


**UST REMOVAL
1137 - 1167 65TH STREET
EMERYVILLE, CALIFORNIA
SCI 855.003**

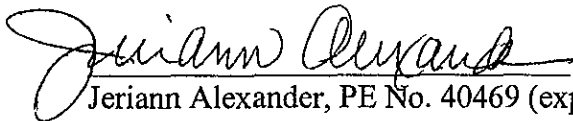
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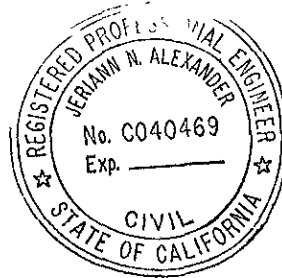
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1.0 INTRODUCTION

This report documents the closure of six underground storage tanks (USTs) observed by Subsurface Consultants, Inc. (SCI) at 1137-1167 65th Street property, in Oakland, California, referred to herein as the Site. The Site and former USTs are shown on Plates 1 and 2, respectively. SCI was retained by John Nady (Nady) to provide environmental consulting services during UST closure activities including:

- Assisting the contractor in the preparation of UST closure in place/removal plans in accordance with applicable regulatory agency guidelines.
- Collecting soil and groundwater samples and submitting samples to an accredited laboratory.
- Reviewing and evaluating the analytical data in relation to published regulatory criteria, and
- Preparing this summary report.

2.0 BACKGROUND

The Site consists of a group of buildings occupying 1137, 1147 and 1167 65th Street in Oakland, California. The buildings, mostly composed of concrete blocks and metal, are separated by narrow walkways. Building spaces are currently leased out to individual tenants.

Prior to 1979, various dry cleaning businesses occupied part or all of the building units at the Site. Building department and fire department records, business directories and title information suggest that from about 1935 to 1978 various dry cleaning businesses operated at the Site.

The UST installation permits were not found in any of the fire or building department files SCI reviewed. SCI reviewed previous draft reports prepared by Artesian Environmental (Artesian) in 1998. Artesian, a consultant retained by Nady to assist in determining the quantity, orientation, size and content of suspected USTs, identified the following:

- Two (or possibly three) USTs in the area below Tenant Unit R (Interior Tank Area)
- Four USTs in the exterior area which they thought might extend under Peabody Lane.
- Product within the exterior USTs contained total petroleum hydrocarbons within the stoddard solvent range, and various halogenated volatile organic compounds¹, and
- Product within the interior USTs contained total petroleum hydrocarbons within the stoddard solvent range, Tetrachloroethene, 111-Trichloroethane, and 112-Trichloroethane.

¹ The draft documents we reviewed did not indicate the types of halogenated organic compounds present in the samples analyzed.

3.0 GEOPHYSICAL SURVEY

On September 5, 2001, SCI retained Norcal Geophysical Consultants (Norcal) to screen the two UST areas, and the area of Peabody Lane adjacent to the rear of the property to determine the lateral extent of the USTs. Norcal used ground penetrating radar (GPR) and line locating equipment to screen these areas for metallic improvements. Although their survey was hampered to some extent by the presence of metallic doors and awnings, their study identified the following:

- No significant laterally extensive metallic images exist in the area of Peabody Lane adjacent to the exterior tank area. This inferred that the exterior tanks would not extend below the street.
- Product conveyance pipelines extend northward from the exterior tank area approximately 20 to 25 feet at which point some of them make a 90-degree bend to the east. The eastbound lines were traced to the area of the interior tanks. Norcal was unable to trace the pipelines to the north, ~~as they appear to extend below the street.~~

A copy of the Norcal report is included in Appendix A.

4.0 PRODUCT CHARACTERIZATION

Controlled Environmental Services (CES) was retained by Nady to conduct product removal activities. Prior to removing the product, the UST contents needed to be properly profiled for disposal approval purposes. On September 13, 2001 and October 23, 2001 product samples were obtained from the ports of the tanks. Samples were obtained by SCI for characterization purposes and by CES for disposal profiling purposes. Each sample was obtained using a Caliwasa tube in order to obtain a vertical sample of tank contents since vertical differentiation had most likely taken place. SCI's product samples were decanted into pre-cleaned bottles supplied by the laboratory, and transported under chain-of-custody documents to Curtis and Tompkins, Ltd. (C&T) a State of California certified laboratory in Berkeley, California. Based on information provided through the previous Artesian studies, the characterization samples were tested for:

- Total petroleum hydrocarbons (TPH) as gasoline and naphtha by EPA Method 8015m/8020,
- TPH as diesel and motor oil by EPA Method 8015m using silica gel cleanup, and
- Volatile Organic Compounds (VOCs) by EPA Method 8260.

A summary of analytical results of the product samples is shown on Tables 1 and 2. In general, all the samples contained quantities of various TPH ranges, as well as a number of VOCs. The sample from Port 1 (Tank 1) had the highest concentrations of all the tanks, generally 10 to 100 times greater than detected concentrations in other tanks. The sample from Port 1 also had the greatest number of different chemicals detected. Analytical data and chain-of-custody documents for the characterization samples are presented in Appendix B.

5.0 PRODUCT REMOVAL

The Oakland Fire Department (OFD) required that a Tank Removal application be filed prior to conducting product removal efforts. CES prepared UST removal permits (Appendix C) and obtained approval to conduct removal activities from the OFD. Per OFD requirements, Underground Service Alert (USA) was also notified of the proposed work.

CES coordinated with Asbury Environmental Services (AES) to remove and dispose of the product. Product characterization samples and the results of analytical tests conducted by SCI were submitted and reviewed by Asbury, and their associated disposal/recycling facilities. The product and waste water which would be generated to flush out the UST was approved for disposal at the Demenon/Kerdoon (DK Environmental) facility in Compton, California, a licensed waste disposal facility permitted to accept such waste. On November 16 and 19 the product was removed from the tanks and transported under Hazardous Waste Manifests by AES, to the DK facility. Approximately 15,300 gallons of product and wastewater was removed from the 6 existing USTs.

Once the product was removed from the UST, the UST were rinsed and the rinsate water was also removed and transported to DK under appropriate manifests. Copies of the manifests and disposal certificates are presented in Appendix D. Approval documents from DK are also included in this appendix.

6.0 UST CLOSURE ACTIVITIES

6.1 Exterior Tank Area

6.1.1 Tank Closure Activities

On February 20, 2002, CES initiated UST activities at the site by breaking up and removing the existing at-grade concrete in the UST area, and excavating soil above and around the UST. Piping was removed from above the tanks and cut off and capped at the north wall of the excavation. Two separate pipe runs were located extending to/from the exterior UST area, as shown on Plate 3. Pipe sections and the excavated soil were placed on plastic sheeting laid on top of the concrete pavement in the onsite parking lot.

Groundwater, which had infiltrated the tanks and filled the excavation, was pumped into waiting transportation vehicles and transported to DK under appropriate manifests (Appendix D). CES then inerted the UST by inserting approximately 30 pounds of dry ice into each tank. CES removed the exterior tanks, under observation of the Oakland Fire Department (OFD). Lower explosive limits (LEL) measurements taken and verified to be zero, prior to lifting the UST from the excavation and placing them onto waiting transportation trucks.

Tanks 1, 2, 3, and 4's dimensions were 8 feet in diameter and 11 feet in length. The bottom 3 feet of the tanks were cone shaped. The tops of the UST were situated about 2 feet below the previously existing ground surface.

After the tanks were removed, SCI checked the exterior of each tank for visible signs of corrosion and/or holes. Our observations are presented below:

- Tank 1 – no visible holes observed
- Tank 2 – one hole (3/8" diameter) was observed in the UST on its side close to the start of the cone.
- Tank 3 – numerous holes observed, the largest one was approximately 1/2" in diameter, deep pitting was also observed in the lower half of the UST.
- Tank 4 – numerous holes observed. The largest hole was approximately 4" in length and located right above the cone shaped part of the UST. Deep pitting was also observed in the lower half of the UST.

The UST were transported to Ecology Control Industries in Richmond, California, for disposal. The OFD requested that UST Unauthorized Release reports be submitted. Copies of the OFD Inspection Report, UST Unauthorized Release reports and the certificates of tank disposal are included in Appendix E. Wastewater removal manifests and disposal documentation is included in Appendix D.

The final excavation measured approximately 45 feet by 18 feet in plan area. The depth of the excavation was approximately 12 feet below ground surface (bgs). Groundwater was encountered at approximately 6 feet bgs.

6.1.2 Soil and Groundwater Sampling

On February 25 and 26, 2002, under the direction of OFD, SCI collected the following samples from the excavation:

- Four soil samples, one each from the native soil below the bottom of each tank (Tank 1 Bottom, Tank 2 Bottom, Tank 3 Bottom and Tank 4 Bottom), each at approximately 12 feet bgs.
- One soil sample from the east wall of the excavation at 6 feet bgs (E End @ 6), and above the groundwater surface.
- One soil sample from the west wall of the excavation at 6 feet bgs (W Wall @ 6)), and above the groundwater surface.
- Two soil samples; one each from beneath the pipe runs on the north wall of the excavation at approximately 2.5 and 3.0 feet bgs, respectively (Pipes #1 @ 2.5 and Pipes #2 @ 3.0).
- One grab groundwater sample. This sample was obtained following the removal of one tank pit volume of water as described in Section 7.2.

The locations of the soil samples are graphically shown on Plate 3. The sidewall soil samples were obtained in clean stainless steel liners, by pushing the liner directly into the sidewall of the excavation. The bottom samples were obtained by pushing a clean stainless steel liner into soil retrieved within the backhoe bucket. Soil and groundwater samples collected by SCI were stored

in a chilled ice-chest and transported under chain-of-custody documents to C&T. Analytical test reports are presented in Appendix B. Wastewater removal manifests and disposal documentation is included in Appendix D.

6.2 Interior Tank Area

6.2.1 Tank Closure Activities

On February 5, 2002, CES began breaking up and removing the existing at-grade concrete around the UST area, and excavating soil above and around the USTs. Since site conditions would not allow that the interior UST be removed in one piece, the OFD approved that these UST could be cut-up in place once they had been thoroughly rinsed and rinsate samples indicated that they were clean. CES spent several days rinsing these tanks in-place. The rinse water was pumped into waiting transportation trucks for direct disposal at DK Environmental.

Numerous pipelines varying from 1.5 inches in diameter to 18 inches in diameter were observed interconnected between Tanks 5 and 6. As they were cleaned, they were cut to gain clear access to the tops of the UST. A pipe run was observed extending perpendicular to the tank and leading into the adjacent room below the floor slab. These pipelines were capped at the north edge of the excavation. The locations and sizes of the pipes are graphically shown on Plate 4.

Once the rinsate samples indicated to the satisfaction of the OFD, that the UST were clean, CES began removing large sections of the manways to inspect the inside of the UST. Tank 5 appeared to have a textured fiberglass coating on the inside of the tank, which was suspected to contain asbestos. Tank 6 was not observed to have the suspect-asbestos lining. SCI petitioned the OFD, on behalf of Nady to allow closure of Tank 5 in place. The OFD granted this closure on the basis that the product was removed, the tank was rinsed clean, and potentially more environmental impacts could result from the cutting up of the lined UST. A copy of SCI request letter is included in Appendix E. Details specific to each tank are presented below.

Tank 5

The top portion of Tank 5 was uncovered and appeared to be in good condition with no holes observed. This tank measured 17 feet long and 5 feet in diameter. Tank 5 was abandoned by pumping neat cement into the tank from the fill port. Pipeline pieces were observed for visible holes; none were observed by SCI. The pipeline pieces were added to the pipeline stockpile located in the parking lot. These pieces were subsequently disposed of at the Richmond, California SimsMetal America Facility.

Tank 6

This tank measured 17 feet long and 5 feet in diameter. CES proceeded to remove this UST in pieces following cold cutting in place. Tank pieces were numbered to assist SCI in noting locations of holes, pitting, rusting and other forms of corrosion. The following observations were noted:

- Two holes (1/4-inch and 3/4-inch in length) were observed on a weld, on the eastern side of the UST.
- One hole observed (1/4-inch) at the bottom of the tank on the western side.

The excavation for Tank 6 measured approximately 23 feet long and 12 feet wide, and about 10 feet bgs. Groundwater was encountered at approximately 9 feet bgs. Soil between Tanks 5 and 6 and on top of Tank 5 was also removed. Concrete, soil and pipes removed during tank removal activities were placed on plastic sheeting in the parking lot and covered.

All pipeline and tank pieces were subsequently disposed of at the Richmond, California Simsmetal America Facility. A copy of the weigh tags and receipt for disposal are presented in Appendix E. A copy of the OFD Inspection Report is also included in Appendix E.

6.2.2 Soil and Groundwater Sampling

On February 13 and March 7, 2002, under the direction of OFD, SCI collected the following samples:

- Two soil samples, one from each end of Tank 5 (Tank 5 E End and Tank 5 W End), each at approximately 6 feet bgs.
- Two soil samples, one from each end of Tank 6 (Tank 6 E End and Tank 6 W End), each at approximately 6 feet bgs.
- Two soil samples, one from each wall of Tank 6 (Tank 6 N Wall @ 2.0 (pipeline run area) and Tank 6 S Wall @ 5.0).
- One grab groundwater sample from the Tank 6 excavation. This sample was obtained following the removal of one tank pit volume of water as described in Section 7.2.

The locations of the soil samples are graphically shown on Plate 4. The sidewall soil samples were obtained in clean stainless steel liners, by pushing the liner directly into the sidewall of the excavation. The bottom samples were obtained by pushing a clean stainless steel liner into soil retrieved within the backhoe bucket. Soil and groundwater samples collected by SCI were stored in a chilled ice-chest and transported under chain-of-custody documents to C&T. Analytical test reports are presented in Appendix B. Wastewater removal manifests and disposal documentation is included in Appendix D.

7.0 ANALYTICAL TESTING PROGRAM AND RESULTS

7.1 Soil Results

As requested by OFD, all the soil samples were analyzed for the chemicals which had been detected in the tank product samples. The testing program included the following:

- Total petroleum hydrocarbons (TPH) as gasoline, Stoddard solvent and naphtha by EPA Method 8015m/8020,
- TPH as diesel by EPA Method 8015m using silica gel cleanup, and

- Volatile Organic Compounds (VOCs) by EPA Method 8260.

Results of chemical analyses on the UST excavation soil samples are presented in Tables 2 and 3. Tables 2 and 3 include current risk-based criteria published by the San Francisco Regional Water Quality Control Board (SFRWQCB²), and the EPA Region 9 Preliminary Remediation Goals³ (PRGs) for comparison purposes. The reported or cited risk driving factors are also presented in the tables.

7.1.1 Exterior Tank Area Results

With the exception of the soil samples obtained from beneath the pipe runs (Pipe #1 and Pipe #2), all samples detected elevated concentrations of TPH as gasoline, naphtha, stoddard solvent and diesel ranged materials. The highest concentrations were detected from the bottom samples taken from the below the center of each tank that was removed. In these samples, gasoline range TPH concentrations varied from 110 mg/kg to 2,900 mg/kg, naphtha range TPH concentrations varied from 58 mg/kg to 1,500 mg/kg, diesel range TPH concentrations varied from 12 mg/kg to 390 mg/kg and stoddard solvent range TPH concentrations varied from 74 mg/kg to 1,800 mg/kg.

Analyses of the soil samples detected a number of VOCs including isopropylbenzene, propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, para-isopropyl toluene, n-butylbenzene and naphtha. It is suspected that these VOCs are chemical constituents within the hydrocarbon-based product mixtures previously contained in the UST.

7.1.2 Interior Tank Area Results

With the exception of the soil sample obtained from the north wall of Tank 6 (Tank 6 N Wall @ 2.0), all samples detected elevated concentrations of TPH as gasoline, naphtha, stoddard solvent and diesel range materials. The highest concentrations were detected from the bottom samples taken from each end of both tanks. In these samples gasoline range TPH concentrations varied from 470 mg/kg to 26,000 mg/kg, naphtha range TPH concentrations varied from 240 mg/kg to 12,000 mg/kg, diesel range TPH concentrations varied from 670 mg/kg to 1,800 mg/kg and stoddard solvent range TPH concentrations varied from 300 mg/kg to 17,000 mg/kg.

Analyses of the soil samples also detected a number of VOCs including benzene, toluene, ethylbenzene, xylenes (BTEX), isopropylbenzene, propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, para-isopropyl toluene, and n-butylbenzene. It is suspected that these VOCs are chemical constituents within the hydrocarbon-based product mixtures previously contained in the UST.

No VOCs (including BTEX) were detected in the two soil samples taken from the sidewalls of the excavation (Tank 6 N. @ 2.0 and Tank 6 S. Wall @ 5.0).

² *Application of Risk Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater*, RWQCB, December 2001

³ Environmental Protection Agency (EPA), *Preliminary Remediation Goals*, 2000.

7.2 Groundwater Results

The depth to groundwater in the exterior and interior excavations recharged to approximately 7 feet and 8 feet bgs, respectively. A sheen was observed on the recharged groundwater in the exterior excavation. A strong odor was detected in groundwater in both excavations. One grab groundwater sample was taken each from the exterior excavation and from the Tank 6 excavation. Groundwater was allowed to recharge, prior to taking the groundwater sample. The groundwater samples were decanted into pre-cleaned bottles supplied by the laboratory. Samples were stored in a chilled ice-chest and transported under chain-of-custody documents to C&T. Based on the results of the product characterization, the samples were tested for:

- Total petroleum hydrocarbons (TPH) as gasoline, naphtha and stoddard solvent by EPA Method 8015m/8020,
- TPH as diesel and motor oil by EPA Method 8015m using silica gel cleanup, and
- Volatile Organic Compounds (VOCs) by EPA Method 8260.

A summary of analytical results of the grab groundwater samples are shown on Table 4. Table 4 includes current risk-based criteria published by the San Francisco Regional Water Quality Control Board (SFRWQCB), and the EPA Region 9 Preliminary Remediation Goals (PRGs) for comparison purposes. The reported or cited risk driving factors are also presented in the table.

7.2.1 Exterior Tank Area Results

Analyses of one grab groundwater sample obtained from the exterior excavation detected a mixture of petroleum hydrocarbons including 66,000 micrograms per liter (ug/L) of gasoline range TPH, 34,000 ug/L of naphtha range TPH, 82,000 ug/L of diesel range TPH and 42,000 ug/L of stoddard solvent range TPH.

VOCs detected were similar to those detected in the soil samples taken from the same area, with the exception that Tetrachloroethene (PCE, 83 ug/L) and 1,2-dichloroethene (1,2-DCE, 9.6 ug/L) were detected at concentrations above their respected Maximum Contaminant Levels (MCL) (PCE, 5 ug/L and 1,2-DCE, 6 ug/L). PCE was one of the constituents within the USTs and 1,2-DCE is a degradation product of PCE.

7.2.2 Interior Groundwater Results

Analyses of one grab groundwater samples obtained from the interior excavation detected a mixture of petroleum hydrocarbons including 21,000 ug/L of gasoline range TPH, 11,000 ug/L of naphtha range TPH, 94,000 ug/L of diesel range TPH and 13,000 ug/L of stoddard solvent range TPH.

VOCs detected were similar to those detected in the soil samples taken from the same area, with the exception that benzene and xylenes were also detected. Benzene was detected at a concentration of 47 ug/L, which is greater than benzenes' MCL (1 ug/L). Acetone was also detected in the grab groundwater sample at a concentration of 23 ug/L. Acetone was not previously detected in soil samples taken from the interior excavation, however it was detected in the product from both interior tanks.

8.0 EXCAVATION BACKFILL PLACEMENT

All excavations were backfilled by first placing drain rock in the excavations to approximately 1 foot above the standing groundwater level. For the exterior tank area 7 feet of drain rock was placed; for the interior tanks area 2 feet of drain rock was placed. The drain rock was tamped into place. Base rock was placed upon the drain rock to within approximately 2 feet of the ground surface. Clean imported soil was then placed into the excavation and compacted. A reinforced concrete slab was constructed over the soil to return the area to its original grade.

9.0 STOCKPILE SAMPLING AND SOIL CHARACTERIZATION

Soil removed from both excavations were segregated, placed on and covered by plastic sheeting, and stored in the parking area. At the completion of this phase of field activities approximately 70 cubic yards (cy) of soil from the exterior excavation and 40 cy of soil from the interior excavation were stockpiled in the parking area, with approximately 5 cy of soil and concrete from previous work. In order to profile the soil for disposal SCI sampled the stockpiles by obtaining four samples from both the interior and exterior excavation stockpiles. SCI requested that C&T create two four-part composites for analytical testing (Interior SP and Exterior SP). The two composite samples were tested for the following:

- Total petroleum hydrocarbons (TPH) as gasoline, stoddard solvent and naphtha by EPA Method 8015m/8020,
- TPH as diesel by EPA Method 8015m using silica gel cleanup, and
- Cadmium, chromium, nickel, lead and zinc, by EPA Method 6010.

Based on the results of the analytical testing and landfill disposal requirements the composite sample Exterior SP was also tested for:

- Soluble Concentration of lead using the California Waste Extraction Test (WET) and USEPA Method 6010, and
- Toxicity Characteristic Leaching Procedure for lead, using USEPA Method 13111.

Analytical data is summarized in Table 5. Analytical test reports are presented in Appendix B.

CES submitted the stockpiled soils' analytical test results to Chemical Waste Management and Republic Services Landfill facilities for their review. Due to the presence of elevated concentrations of soluble lead, the stockpiled soil from the exterior UST area (4-18 cubic yard truck loads) was transported to and disposed of as Non-RCRA Hazardous Waste at the Chemical Waste Management Kettleman City Facility. Stockpiled soil from the interior UST area (2-18 cubic yard truck loads) did not contain elevated concentrations of lead, and was approved for local disposal as Non-hazardous waste. The interior stockpiled soil was transported to and disposed of at the Republic Services Vasco Road Landfill facility. Manifests are presented in Appendix D.

Table 1: Summary of Results of
Product Samples from Tanks
1137-1167 65th Street
Oakland, California
SCI 855.003

Ports					
Exterior Tanks				Interior Tanks	
1	2	3	4	5	6
9/13/01	9/13/01	9/13/01	10/23/01	10/23/01	10/23/01

Petroleum Hydrocarbons							
	<i>mg</i>						
Gasoline Range	mg/L	130,000,000	7,700	8,000	3,800,000	5,100	81,000,000
Naphtha Range	mg/L	59,000,000	3,600	3,700	2,100,000	2,500	44,000,000
Diesel Range*	mg/L	280,000,000	<390,000	<400,000	2,300,000	19,000	91,000
Volatile Organic Compounds**							
Benzene	ug/L	2,400	18	<13	<1.7	<2.5	<3.1
Toulene	ug/L	24,000	25	17	23	14	3.7
Ethylbenzene	ug/L	74,000	39	28	62	23	4.5
Xylenes	ug/L	730,000	600	540	840	250	161
Tetrachloroethene	ug/L	42,000	<13	<13	5.3	3.3	<3.1
cis-1,2-Dichloroethene	ug/L	170	<13	<13	2.4	<2.5	15
Trichloroethene	ug/L	550	<13	<13	3.0	<2.5	<3.1
Isopropylbenzene (Cumene)	ug/L	170,000	<130	<130	53	<25	<31
Propylbenzene (n)	ug/L	210,000	<130	<130	82	40	<31
1,3,5-Trimethylbenzene	ug/L	470,000	360	380	400	150	130
1,2,4-Trimethylbenzene	ug/L	470,000	790	670	1,800	400	270
sec-Butylbenzene	ug/L	140,000	<130	<130	<17	<25	<31
para-Isopropyl Toluene	ug/L	140,000	<130	<130	23	<25	<31
n-buytlbenzene	ug/L	130,000	<130	<130	18	<25	<31
Naphthalene	ug/L	10,000	<130	<130	<17	<25	<31
Styrene	ug/L	<1,300	<130	<130	<17	300	<31
Methylene Chloride	ug/L	<5,000	<500	720	<67	<100	<130
Acetone	ug/L	<5,000	<500	<500	130	810	520
2-Butanone (MEK)	ug/L	<2,500	<250	<250	<33	270	180
4-methyl-2-pentanone(MIBK)	ug/L	<2,500	<250	<250	<33	<50	64

Notes:

Port locations are shown on Plate 3.

* Using Silica gel cleanup

** Only VOCs detected are listed

mg/L Milligrams per liter

ug/L Micrograms per liter

<13 less than listed analytical reporting limit.

MCG
70ppb (gw)
p-cymene

Table 2: Summary of Results of Soil Samples
 Exterior Tank Area
 1137-1167 65th Street
 Oakland, California
 SCI 855.003

	Sample ID								RBSL Table B-1 (Residential Use)		RBSL Table B-2 (Commercial / Industrial Use)		
	Tank 1 Bottom	Tank 2 Bottom	Tank 3 Bottom	Tank 4 Bottom	E End @ 6'	W End @ 6'	Pipe #1	Pipe #2	RBSL	Risk Driver	RBSL	Risk Driver	
	2/25/02	2/25/02	2/25/02	2/25/02	2/26/02	2/26/02	2/26/02	2/26/02					
Petroleum Hydrocarbons*													
Gasoline Range	mg/kg	110	440	1,500	1,600	2,200	2,900	<0.99	<0.95	400	Soil Leaching	400	Soil Leaching
Naphtha Range	mg/kg	58	230	750	830	1,100	1,500	<0.99	<0.95	400	Soil Leaching	400	Soil Leaching
Diesel Range	mg/kg	69	34	220	12	220	390	68	6.8	500	Soil Leaching	500	Soil Leaching
Stoddard Solvent	mg/kg	74	280	940	1,000	1,400	1,800	<0.99	<0.95	400	Soil Leaching	400	Soil Leaching
Volatile Organic Compounds**													
Benzene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	180	Direct Exposure	390	Direct Exposure
Toulene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	8,400	Soil Leaching	8,400	Soil Leaching
Ethylbenzene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	24,000	Soil Leaching	24,000	Soil Leaching
Xylenes	ug/kg	<130	<250	<250	<250	950	<250	<5.0	<4.9	1,000	Soil Leaching	1,000	Soil Leaching
Tetrachloroethene	ug/kg	<130	<250	310	<250	<250	<250	<5.0	<4.9	150	Indoor Air Impacts	530	Indoor Air Impacts
cis-1,2-Dichloroethene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	2,700	Indoor Air Impacts	7,700	Indoor Air Impacts
Trichloroethene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	440	Indoor Air Impacts	1,500	Indoor Air Impacts
Isopropylbenzene (Cumene)	ug/kg	<130	<250	<250	740	1,300	520	<5.0	<4.9	160,000	Soil Leaching	520,000	Indoor Air Impacts
Propylbenzene (n)	ug/kg	<130	<250	570	1,700	3,200	1,300	<5.0	<4.9	(130,000)	PRG Value	(550,000)	PRG Value
1,3,5-Trimethylbenzene	ug/kg	<130	300	680	<250	<250	1,100	<5.0	<4.9	(21,000)	PRG Value	(70,000)	PRG Value
1,2,4-Trimethylbenzene	ug/kg	230	680	1,600	840	<250	<250	<5.0	<4.9	(51,000)	PRG Value	(170,000)	PRG Value
sec-Butylbenzene	ug/kg	<130	290	960	2,100	1,700	1,700	<5.0	<4.9	(100,000)	PRG Value	(410,000)	PRG Value
para-Isopropyl Toluene	ug/kg	<130	370	930	940	920	890	<5.0	<4.9	NE	--	NE	--
n-butylbenzene	ug/kg	<130	550	1,500	1,900	2,400	1,700	<5.0	<4.9	(130,000)	PRG Value	(550,000)	PRG Value
Naphthalene	ug/kg	<130	<250	<250	660	<250	<250	<5.0	<4.9	1,700	Indoor Air	4,900	Soil Leaching
Styrene	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	17,000	Indoor Air	17,000	Soil Leaching
Methylene Chloride	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	890	Soil Leaching	3,100	Indoor Air
Acetone	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	510	Soil Leaching	510	Soil Leaching
2-Butanone (MEK)	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	13,000	Soil Leaching	13,000	Soil Leaching
4-methyl-2-pentanone(MIBK)	ug/kg	<130	<250	<250	<250	<250	<250	<5.0	<4.9	3.8	Soil Leaching	3.8	Soil Leaching

Notes:

- Sample Locations are shown on Plate 3.
- * Using Silica gel cleanup
- ** Only VOCs detected are listed
- mg/Kg Milligrams per kilogram
- ug/kg Micrograms per kilogram
- <130 Less than listed analytical reporting limit.

NE No RBSL or PRG established

RBSL Table B-1 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for residential reuse for established by the SFBRWQCB, Interim Final December 2001.

RBSL Table B-2 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for commercial/industrial reuse for established by the SFBRWQCB, Interim Final December 2001.

(660) No RBSL published for component. The value presented is from EPA's Preliminary Remediation Goals (PRG), 2000.

Table 3: Summary of Results of Soil Samples
Interior Tank Area
 1137-1167 65th Street
 Oakland, California
 SCI 855.003

Sample ID								RBSL Table B-1 (Residential Use)		RBSL Table B-2 (Commercial / Industrial Use)	
Tank 5 E. End	Tank 5 W. End	Tank 6 N. Wall @ 2.0	Tank 6 S. Wall @ 5.0	Tank 6 E. End	Tank 6 W. End	RBSL	Risk Driver	RBSL	Risk Driver		
2/13/02	2/13/02	3/7/02	3/7/02	2/13/02	2/13/02						
Petroleum Hydrocarbons											
Gasoline Range	mg/kg	17,000	13,000	<0.98	310	470	26,000	400	Soil Leaching	400	Soil Leaching
Naphtha Range	mg/kg	8,400	6,200	<0.98	140	240	12,000	400	Soil Leaching	400	Soil Leaching
Diesel Range*	mg/kg	1,000	1,800	53	260	670	1,500	500	Soil Leaching	500	Soil Leaching
Stoddard Solvent	mg/kg	11,000	8,400	<0.98	270	300	17,000	400	Soil Leaching	400	Soil Leaching
Volatile Organic Compounds**											
Benzene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	180	Direct Exposure	390	Direct Exposure
Toulene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	8,400	Soil Leaching	8,400	Soil Leaching
Ethylbenzene	ug/kg	8,600	5,900	<4.7	<4.8	<420	<3,100	24,000	Soil Leaching	24,000	Soil Leaching
Xylenes	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	1,000	Soil Leaching	1,000	Soil Leaching
Tetrachloroethene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	150	Indoor Air Impacts	530	Indoor Air Impacts
cis-1,2-Dichloroethene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	2,700	Indoor Air Impacts	7,700	Indoor Air Impacts
Trichloroethene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	440	Indoor Air Impacts	1,500	Indoor Air Impacts
Isopropylbenzene (Cumene)	ug/kg	5,600	4,100	<4.7	<4.8	<420	8,500	160,000	Soil Leaching	520,000	Indoor Air Impacts
Propylbenzene (n)	ug/kg	16,000	11,000	<4.7	<4.8	<420	24,000	(130,000)	PRG Value	(550,000)	PRG Value
1,3,5-Trimethylbenzene	ug/kg	25,000	17,000	<4.7	<4.8	1,600	46,000	(21,000)	PRG Value	(70,000)	PRG Value
1,2,4-Trimethylbenzene	ug/kg	63,000	47,000	<4.7	<4.8	2,100	100,000	(51,000)	PRG Value	(170,000)	PRG Value
sec-Butylbenzene	ug/kg	13,000	9,600	<4.7	<4.8	<420	30,000	(100,000)	PRG Value	(410,000)	PRG Value
para-Isopropyl Toluene	ug/kg	9,900	8,500	<4.7	<4.8	510	27,000	NE	--	NE	--
n-butylbenzene	ug/kg	14,000	1,000	<4.7	<4.8	<420	<3,100	(130,000)	PRG Value	(550,000)	PRG Value
Naphthalene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	1,700	Indoor Air	4,900	Soil Leaching
Styrene	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	17,000	Indoor Air	17,000	Soil Leaching
Methylene Chloride	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	890	Soil Leaching	3,100	Indoor Air
Acetone	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	510	Soil Leaching	510	Soil Leaching
2-Butanone (MEK)	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	13,000	Soil Leaching	13,000	Soil Leaching
4-methyl-2-pentanone(MIBK)	ug/kg	<2,000	<1,700	<4.7	<4.8	<420	<3,100	3.8	Soil Leaching	3.8	Soil Leaching

Notes:

- Sample locations are shown on Plate 2.
- * Using Silica gel cleanup
- ** Only VOCs detected are listed
- mg/Kg Milligrams per kilogram
- ug/kg Micrograms per kilogram
- <13 less than listed analytical reporting limit.
- NE No RBSL or PRG established

RBSL Table B-1 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for residential reuse for established by the SFBRWQCB, Interim Final December 2001.

RBSL Table B-2 - Risk Based Screening Level Components for Surface Soil (Potentially Impacted Groundwater is not a Current or Potential Source of Drinking Water) for commercial/industrial reuse for established by the SFBRWQCB, Interim Final December 2001.

(660) No RBSL published for component. The value presented is from EPA's Preliminary Remediation Goals (PRG), 2000.

Table 4: Summary of Results of Grab Groundwater Samples
 1137-1167 65th Street
 Oakland, California
 SCI 855.003

		Sample ID		RBSL Table F-1		RBSL Table F-2	
		Interior***	Exterior	RBSL	Risk Driver	RBSL	Risk Driver
		2/20/02	2/25/02				
Petroleum Hydrocarbons							
Gasoline Range	ug/L	21,000	66,000	40,000	Ceiling Value	500,000	Aquatic Life Protection
Naphtha Range	ug/L	11,000	34,000	40,000	Ceiling Value	500,000	Aquatic Life Protection
Diesel Range*	ug/L	94,000	82,000	10,000	Human Toxicity	640,000	Indoor Air Impacts
Stoddard Solvent	ug/L	13,000	42,000	10,000	Human Toxicity	640,000	Indoor Air Impacts
Volatile Organic Compounds**							
Benzene	ug/L	47	<7.1	1.0	Human Toxicity	46	Aquatic Life
Toulene	ug/L	<5.0	<7.1	40	Ceiling Value	130	Aquatic Life
Ethylbenzene	ug/L	9.4	<7.1	30	Ceiling Value	290	Aquatic Life
Xylenes	ug/L	114	24	13	Aquatic Life	13	Aquatic Life
Tetrachloroethene	ug/L	<5.0	83	5.0	Human Toxicity	120	Aquatic Life
cis-1,2-Dichloroethene	ug/L	<5.0	9.6	6.0	Human Toxicity	590	Aquatic Life
Trichloroethene	ug/L	<5.0	<7.1	5.0	Human Toxicity	360	Aquatic Life
Isopropylbenzene (Cumene)	ug/L	44	10	(660)	PRG Value - Tap Water	NE	Not Established
Propylbenzene (n)	ug/L	91	29	(61)	PRG Value - Tap Water	NE	Not Established
1,3,5-Trimethylbenzene	ug/L	180	62	(12)	PRG Value - Tap Water	NE	Not Established
1,2,4-Trimethylbenzene	ug/L	330	150	(12)	PRG Value - Tap Water	NE	Not Established
sec-Butylbenzene	ug/L	44	26	(61)	PRG Value - Tap Water	NE	Not Established
para-Isopropyl Toluene	ug/L	40	36	NE	Not Established	NE	Not Established
n-buytlbenzene	ug/L	40	41	(61)	PRG Value - Tap Water	NE	Not Established
Naphthalene	ug/L	<5.0	<7.1	21	Ceiling Value	24	Aquatic Life
Styrene	ug/L	<5.0	<7.1	(1,600)	PRG Value - Tap Water	NE	Not Established
Methylene Chloride	ug/L	<5.0	<7.1	(4)	PRG Value - Tap Water	NE	Not Established
Acetone	ug/L	23	<7.1	700	Human Toxicity	1,500	Aquatic Life
2-Butanone (MEK)	ug/L	<5.0	<7.1	4,200	Human Toxicity	14,000	Aquatic Life
4-methyl-2-pentanone(MIBK)	ug/L	<5.0	<7.1	120	Human Toxicity	170	Aquatic Life

Notes:

- * Using Silica gel cleanup
- ** Only VOCs detected are listed
- mg/L Milligrams per liter
- ug/L Micrograms per liter
- <5.0 less than listed analytical reporting limit.
- NE No RBSL or PRG established

RBSL Table F-1 - Components for Groundwater Screening Levels (Groundwater is a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001.

RBSL Table F-2 - Components for Groundwater Screening Levels (Groundwater is not a Current or Potential Drinking Water Resource) established by the SFBRWQCB, Interim Final December 2001.

(660) No RBSL published for component. The value presented is from EPA's Preliminary Remediation Goals (PRG), 2000.

TABLES

Table 5: Summary of Results of
Stockpile Composite Soil Samples
1137-1167 65th Street
Oakland, California
SCI 855.003

	Sample ID		
	Interior SP	Exterior SP	
	2/25/02	2/25/02	
Petroleum Hydrocarbons			
Gasoline Range	mg/kg	<0.99	24
Naphtha Range	mg/kg	<0.99	12
Diesel Range*	mg/kg	45	34
Stoddard Solvent	mg/kg	<0.99	16
Volatile Organic Compounds**			
Benzene	ug/kg	<4.8	<4.8
Toulene	ug/kg	<4.8	<4.8
Ethylbenzene	ug/kg	<4.8	<4.8
Xylenes	ug/kg	<4.8	<4.8
Acetone	ug/kg	<4.8	<4.8
Tetrachloroethene	ug/kg	<4.8	<4.8
cis-1,2-Dichloroethene	ug/kg	<4.8	<4.8
Trichloroethene	ug/kg	<4.8	<4.8
Isopropylbenzene (Cumene)	ug/kg	<4.8	<4.8
Propylbenzene (n)	ug/kg	<4.8	<4.8
1,3,5-Trimethylbenzene	ug/kg	<4.8	<4.8
1,2,4-Trimethylbenzene	ug/kg	<4.8	<4.8
sec-Butylbenzene	ug/kg	<4.8	<4.8
para-Isopropyl Toluene	ug/kg	<4.8	<4.8
n-buytlbenzene	ug/kg	<4.8	<4.8
Naphthalene	ug/kg	<4.8	<4.8
Styrene	ug/kg	<4.8	<4.8
Methylene Chloride	ug/kg	<4.8	<4.8
Acetone	ug/kg	<4.8	<4.8
2-Butanone (MEK)	ug/kg	<4.8	<4.8
4-methyl-2-pentanone(MIBK)	ug/kg	<4.8	<4.8
Metals			
Cadmium	mg/kg	2.8	1.7
Chromium	mg/kg	21	12
Lead	mg/kg	8.9	200
Lead (STLC)	ug/L	--	
Lead (TCLP)	ug/L	--	
Nickel	mg/kg	29	63
Zinc	mg/kg	66	600

Notes:

* Using Silica gel cleanup

** Only VOCs detected are listed

mg/Kg Milligrams per kilogram

ug/kg Micrograms per kilogram

ug/L Micrograms per liter

-- Not Analyzed

<4.8 less than listed analytical reporting limit.

STLC Soluble Toxicity Leaching Characteristic

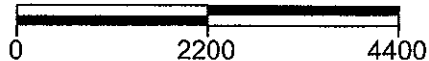
TCLP Toxicity Characteristic Leaching Procedure

PLATES

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APPROXIMATE SCALE IN FEET



NOTE:

THIS VICINITY MAP IS BASED ON A THOMAS BROTHERS MAP FOR SAN FRANCISCO, ALAMEDA AND CONTRA COSTA COUNTIES, CALIFORNIA, MAP 629, YEAR 2000

VICINITY MAP

1137-1167 65TH STREET
OAKLAND, CALIFORNIA

DRAWN BY:
CFY

DATE
11/12/01

PLATE

1

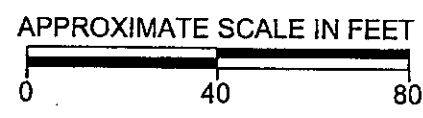
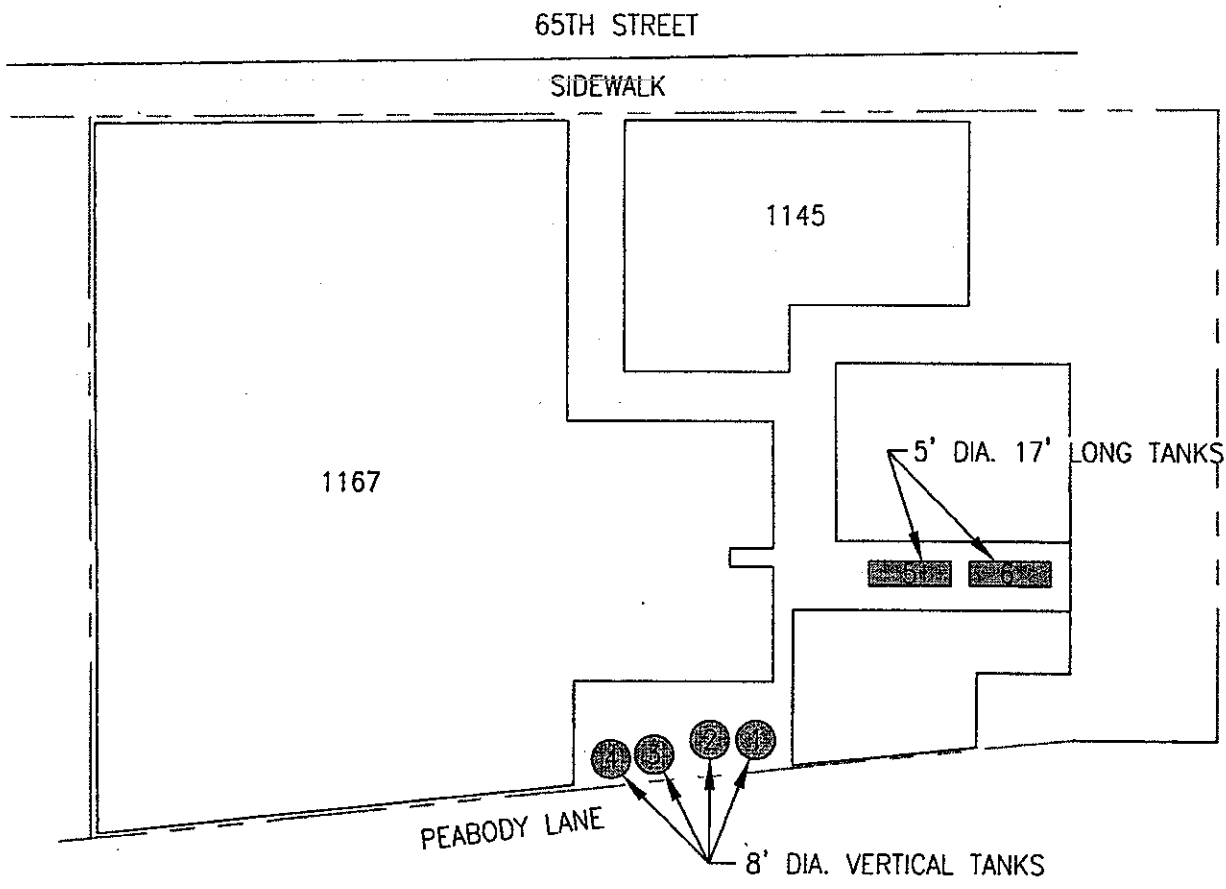
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FILE NUMBER:
A885.003.02



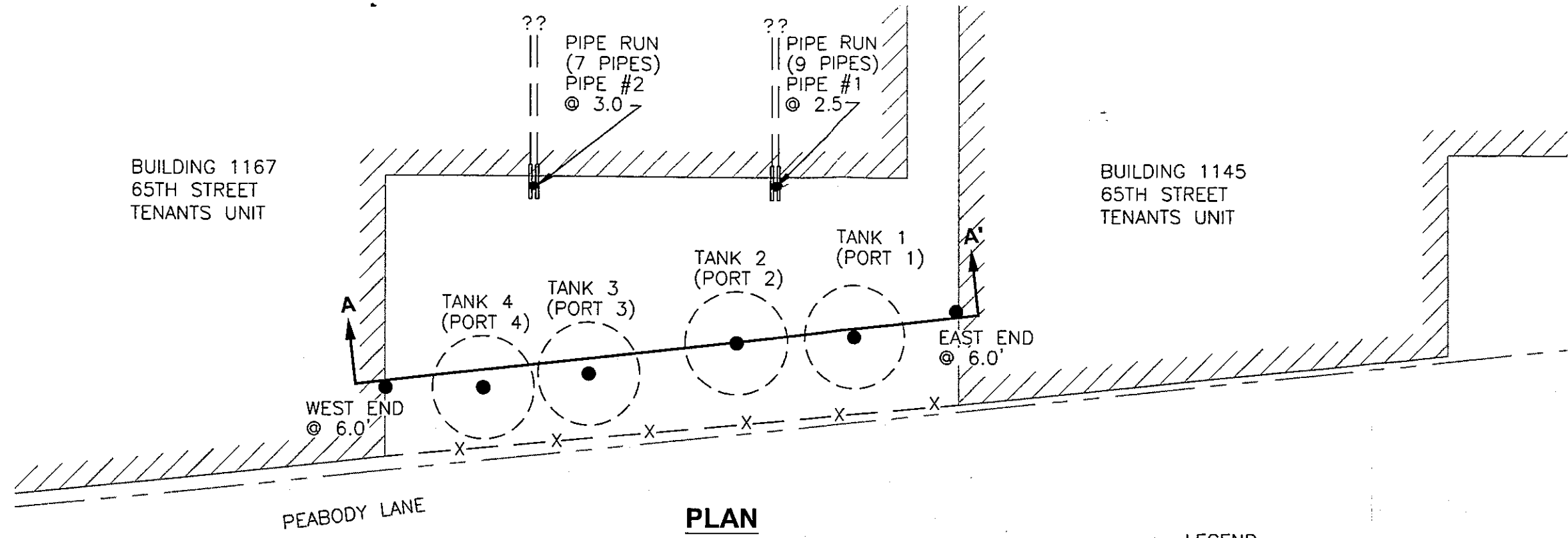
Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

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SITE PLAN		
1137-1167 65TH STREET OAKLAND, CALIFORNIA		
DRAWN BY: CFY	DATE 3/28/02	PLATE 2
JOB NUMBER 855.003	FILE NUMBER: A855.003.01	

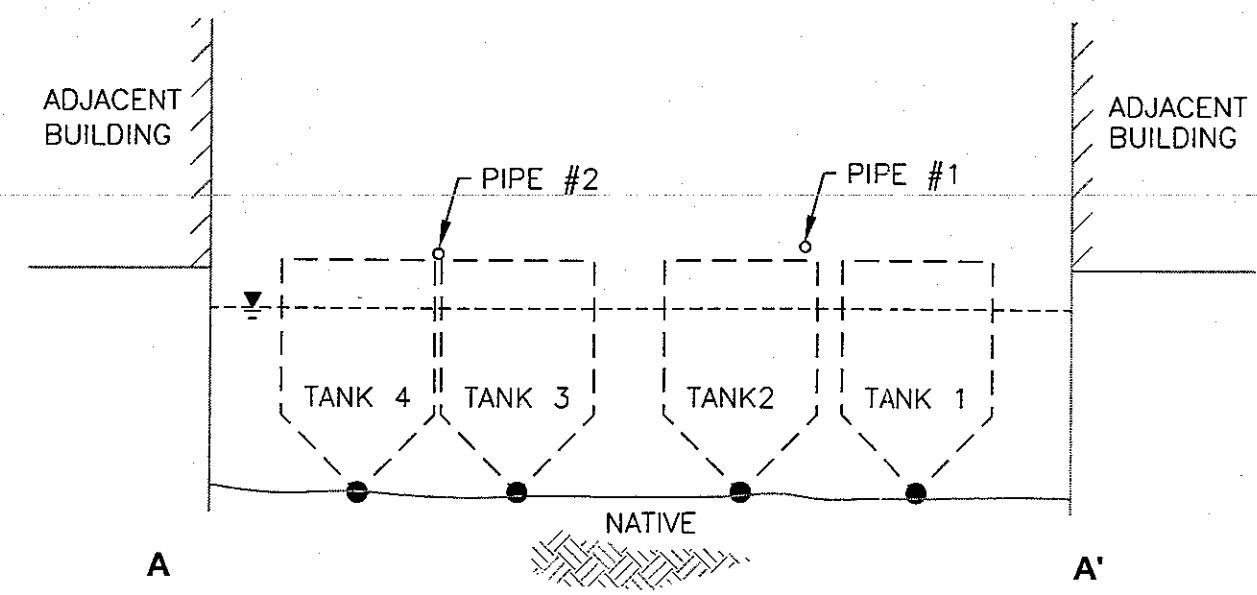
Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers



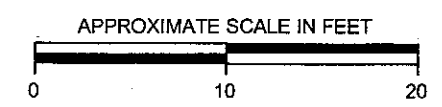
PLAN

LEGEND:

- APPROXIMATE LOCATION OF SOIL SAMPLE

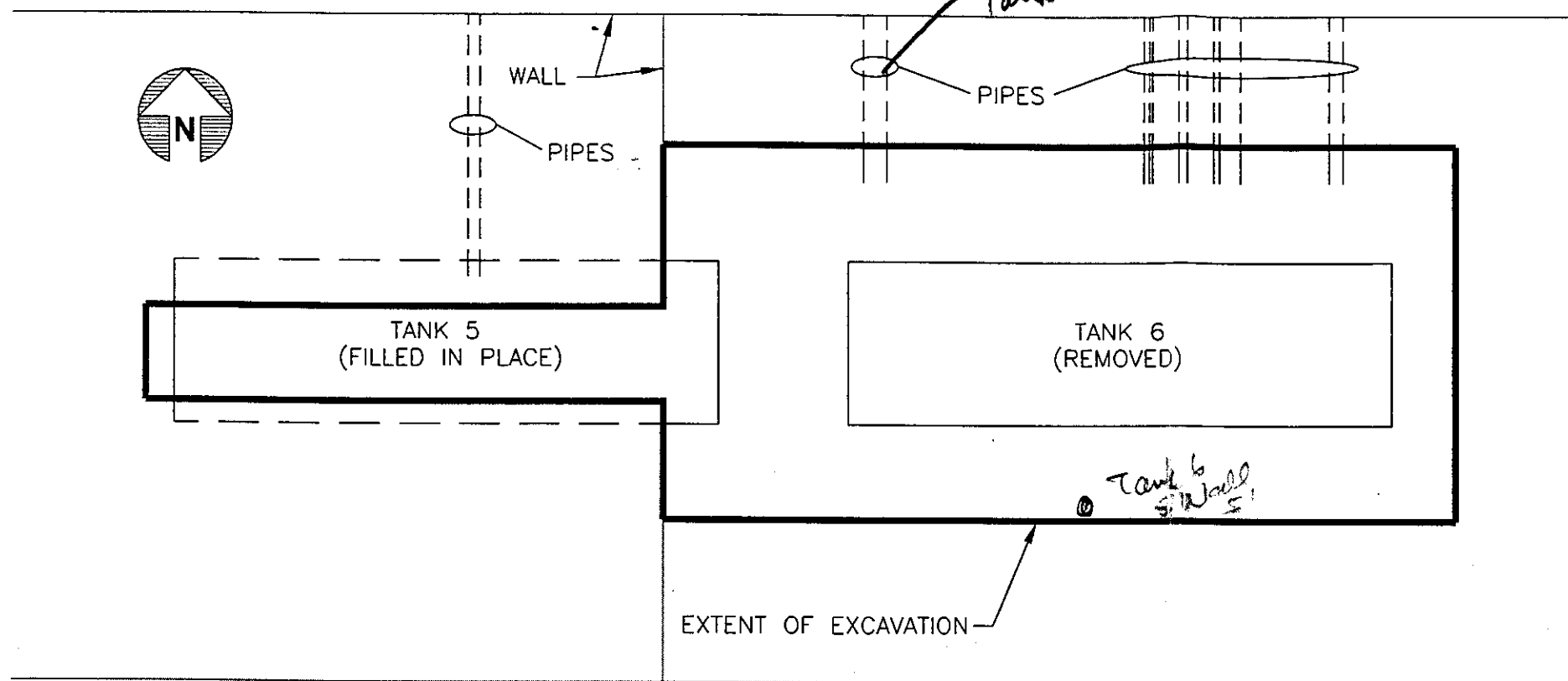


PROFILE



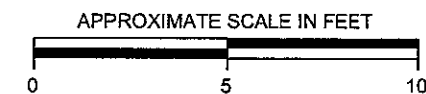
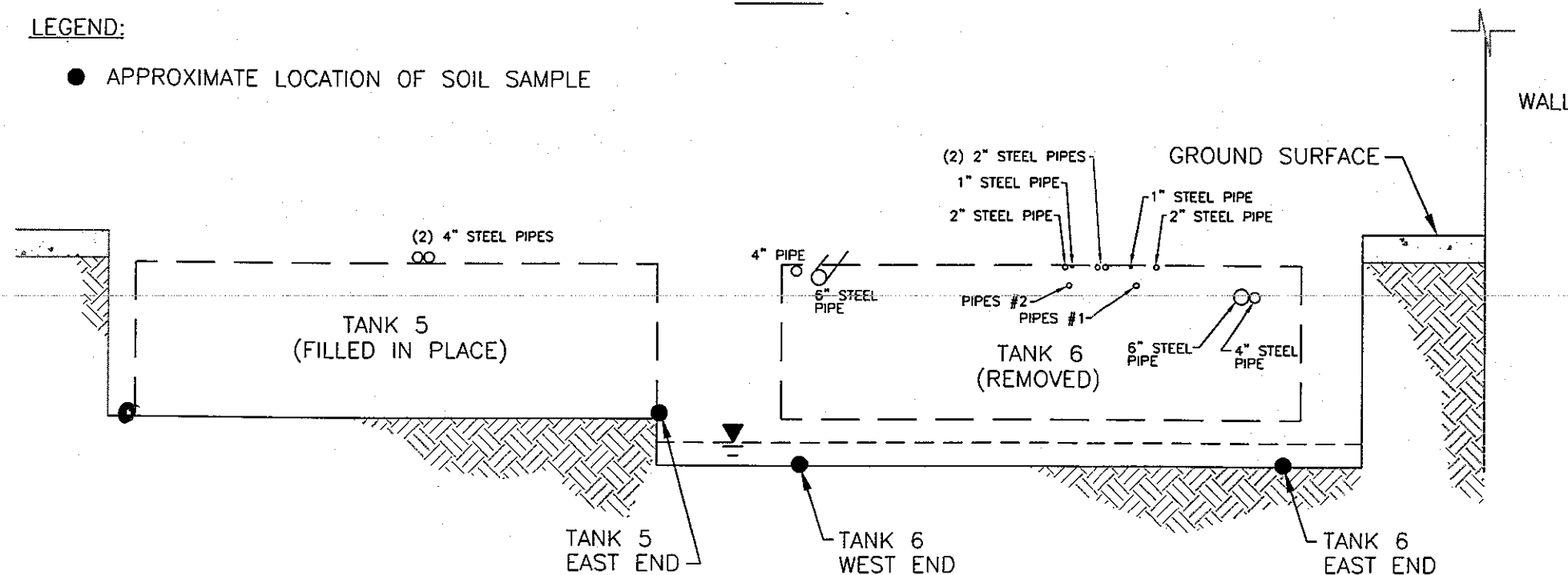
EXTERIOR TANK DETAIL	
1137-1167 65TH STREET OAKLAND, CALIFORNIA	
DRAWN BY: CFY	DATE: 3/28/02
JOB NUMBER: 855.003	FILE NUMBER: B855.003.01
SCI Subsurface Consultants, Inc. Geotechnical & Environmental Engineers	PLATE 3

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LEGEND:

- APPROXIMATE LOCATION OF SOIL SAMPLE



INTERIOR TANK DETAIL	
1137-1167 65TH STREET OAKLAND, CALIFORNIA	
DRAWN BY: CFY	DATE: 3/28/02
JOB NUMBER 855.003	FILE NUMBER: B855.003.02
PLATE	
4	

SCI Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

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APPENDIX A
NORCAL GEOPHYSICAL REPORT



October 18, 2001

Jeriann Alexander
Subsurface Consultants, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607

Dear Ms. Alexander:

This letter report summarizes the findings of a geophysical investigation performed by NORCAL Geophysical Consultants, Inc. on portions of a former dry cleaning facility and along an adjacent street behind the property. The facility, comprised of several concrete block buildings, is located at 1137-1167 65th Street, Oakland, California. NORCAL Geophysicist David Bissiri conducted the field survey on September 5, 2001.

PURPOSE AND METHODOLOGY

The purpose of the geophysical survey was to use electromagnetic metal detecting (MD), electromagnetic line locating (EMLL), and ground penetrating radar (GPR) methods to investigate for the presence of underground storage tanks (USTs) and their piping. Information regarding instrumentation and methods of these techniques is provided in Appendix A.

There are four areas of investigation at this site: 1) an approximately 20- by 15-foot area at the rear of the facility which was partially excavated and having numerous suspected product lines exposed; 2) a walkway area between the buildings extending northward from the partially excavated area; 3) an approximately 45- by 8-foot portion of the street behind the fence at the rear of the property; and 4) an area inside one of the buildings that had three concrete patches suggestive of backfilled excavations.

FIELD PROCEDURES

Partially Excavated Area: The investigation of the partially excavated area was limited to visual inspection of the pit and a very limited reconnaissance with the MD (due to the congested nature of the exposed metal piping). The MD reconnaissance consisted of several bidirectional traverses spaced approximately two to three feet apart.

Walkway Area: The walkway area was investigated with EMLL. This was accomplished by tracing the peak of an emitted signal as each exposed suspect product line in the partially excavated area was energized with a specialized radio transmitter.

Street Area: The street area behind the property was investigated with both MD and GPR methods. This was accomplished by conducting a series of bidirectional MD traverses spaced approximately three feet apart across the entire 45- by 8-foot area. The GPR was used to conduct two profiles, spaced two feet and three feet from, and parallel to, the fence.

Concrete Patch Area: The three suspect concrete patches were investigated with both MD and GPR methods.



Subsurface Consultants, Inc.
October 18, 2001
Page 2

RESULTS

Based on our interpretations of the geophysical data, our results can be summarized as follows:

- No evidence suggesting the existence of UST's was found in the partially excavated area. However, this area may still contain one or more UST's since many of the exposed pipes have vertical elbows extending deeper into the ground.
- One or more of the exposed pipes in the partially excavated area extend northward under some of the buildings in the walkway area. The apparent alignments of these pipes were delineated on the pavement with chalk (per your instructions)
- No evidence suggestive of UST's was detected in the Street Area.
- No evidence suggestive of UST's was detected in the concrete patch areas. The GPR results were consistent with those produced by backfilled features with flat vertical walls. Given the past use of the site, these areas could have been the locations of oil/water separators.

LIMITATIONS

Not all buried objects or substructures can be detected or characterized by the geophysical techniques used for this investigation. In general, there are limitations unique to each geophysical method. These limitations include maximum depths of investigation. Also, each method relies on the existence of a significant contrast in physical properties between background soils and the object or substructure of interest. Each geophysical instrument responds differently to above or below ground cultural objects such as utilities, fences, and debris. Cultural objects cause interference, which can limit the effective detection of buried objects in their vicinity. Therefore, there remains the possibility of more buried objects within the zone of magnetic and metal-detector influence of these above ground objects. A more detailed discussion of the limitations with regard to each of the geophysical methods employed in this investigation is presented in Appendix A.

STANDARD CARE AND WARRANTY

The scope of NORCAL's services for this project consisted of using geophysical methods to characterize the shallow subsurface. The accuracy of our findings is subject to specific site conditions and limitations inherent to the techniques used. The services were performed in a manner consistent with the level of skill ordinarily exercised by members of the profession currently employing similar methods. No warranty, with respect to the services or products delivered under this agreement, expressed or implied, is made by NORCAL.



Subsurface Consultants, Inc.
October 18, 2001
Page 3

We appreciate the opportunity to provide you with this information.

Respectfully,

NORCAL Geophysical Consultants, Inc.

A handwritten signature in black ink, appearing to read "David Bissiri". The signature is fluid and cursive, with a prominent initial "D".

David Bissiri
Geophysicist GP-1009

DJB/WEB/jm

Enclosure: Appendix A: GEOPHYSICAL INSTRUMENTS, METHODS, and LIMITATIONS



Appendix A

GEOPHYSICAL INSTRUMENTS AND METHODS

Electromagnetic Metal Detection (MD)

The EM equipment consisted of a Fischer TW-6 "split-box" metal detector. The TW-6 is useful in determining a buried metallic object's general size and orientation, especially if that object is shallowly buried. This is done by holding this specialized EM transmitter-receiver unit above the ground and continuously scanning the surface. The TW-6 utilizes two orthogonal coils that are separated by a specified distance. One of the coils transmits an EM signal (primary field) which in turn produces a secondary field in and about nearby metal objects. Since the receiver coil is orthogonal to the transmitter coil (i.e. in a "null" portion of the transmitted field), it is unaffected by this primary field. However, the secondary EM field produced by buried metal is not in a "null" position and will thus generate an audible response from the receiver. In general, the peak response of the instrument is typically when the unit is directly over the metal object.

Electromagnetic Line Location (EMLL)

The detection of underground utilities is dependent upon the composition and construction of the line of interest, as well as depth. Standard line locating techniques (EMLL) and ground penetrating radar (GPR) are typically used in conjunction with each other to detect various utilities. Utilities detectable with standard line location techniques include any continuously connected metal pipes, cables/wires or utilities with tracer wires. Unless carrying a passive current these utilities must be exposed at the surface or in accessible utility vaults. These generally include water, electric, natural gas, telephone, and other conduits related to facility operations. Utilities that may not be detectable using standard electromagnetic line location techniques include certain abandoned utilities, utilities not exposed at the ground surface, or those made of non-electrically conductive materials such as PVC, fiberglass, vitrified clay, and metal pipes with insulating joints. Pipes generally deeper than about five to seven feet may not be detected.

Ground Penetrating Radar

A Geophysical Survey Systems, Inc. SIR-2 Subsurface Interface Radar System equipped with a 500 megahertz antenna was used to obtain the GPR data. This antenna frequency usually provides both the resolution and depth penetration for characterizing the shallow subsurface.

Ground penetrating radar is a method that provides a continuous, high resolution vertical cross-section depicting variations in the electrical properties of the shallow subsurface. GPR can be useful for determining the approximate size, shape, and relative depth of buried objects. The method is particularly sensitive to variations in electrical conductivity and electrical permittivity (the ability of a material to hold a charge when an electrical field is applied).

The system operates by repeatedly radiating an electromagnetic pulse into the ground from a transducer (antenna) as it is moved along a traverse. Since most earth materials are transparent



to electromagnetic energy, only a portion of the radar signal is reflected back to the surface from interfaces representing variations in electrical properties. When the signal encounters a metal object, however, most of the incident energy is reflected. The reflected signals are received by the same transducer and are printed in cross-section form on a graphical recorder. Depending upon depth and/or thickness of the host material, the resulting records can provide information regarding the location of UST's, sumps, buried debris, underground utilities, and variations in the shallow site materials. Generally speaking, electrically conductive materials, such as clay, saturated silt, and rebar can limit radar performance by either damping and/or scattering of the radar signal, while electrically resistive materials such as clean sands allows signals from deeper depths to be received.

LIMITATIONS

MD Techniques

In general, the response of the electromagnetic metal detection instrument is proportional to the horizontal surface area of shallowly buried subsurface objects (typically in the upper three or four feet). This relationship can be used to advantage in locating buried metal debris, buried reinforced concrete pads, and utilities. However, in the presence of above ground metallic objects such as fences, walls, parked cars, and metal debris this is no longer valid. In some instances, the presence of such objects can make it very difficult to determine whether the instrument responses are associated with below ground targets or above ground cultural features. As with terrain conductivity techniques, when multiple sources are present it may not be possible to identify individual targets.

GPR Techniques

The ability to detect subsurface targets is dependent on site specific conditions. These conditions include depth of burial, the size or diameter of the target, the condition of the specific target in question, the type of backfill material associated with the target, and the surface conditions over the target. Typically, the GPR depth of detection will be reduced as the clay content in the subsurface increases. Therefore, it is possible that targets (UST's and utilities), buried greater than 2 to about 4 feet, may not be detectable by the GPR technique.

APPENDIX B
ANALYTICAL TEST REPORTS

Product Characterization Test Results



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 21-SEP-01
Lab Job Number: 154115
Project ID: 855.003
Location: 1137-1167 65th Street

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

This package may be reproduced only in its entirety.

Laboratory Number: **154115**
Client: **Subsurface Consultants, Inc.**
Project Name: **1137-1167 65th Street**

Receipt Date: **09/13/01**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for three product samples received from the above referenced project. The samples were received ambient and intact.

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recovery for sample PORT 2 (154115-002) was outside acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recovery was acceptable, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: The hexacosane surrogate did not recover in samples PORT 2 (154115-002) and PORT 3 (154115-003) due to matrix interference. No other analytical problems were encountered.

Volatile Organic Compounds: No analytical problems were encountered.

154115

CHAIN OF CUSTODY

PROJECT NAME: 1137-1167 65th Street
 JOB NUMBER: 855.003
 PROJECT CONTACT: E. Silverman
 SAMPLED BY: JNA
 LAB: Curtis & Tompkins
 TURNAROUND: ASAP 48 hours
 REQUESTED BY: E Silverman

ANALYSIS REQUESTED	
TPH-g, BTEX, MTBE (8015 and 8020)	
TPH as Diesel - using silica gel clean up (80)	
VOCs (8260)	X
CAM 17 Title 22 Metals (60107000)	
Lead (6010)	
TPH High Purity	X
Quadrupole Supratherms	X
TPH High Purity Quant	X
TPH High Purity	X

LABORATORY I.D NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES	
		WATER	SOIL	AIR	Product	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY	YEAR		TIME
	Port 1				X	2									X	09	13	01	0953	
	Port 2				X	2									X	09	13	01	1003	
	Port 3				X	2									X	09	13	01	1018	

Preservation Correct?
 Yes No N/A

Received On Ice
 Cold Ambient Intact

CHAIN OF CUSTODY RECORD		
RELINQUISHED BY: (Signature) <i>E. Silverman</i>	DATE/TIME 9/13/07 10:50	RECEIVED BY: (Signature) <i>Gene Alonge</i>
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

COMMENTS & NOTES:
 Samples are product.

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

Gasoline by GC/FID CA LUFT

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Matrix:	Water	Sampled:	09/13/01
Units:	ug/L	Received:	09/13/01
Batch#:	66443	Analyzed:	09/17/01

Field ID: PORT 1 Lab ID: 154115-001
 Type: SAMPLE Diln Fac: 100,000

Analyte	Result	RL
Gasoline C7-C12	130,000,000 H Y	5,000,000
Naphtha C7-C12	59,000,000 H Y	5,000,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	59-135
Bromofluorobenzene (FID)	127	60-140

Field ID: PORT 2 Lab ID: 154115-002
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	7,700	50
Naphtha C7-C12	3,600 H Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	59-135
Bromofluorobenzene (FID)	141 *	60-140

Field ID: PORT 3 Lab ID: 154115-003
 Type: SAMPLE Diln Fac: 5.000

Analyte	Result	RL
Gasoline C7-C12	8,000	250
Naphtha C7-C12	3,700 H Y	250

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

Type: BLANK Diln Fac: 1.000
 Lab ID: QC156235

Analyte	Result	RL
Gasoline C7-C12	ND	50
Naphtha C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	59-135
Bromofluorobenzene (FID)	100	60-140

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

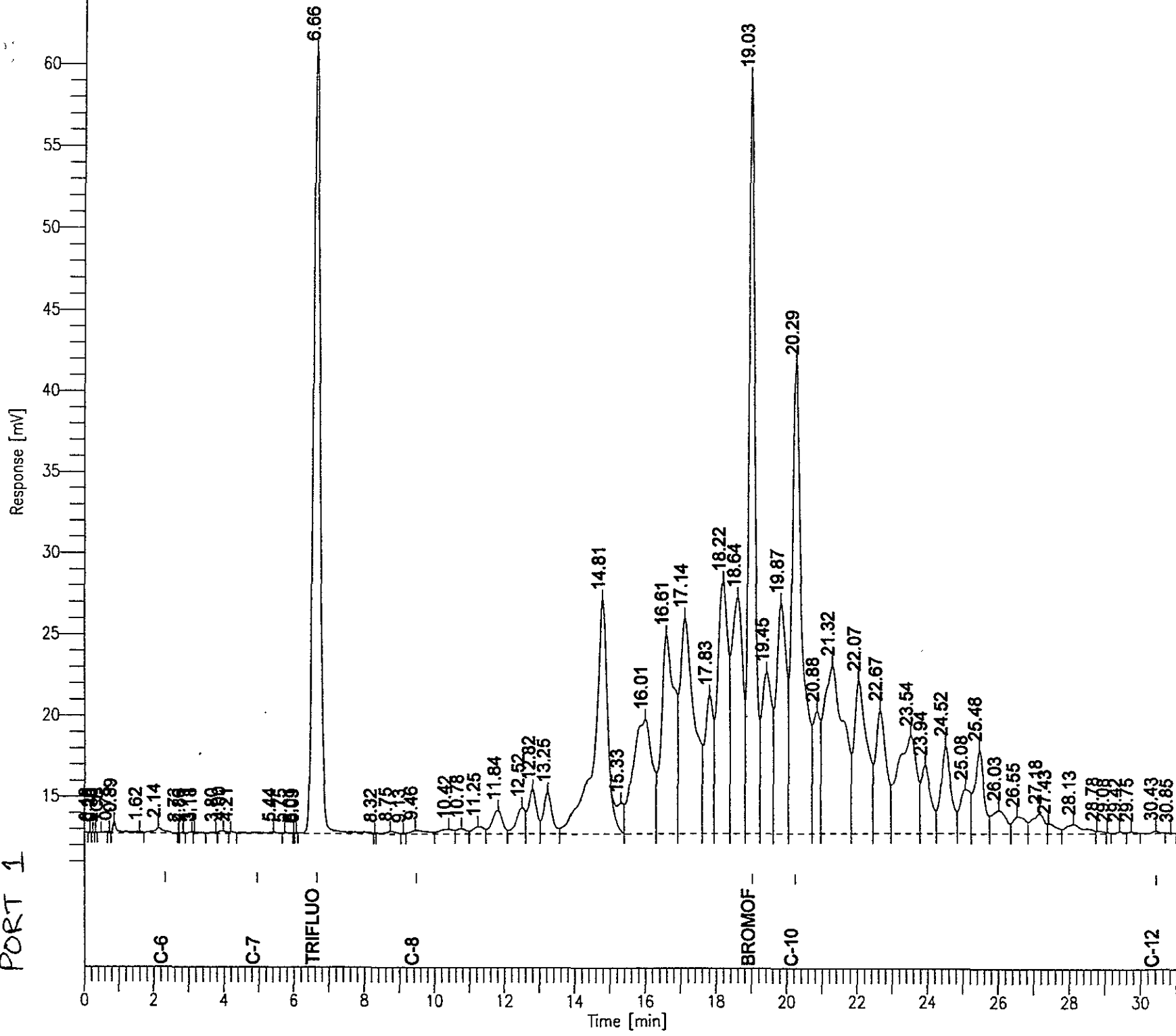
Chromatogram

Sample Name : 154115-001,66443,tvh & naptha
FileName : G:\GC05\DATA\260G011.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 31.00 min
Plot Offset: 10 mV

Page 1 of 1
Date : 9/17/01 08:00 PM
Time of Injection: 9/17/01 07:29 PM
Low Point : 10.32 mV
Plot Scale: 50.6 mV
High Point : 60.88 mV

PORT 1



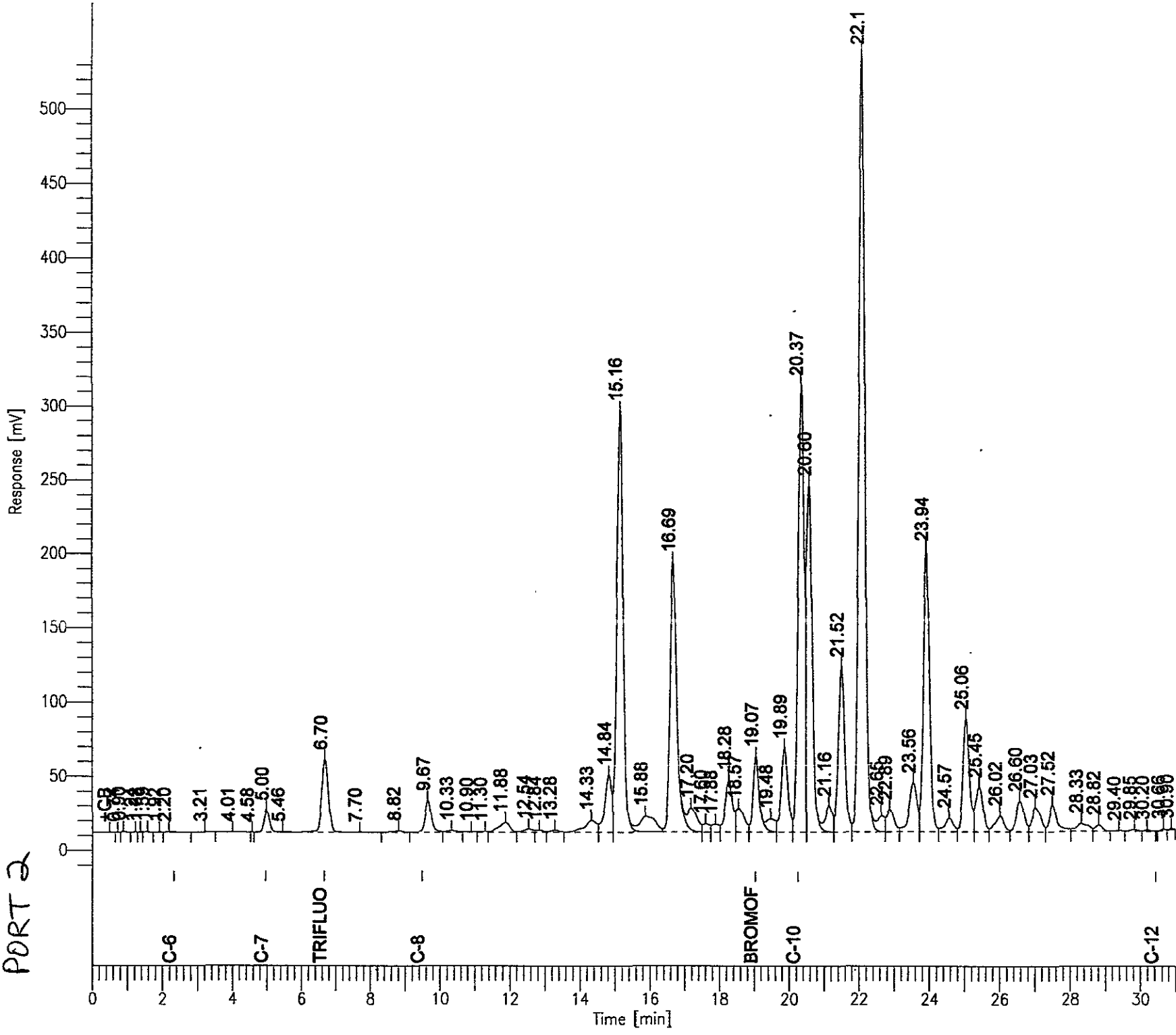
Chromatogram

Sample Name : 154115-002,66443,cvh & naptha
FileName : G:\GC05\DATA\260G005.raw
Method : TVHPTXK
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 31.00 min
Plot Offset: -14 mV

Page 1 of 1
Sample #: a6
Date : 9/17/01 03:07 PM
Time of Injection: 9/17/01 02:36 PM
Low Point : -13.75 mV
Plot Scale: 551.8 mV
High Point : 538.09 mV

PORT 2



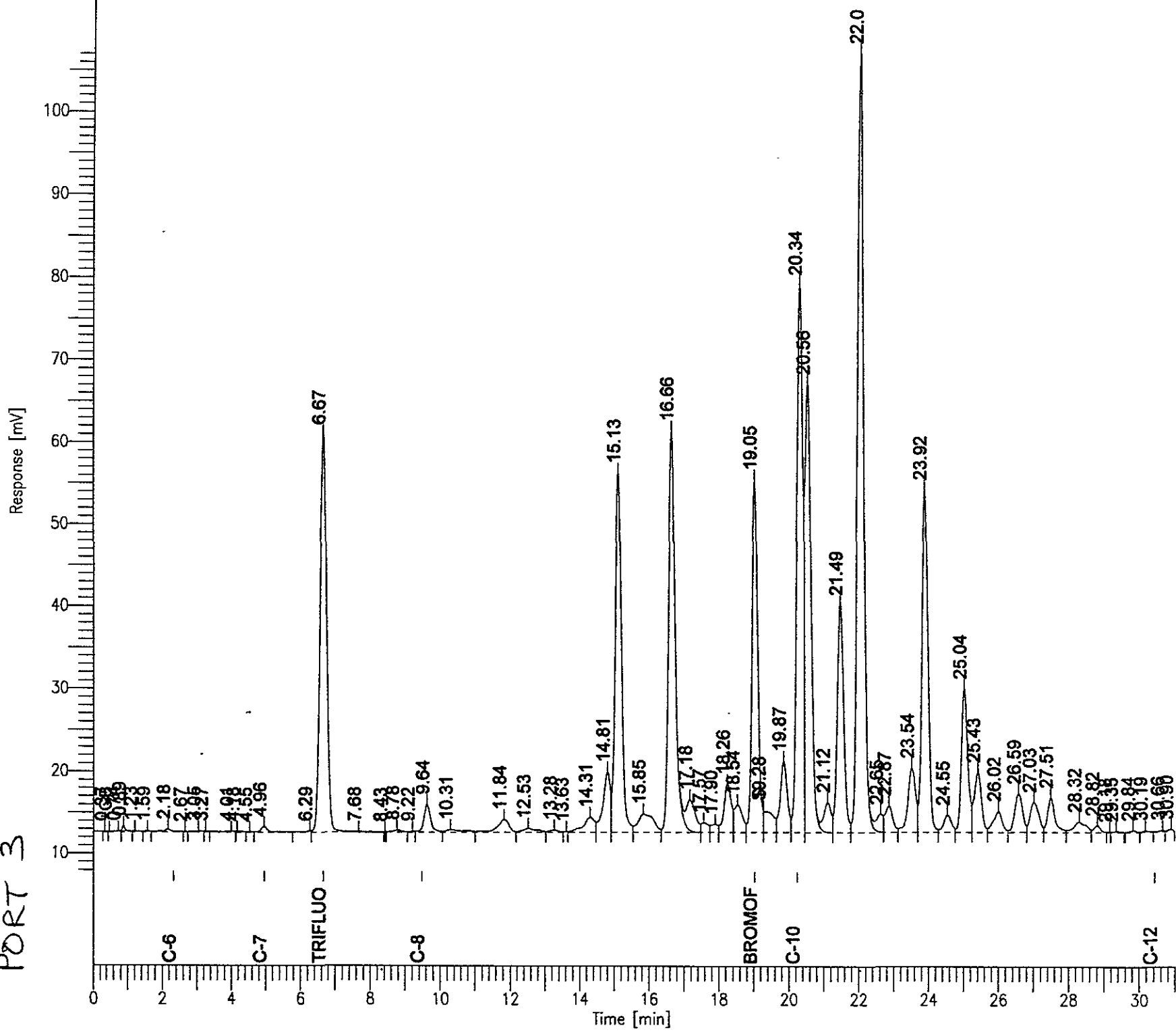
Chromatogram

Sample #: a6
Date : 9/18/01 01:23 PM
Time of Injection: 9/17/01 06:02 PM
Low Point : 7.89 mV
High Point : 107.28 mV
Plot Scale: 99.4 mV

Sample Name : 154115-003,66443,tvñ & naptha
FileName : G:\GC05\DATA\260G009.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0
End Time : 31.00 min
Plot Offset: 8 mV

Page 1 of 1

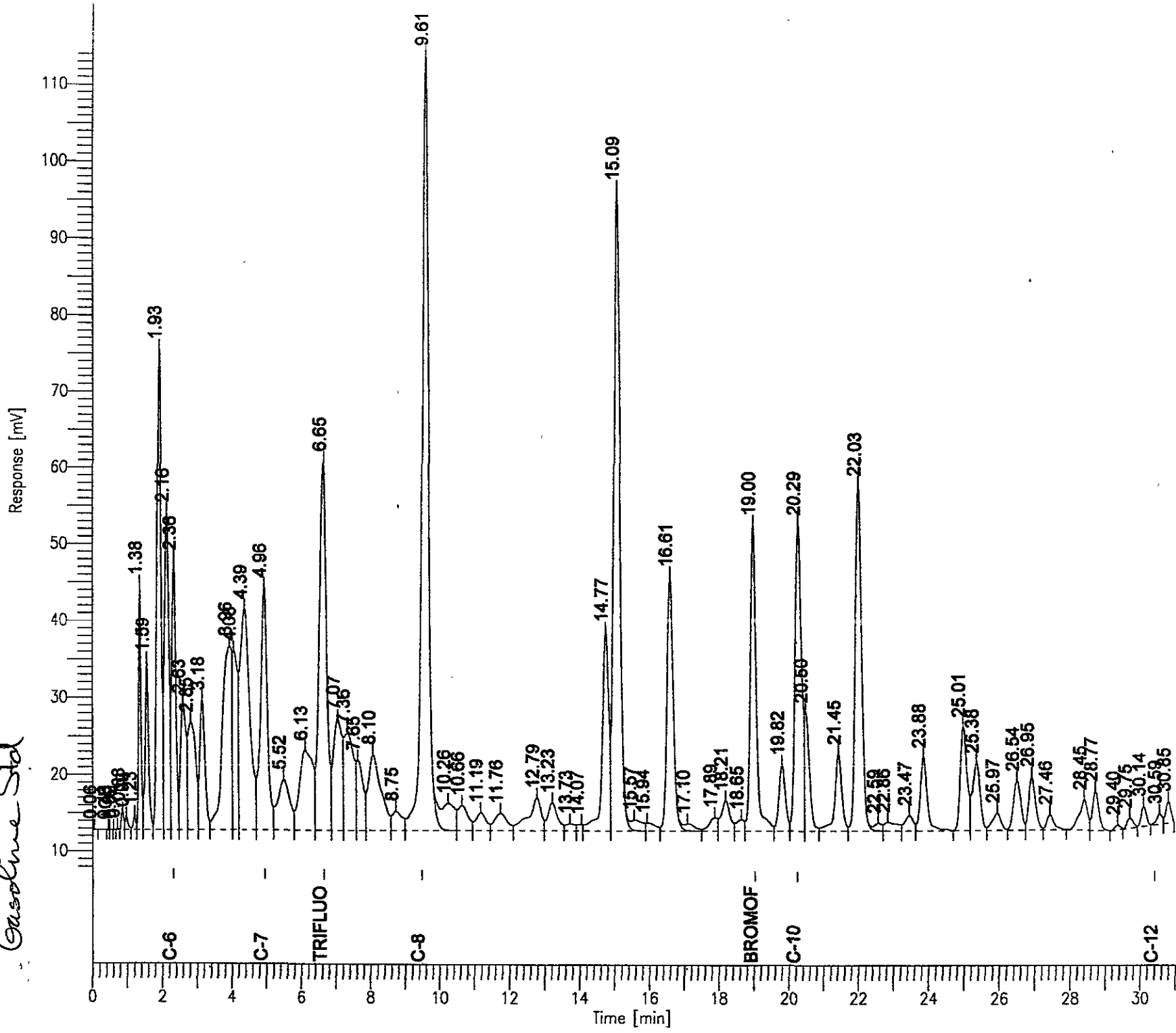
PORT 3



Chromatogram

Sample Name : CCV/LCS, QC156234, 66443, 01WS1795, 5/5000
File Name : G:\GC05\DATA\260G002.raw
Method : TVHBTX
Start Time : 0.00 min
Scale Factor: 1.0
End Time : 31.00 min
Plot Offset: 8 mV
Sample #:
Date : 9/17/01 12:19 PM
Time of Injection: 9/17/01 11:48 AM
Low Point : 7.72 mV
High Point : 114.01 mV
Plot Scale: 106.3 mV

Gasoline Std



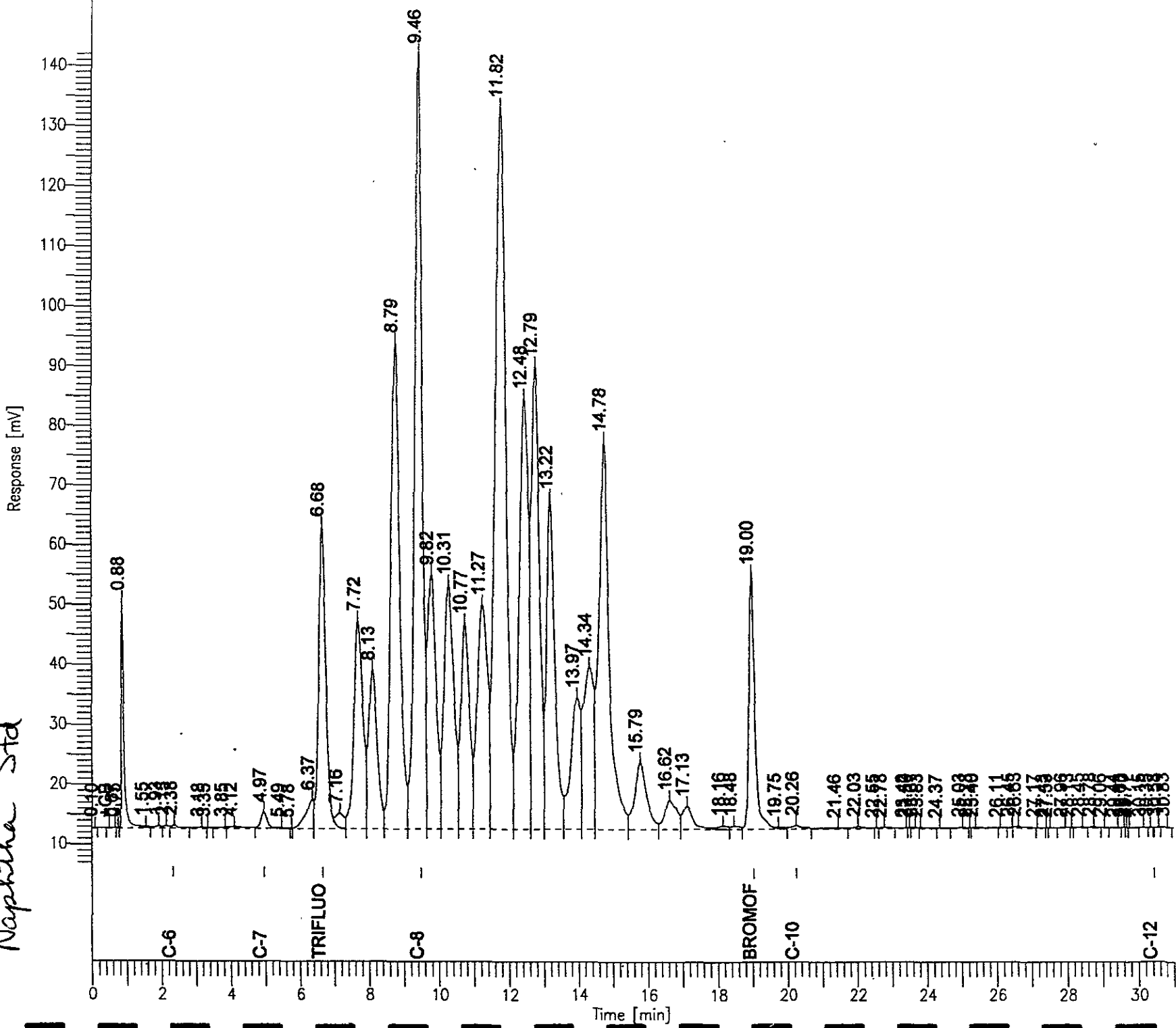
Chromatogram

Sample Name : CCV.NAPTHA.66443.01MS1794.5/5000
FileName : G:\GC05\DATA\2606001.raw
Method : TVHRTX
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 31.00 min
Plot Offset: 6 mV

Page 1 of 1
Date : 9/17/01 11:36 AM
Time of Injection: 9/17/01 11:05 AM
Low Point : 6.22 mV
High Point : 142.51 mV
Plot Scale: 136.3 mV

Naphtha Std



Gasoline by GC/FID CA LUFT

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC156234	Batch#:	66443
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,034	102	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	59-135
Bromofluorobenzene (FID)	103	60-140

Gasoline by GC/FID CA LUFT

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Field ID:	ZZZZZZZZZZ	Batch#:	66443
MSS Lab ID:	154151-012	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	1.000		

Type: MS Lab ID: QC156236

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<24.00	2,000	1,970	98	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	59-135
Bromofluorobenzene (FID)	110	60-140

Type: MSD Lab ID: QC156237

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,019	101	65-131	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	59-135
Bromofluorobenzene (FID)	107	60-140

Total Extractable Hydrocarbons

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3580
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Prepared:	09/17/01
Batch#:	66454	Analyzed:	09/17/01
Sampled:	09/13/01		

Field ID: PORT 1 Lab ID: 154115-001
 Type: SAMPLE Diln Fac: 50.00

Analyte	Result	RL
Diesel C10-C24	280,000,000 L Y	20,000,000

Surrogate	SRRC	Limits
Hexacosane	DO	44-121

Field ID: PORT 2 Lab ID: 154115-002
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	390,000

Surrogate	SRRC	Limits
Hexacosane	0 *	44-121

Field ID: PORT 3 Lab ID: 154115-003
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	390,000

Surrogate	SRRC	Limits
Hexacosane	0 *	44-121

Type: BLANK Diln Fac: 1.000
 Lab ID: QC156272

Analyte	Result	RL
Diesel C10-C24	ND	400,000

Surrogate	SRRC	Limits
Hexacosane	93	44-121

*= Value outside of QC limits; see narrative
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

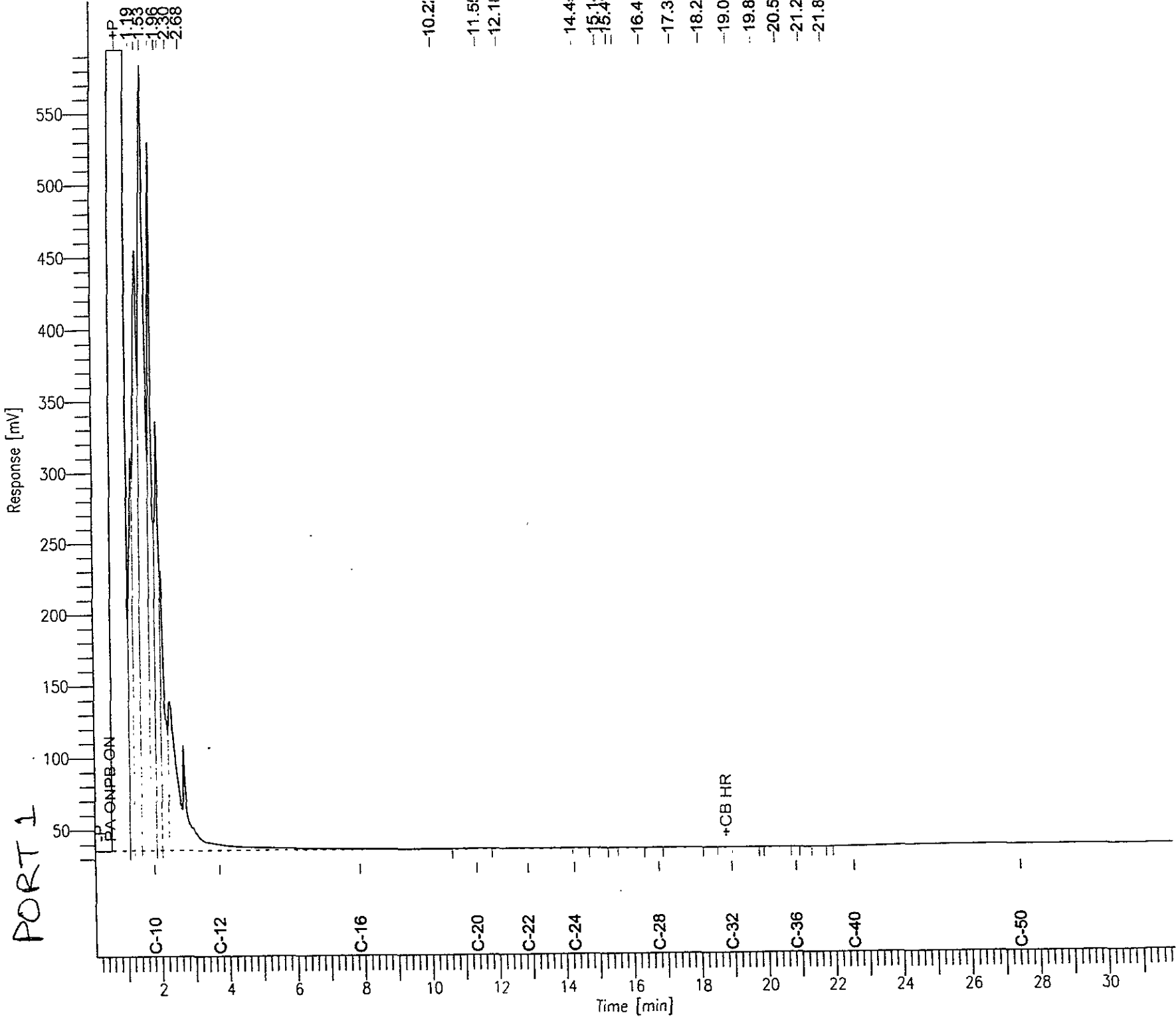
Chromatogram

Page 1 of 1

Sample Name : 154115-001,66454
FileName : G:\GC13\CHB\260B010.RAW
Method : RTEH241.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 66454
Date : 09/17/2001 03:36 PM
Time of Injection: 09/17/2001 03:03 PM
Low Point : 26.46 mV
High Point : 595.27 mV
End Time : 31.91 min
Plot Offset: 26 mV
Plot Scale: 568.8 mV

PORT 1



Chromatogram

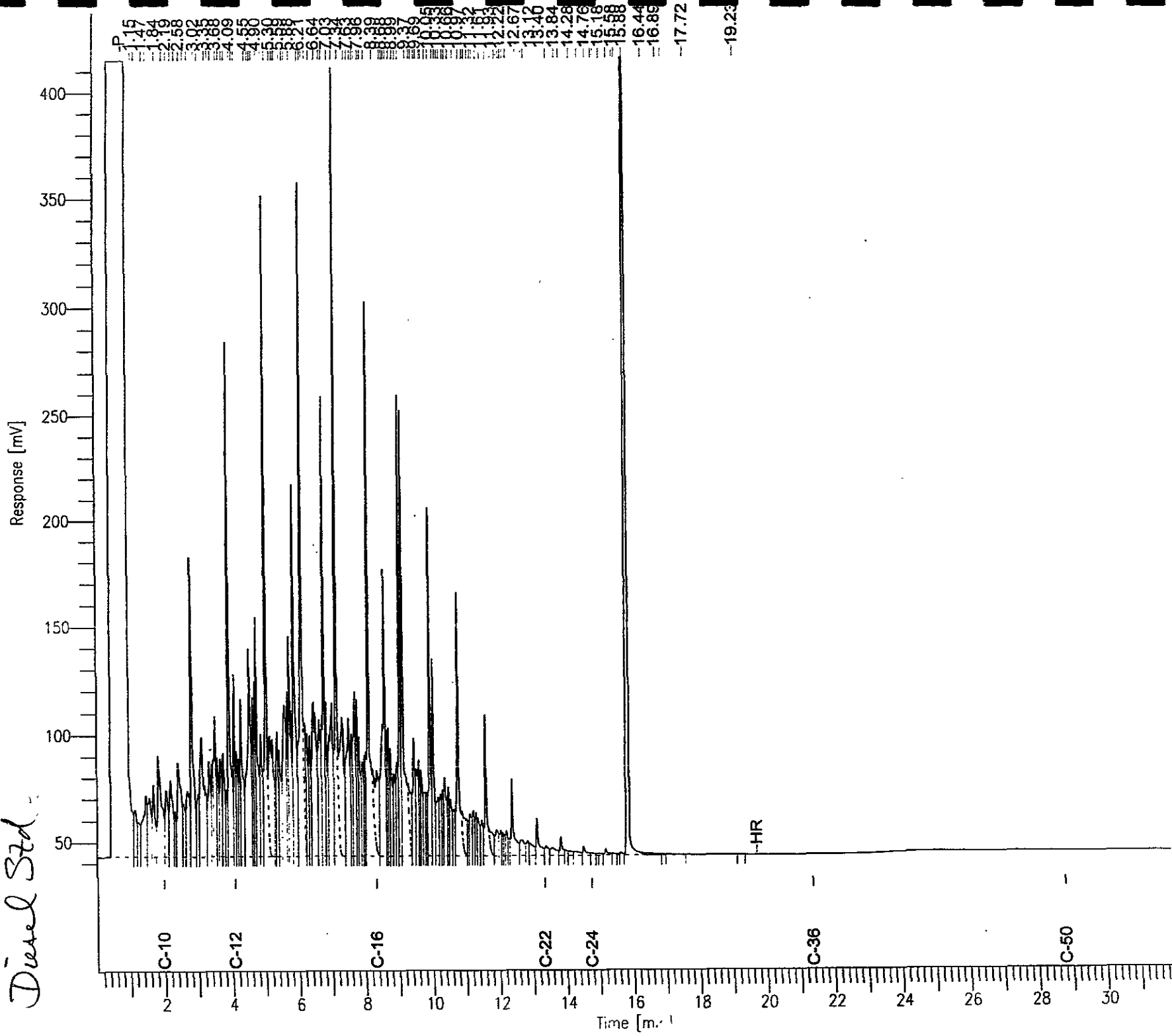
Sample Name : ccv_01ws1731.dsl
File Name : G:\GC11\CHA\260A002.RAW
Method : ATEH212.MTH
Start Time : 0.01 min
Scale Factor : 0.0

End Time : 31.91 min
Plot Offset: 32 mV

Sample #: 500mg/L
Date : 9/17/01 10:39 AM
Time of Injection: 9/17/01 09:20 AM
Low Point : 32.24 mV
Plot Scale: 382.7 mV
High Point : 414.90 mV

Page 1 of 1

Diesel Std.



Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 1	Batch#:	66449
Lab ID:	154115-001	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	250.0		

Analyte	Result	RL
Chloromethane	ND	250
Vinyl Chloride	ND	130
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	130
Freon 113	ND	250
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	5,000
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	170	130
Chloroform	ND	250
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	550	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	42,000	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	78-123
Toluene-d8	103	80-110
Bromofluorobenzene	82	80-115

Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 2	Batch#:	66449
Lab ID:	154115-002	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	25.00		

Analyte	Result	RL
Chloromethane	ND	25
Vinyl Chloride	ND	13
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Freon 113	ND	25
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	500
trans-1,2-Dichloroethene	ND	13
1,1-Dichloroethane	ND	13
cis-1,2-Dichloroethene	ND	13
Chloroform	ND	25
1,1,1-Trichloroethane	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
cis-1,3-Dichloropropene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
Tetrachloroethene	ND	13
Dibromochloromethane	ND	13
Chlorobenzene	ND	13
Bromoform	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

Surrogate	SRIC	Limits
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected

RL= Reporting Limit

Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 3	Batch#:	66449
Lab ID:	154115-003	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	25.00		

Analyte	Result	RL
Chloromethane	ND	25
Vinyl Chloride	ND	13
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Freon 113	ND	25
1,1-Dichloroethene	ND	13
Methylene Chloride	720	500
trans-1,2-Dichloroethene	ND	13
1,1-Dichloroethane	ND	13
cis-1,2-Dichloroethene	ND	13
Chloroform	ND	25
1,1,1-Trichloroethane	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
cis-1,3-Dichloropropene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
Tetrachloroethene	ND	13
Dibromochloromethane	ND	13
Chlorobenzene	ND	13
Bromoform	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	114	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156254	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	REC	Limit
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected

RL= Reporting Limit

Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156255	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	103	80-115

Purgeable Halocarbons by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	66449
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	1.000		

Type: BS Lab ID: QC156252

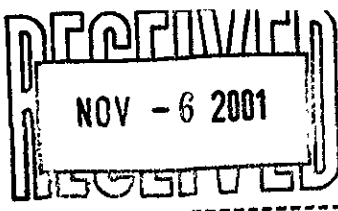
Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	50.03	100	74-132
Trichloroethene	50.00	46.97	94	80-119
Chlorobenzene	50.00	47.95	96	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	98	80-115

Type: BSD Lab ID: QC156253

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	48.29	97	74-132	4	20
Trichloroethene	50.00	46.81	94	80-119	0	20
Chlorobenzene	50.00	47.50	95	80-117	1	20

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



Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 1	Batch#:	66449
Lab ID:	154115-001	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	250.0		

Analyte	Result	RL
Freon 12	ND	2,500
Chloromethane	ND	250
Vinyl Chloride	ND	130
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	130
Acetone	ND	5,000
Freon 113	ND	250
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	5,000
Carbon Disulfide	ND	1,300
MTBE	ND	130
trans-1,2-Dichloroethene	ND	130
Vinyl Acetate	ND	13,000
1,1-Dichloroethane	ND	130
2-Butanone	ND	2,500
cis-1,2-Dichloroethene	170	130
2,2-Dichloropropane	ND	1,300
Chloroform	ND	250
Bromochloromethane	ND	2,500
1,1,1-Trichloroethane	ND	130
1,1-Dichloropropene	ND	1,300
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Benzene	2,400	130
Trichloroethene	550	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
Dibromomethane	ND	1,300
4-Methyl-2-Pentanone	ND	2,500
cis-1,3-Dichloropropene	ND	130
Toluene	24,000	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
2-Hexanone	ND	2,500
1,3-Dichloropropane	ND	1,300
Tetrachloroethene	42,000	130
Dibromochloromethane	ND	130
1,2-Dibromoethane	ND	1,300
Chlorobenzene	ND	130
1,1,1,2-Tetrachloroethane	ND	1,300
Ethylbenzene	74,000 >LR b	130
m,p-Xylenes	440,000 >LR b	130
o-Xylene	290,000 >LR b	130
Styrene	ND	1,300
Bromoform	ND	130
Isopropylbenzene	170,000 >LR b	1,300
1,1,2,2-Tetrachloroethane	ND	130
1,2,3-Trichloropropane	ND	1,300
Propylbenzene	210,000 >LR b	1,300
Bromobenzene	ND	1,300
1,3,5-Trimethylbenzene	470,000 >LR b	1,300
2-Chlorotoluene	ND	1,300

b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range
 Page 1 of 2

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855,003	Analysis:	EPA 8260B
Field ID:	PORT 1	Batch#:	66449
Lab ID:	154115-001	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	250.0		

Analyte	Result	RL
4-Chlorotoluene	ND	1,300
tert-Butylbenzene	ND	1,300
1,2,4-Trimethylbenzene	470,000 >LR b	1,300
sec-Butylbenzene	140,000 >LR b	1,300
para-Isopropyl Toluene	140,000 >LR b	1,300
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
n-Butylbenzene	130,000 >LR b	1,300
1,2-Dichlorobenzene	ND	130
1,2-Dibromo-3-Chloropropane	ND	1,300
1,2,4-Trichlorobenzene	ND	1,300
Hexachlorobutadiene	ND	1,300
Naphthalene	10,000	1,300
1,2,3-Trichlorobenzene	ND	1,300

Surrogate	SRM	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	107	78-123
Toluene-d8	103	80-110
Bromofluorobenzene	82	80-115

b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 2	Batch#:	66449
Lab ID:	154115-002	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	25.00		

Analyte	Result	RI
Freon 12	ND	250
Chloromethane	ND	25
Vinyl Chloride	ND	13
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Acetone	ND	500
Freon 113	ND	25
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	500
Carbon Disulfide	ND	130
MTBE	ND	13
trans-1,2-Dichloroethene	ND	13
Vinyl Acetate	ND	1,300
1,1-Dichloroethane	ND	13
2-Butanone	ND	250
cis-1,2-Dichloroethene	ND	13
2,2-Dichloropropane	ND	130
Chloroform	ND	25
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	13
1,1-Dichloropropene	ND	130
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Benzene	18	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
Dibromomethane	ND	130
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	13
Toluene	25	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
2-Hexanone	ND	250
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	13

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 2	Batch#:	66449
Lab ID:	154115-002	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	25.00		

Analyte	Result	RL
Dibromochloromethane	ND	13
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	13
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	39	13
m,p-Xylenes	370	13
o-Xylene	230	13
Styrene	ND	130
Bromoform	ND	13
Isopropylbenzene	ND	130
1,1,2,2-Tetrachloroethane	ND	13
1,2,3-Trichloropropane	ND	130
Propylbenzene	ND	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	360	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	790	130
sec-Butylbenzene	ND	130
para-Isopropyl Toluene	ND	130
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
n-Butylbenzene	ND	130
1,2-Dichlorobenzene	ND	13
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	130
Naphthalene	ND	130
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	100	80-115

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 3	Batch#:	66449
Lab ID:	154115-003	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	25.00		

Analyte	Result	RL
Freon 12	ND	250
Chloromethane	ND	25
Vinyl Chloride	ND	13
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Acetone	ND	500
Freon 113	ND	25
1,1-Dichloroethene	ND	13
Methylene Chloride	720	500
Carbon Disulfide	ND	130
MTBE	ND	13
trans-1,2-Dichloroethene	ND	13
Vinyl Acetate	ND	1,300
1,1-Dichloroethane	ND	13
2-Butanone	ND	250
cis-1,2-Dichloroethene	ND	13
2,2-Dichloropropane	ND	130
Chloroform	ND	25
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	13
1,1-Dichloropropene	ND	130
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	130
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	13
Toluene	17	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
2-Hexanone	ND	250
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	13

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 3	Batch#:	66449
Lab ID:	154115-003	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	25.00		

Analyte	Result	RL
Dibromochloromethane	ND	13
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	13
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	28	13
m,p-Xylenes	260	13
o-Xylene	280	13
Styrene	ND	130
Bromoform	ND	13
Isopropylbenzene	ND	130
1,1,2,2-Tetrachloroethane	ND	13
1,2,3-Trichloropropane	ND	130
Propylbenzene	ND	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	380	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	670	130
sec-Butylbenzene	ND	130
para-Isopropyl Toluene	ND	130
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
n-Butylbenzene	ND	130
1,2-Dichlorobenzene	ND	13
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	130
Naphthalene	ND	130
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	114	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156254	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156254	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
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	99	80-122
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	103	80-115

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156255	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156255	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
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	99	80-122
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	66449
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	1.000		

Type: BS Lab ID: QC156252

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	50.03	100	74-132
Benzene	50.00	46.12	92	80-116
Trichloroethene	50.00	46.97	94	80-119
Toluene	50.00	48.72	97	80-120
Chlorobenzene	50.00	47.95	96	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	98	80-115

Type: BSD Lab ID: QC156253

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	48.29	97	74-132	4	20
Benzene	50.00	45.49	91	80-116	1	20
Trichloroethene	50.00	46.81	94	80-119	0	20
Toluene	50.00	47.98	96	80-120	2	20
Chlorobenzene	50.00	47.50	95	80-117	1	20

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

Purgeable Aromatics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 1	Batch#:	66449
Lab ID:	154115-001	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	250.0		

Analyte	Result	RL
MTBE	ND	130
Benzene	2,400	130
Toluene	24,000	130
Chlorobenzene	ND	130
Ethylbenzene	74,000 >LR b	130
m,p-Xylenes	440,000 >LR b	130
o-Xylene	290,000 >LR b	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	78-123
Toluene-d8	103	80-110
Bromofluorobenzene	82	80-115

b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range
 Page 1 of 1

Purgeable Aromatics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 2	Batch#:	66449
Lab ID:	154115-002	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/17/01
Diln Fac:	25.00		

Analyte	Result	RI
MTBE	ND	13
Benzene	18	13
Toluene	25	13
Chlorobenzene	ND	13
Ethylbenzene	39	13
m,p-Xylenes	370	13
o-Xylene	230	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

Surrogate	SRAC	Limits
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	100	80-115

Purgeable Aromatics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PORT 3	Batch#:	66449
Lab ID:	154115-003	Sampled:	09/13/01
Matrix:	Water	Received:	09/13/01
Units:	ug/L	Analyzed:	09/18/01
Diln Fac:	25.00		

Analyte	Result	RL
MTBE	ND	13
Benzene	ND	13
Toluene	17	13
Chlorobenzene	ND	13
Ethylbenzene	28	13
m,p-Xylenes	260	13
o-Xylene	280	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	114	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

Purgeable Aromatics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156254	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	103	80-115



Purgeable Aromatics by GC/MS

Lab #:	154115	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC156255	Batch#:	66449
Matrix:	Water	Analyzed:	09/17/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Chlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	103	80-115



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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


Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 19-NOV-01
Lab Job Number: 154929
Project ID: N/A
Location: 1137-1167 65th

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

This package may be reproduced only in its entirety.

Laboratory Number: **154929**
Client: **Subsurface Consultants, Inc.**
Project Name: **1137-1167 65th Street**

Receipt Date: **10/23/01**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for three product samples received from the above referenced project. The samples were received cold and intact.

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recoveries for samples PORT 4 (154929-001) and PORT 6 (154929-003) were outside acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recoveries were acceptable, therefore, there is no effect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: No analytical problems were encountered.

Volatile Organic Compounds: The continuing calibration standard for acetone was above acceptance limits for acetone. Due to limited sample volume, sample was not available for re-analysis. A positive bias may be present for acetone in the associated samples. No other analytical problems were encountered.

154929

CHAIN OF CUSTODY

PROJECT NAME: 1137-1167 165th St.
 JOB NUMBER:
 PROJECT CONTACT: E. Silverman
 LAB: Cutors & Tompkins
 SAMPLED BY: E. Silverman
 TURNAROUND: Standard
 REQUESTED BY: E. Silverman

ANALYSIS REQUESTED					
TPH-g, BTEX, MTBE (8015 and 8020)					
TPH as Diesel - using silica gel clean up (80)					
VOCs (8260)					
CAM 17 Title 22 Metals (60107000)					
Lead (6010)					

LABORATORY ID NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED				SAMPLING DATE				NOTES	
		WATER	SOIL	AIR	Product	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY		YEAR
	Port 4				X	Z										10	23	01	1528
	Port 5				X	Z										10	23	01	1545
	Port 6				X	Z										10	23	01	1537

Received On Ice
 Cold Ambient Intact

Preservation Correct?
 Yes No N/A

CHAIN OF CUSTODY RECORD		
RELINQUISHED BY: (Signature) <i>Samuel W.</i>	DATE/TIME 10/23/01 1643	RECEIVED BY: (Signature) <i>AC EBL</i>
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

COMMENTS & NOTES:
hold.

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

1541929

CHAIN OF CUSTODY

OBJECT NAME: 1137-1167 65th St.
 LAB: Curtis & Tompkins
 OBJECT CONTACT: E. Silverman
 TURNAROUND: Standard
 SAMPLED BY: E. Silverman
 REQUESTED BY: E. Silverman

ANALYSIS REQUESTED	
TPH-g, BTEX, MTBE (8015 and 8020)	<input checked="" type="checkbox"/>
TPH as Diesel - using silica gel clean up (80)	<input checked="" type="checkbox"/>
VOCs (8260)	<input checked="" type="checkbox"/>
CAM 17 Title 22 Metals (60107000)	<input checked="" type="checkbox"/>
Lead (6010)	<input checked="" type="checkbox"/>
Purgeable Hydrocarbons (8260)	<input checked="" type="checkbox"/>
Non-purgeable Hydrocarbons (8260)	<input checked="" type="checkbox"/>
TPH First Print w/ Ben Solvents	<input checked="" type="checkbox"/>
TPH Second Print w/ Ben Solvents	<input checked="" type="checkbox"/>
TPH Third Print w/ Ben Solvents	<input checked="" type="checkbox"/>
TPH Fourth Print w/ Ben Solvents	<input checked="" type="checkbox"/>

LABORATORY ID NUMBER	SCI SAMPLE NUMBER	MATRIX			CONTAINERS			METHOD PRESERVED					SAMPLING DATE				NOTES		
		WATER	SOIL	AIR	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY		YEAR	TIME
	Port 4				X							X			10	23	01	1528	
	Port 5				X							X			10	23	01	1545	
	Port 6				X							X			10	23	01	1537	

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) <i>E. Silverman</i>	DATE/TIME 10/23/07 1643	RECEIVED BY: (Signature) <i>[Signature]</i>
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

COMMENTS & NOTES:
hold.



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

Y:\J 07.11.07 1007'07'07

Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Matrix:	Water	Sampled:	10/23/01
Units:	ug/L	Received:	10/23/01

Field ID:	PORT 4	Diln Fac:	1,000
Type:	SAMPLE	Batch#:	67467
Lab ID:	154929-001	Analyzed:	10/29/01

Analyte	Result	RL
Gasoline C7-C12	3,800,000 H Y	50,000
Naphtha C7-C12	2,100,000 H Y	50,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	59-135
Bromofluorobenzene (FID)	162 *	60-140

Field ID:	PORT 5	Diln Fac:	5.000
Type:	SAMPLE	Batch#:	67548
Lab ID:	154929-002	Analyzed:	10/31/01

Analyte	Result	RL
Gasoline C7-C12	5,100 H Y	250
Naphtha C7-C12	2,500 H Y	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	59-135
Bromofluorobenzene (FID)	116	60-140

Field ID:	PORT 6	Diln Fac:	10,000
Type:	SAMPLE	Batch#:	67467
Lab ID:	154929-003	Analyzed:	10/29/01

Analyte	Result	RL
Gasoline C7-C12	81,000,000 H Y	500,000
Naphtha C7-C12	44,000,000 H Y	500,000

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	59-135
Bromofluorobenzene (FID)	217 *	>LR b 60-140

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

GC19 TVH 'X' Data File (FID)

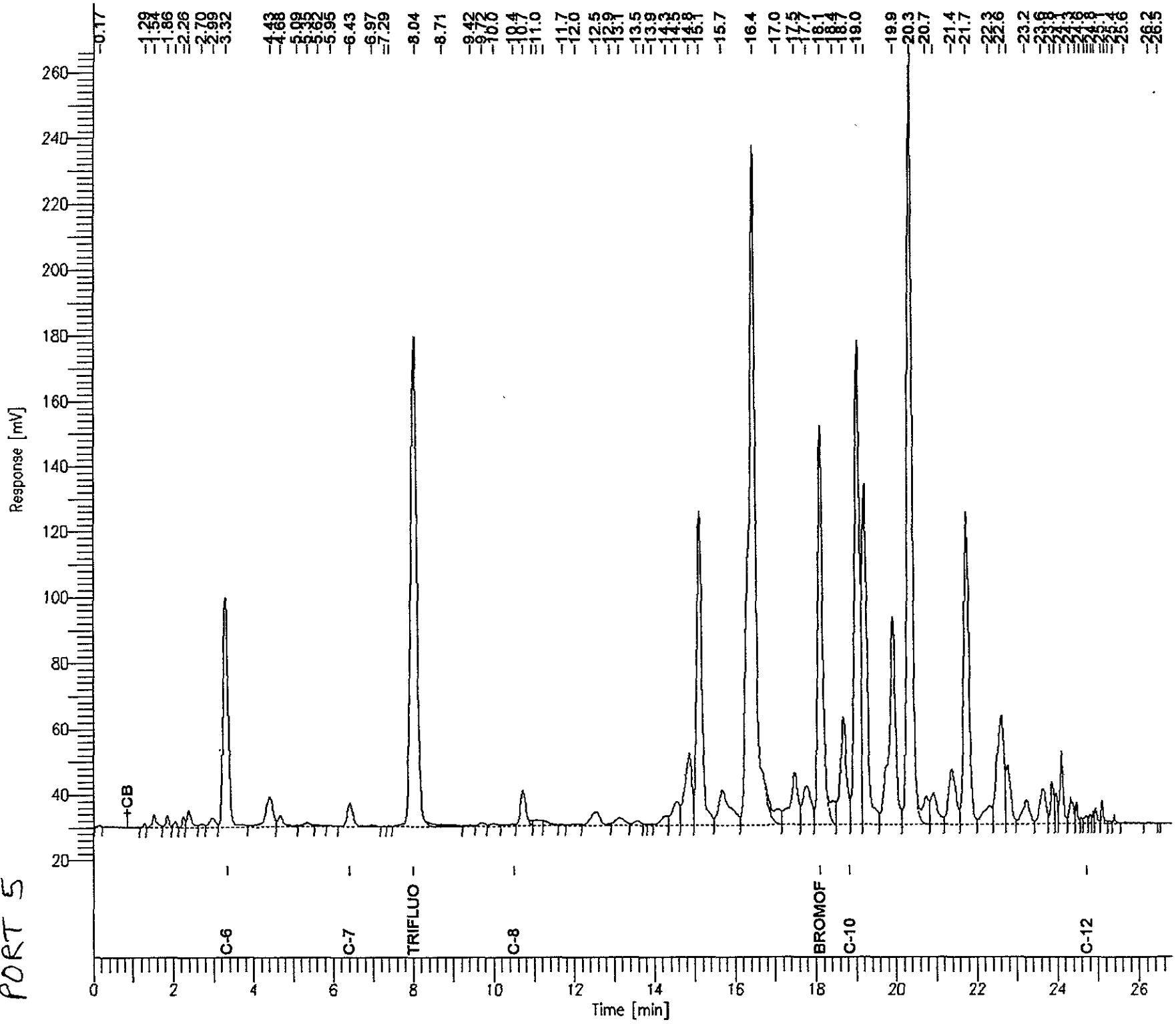
Sample Name : 154929-002,67548,TVH+NAPHTHA ONLY
FileName : G:\GC19\DATA\304X012.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.80 min
Plot Offset: 18 mV

Sample #: B7
Date : 10/31/01 06:46 PM
Time of Injection: 10/31/01 06:19 PM
Low Point : 18.35 mV
Plot Scale: 247.7 mV

Page 1 of 1
High Point : 266.10 mV

PORT 5

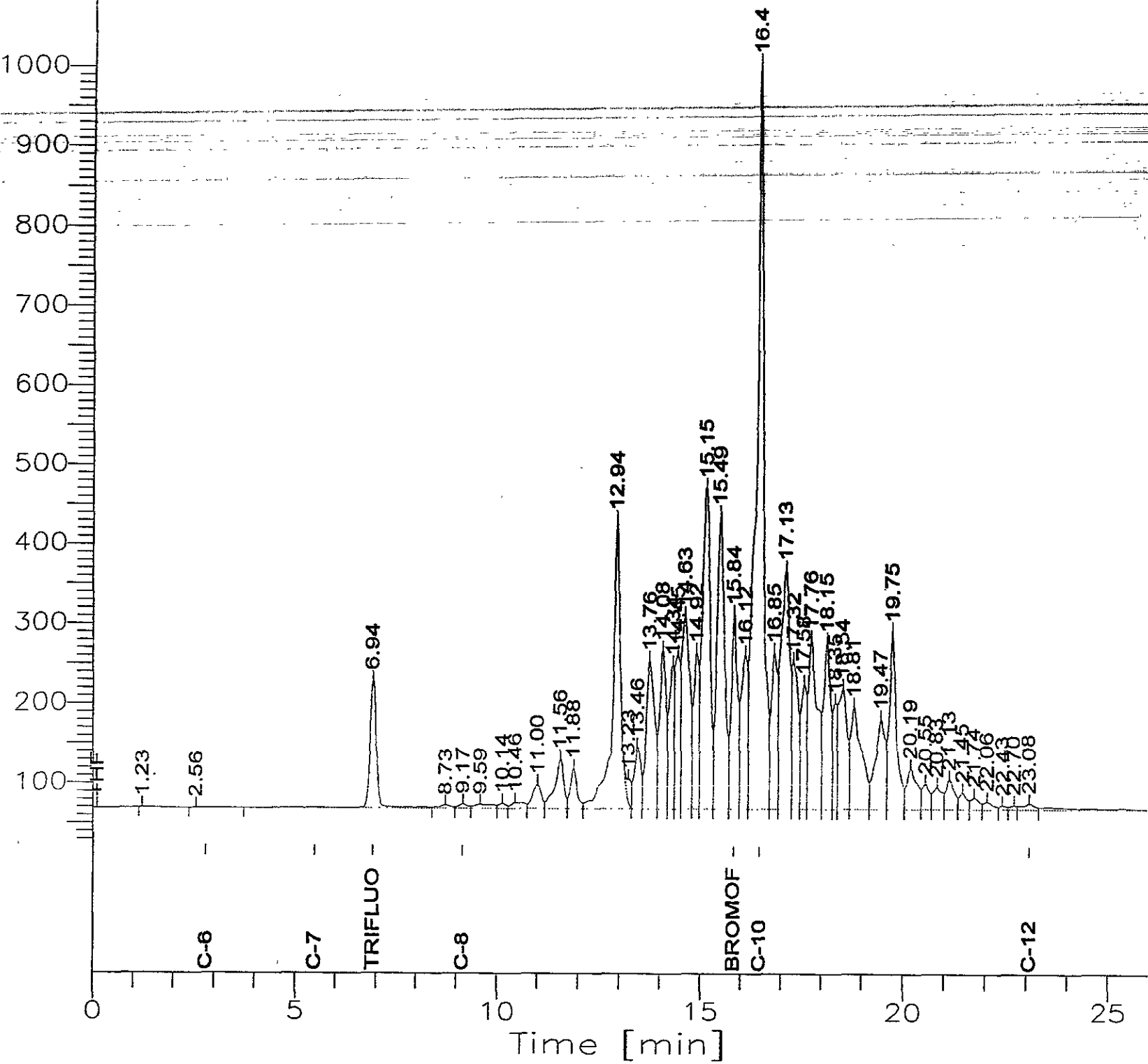


GC04 TVH 'J' Data File FID

Sample Name : 154929-003.67467
 File Name : G:\GC04\DATA\302J010.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: 1.0
 End Time : 26.00 min
 Plot Offset: 22 mV
 Sample #: B7
 Date : 10/30/01 10:11 AM
 Time of Injection: 10/29/01 03:06 PM
 Low Point : 22.03 mV
 Plot Scale: 983.9 mV
 High Point : 1005.91 mV

Response [mV]

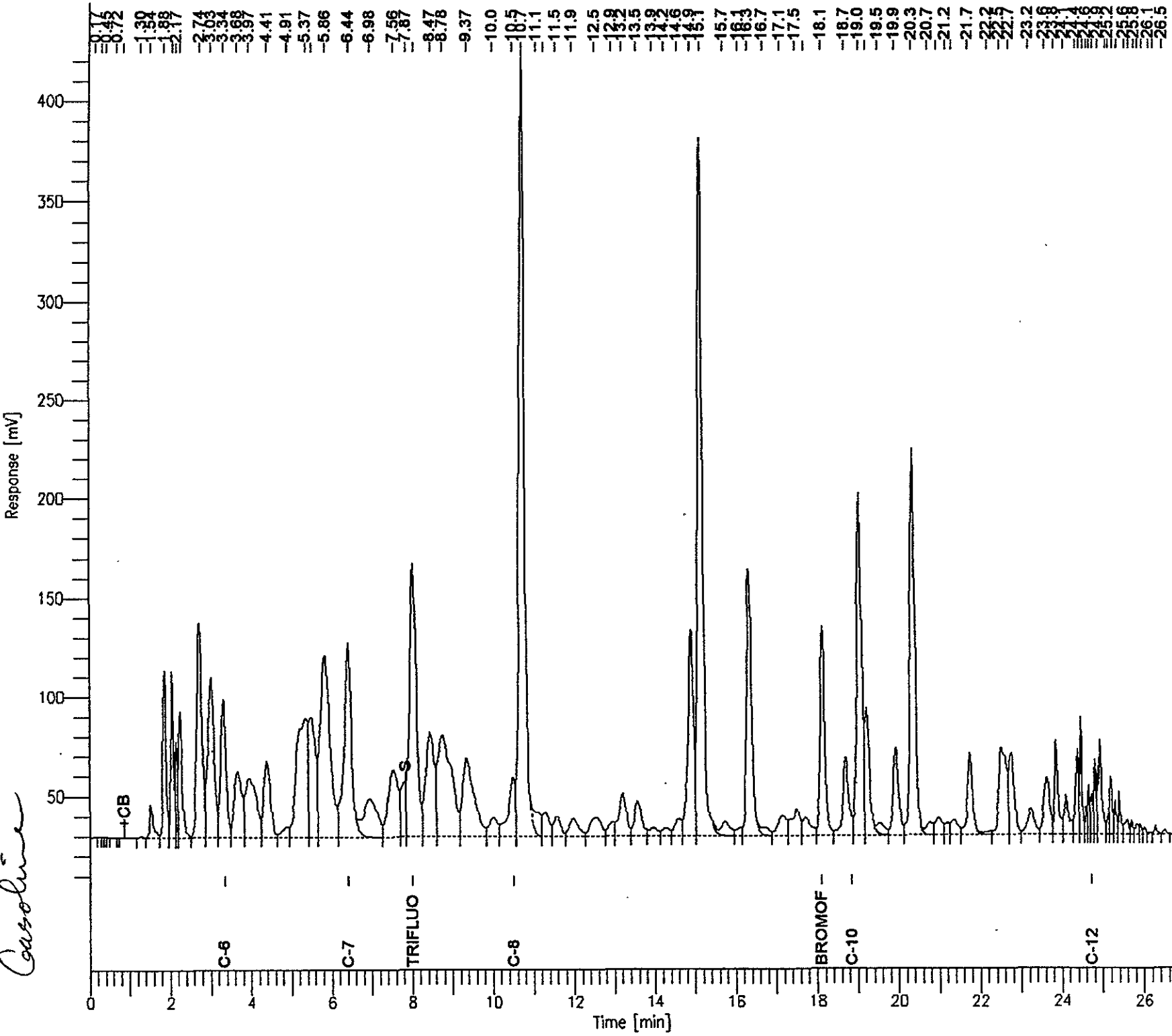
PORT 6



GC19 TVH 'X' Data File (FID)

Sample Name : CCV/LCS_GC160512_67548_01NS2019_5/5000
File Name : G:\GC19\DATA\304X003.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0
Sample #: 11/1/01 01:08 PM
Date : 11/1/01 01:08 PM
Time of Injection: 10/31/01 12:40 PM
Low Point : 9.92 mV
High Point : 424.44 mV
End Time : 26.80 min
Plot Offset: 10 mV
Plot Scale: 414.5 mV

Gasoline



GC19 TVH 'X' Data File (FID)

Sample Name : CCV,NAPTHA,67548,01WS1794,2.5/5000
 FileName : G:\GC19\DATA\304X002.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: 1.0

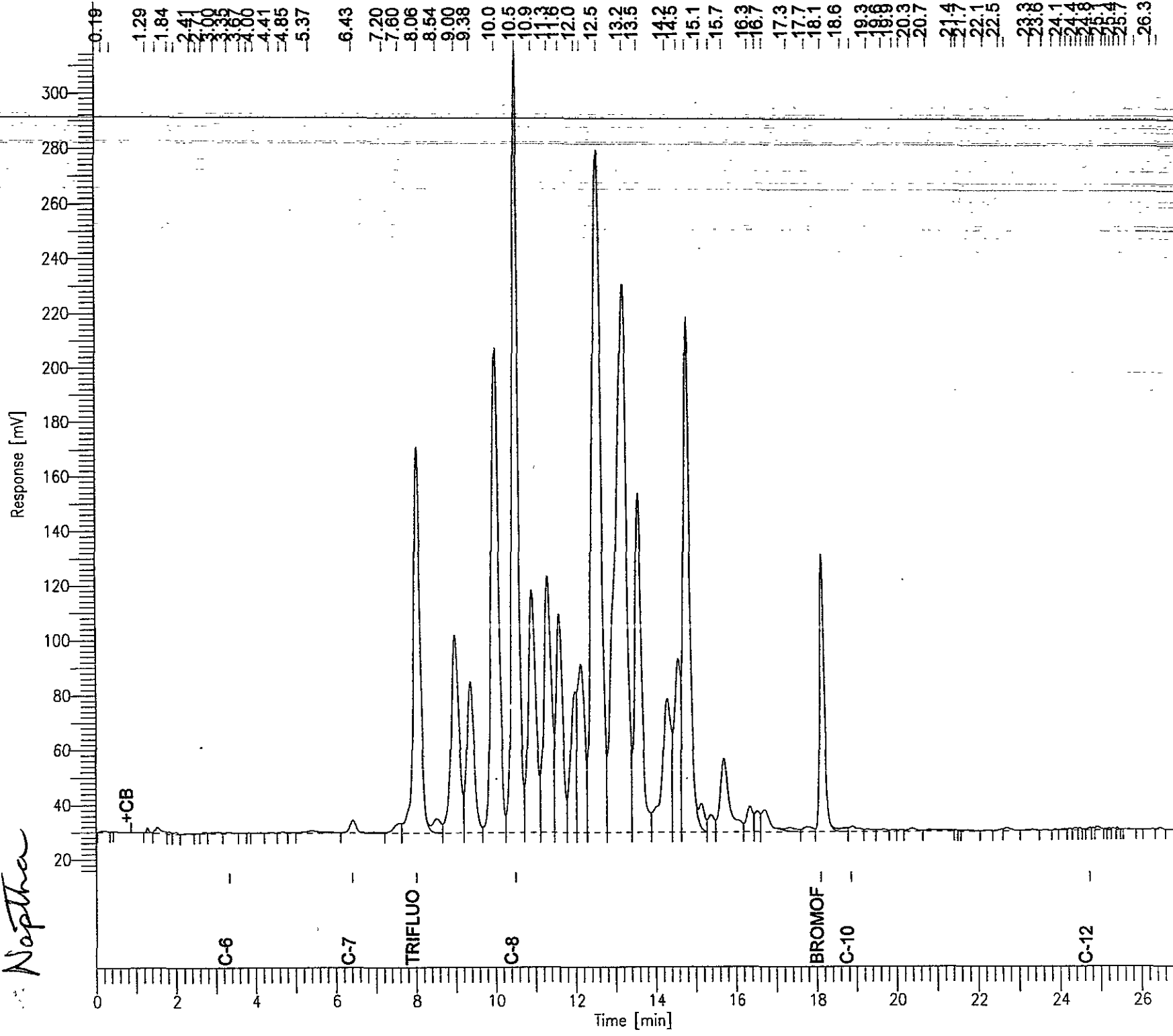
End Time : 26.80 min
 Plot Offset: 15 mV

Sample #:
 Date : 11/1/01 12:45 PM
 Time of Injection: 10/31/01 12:03 PM
 Low Point : 15.06 mV
 Plot Scale: 299.6 mV

High Point : 314.71 mV

Page 1 of 1

Naptha



Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Matrix:	Water	Sampled:	10/23/01
Units:	ug/L	Received:	10/23/01

Type:	BLANK	Batch#:	67467
Lab ID:	QC160195	Analyzed:	10/29/01
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Naphtha C7-C12	ND	50

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

Type:	BLANK	Batch#:	67548
Lab ID:	QC160511	Analyzed:	10/31/01
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Naphtha C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	87	59-135
Bromofluorobenzene (FID)	80	60-140

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range

Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC160196	Batch#:	67467
Matrix:	Water	Analyzed:	10/29/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,928	96	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	59-135
Bromofluorobenzene (FID)	101	60-140

Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC160512	Batch#:	67548
Matrix:	Water	Analyzed:	10/31/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,887	94	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	59-135
Bromofluorobenzene (FID)	94	60-140



Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	67467
MSS Lab ID:	154997-021	Sampled:	10/24/01
Matrix:	Water	Received:	10/26/01
Units:	ug/L	Analyzed:	10/29/01
Diln Fac:	1.000		

Type: MS Lab ID: QC160197

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	147.9	2,000	2,009	93	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	110	60-140

Type: MSD Lab ID: QC160198

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,978	91	65-131	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	109	60-140

Gasoline by GC/FID CA LUFT

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B (M)
Field ID:	ZZZZZZZZZZ	Batch#:	67548
MSS Lab ID:	154997-021	Sampled:	10/24/01
Matrix:	Water	Received:	10/26/01
Units:	ug/L	Analyzed:	11/01/01
Diln Fac:	1.000		

Type: MS Lab ID: QC160513

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	42.10	2,000	1,964	96	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-135
Bromofluorobenzene (FID)	107	60-140

Type: MSD Lab ID: QC160514

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,929	94	65-131	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	59-135
Bromofluorobenzene (FID)	106	60-140



Total Extractable Hydrocarbons

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	8015B(M)
Matrix:	Water	Sampled:	10/23/01
Units:	ug/L	Received:	10/23/01
Batch#:	67707	Prepared:	11/05/01

Field ID:	PORT 4	Diln Fac:	100.0
Type:	SAMPLE	Analyzed:	11/08/01
Lab ID:	154929-001		

Analyte	Result	RL
Diesel C10-C24	2,300,000 L Y	100,000
Motor Oil C24-C36	ND	600,000

Surrogate	%REC	Limite
Hexacosane	DO	44-121

Field ID:	PORT 5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/07/01
Lab ID:	154929-002		

Analyte	Result	RL
Diesel C10-C24	19,000 L Y	1,000
Motor Oil C24-C36	ND	6,000

Surrogate	%REC	Limite
Hexacosane	104	44-121

Field ID:	PORT 6	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	11/08/01
Lab ID:	154929-003		

Analyte	Result	RL
Diesel C10-C24	91,000 L Y	4,200
Motor Oil C24-C36	ND	25,000

Surrogate	%REC	Limite
Hexacosane	DO	44-121

Type:	BLANK	Analyzed:	11/08/01
Lab ID:	QC161126	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

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

Surrogate	%REC	Limite
Hexacosane	98	44-121

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard

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

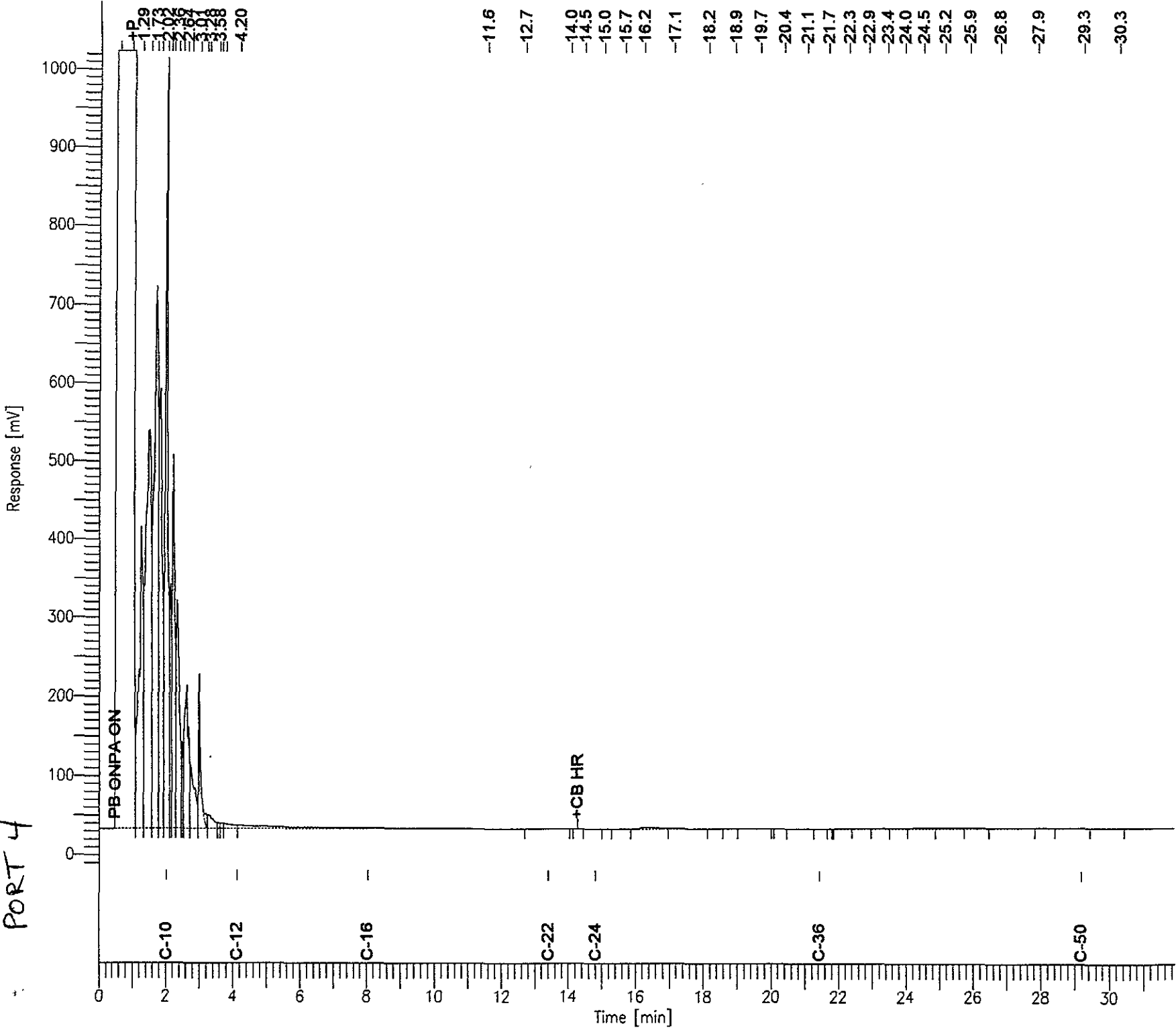
Chromatogram

4 500 11/8/01
Sample Name : 154929-001,67707
Filename : G:\GC15\CHB\308B116.RAW
Method : BTEXH309.MTH
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: 67707
Date : 11/08/2001 02:45 PM
Time of Injection: 11/08/2001 02:08 PM
Low Point : -19.30 mV
High Point : 1024.00 mV
End Time : 31.90 min
Plot Offset: -19 mV
Plot Scale: 1043.3 mV

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PORT 4



Chromatogram

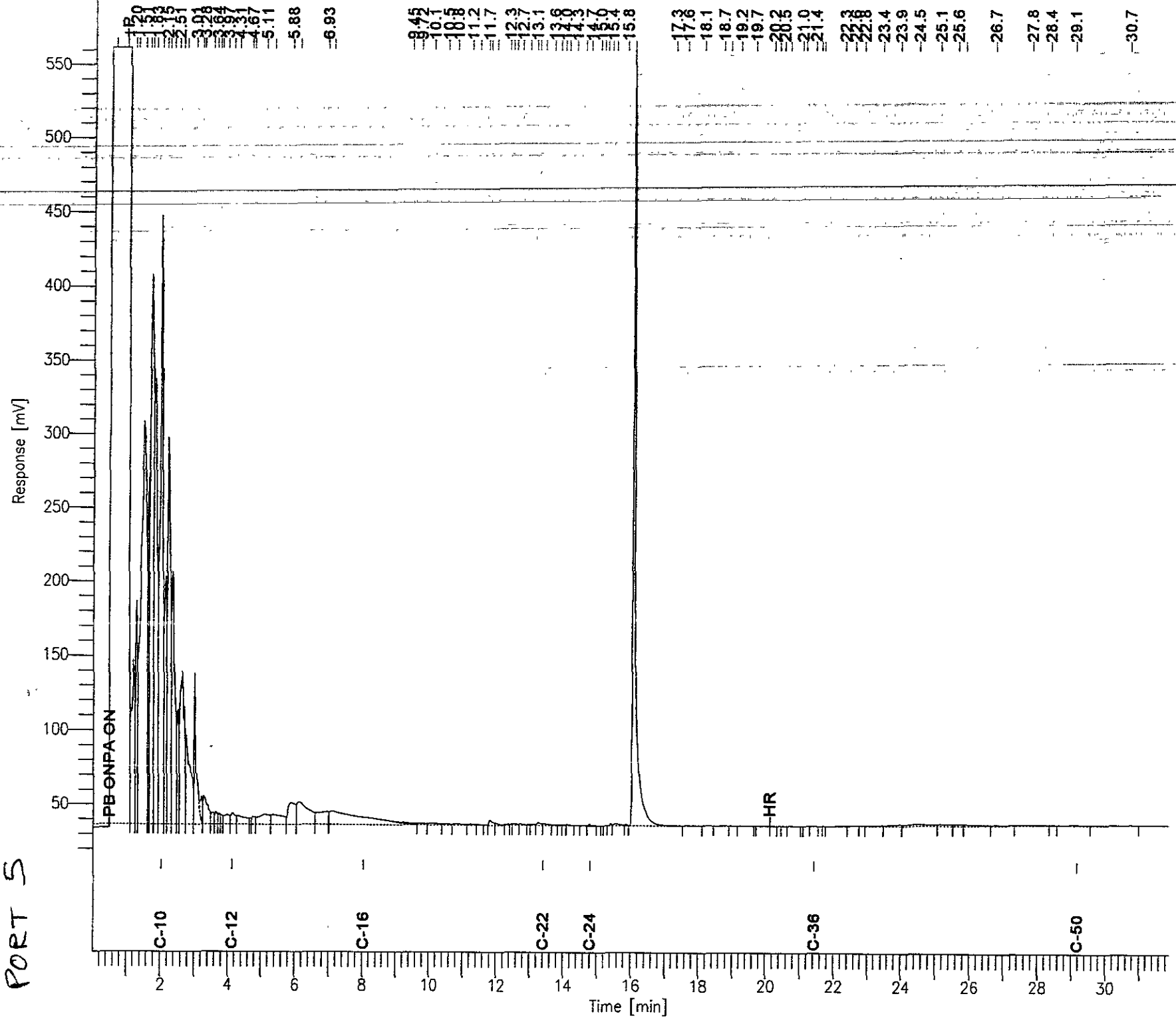
Sample Name : 154929-002, 67707
Filename : G:\GC15\CHB\308R089_RAW
Method : BTEH309.MTH
Start time : 0.01 min
Scale Factor: 0.0

N. 11/09/01

Sample #: 67707
Date : 11/08/2001 09:14 AM
Time of Injection: 11/07/2001 06:51 PM
Low Point : 12.83 mV
High Point: 562.33 mV
End Time : 31.91 min
Plot Offset: 13 mV
Plot Scale: 549.5 mV

Page 1 of 1

PORT 5



Chromatogram

4 530 11/8/01

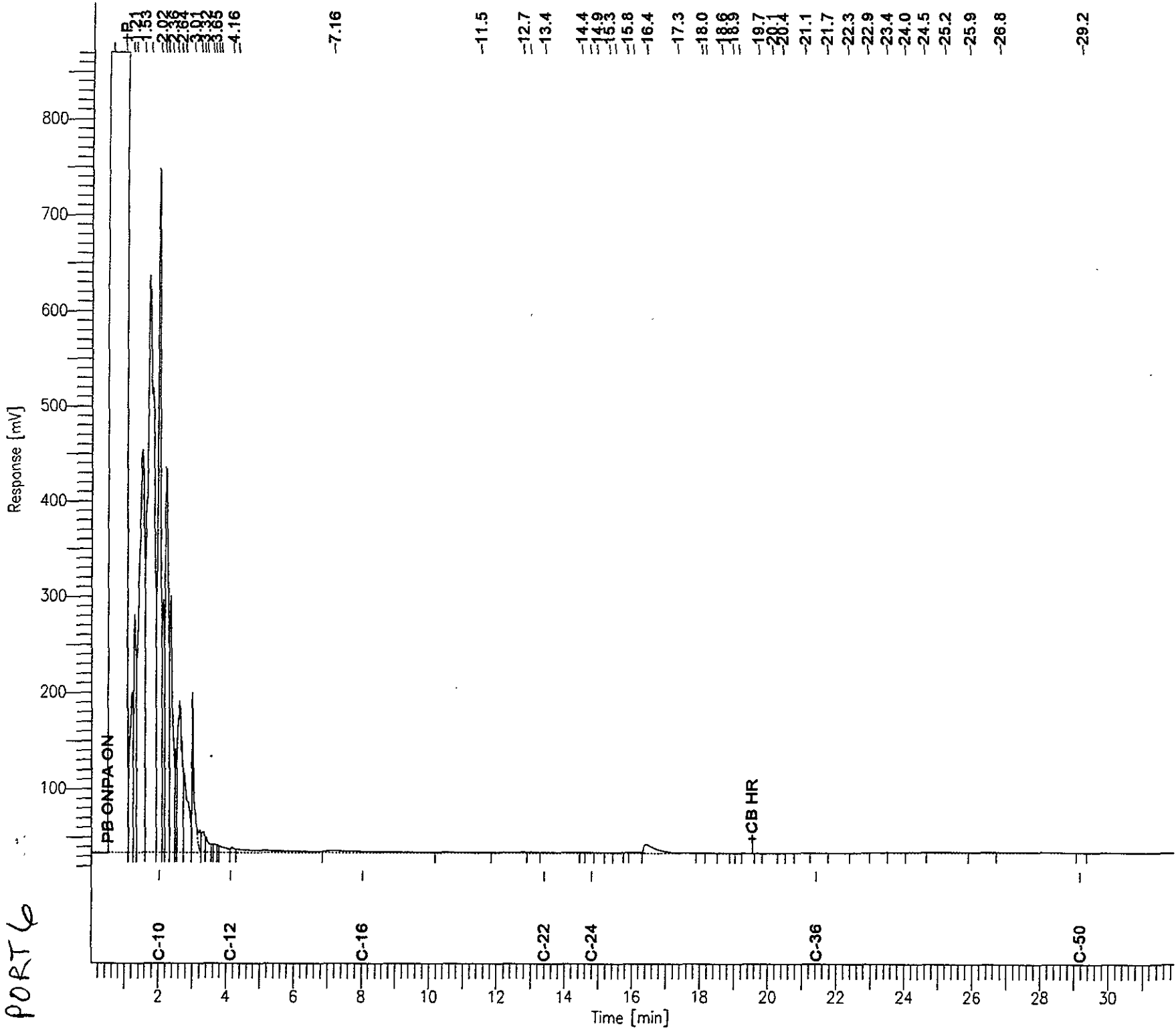
Sample Name : 150929-003, 67707
FileName : G:\GC15\CHB\308B114.RAW
Method : RTEHS09.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 15 mV

Sample #: 67707
Date : 11/08/2001 12:56 PM
Time of Injection: 11/08/2001 12:16 PM
Low Point : 15.39 mV
Plot Scale: 855.8 mV

Page 1 of 1
High Point : 871.19 mV

PORT 6



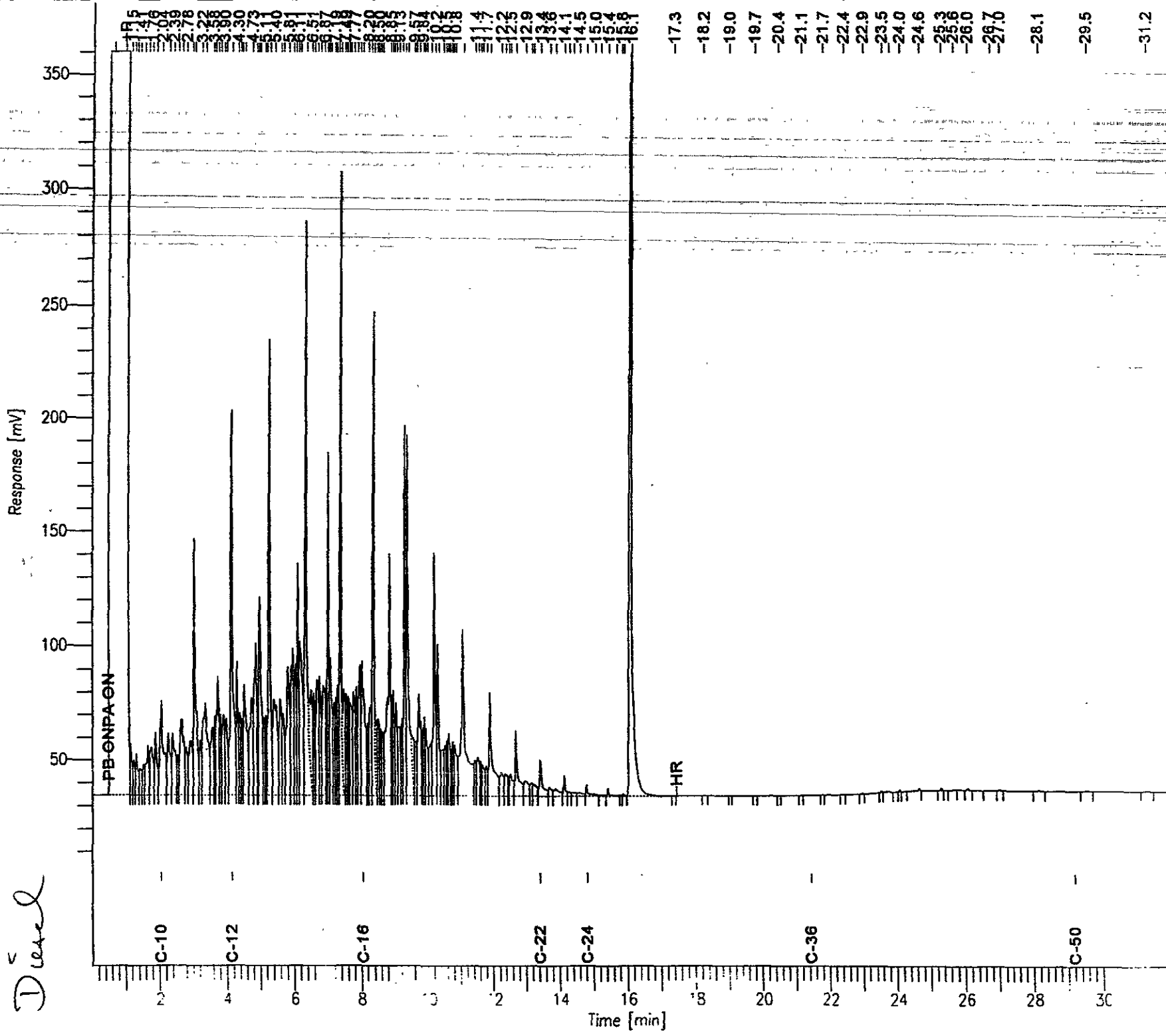
Chromatogram

Sample Name : ccv_01ws2062.dsl
FilePath : G:\GC15\CHB\308B003.RAW
Method : RTEH305.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 500mg/L
Date : 11/04/2001 05:15 PM
Time of Injection: 11/04/2001 10:55 AM
Low Point : 0.86 mV
Plot Scale: 359.2 mV
End Time : 31.91 min
Plot Offset: 1 mV
High Point : 360.08 mV

Page 1 of 1

Diesel



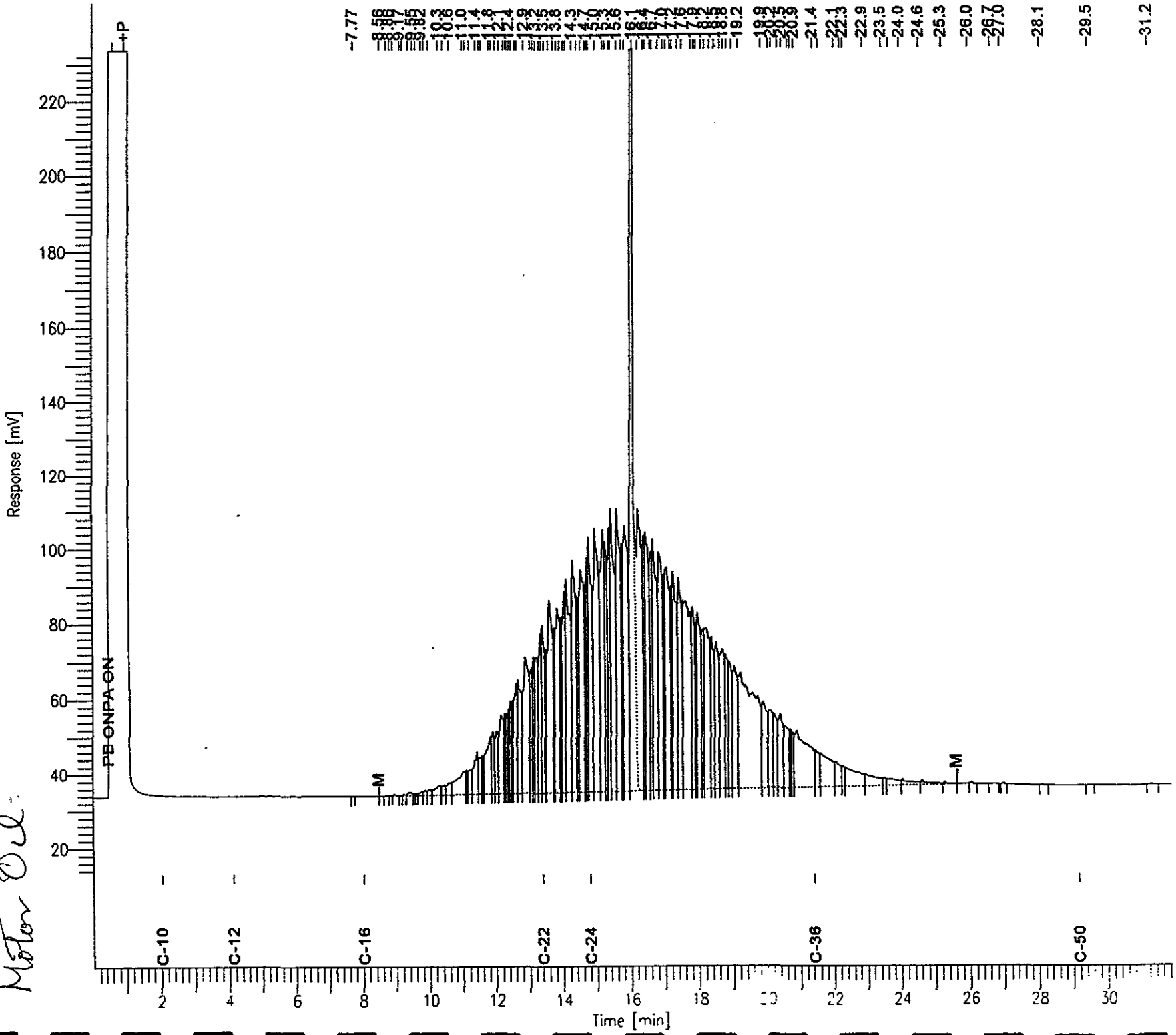
Chromatogram

Sample Name : C:\V_01\ws1939.mo
File Name : G:\GC15\CHB\308B004.RAW
Method : BTEH305.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 13 mV

Page 1 of 1
Sample #: 500mg/L
Date : 11/04/2001 05:16 PM
Time of Injection: 11/04/2001 11:35 AM
Low Point : 13.07 mV
High Point : 233.74 mV
Plot Scale: 220.7 mV

Motor Oil





Total Extractable Hydrocarbons

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	8015B (M)
Matrix:	Water	Batch#:	67707
Units:	ug/L	Prepared:	11/05/01
Diln Fac:	1.000	Analyzed:	11/08/01

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC161127

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,880	75	45-110
Surrogate	%REC	Limits		
Hexacosane	78	44-121		

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC161128

Analyte	Spiked	Result	%REC	Limits	RPD	Lim.
Diesel C10-C24	2,500	1,974	79	45-110	5	22
Surrogate	%REC	Limits				
Hexacosane	81	44-121				

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 4	Units:	ug/L
Lab ID:	154929-001	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	33	3.333	67698	11/05/01
Chloromethane	ND	3.3	3.333	67698	11/05/01
Vinyl Chloride	ND	1.7	3.333	67698	11/05/01
Bromomethane	ND	3.3	3.333	67698	11/05/01
Chloroethane	ND	3.3	3.333	67698	11/05/01
Trichlorofluoromethane	ND	1.7	3.333	67698	11/05/01
Acetone	130 b	67	3.333	67698	11/05/01
Freon 113	ND	3.3	3.333	67698	11/05/01
1,1-Dichloroethene	ND	1.7	3.333	67698	11/05/01
Methylene Chloride	ND	67	3.333	67698	11/05/01
Carbon Disulfide	ND	17	3.333	67698	11/05/01
MTBE	ND	1.7	3.333	67698	11/05/01
trans-1,2-Dichloroethene	ND	1.7	3.333	67698	11/05/01
Vinyl Acetate	ND	170	3.333	67698	11/05/01
1,1-Dichloroethane	ND	1.7	3.333	67698	11/05/01
2-Butanone	ND	33	3.333	67698	11/05/01
cis-1,2-Dichloroethene	2.4	1.7	3.333	67698	11/05/01
2,2-Dichloropropane	ND	17	3.333	67698	11/05/01
Chloroform	ND	3.3	3.333	67698	11/05/01
Bromochloromethane	ND	33	3.333	67698	11/05/01
1,1,1-Trichloroethane	ND	1.7	3.333	67698	11/05/01
1,1-Dichloropropene	ND	17	3.333	67698	11/05/01
Carbon Tetrachloride	ND	1.7	3.333	67698	11/05/01
1,2-Dichloroethane	ND	1.7	3.333	67698	11/05/01
Benzene	ND	1.7	3.333	67698	11/05/01
Trichloroethene	3.0	1.7	3.333	67698	11/05/01
1,2-Dichloropropane	ND	1.7	3.333	67698	11/05/01
Bromodichloromethane	ND	1.7	3.333	67698	11/05/01
Dibromomethane	ND	17	3.333	67698	11/05/01
4-Methyl-2-Pentanone	ND	33	3.333	67698	11/05/01
cis-1,3-Dichloropropene	ND	1.7	3.333	67698	11/05/01
Toluene	23	1.7	3.333	67698	11/05/01
trans-1,3-Dichloropropene	ND	1.7	3.333	67698	11/05/01
1,1,2-Trichloroethane	ND	1.7	3.333	67698	11/05/01
2-Hexanone	ND	33	3.333	67698	11/05/01
1,3-Dichloropropane	ND	17	3.333	67698	11/05/01
Tetrachloroethene	5.3	1.7	3.333	67698	11/05/01
Dibromochloromethane	ND	1.7	3.333	67698	11/05/01

b= See narrative

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 4	Units:	ug/L
Lab ID:	154929-001	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	17	3.333	67698	11/05/01
Chlorobenzene	ND	1.7	3.333	67698	11/05/01
1,1,1,2-Tetrachloroethane	ND	17	3.333	67698	11/05/01
Ethylbenzene	62	1.7	3.333	67698	11/05/01
m,p-Xylenes	490	1.7	3.333	67698	11/05/01
o-Xylene	350	1.7	3.333	67698	11/05/01
Styrene	ND	17	3.333	67698	11/05/01
Bromoform	ND	1.7	3.333	67698	11/05/01
Isopropylbenzene	53	17	3.333	67698	11/05/01
1,1,2,2-Tetrachloroethane	ND	1.7	3.333	67698	11/05/01
1,2,3-Trichloropropane	ND	17	3.333	67698	11/05/01
Propylbenzene	82	17	3.333	67698	11/05/01
Bromobenzene	ND	17	3.333	67698	11/05/01
1,3,5-Trimethylbenzene	400	17	3.333	67698	11/05/01
2-Chlorotoluene	ND	17	3.333	67698	11/05/01
4-Chlorotoluene	ND	17	3.333	67698	11/05/01
tert-Butylbenzene	ND	17	3.333	67698	11/05/01
1,2,4-Trimethylbenzene	1,800	130	25.00	67603	11/02/01
sec-Butylbenzene	ND	17	3.333	67698	11/05/01
para-Isopropyl Toluene	23	17	3.333	67698	11/05/01
1,3-Dichlorobenzene	ND	1.7	3.333	67698	11/05/01
1,4-Dichlorobenzene	ND	1.7	3.333	67698	11/05/01
n-Butylbenzene	18	17	3.333	67698	11/05/01
1,2-Dichlorobenzene	ND	1.7	3.333	67698	11/05/01
1,2-Dibromo-3-Chloropropane	ND	17	3.333	67698	11/05/01
1,2,4-Trichlorobenzene	ND	17	3.333	67698	11/05/01
Hexachlorobutadiene	ND	17	3.333	67698	11/05/01
Naphthalene	ND	17	3.333	67698	11/05/01
1,2,3-Trichlorobenzene	ND	17	3.333	67698	11/05/01

Surrogate	IREC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	100	80-122	3.333	67698	11/05/01
1,2-Dichloroethane-d4	96	78-123	3.333	67698	11/05/01
Toluene-d8	91	80-110	3.333	67698	11/05/01
Bromofluorobenzene	105	80-115	3.333	67698	11/05/01

b= See narrative

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 5	Batch#:	67603
Lab ID:	154929-002	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01
Units:	ug/L	Analyzed:	11/02/01
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	50
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	2.5
Acetone	810 b	100
Freon 113	ND	5.0
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	100
Carbon Disulfide	ND	25
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	250
1,1-Dichloroethane	ND	2.5
2-Butanone	270	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	25
Chloroform	ND	5.0
Bromochloromethane	ND	50
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	14	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	25
Tetrachloroethene	3.3	2.5
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	23	2.5
m,p-Xylenes	140	2.5
o-Xylene	110	2.5
Styrene	300	25
Bromoform	ND	2.5
Isopropylbenzene	ND	25
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	25
Propylbenzene	40	25
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	150	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25

b= See narrative

ND= Not Detected

RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 5	Batch#:	67603
Lab ID:	154929-002	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01
Units:	ug/L	Analyzed:	11/02/01
Diln Fac:	5.000		

Analyte	Result	RL
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	400	25
sec-Butylbenzene	ND	25
para-Isopropyl Toluene	ND	25
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	25
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	25
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	25
Naphthalene	ND	25
1,2,3-Trichlorobenzene	ND	25

Surrogate	REC	Limite
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	101	78-123
Toluene-d8	91	80-110
Bromofluorobenzene	104	80-115

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 6	Batch#:	67698
Lab ID:	154929-003	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01
Units:	ug/L	Analyzed:	11/05/01
Diln Fac:	6.250		

Analyte	Result	RL
Freon 12	ND	63
Chloromethane	ND	6.3
Vinyl Chloride	ND	3.1
Bromomethane	ND	6.3
Chloroethane	ND	6.3
Trichlorofluoromethane	ND	3.1
Acetone	520 b	130
Freon 113	ND	6.3
1,1-Dichloroethene	ND	3.1
Methylene Chloride	ND	130
Carbon Disulfide	ND	31
MTBE	ND	3.1
trans-1,2-Dichloroethene	ND	3.1
Vinyl Acetate	ND	310
1,1-Dichloroethane	ND	3.1
2-Butanone	180	63
cis-1,2-Dichloroethene	15	3.1
2,2-Dichloropropane	ND	31
Chloroform	ND	6.3
Bromochloromethane	ND	63
1,1,1-Trichloroethane	ND	3.1
1,1-Dichloropropene	ND	31
Carbon Tetrachloride	ND	3.1
1,2-Dichloroethane	ND	3.1
Benzene	ND	3.1
Trichloroethene	ND	3.1
1,2-Dichloropropane	ND	3.1
Bromodichloromethane	ND	3.1
Dibromomethane	ND	31
4-Methyl-2-Pentanone	64	63
cis-1,3-Dichloropropene	ND	3.1
Toluene	3.7	3.1
trans-1,3-Dichloropropene	ND	3.1
1,1,2-Trichloroethane	ND	3.1
2-Hexanone	ND	63
1,3-Dichloropropane	ND	31
Tetrachloroethene	ND	3.1
Dibromochloromethane	ND	3.1
1,2-Dibromoethane	ND	31
Chlorobenzene	ND	3.1
1,1,1,2-Tetrachloroethane	ND	31
Ethylbenzene	4.5	3.1
m,p-Xylenes	75	3.1
o-Xylene	86	3.1
Styrene	ND	31
Bromoform	ND	3.1
Isopropylbenzene	ND	31
1,1,2,2-Tetrachloroethane	ND	3.1
1,2,3-Trichloropropane	ND	31
Propylbenzene	ND	31
Bromobenzene	ND	31
1,3,5-Trimethylbenzene	130	31
2-Chlorotoluene	ND	31
4-Chlorotoluene	ND	31

b= See narrative
 ND= Not Detected
 RL= Reporting Limit
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Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	PORT 6	Batch#:	67698
Lab ID:	154929-003	Sampled:	10/23/01
Matrix:	Water	Received:	10/23/01
Units:	ug/L	Analyzed:	11/05/01
Diln Fac:	6.250		

Analyte	Result	RL
tert-Butylbenzene	ND	31
1,2,4-Trimethylbenzene	270	31
sec-Butylbenzene	ND	31
para-Isopropyl Toluene	ND	31
1,3-Dichlorobenzene	ND	3.1
1,4-Dichlorobenzene	ND	3.1
n-Butylbenzene	ND	31
1,2-Dichlorobenzene	ND	3.1
1,2-Dibromo-3-Chloropropane	ND	31
1,2,4-Trichlorobenzene	ND	31
Hexachlorobutadiene	ND	31
Naphthalene	ND	31
1,2,3-Trichlorobenzene	ND	31

Surrogate	REC	Limit
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	99	78-123
Toluene-d8	93	80-110
Bromofluorobenzene	96	80-115

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC160701	Batch#:	67603
Matrix:	Water	Analyzed:	11/01/01
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC160701	Batch#:	67603
Matrix:	Water	Analyzed:	11/01/01
Units:	ug/L		

Analyte	Result	RL
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	103	80-122
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	107	80-115

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC161093	Batch#:	67698
Matrix:	Water	Analyzed:	11/05/01
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS			
Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC161093	Batch#:	67698
Matrix:	Water	Analyzed:	11/05/01
Units:	ug/L		

Analyte	Result	RL
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	80-122
1,2-Dichloroethane-d4	114	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	105	80-115

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC161094	Batch#:	67698
Matrix:	Water	Analyzed:	11/05/01
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC161094	Batch#:	67698
Matrix:	Water	Analyzed:	11/05/01
Units:	ug/L		

Analyte	Result	RL
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	106	80-122
1,2-Dichloroethane-d4	101	78-123
Toluene-d8	94	80-110
Bromofluorobenzene	105	80-115

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	67603
Units:	ug/L	Analyzed:	11/01/01
Diln Fac:	1.000		

Type: BS Lab ID: QC160698

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	51.35	103	74-132
Benzene	50.00	52.71	105	80-116
Trichloroethene	50.00	46.78	94	80-119
Toluene	50.00	47.21	94	80-120
Chlorobenzene	50.00	42.94	86	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	105	80-115

Type: BSD Lab ID: QC160699

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	52.51	105	74-132	2	20
Benzene	50.00	55.41	111	80-116	5	20
Trichloroethene	50.00	47.95	96	80-119	2	20
Toluene	50.00	46.96	94	80-120	1	20
Chlorobenzene	50.00	45.02	90	80-117	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	109	80-115



Purgeable organics by GC/MS

Lab #:	154929	Location:	1137-1147 65th
Client:	Subsurface Consultants	Prep:	EPA 5030E
Project#:	STANDARD	Analysis:	EPA 8260E
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC161092	Batch#:	67698
Matrix:	Water	Analyzed:	11/05/01
Units:	ug/L		

Analyte	Spiked	Result	REC	Limits
1,1-Dichloroethene	50.00	52.55	105	74-113
Benzene	50.00	56.11	112	80-110
Trichloroethene	50.00	52.14	104	80-110
Toluene	50.00	45.75	92	80-112
Chlorobenzene	50.00	49.93	100	80-110

Surrogate	REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	94	80-110
Bromofluorobenzene	100	80-115

Purgeable Organics by GC/MS

Lab #:	154929	Location:	1137-1167 65th
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	155027-004	Batch#:	67698
Matrix:	Water	Sampled:	10/25/01
Units:	ug/L	Received:	10/26/01

Type: MS Analyzed: 11/06/01
 Lab ID: QC161095

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2700	50.00	52.54	105	70-132
Benzene	<0.2600	50.00	55.73	111	80-114
Trichloroethene	<0.2600	50.00	49.58	99	62-137
Toluene	<0.2700	50.00	48.63	97	79-121
Chlorobenzene	<0.1300	50.00	45.48	91	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	105	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	103	80-115

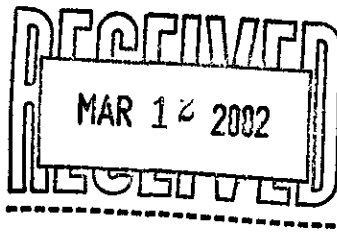
Type: MSD Analyzed: 11/05/01
 Lab ID: QC161096

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	52.77	106	70-132	8	20
Benzene	50.00	57.21	114	80-114	4	20
Trichloroethene	50.00	47.19	94	62-137	6	20
Toluene	50.00	47.11	94	79-121	1	20
Chlorobenzene	50.00	43.37	87	80-117	6	20

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

Tank Removal/Closure Test Results

Soil Stockpile Test Results



Curtis & Tompkins Ltd.

Laboratory Number: 157014
Client: **Subsurface Consultants**
Project Name: 1137-1167 65th St.

Receipt Date: 02/13/02

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for four soil samples received from the above referenced project. The samples were received cold and intact.

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recoveries for all samples except TANK-6 E. END (157014-003) were above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recoveries were acceptable, therefore, there is no effect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: The matrix spike samples were not analyzed. The concentration of analyte in the spiked sample rendered the spike amount insignificant. No other analytical problems were encountered.

Volatile Organic Compounds: The bromofluorobenzene surrogate recoveries for samples TANK-6 E. END (157014-003) and TANK-6 W. END (157014-004) were outside acceptance limits. The matrix effect was confirmed through re-analysis. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 157014

Analyses

Project No: 855603

Project Name: 1137-1147 65th St.

Project P.O.:

Turnaround Time: Standard

Sampler: E. Silverman

Report To:

Company: BCI

Telephone: 267-4417

Fax: 510-268-0000 0137

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes	
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE		
F o r a t o r y L a b o r a t o r y U s e	Tank 5 E. End 1215		X			1				Y	@ 10.0	X TPH as diesel (8015) (w/ sig) X TPH as naphtha (8015) (w/ sig) X TPH as gas (8015) (w/ sig) X VOCs (8260)
	Tank 5 W. End 1245		X			1				Y	@ 10.0	
	Tank 6 E. End 948		X			1				Y	@ 10.0	
	Tank 6 W. End 1139		Y			1				Y	@ 10.0	

Preservation Correct?
 Yes No N/A

Received On Ice
 Cold Ambient Intact

Notes:

RELINQUISHED BY:	RECEIVED BY:
<u>Quinn</u> 2/13/02 14:48 DATE/TIME	<u>[Signature]</u> 2-13-02 14:48 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Signature



Gasoline by GC/FID CA LUFT

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Basis:	as received	Received:	02/13/02
Sampled:	02/13/02		

Field ID:	TANK-5 E. END	Units:	mg/Kg
Type:	SAMPLE	Diln Fac:	400.0
Lab ID:	157014-001	Batch#:	70387
Matrix:	Soil	Analyzed:	02/26/02

Analyte	Result	RL
Gasoline C7-C12	17,000 H Y	400
Stoddard Solvent C7-C12	11,000	400
Naphtha C7-C12	8,400 H Y	400

Surrogate	REC	Limits
Trifluorotoluene (FID)	104	62-138
Bromofluorobenzene (FID)	253 *	>LR b 46-150

Field ID:	TANK-5 W. END	Units:	mg/Kg
Type:	SAMPLE	Diln Fac:	2,000
Lab ID:	157014-002	Batch#:	70317
Matrix:	Soil	Analyzed:	02/22/02

Analyte	Result	RL
Gasoline C7-C12	13,000 H Y	2,000
Stoddard Solvent C7-C12	8,400	2,000
Naphtha C7-C12	6,200 H Y	2,000

Surrogate	REC	Limits
Trifluorotoluene (FID)	99	62-138
Bromofluorobenzene (FID)	157 *	46-150

Field ID:	TANK-6 E. END	Units:	mg/Kg
Type:	SAMPLE	Diln Fac:	100.0
Lab ID:	157014-003	Batch#:	70387
Matrix:	Soil	Analyzed:	02/26/02

Analyte	Result	RL
Gasoline C7-C12	470 H Y	100
Stoddard Solvent C7-C12	300	100
Naphtha C7-C12	240 H Y	100

Surrogate	REC	Limits
Trifluorotoluene (FID)	101	62-138
Bromofluorobenzene (FID)	125	46-150

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

GC19 TVH 'X' Data File (FID)

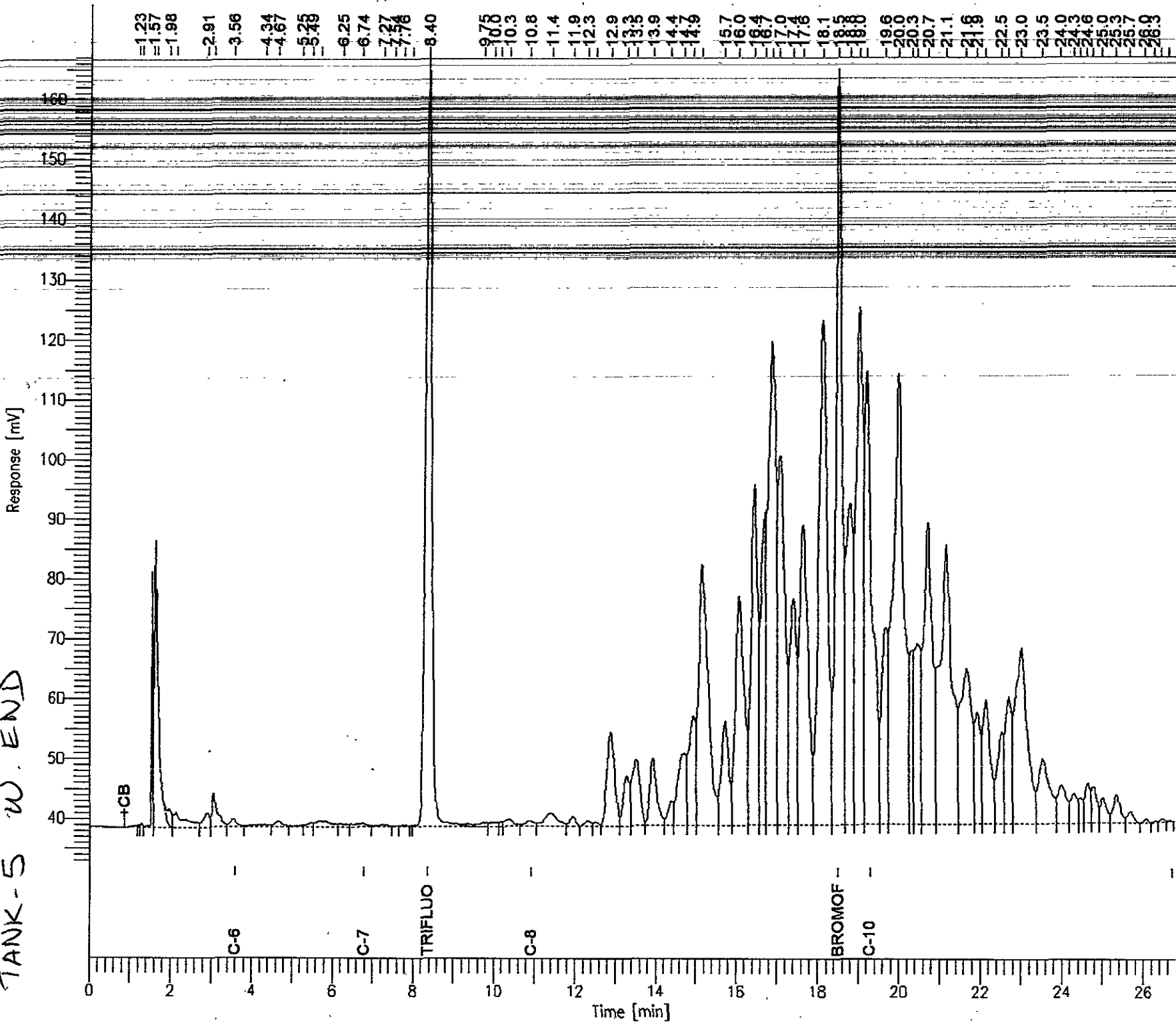
Sample Name : 157014-002,70317,tvh+stod&naphtha
 FileName : G:\GC19\DATA\052X036.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: 1.0

End Time : 26.80 min
 Plot Offset: 32 mV

Sample #: a
 Date : 2/22/02 02:14 PM
 Time of Injection: 2/22/02 01:47 PM
 Low Point : 32.09 mV
 Plot Scale: 135.6 mV

Page 1 of 1
 High Point : 167.66 mV

TANK-5 W. END



GC04 TVH 'J' Data File FID

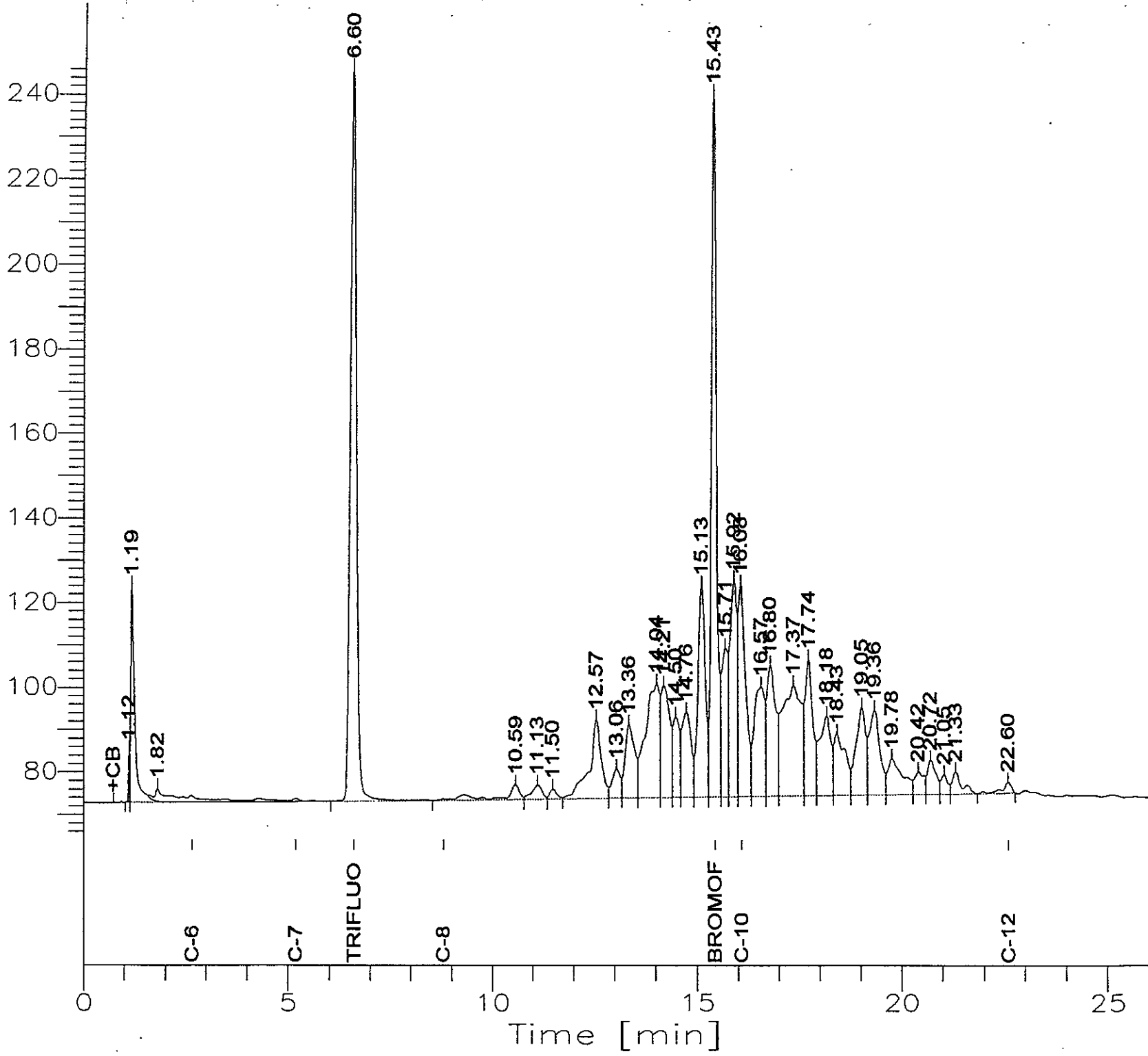
Sample Name : 157014-003,70387,tvhstoddnaphtha
 FileName : G:\GC04\DATA\056J025.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0

End Time : 26.00 min
 Plot Offset : 64 mV

Sample #: a
 Date : 2/26/02 07:58 AM
 Time of Injection: 2/26/02 03:18 AM
 Low Point : 64.02 mV
 High Point : 246.35 mV
 Plot Scale: 182.3 mV

TANK-6 E. END

Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Basis:	as received	Received:	02/13/02
Sampled:	02/13/02		

Field ID: TANK-6 W. END Units: mg/Kg
 Type: SAMPLE Diln Fac: 1,000
 Lab ID: 157014-004 Batch#: 70317
 Matrix: Soil Analyzed: 02/22/02

Analyte	Result	RL
Gasoline C7-C12	26,000 H Y	1,000
Stoddard Solvent C7-C12	17,000	1,000
Naphtha C7-C12	12,000 H Y	1,000

Surrogate	REC	Limit
Trifluorotoluene (FID)	96	62-138
Bromofluorobenzene (FID)	301 *	>IR b 46-150

Type: BLANK Diln Fac: 1.000
 Lab ID: QC171014 Batch#: 70317
 Matrix: Water Analyzed: 02/22/02
 Units: ug/L

Analyte	Result	RL
Gasoline C7-C12	ND	200
Stoddard Solvent C7-C12	ND	200
Naphtha C7-C12	ND	200

Surrogate	REC	Limit
Trifluorotoluene (FID)	103	62-138
Bromofluorobenzene (FID)	102	46-150

Type: BLANK Diln Fac: 1.000
 Lab ID: QC171262 Batch#: 70387
 Matrix: Water Analyzed: 02/26/02
 Units: ug/L

Analyte	Result	RL
Gasoline C7-C12	ND	200
Stoddard Solvent C7-C12	ND	200
Naphtha C7-C12	ND	200

Surrogate	REC	Limit
Trifluorotoluene (FID)	100	62-138
Bromofluorobenzene (FID)	119	46-150

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >IR= Response exceeds instrument's linear range

GC19 TVH 'X' Data File (FID)

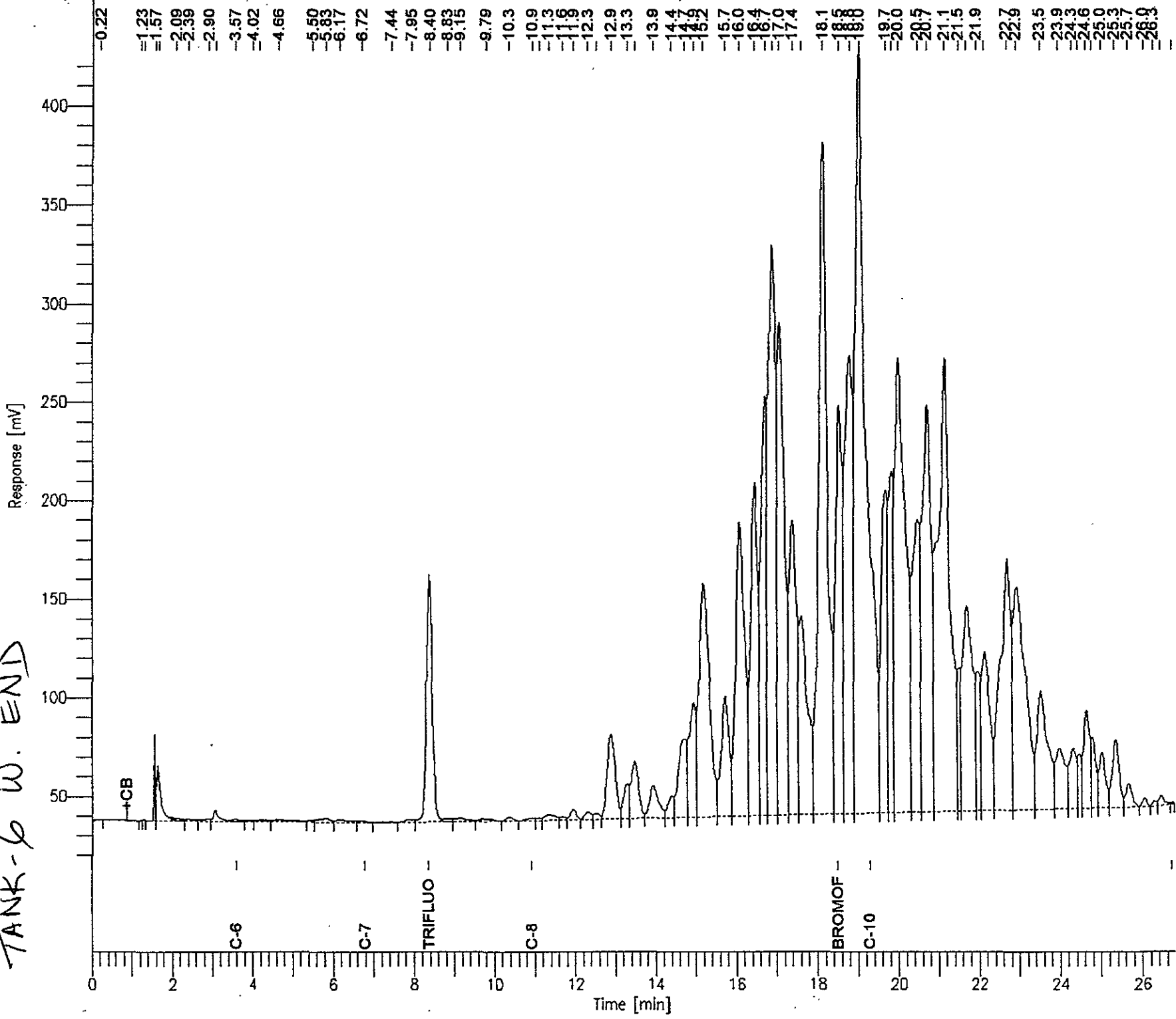
Sample Name : 157014-004,70317,tvh+stod&naphtha
Filename : G:\GC19\DATA\052X037.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.80 min
Plot Offset: 17 mV

Sample #: a
Date : 2/22/02 02:58 PM
Time of Injection: 2/22/02 02:31 PM
Low Point : 17.29 mV
Plot Scale: 411.2 mV

Page 1 of 1
High Point : 428.49 mV

TANK-6 W. END

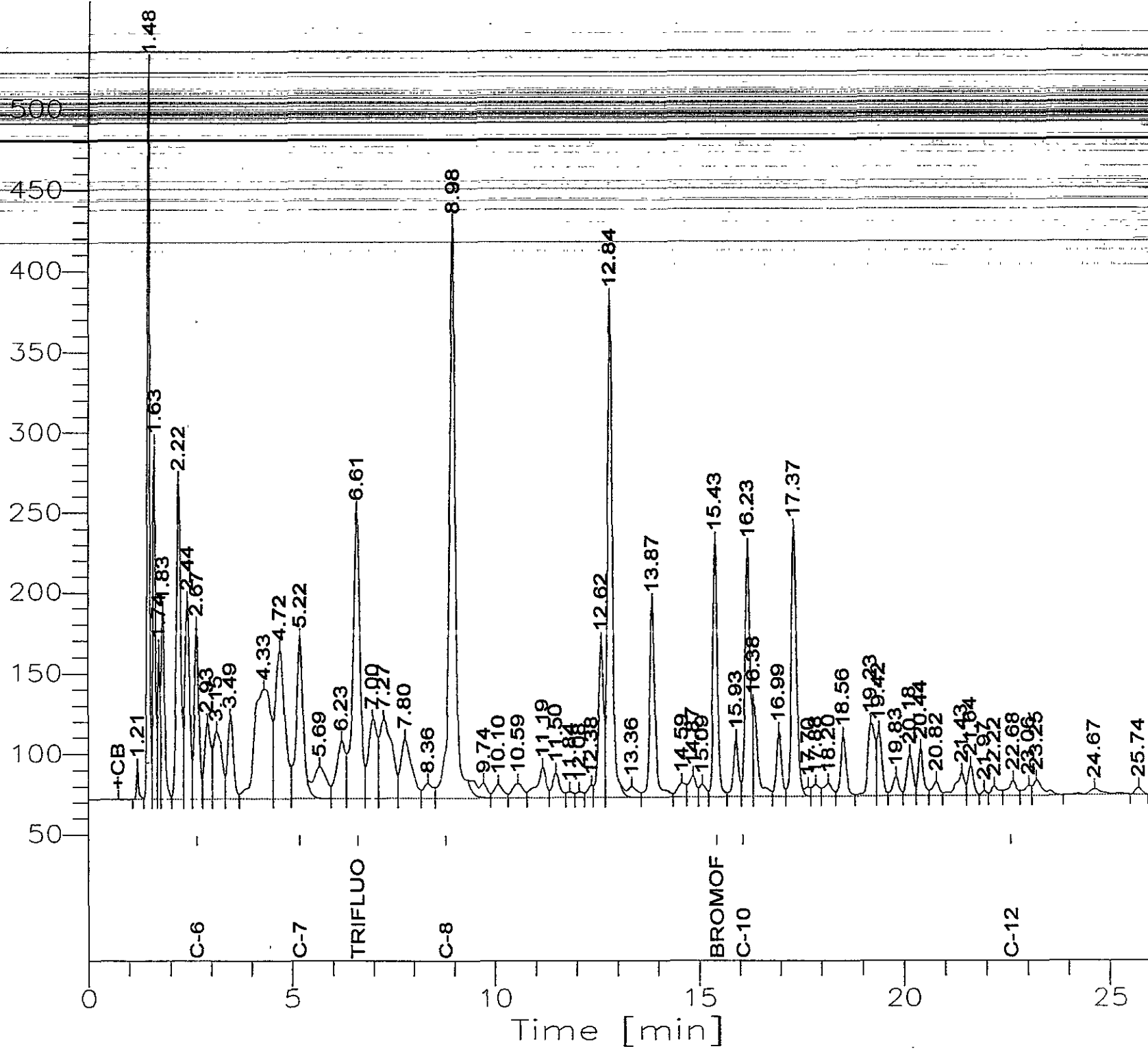


GC04 TVH 'J' Data File FID

Sample Name : ccv/bs,gc171263,70387,02ws0226,5/5000
 File Name : G:\GC04\DATA\056J019.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0
 End Time : 26.00 min
 Plot Offset: 49 mV
 Sample #: Page 1 of 1
 Date : 2/26/02 12:11 AM
 Time of Injection: 2/25/02 11:44 PM
 Low Point : 49.03 mV
 High Point : 528.18 mV
 Plot Scale: 479.1 mV

Gasoline

Response [mV]



GC19 TVH 'X' Data File (FID)

Sample Name : ccv_stodd,70317,02ws0137,5/5000
 FileName : G:\GC19\DATA\052X028.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0

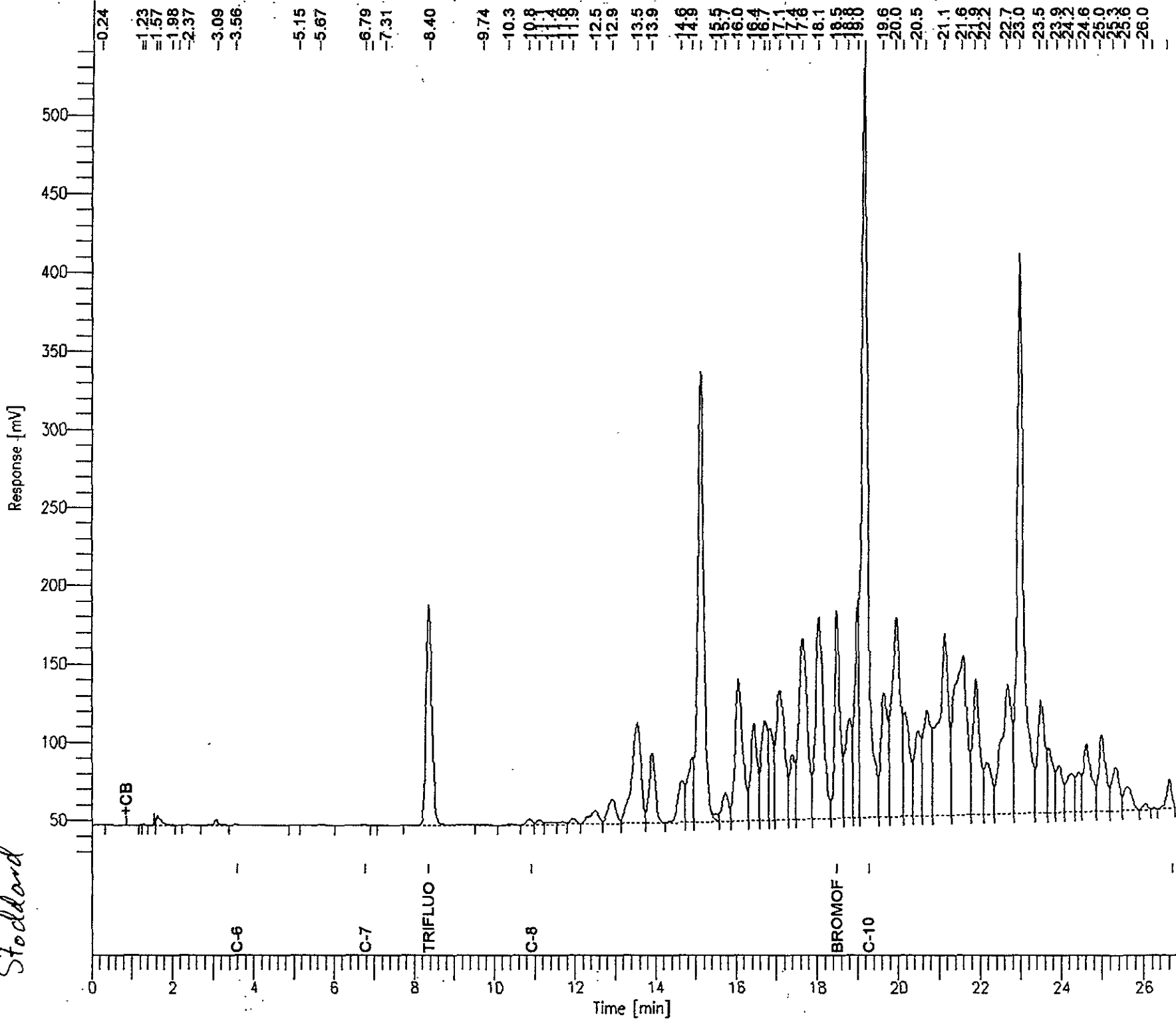
End Time : 26.80 min
 Plot Offset: 22 mV

Sample #:
 Date : 2/22/02 08:28 AM
 Time of Injection: 2/22/02 08:01 AM
 Low Point : 22.04 mV
 Plot Scale: 519.3 mV

Page 1 of 1

High Point : 541.37 mV

Stoddard



GC19 TVH 'X' Data File (FID)

Sample Name : ccv,naptha,70317,01ws1794,5/5000
FileName : G:\GC19\DATA\052X030.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

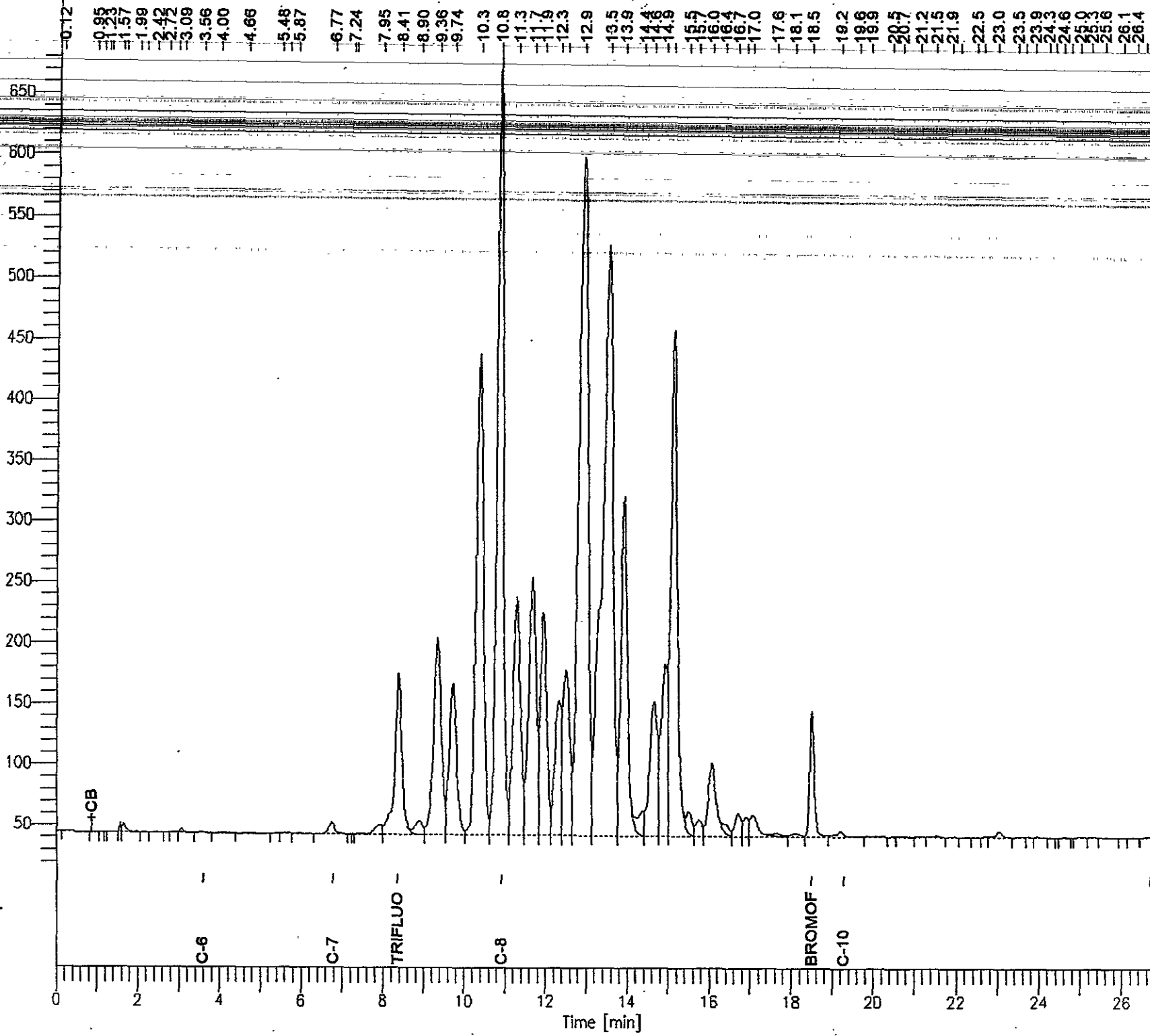
End Time : 26.60 min
Plot Offset: 10 mV

Sample #: Page 1 of 1
Date : 2/22/02 09:55 AM
Time of Injection: 2/22/02 09:28 AM
Low Point : 10.15 mV
Plot Scale: 674.4 mV

High Point : 684.54 mV

Naptha

Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Water	Batch#:	70317
Units:	ug/L	Analyzed:	02/22/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171015

Analyte	Spiked	Result	REC	Limits
Gasoline C7-C12	2,000	1,839	92	75-123

Surrogate	REC	Limits
Trifluorotoluene (FID)	111	62-138
Bromofluorobenzene (FID)	102	46-150

Type: BSD Lab ID: QC171016

Analyte	Spiked	Result	REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,884	94	75-123	2	20

Surrogate	REC	Limits
Trifluorotoluene (FID)	122	62-138
Bromofluorobenzene (FID)	112	46-150



Gasoline by GC/FID CA LUFT

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Batch#:	70387

Type: BS Analyzed: 02/25/02
 Lab ID: QC171263

Analyte	Spiked	Result	%REC	Limit
Gasoline C7-C12	2,000	2,277	114	75-120

Surrogate	%REC	Limit
Trifluorotoluene (FID)	121	62-138
Bromofluorobenzene (FID)	106	46-150

Type: BSD Analyzed: 02/26/02
 Lab ID: QC171264

Analyte	Spiked	Result	%REC	Limit	RPD	Lim
Gasoline C7-C12	2,000	2,200	110	75-120	3	20

Surrogate	%REC	Limit
Trifluorotoluene (FID)	122	62-138
Bromofluorobenzene (FID)	108	46-150

Total Extractable Hydrocarbons

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	02/13/02
Units:	mg/Kg	Received:	02/13/02
Basis:	as received	Prepared:	02/14/02
Batch#:	70135		

Field ID:	TANK-5 E. END	Diln Fac:	50.00
Type:	SAMPLE	Analyzed:	02/15/02
Lab ID:	157014-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,000 L Y	50

Surrogate	%REC	Limits
Hexacosane	DO	60-136

Field ID:	TANK-5 W. END	Diln Fac:	50.00
Type:	SAMPLE	Analyzed:	02/15/02
Lab ID:	157014-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,800 L Y	50

Surrogate	%REC	Limits
Hexacosane	DO	60-136

Field ID:	TANK-6 E. END	Diln Fac:	25.00
Type:	SAMPLE	Analyzed:	02/17/02
Lab ID:	157014-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	670 L Y	25

Surrogate	%REC	Limits
Hexacosane	DO	60-136

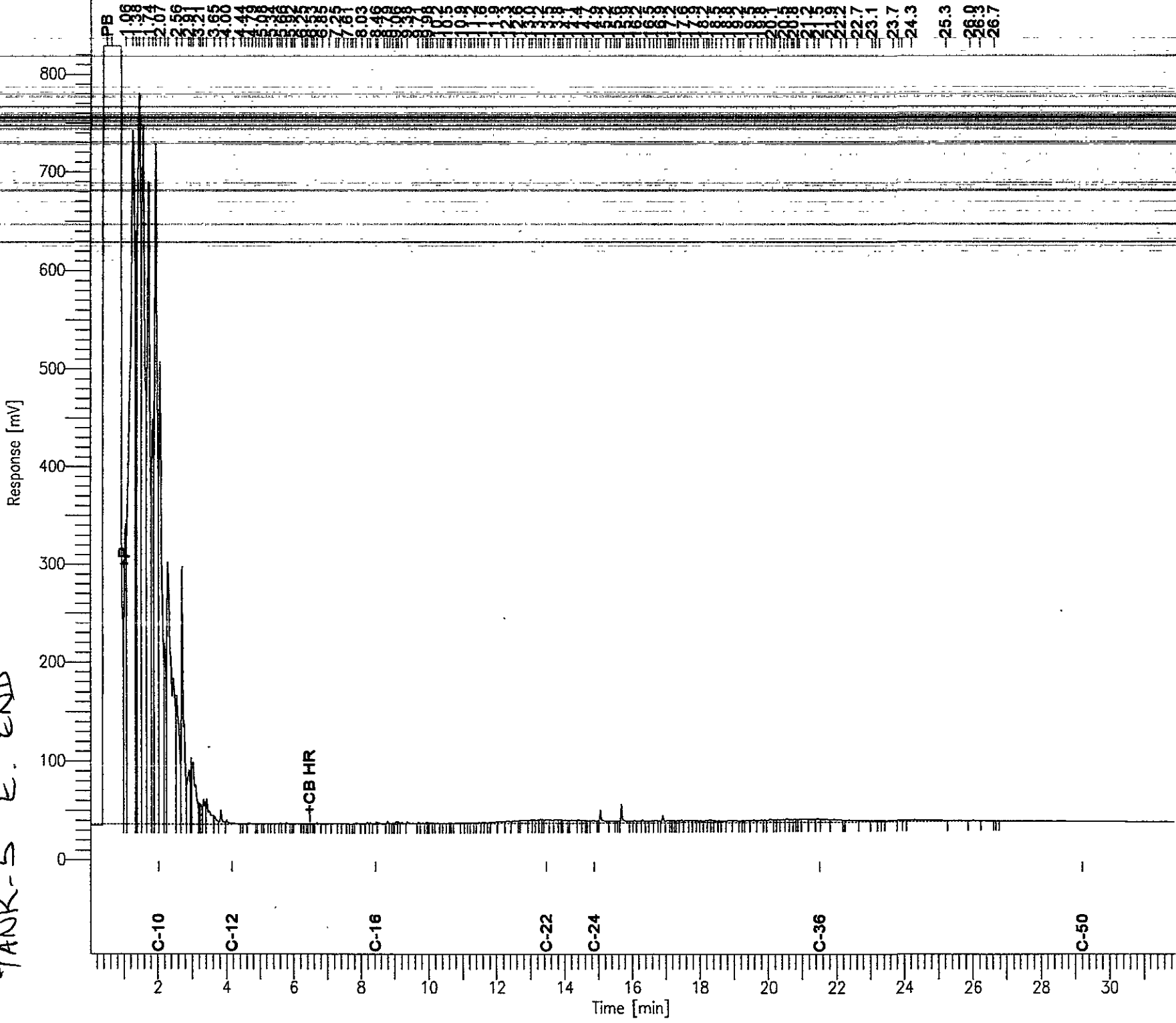
L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Chromatogram

Sample Name : 157014-001sg,70135
FileName : G:\GC15\CHR\045B035.RAW
Method : BTEH036.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Page 1 of 1
Sample #: 70135
Date : 02/16/2002 07:58 PM
Time of Injection: 02/15/2002 03:56 PM
Low Point : -1.52 mV
High Point : 829.57 mV
Plot Scale: 831.1 mV

TANK-5 E. END



PB 1.98 1.34 1.74 2.07 2.56 2.91 3.26 3.60 4.00 4.34 4.68 5.02 5.36 5.70 6.04 6.38 6.72 7.06 7.40 7.74 8.08 8.42 8.76 9.10 9.44 9.78 10.12 10.46 10.80 11.14 11.48 11.82 12.16 12.50 12.84 13.18 13.52 13.86 14.20 14.54 14.88 15.22 15.56 15.90 16.24 16.58 16.92 17.26 17.60 17.94 18.28 18.62 18.96 19.30 19.64 19.98 20.32 20.66 21.00 21.34 21.68 22.02 22.36 22.70 23.04 23.38 23.72 24.06 24.40 24.74 25.08 25.42 25.76 26.10 26.44 26.78 27.12 27.46 27.80 28.14 28.48 28.82 29.16 29.50 29.84 30.18 30.52 30.86 31.20 31.54 31.88 32.22 32.56 32.90 33.24 33.58 33.92 34.26 34.60 34.94 35.28 35.62 35.96 36.30 36.64 36.98 37.32 37.66 38.00 38.34 38.68 39.02 39.36 39.70 40.04 40.38 40.72 41.06 41.40 41.74 42.08 42.42 42.76 43.10 43.44 43.78 44.12 44.46 44.80 45.14 45.48 45.82 46.16 46.50 46.84 47.18 47.52 47.86 48.20 48.54 48.88 49.22 49.56 49.90 50.24 50.58 50.92 51.26 51.60 51.94 52.28 52.62 52.96 53.30 53.64 53.98 54.32 54.66 55.00 55.34 55.68 56.02 56.36 56.70 57.04 57.38 57.72 58.06 58.40 58.74 59.08 59.42 59.76 60.10 60.44 60.78 61.12 61.46 61.80 62.14 62.48 62.82 63.16 63.50 63.84 64.18 64.52 64.86 65.20 65.54 65.88 66.22 66.56 66.90 67.24 67.58 67.92 68.26 68.60 68.94 69.28 69.62 69.96 70.30 70.64 70.98 71.32 71.66 72.00 72.34 72.68 73.02 73.36 73.70 74.04 74.38 74.72 75.06 75.40 75.74 76.08 76.42 76.76 77.10 77.44 77.78 78.12 78.46 78.80 79.14 79.48 79.82 80.16 80.50 80.84 81.18 81.52 81.86 82.20 82.54 82.88 83.22 83.56 83.90 84.24 84.58 84.92 85.26 85.60 85.94 86.28 86.62 86.96 87.30 87.64 87.98 88.32 88.66 89.00 89.34 89.68 90.02 90.36 90.70 91.04 91.38 91.72 92.06 92.40 92.74 93.08 93.42 93.76 94.10 94.44 94.78 95.12 95.46 95.80 96.14 96.48 96.82 97.16 97.50 97.84 98.18 98.52 98.86 99.20 99.54 99.88 100.22 100.56 100.90 101.24 101.58 101.92 102.26 102.60 102.94 103.28 103.62 103.96 104.30 104.64 104.98 105.32 105.66 106.00 106.34 106.68 107.02 107.36 107.70 108.04 108.38 108.72 109.06 109.40 109.74 110.08 110.42 110.76 111.10 111.44 111.78 112.12 112.46 112.80 113.14 113.48 113.82 114.16 114.50 114.84 115.18 115.52 115.86 116.20 116.54 116.88 117.22 117.56 117.90 118.24 118.58 118.92 119.26 119.60 119.94 120.28 120.62 120.96 121.30 121.64 121.98 122.32 122.66 123.00 123.34 123.68 124.02 124.36 124.70 125.04 125.38 125.72 126.06 126.40 126.74 127.08 127.42 127.76 128.10 128.44 128.78 129.12 129.46 129.80 130.14 130.48 130.82 131.16 131.50 131.84 132.18 132.52 132.86 133.20 133.54 133.88 134.22 134.56 134.90 135.24 135.58 135.92 136.26 136.60 136.94 137.28 137.62 137.96 138.30 138.64 138.98 139.32 139.66 140.00 140.34 140.68 141.02 141.36 141.70 142.04 142.38 142.72 143.06 143.40 143.74 144.08 144.42 144.76 145.10 145.44 145.78 146.12 146.46 146.80 147.14 147.48 147.82 148.16 148.50 148.84 149.18 149.52 149.86 150.20 150.54 150.88 151.22 151.56 151.90 152.24 152.58 152.92 153.26 153.60 153.94 154.28 154.62 154.96 155.30 155.64 155.98 156.32 156.66 157.00 157.34 157.68 158.02 158.36 158.70 159.04 159.38 159.72 160.06 160.40 160.74 161.08 161.42 161.76 162.10 162.44 162.78 163.12 163.46 163.80 164.14 164.48 164.82 165.16 165.50 165.84 166.18 166.52 166.86 167.20 167.54 167.88 168.22 168.56 168.90 169.24 169.58 169.92 170.26 170.60 170.94 171.28 171.62 171.96 172.30 172.64 172.98 173.32 173.66 174.00 174.34 174.68 175.02 175.36 175.70 176.04 176.38 176.72 177.06 177.40 177.74 178.08 178.42 178.76 179.10 179.44 179.78 180.12 180.46 180.80 181.14 181.48 181.82 182.16 182.50 182.84 183.18 183.52 183.86 184.20 184.54 184.88 185.22 185.56 185.90 186.24 186.58 186.92 187.26 187.60 187.94 188.28 188.62 188.96 189.30 189.64 189.98 190.32 190.66 191.00 191.34 191.68 192.02 192.36 192.70 193.04 193.38 193.72 194.06 194.40 194.74 195.08 195.42 195.76 196.10 196.44 196.78 197.12 197.46 197.80 198.14 198.48 198.82 199.16 199.50 199.84 200.18 200.52 200.86 201.20 201.54 201.88 202.22 202.56 202.90 203.24 203.58 203.92 204.26 204.60 204.94 205.28 205.62 205.96 206.30 206.64 206.98 207.32 207.66 208.00 208.34 208.68 209.02 209.36 209.70 210.04 210.38 210.72 211.06 211.40 211.74 212.08 212.42 212.76 213.10 213.44 213.78 214.12 214.46 214.80 215.14 215.48 215.82 216.16 216.50 216.84 217.18 217.52 217.86 218.20 218.54 218.88 219.22 219.56 219.90 220.24 220.58 220.92 221.26 221.60 221.94 222.28 222.62 222.96 223.30 223.64 223.98 224.32 224.66 225.00 225.34 225.68 226.02 226.36 226.70 227.04 227.38 227.72 228.06 228.40 228.74 229.08 229.42 229.76 230.10 230.44 230.78 231.12 231.46 231.80 232.14 232.48 232.82 233.16 233.50 233.84 234.18 234.52 234.86 235.20 235.54 235.88 236.22 236.56 236.90 237.24 237.58 237.92 238.26 238.60 238.94 239.28 239.62 239.96 240.30 240.64 240.98 241.32 241.66 242.00 242.34 242.68 243.02 243.36 243.70 244.04 244.38 244.72 245.06 245.40 245.74 246.08 246.42 246.76 247.10 247.44 247.78 248.12 248.46 248.80 249.14 249.48 249.82 250.16 250.50 250.84 251.18 251.52 251.86 252.20 252.54 252.88 253.22 253.56 253.90 254.24 254.58 254.92 255.26 255.60 255.94 256.28 256.62 256.96 257.30 257.64 257.98 258.32 258.66 259.00 259.34 259.68 260.02 260.36 260.70 261.04 261.38 261.72 262.06 262.40 262.74 263.08 263.42 263.76 264.10 264.44 264.78 265.12 265.46 265.80 266.14 266.48 266.82 267.16 267.50 267.84 268.18 268.52 268.86 269.20 269.54 269.88 270.22 270.56 270.90 271.24 271.58 271.92 272.26 272.60 272.94 273.28 273.62 273.96 274.30 274.64 274.98 275.32 275.66 276.00 276.34 276.68 277.02 277.36 277.70 278.04 278.38 278.72 279.06 279.40 279.74 280.08 280.42 280.76 281.10 281.44 281.78 282.12 282.46 282.80 283.14 283.48 283.82 284.16 284.50 284.84 285.18 285.52 285.86 286.20 286.54 286.88 287.22 287.56 287.90 288.24 288.58 288.92 289.26 289.60 289.94 290.28 290.62 290.96 291.30 291.64 291.98 292.32 292.66 293.00 293.34 293.68 294.02 294.36 294.70 295.04 295.38 295.72 296.06 296.40 296.74 297.08 297.42 297.76 298.10 298.44 298.78 299.12 299.46 299.80 300.14 300.48 300.82 301.16 301.50 301.84 302.18 302.52 302.86 303.20 303.54 303.88 304.22 304.56 304.90 305.24 305.58 305.92 306.26 306.60 306.94 307.28 307.62 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356.58 356.92 357.26 357.60 357.94 358.28 358.62 358.96 359.30 359.64 359.98 360.32 360.66 361.00 361.34 361.68 362.02 362.36 362.70 363.04 363.38 363.72 364.06 364.40 364.74 365.08 365.42 365.76 366.10 366.44 366.78 367.12 367.46 367.80 368.14 368.48 368.82 369.16 369.50 369.84 370.18 370.52 370.86 371.20 371.54 371.88 372.22 372.56 372.90 373.24 373.58 373.92 374.26 374.60 374.94 375.28 375.62 375.96 376.30 376.64 376.98 377.32 377.66 378.00 378.34 378.68 379.02 379.36 379.70 380.04 380.38 380.72 381.06 381.40 381.74 382.08 382.42 382.76 383.10 383.44 383.78 384.12 384.46 384.80 385.14 385.48 385.82 386.16 386.50 386.84 387.18 387.52 387.86 388.20 388.54 388.88 389.22 389.56 389.90 390.24 390.58 390.92 391.26 391.60 391.94 392.28 392.62 392.96 393.30 393.64 393.98 394.32 394.66 395.00 395.34 395.68 396.02 396.36 396.70 397.04 397.38 397.72 398.06 398.40 398.74 399.08 399.42 399.76 400.10 400.44 400.78 401.12 401.46 401.80 402.14 402.48 402.82 403.16 403.50 403.84 404.18 404.52 404.86 405.20 405.54 405.88 406.22 406.56 406.90 407.24 407.58 407.92 408.26 408.60 408.94 409.28 409.62 409.96 410.30 410.64 410.98 411.32 411.66 412.00 412.34 412.68 413.02 413.36 413.70 414.04 414.38 414.72 415.06 415.40 415.74 416.08 416.42 416.76 417.10 417.44 417.78 418.12 418.46 418.80 419.14 419.48 419.82 420.16 420.50 420.84 421.18 421.52 421.86 422.20 422.54 422.88 423.22 423.56 423.90 424.24 424.58 424.92 425.26 425.60 425.94 426.28 426.62 426.96 427.30 427.64 427.98 428.32 428.66 429.00 429.34 429.68 430.02 430.36 430.70 431.04 431.38 431.72 432.06 432.40 432.74 433.08 433.42 433.76 434.10 434.44 434.78 435.12 435.46 435.80 436.14 436.48 436.82 437.16 437.50 437.84 438.18 438.52 438.86 439.20 439.54 439.88 440.22 440.56 440.90 441.24 441.58 441.92 442.26 442.60 442.94 443.28 443.62 443.96 444.30 444.64 444.98 445.32 445.66 446.00 446.34 446.68 447.02 447.36 447.70 448.04 448.38 448.72 449.06 449.40 449.74 450.08 450.42 450.76 451.10 451.44 451.78 452.12 452.46 452.80 453.14 453.48 453.82 454.16 454.50 454.84 455.18 455.52 455.86 456.20 456.54 456.88 457.22 457.56 457.90 458.24 458.58 458.92 459.26 459.60 459.94 460.28 460.62 460.96 461.30 461.64 461.98 462.32 462.66 463.00 463.34 463.68 464.02 464.36 464.70 465.04 465.38 465.72 466.06 466.40 466.74 467.08 467.42 467.76 468.10 468.44 468.78 469.12 469.46 469.80 470.14 470.48 470.82 471.16 471.50 471.84 472.18 472.52 472.86 473.20 473.54 473.88 474.22 474.56 474.90 475.24 475.58 475.92 476.26 476.60 476.94 477.28 477.62 477.96 478.30 478.64 478.98 479.32 479.66 480.00 480.34 480.68 481.02 481.36 481.70 482.04 482.38 482.72 483.06 483.40 483.74 484.08 484.42 484.76 485.10 485.44 485.78 486.12 486.46 486.80 487.14 487.48 487.82 488.16 488.50 488.84 489.18 489.52 489.86 490.20 490.54 490.88 491.22 491.56 491.90 492.24 492.58 492.92 493.26 493.60 493.94 494.28 494.62 494.96 495.30 495.64 495.98 496.32 496.66 497.00 497.34 497.68 498.02 498.36 498.70 499.04 499.38 499.72 500.06 500.40 500.74 501.08 501.42 501.76 502.10 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551.06 551.40 551.74 552.08 552.42 552.76 553.10 553.44 553.78 554.12 554.46 554.80 555.14 555.48 555.82 556.16 556.50 556.84 557.18 557.52 557.86 558.20 558.54 558.88 559.22 559.56 559.90 560.24 560.58 560.92 561.26 561.60 561.94 562.28 562.62 562.96 563.30 563.64 563.98 564.32 564.66 565.00 565.34 565.68 566.02 566.36 566.70 567.04 567.38 567.72 568.06 568.40 568.74 569.08 569.42 569.76 570.10 570.44 570.78 571.12 571.46 571.80 572.14 572.48 572.82 573.16 573.50 573.84 574.18 574.52 574.86 575.20 575.54 575.88 576.22 576.56 576.90 577.24 577.58 577.92 578.26 578.60 578.94 579.28 579.62 579.96 580.30 580.64 580.98 581.32 581.66 582.00 582.34 582.68 583.02 583.36 583.70 584.04 584.38 584.72 585.06 585.40 585.74 586.08 586.42 586.76 587.10 587.44 587.78 588

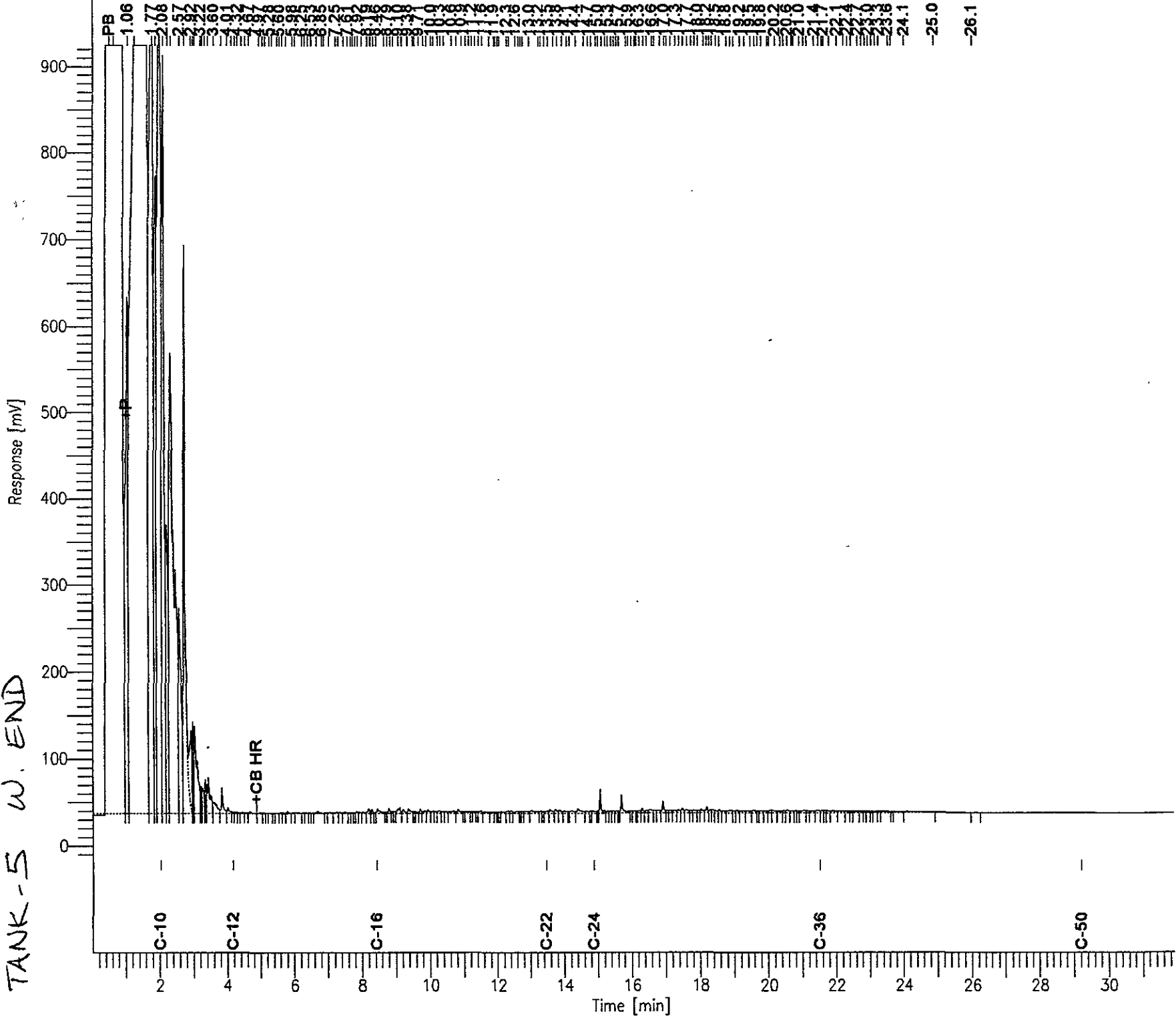
Chromatogram

Sample Name : 157014-002sg,70135
Filename : G:\GC15\CHB\045B040.RAW
Method : BTEH036.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -17 mV

Sample #: 70135
Date : 02/16/2002 08:01 PM
Time of Injection: 02/15/2002 07:19 PM
Low Point : -16.78 mV
High Point : 924.90 mV
Plot Scale: 941.7 mV

TANK-5 W. END



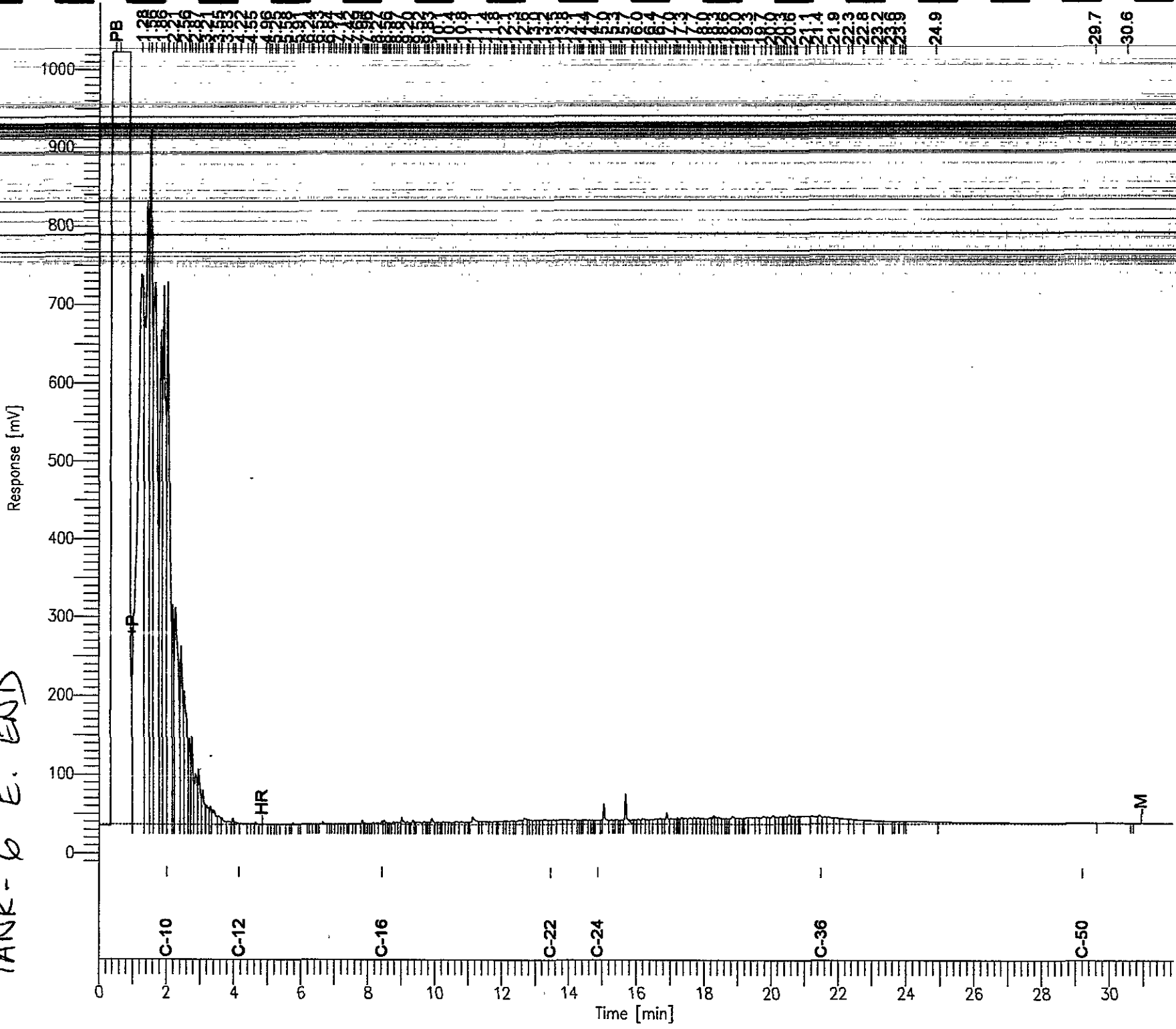
Chromatogram

Sample Name : 157014-003sg,70135
FileName : G:\GC15\CHB\047B030.RAW
Method : BTEXH036.MTH
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: 70135
Date : 02/18/2002 08:21 AM
Time of Injection: 02/17/2002 04:02 PM
Low Point : -17.02 mV
Plot Scale: 1041.0 mV

Page 1 of 1
High Point : 1024.0 mV

TANK - b E. END



PB
214
219
228
233
-24.9
-29.7
-30.6

Total Extractable Hydrocarbons

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	02/13/02
Units:	mg/Kg	Received:	02/13/02
Basis:	as received	Prepared:	02/14/02
Batch#:	70135		

Field ID:	TANK-6 W. END	Diln Fac:	50.00
Type:	SAMPLE	Analyzed:	02/15/02
Lab ID:	157014-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,500 L Y	50

Surrogate	%REC	Limits
Hexacosane	DO	60-136

Type:	BLANK	Analyzed:	02/15/02
Lab ID:	QC170354	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	62	60-136

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Chromatogram

Sample Name : 157014-004sg,70135
FileName : G:\GC15\CHB\045B041.RAW
Method : RTEH036.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -13 mV

Date : 02/16/2002 08:02 PM
Time of Injection: 02/15/2002 08:00 PM
Low Point : -13.21 mV
Plot Scale: 934.2 mV

Page 1 of 1

High Point : 920.98

TANK - 6 W. END

Response [mV]

900

800

700

600

500

400

300

200

100

0

PB

C-10

C-12

C-16

C-22

C-24

C-36

C-50

HR

Time [min]

21.9
22.3
22.9
23.5
24.0

27.4

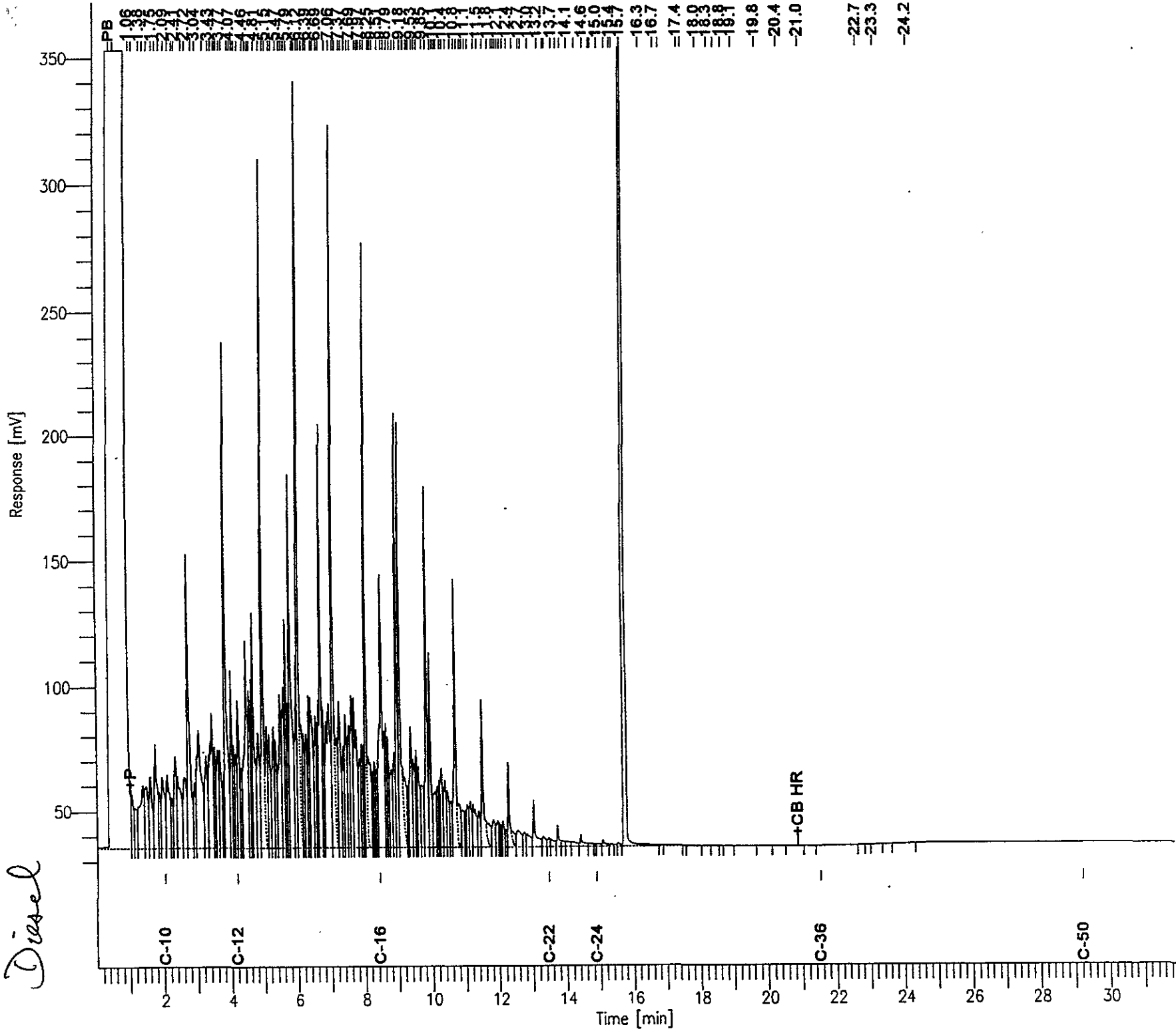
Chromatogram

Page 1 of 1

Sample #: 500mg/L
Date : 02/14/2002 02:47 PM
Time of Injection: 02/14/2002 02:08 PM
Low Point : 25.30 mV High Point : 353.14 mV
Plot Scale: 327.8 mV

Sample Name : ccv_02ws0083.dsl
File Name : G:\GC15\CHB\045B002.RAW
Method : BTER036.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Diesel





Total Extractable Hydrocarbons

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC170355	Batch#:	70135
Matrix:	Soil	Prepared:	02/14/02
Units:	mg/Kg	Analyzed:	02/15/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	SRPC	Limit
Diesel C10-C24	50.41	40.74	81	67-121

Surrogate	SRPC	Limit
Hexacosane	74	60-136

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-5 E. END	Diln Fac:	400.0
Lab ID:	157014-001	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Freon 12	ND	4,000
Chloromethane	ND	4,000
Vinyl Chloride	ND	4,000
Bromomethane	ND	4,000
Chloroethane	ND	4,000
Trichlorofluoromethane	ND	2,000
Acetone	ND	8,000
Freon 113	ND	2,000
1,1-Dichloroethene	ND	2,000
Methylene Chloride	ND	8,000
Carbon Disulfide	ND	2,000
MTBE	ND	2,000
trans-1,2-Dichloroethene	ND	2,000
Vinyl Acetate	ND	20,000
1,1-Dichloroethane	ND	2,000
2-Butanone	ND	4,000
cis-1,2-Dichloroethene	ND	2,000
2,2-Dichloropropane	ND	2,000
Chloroform	ND	2,000
Bromochloromethane	ND	2,000
1,1,1-Trichloroethane	ND	2,000
1,1-Dichloropropene	ND	2,000
Carbon Tetrachloride	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Trichloroethene	ND	2,000
1,2-Dichloropropane	ND	2,000
Bromodichloromethane	ND	2,000
Dibromomethane	ND	2,000
4-Methyl-2-Pentanone	ND	4,000
cis-1,3-Dichloropropene	ND	2,000
Toluene	ND	2,000
trans-1,3-Dichloropropene	ND	2,000
1,1,2-Trichloroethane	ND	2,000
2-Hexanone	ND	4,000
1,3-Dichloropropane	ND	2,000
Tetrachloroethene	ND	2,000

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-5 E. END	Diln Fac:	400.0
Lab ID:	157014-001	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Dibromochloromethane	ND	2,000
1,2-Dibromoethane	ND	2,000
Chlorobenzene	ND	2,000
1,1,1,2-Tetrachloroethane	ND	2,000
Ethylbenzene	ND	2,000
m,p-Xylenes	4,900	2,000
o-Xylene	3,700	2,000
Styrene	ND	2,000
Bromoform	ND	2,000
Isopropylbenzene	5,600	2,000
1,1,2,2-Tetrachloroethane	ND	2,000
1,2,3-Trichloropropane	ND	2,000
Propylbenzene	16,000	2,000
Bromobenzene	ND	2,000
1,3,5-Trimethylbenzene	25,000	2,000
2-Chlorotoluene	ND	2,000
4-Chlorotoluene	ND	2,000
tert-Butylbenzene	ND	2,000
1,2,4-Trimethylbenzene	63,000	2,000
sec-Butylbenzene	13,000	2,000
para-Isopropyl Toluene	9,900	2,000
1,3-Dichlorobenzene	ND	2,000
1,4-Dichlorobenzene	ND	2,000
n-Butylbenzene	14,000	2,000
1,2-Dichlorobenzene	ND	2,000
1,2-Dibromo-3-Chloropropane	ND	2,000
1,2,4-Trichlorobenzene	ND	2,000
Hexachlorobutadiene	ND	2,000
Naphthalene	ND	2,000
1,2,3-Trichlorobenzene	ND	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	99	63-133
1,2-Dichloroethane-d4	92	76-127
Toluene-d8	93	80-111
Bromofluorobenzene	124	77-126



Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-5 W. END	Diln Fac:	333.3
Lab ID:	157014-002	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Freon 12	ND	3,300
Chloromethane	ND	3,300
Vinyl Chloride	ND	3,300
Bromomethane	ND	3,300
Chloroethane	ND	3,300
Trichlorofluoromethane	ND	1,700
Acetone	ND	6,700
Freon 113	ND	1,700
1,1-Dichloroethene	ND	1,700
Methylene Chloride	ND	6,700
Carbon Disulfide	ND	1,700
MTBE	ND	1,700
trans-1,2-Dichloroethene	ND	1,700
Vinyl Acetate	ND	17,000
1,1-Dichloroethane	ND	1,700
2-Butanone	ND	3,300
cis-1,2-Dichloroethene	ND	1,700
2,2-Dichloropropane	ND	1,700
Chloroform	ND	1,700
Bromochloromethane	ND	1,700
1,1,1-Trichloroethane	ND	1,700
1,1-Dichloropropene	ND	1,700
Carbon Tetrachloride	ND	1,700
1,2-Dichloroethane	ND	1,700
Benzene	ND	1,700
Trichloroethene	ND	1,700
1,2-Dichloropropane	ND	1,700
Bromodichloromethane	ND	1,700
Dibromomethane	ND	1,700
4-Methyl-2-Pentanone	ND	3,300
cis-1,3-Dichloropropene	ND	1,700
Toluene	ND	1,700
trans-1,3-Dichloropropene	ND	1,700
1,1,2-Trichloroethane	ND	1,700
2-Hexanone	ND	3,300
1,3-Dichloropropane	ND	1,700
Tetrachloroethene	ND	1,700

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030E
Project#:	855.003	Analysis:	EPA 8260E
Field ID:	TANK-5 W. END	Diln Fac:	333.3
Lab ID:	157014-002	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Dibromochloromethane	ND	1,700
1,2-Dibromoethane	ND	1,700
Chlorobenzene	ND	1,700
1,1,1,2-Tetrachloroethane	ND	1,700
Ethylbenzene	ND	1,700
m,p-Xylenes	3,100	1,700
o-Xylene	2,800	1,700
Styrene	ND	1,700
Bromoform	ND	1,700
Isopropylbenzene	4,100	1,700
1,1,2,2-Tetrachloroethane	ND	1,700
1,2,3-Trichloropropane	ND	1,700
Propylbenzene	11,000	1,700
Bromobenzene	ND	1,700
1,3,5-Trimethylbenzene	17,000	1,700
2-Chlorotoluene	ND	1,700
4-Chlorotoluene	ND	1,700
tert-Butylbenzene	ND	1,700
1,2,4-Trimethylbenzene	47,000	1,700
sec-Butylbenzene	9,600	1,700
para-Isopropyl Toluene	8,200	1,700
1,3-Dichlorobenzene	ND	1,700
1,4-Dichlorobenzene	ND	1,700
n-Butylbenzene	10,000	1,700
1,2-Dichlorobenzene	ND	1,700
1,2-Dibromo-3-Chloropropane	ND	1,700
1,2,4-Trichlorobenzene	ND	1,700
Hexachlorobutadiene	ND	1,700
Naphthalene	ND	1,700
1,2,3-Trichlorobenzene	ND	1,700

Surrogate	SRRC	Limits
Dibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	107	76-127
Toluene-d8	95	80-111
Bromofluorobenzene	120	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-6 E. END	Diln Fac:	83.33
Lab ID:	157014-003	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Freon 12	ND	830
Chloromethane	ND	830
Vinyl Chloride	ND	830
Bromomethane	ND	830
Chloroethane	ND	830
Trichlorofluoromethane	ND	420
Acetone	ND	1,700
Freon 113	ND	420
1,1-Dichloroethene	ND	420
Methylene Chloride	ND	1,700
Carbon Disulfide	ND	420
MTBE	ND	420
trans-1,2-Dichloroethene	ND	420
Vinyl Acetate	ND	4,200
1,1-Dichloroethane	ND	420
2-Butanone	ND	830
cis-1,2-Dichloroethene	ND	420
2,2-Dichloropropane	ND	420
Chloroform	ND	420
Bromochloromethane	ND	420
1,1,1-Trichloroethane	ND	420
1,1-Dichloropropene	ND	420
Carbon Tetrachloride	ND	420
1,2-Dichloroethane	ND	420
Benzene	ND	420
Trichloroethene	ND	420
1,2-Dichloropropane	ND	420
Bromodichloromethane	ND	420
Dibromomethane	ND	420
4-Methyl-2-Pentanone	ND	830
cis-1,3-Dichloropropene	ND	420
Toluene	ND	420
trans-1,3-Dichloropropene	ND	420
1,1,2-Trichloroethane	ND	420
2-Hexanone	ND	830
1,3-Dichloropropane	ND	420
Tetrachloroethene	ND	420
Dibromochloromethane	ND	420
1,2-Dibromoethane	ND	420
Chlorobenzene	ND	420
1,1,1,2-Tetrachloroethane	ND	420
Ethylbenzene	ND	420
m,p-Xylenes	ND	420
o-Xylene	ND	420
Styrene	ND	420
Bromoform	ND	420
Isopropylbenzene	ND	420
1,1,2,2-Tetrachloroethane	ND	420
1,2,3-Trichloropropane	ND	420
Propylbenzene	ND	420
Bromobenzene	ND	420
1,3,5-Trimethylbenzene	1,600	420
2-Chlorotoluene	ND	420
4-Chlorotoluene	ND	420

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-6 E. END	Diln Fac:	83.33
Lab ID:	157014-003	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
tert-Butylbenzene	ND	420
1,2,4-Trimethylbenzene	2,100	420
sec-Butylbenzene	ND	420
para-Isopropyl Toluene	510	420
1,3-Dichlorobenzene	ND	420
1,4-Dichlorobenzene	ND	420
n-Butylbenzene	ND	420
1,2-Dichlorobenzene	ND	420
1,2-Dibromo-3-Chloropropane	ND	420
1,2,4-Trichlorobenzene	ND	420
Hexachlorobutadiene	ND	420
Naphthalene	ND	420
1,2,3-Trichlorobenzene	ND	420

Surrogate	#REC	Limit
Dibromofluoromethane	95	63-133
1,2-Dichloroethane-d4	97	76-127
Toluene-d8	99	80-111
Bromofluorobenzene	141 *	77-126

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-6 W. END	Diln Fac:	625.0
Lab ID:	157014-004	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
Freon 12	ND	6,300
Chloromethane	ND	6,300
Vinyl Chloride	ND	6,300
Bromomethane	ND	6,300
Chloroethane	ND	6,300
Trichlorofluoromethane	ND	3,100
Acetone	ND	13,000
Freon 113	ND	3,100
1,1-Dichloroethene	ND	3,100
Methylene Chloride	ND	13,000
Carbon Disulfide	ND	3,100
MTBE	ND	3,100
trans-1,2-Dichloroethene	ND	3,100
Vinyl Acetate	ND	31,000
1,1-Dichloroethane	ND	3,100
2-Butanone	ND	6,300
cis-1,2-Dichloroethene	ND	3,100
2,2-Dichloropropane	ND	3,100
Chloroform	ND	3,100
Bromochloromethane	ND	3,100
1,1,1-Trichloroethane	ND	3,100
1,1-Dichloropropene	ND	3,100
Carbon Tetrachloride	ND	3,100
1,2-Dichloroethane	ND	3,100
Benzene	ND	3,100
Trichloroethene	ND	3,100
1,2-Dichloropropane	ND	3,100
Bromodichloromethane	ND	3,100
Dibromomethane	ND	3,100
4-Methyl-2-Pentanone	ND	6,300
cis-1,3-Dichloropropene	ND	3,100
Toluene	ND	3,100
trans-1,3-Dichloropropene	ND	3,100
1,1,2-Trichloroethane	ND	3,100
2-Hexanone	ND	6,300
1,3-Dichloropropane	ND	3,100
Tetrachloroethene	ND	3,100
Dibromochloromethane	ND	3,100
1,2-Dibromoethane	ND	3,100
Chlorobenzene	ND	3,100
1,1,1,2-Tetrachloroethane	ND	3,100
Ethylbenzene	ND	3,100
m,p-Xylenes	ND	3,100
o-Xylene	ND	3,100
Styrene	ND	3,100
Bromoform	ND	3,100
Isopropylbenzene	8,500	3,100
1,1,2,2-Tetrachloroethane	ND	3,100
1,2,3-Trichloropropane	ND	3,100
Propylbenzene	24,000	3,100
Bromobenzene	ND	3,100
1,3,5-Trimethylbenzene	46,000	3,100
2-Chlorotoluene	ND	3,100
4-Chlorotoluene	ND	3,100

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK-6 W. END	Diln Fac:	625.0
Lab ID:	157014-004	Batch#:	70362
Matrix:	Soil	Sampled:	02/13/02
Units:	ug/Kg	Received:	02/13/02
Basis:	as received	Analyzed:	02/25/02

Analyte	Result	RL
tert-Butylbenzene	ND	3,100
1,2,4-Trimethylbenzene	100,000	3,100
sec-Butylbenzene	30,000	3,100
para-Isopropyl Toluene	27,000	3,100
1,3-Dichlorobenzene	ND	3,100
1,4-Dichlorobenzene	ND	3,100
n-Butylbenzene	ND	3,100
1,2-Dichlorobenzene	ND	3,100
1,2-Dibromo-3-Chloropropane	ND	3,100
1,2,4-Trichlorobenzene	ND	3,100
Hexachlorobutadiene	ND	3,100
Naphthalene	ND	3,100
1,2,3-Trichlorobenzene	ND	3,100

Surrogate	REC	Limits
Dibromofluoromethane	96	63-133
1,2-Dichloroethane-d4	90	76-127
Toluene-d8	93	80-111
Bromofluorobenzene	132 *	77-126

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Page 2 of 2

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171183	Batch#:	70362
Matrix:	Water	Analyzed:	02/25/02
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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1177 65th Street
Client:	Subsurface Consultants	Prep:	EPA 503 GB
Project#:	855.003	Analysis:	EPA 826 GB
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171183	Batch#:	70362
Matrix:	Water	Analyzed:	02/25/0
Units:	ug/L		

Analyte	Result	RL
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	110	63-133
1,2-Dichloroethane-d4	105	76-127
Toluene-d8	93	80-111
Bromofluorobenzene	104	77-126

Purgeable Organics by GC/MS

Lab #:	157014	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70362
Units:	ug/L	Analyzed:	02/25/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171181

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	46.09	92	66-138
Benzene	50.00	48.49	97	76-121
Trichloroethene	50.00	47.79	96	75-124
Toluene	50.00	49.27	99	75-124
Chlorobenzene	50.00	50.46	101	78-115

Surrogate	%REC	Limits
Dibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	106	76-127
Toluene-d8	95	80-111
Bromofluorobenzene	102	77-126

Type: BSD Lab ID: QC171182

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	50.24	100	66-138	9	20
Benzene	50.00	44.90	90	76-121	8	20
Trichloroethene	50.00	43.88	88	75-124	9	20
Toluene	50.00	46.03	92	75-124	7	20
Chlorobenzene	50.00	50.81	102	78-115	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	98	76-127
Toluene-d8	94	80-111
Bromofluorobenzene	99	77-126



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


Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 06-MAR-02
Lab Job Number: 157114
Project ID: 855.003
Location: 1137-1167 65th Street

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

This package may be reproduced only in its entirety.



Laboratory Number: **157114**
Client: **Subsurface Consultants**
Project Name: **1137-1167 65th St.**

Receipt Date: **02/20/02**

CASE NARRATIVE

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

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recovery for sample PIT 5/6 WATER (157114-001) was above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recovery was acceptable, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: No analytical problems were encountered.

Volatile Organic Compounds: The bromofluorobenzene surrogate recoveries for method blank QC171330 was above acceptance limits. No target compound were detected in the associated sample, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

CHAIN OF CUSTODY

157114

PROJECT NAME: 1137-1167 65th Street
 JOB NUMBER: 855.003 LAB: C&T
 PROJECT CONTACT: Jerriann Alexander TURNAROUND: Normal
 SAMPLED BY: JNA REQUESTED BY: JNA

ANALYSIS REQUESTED									
TPH-g, BTEX, MTBE (8015 and 8020)									
TPH as Diesel - using silica gel clean up (80)									
VOCs (8260)									
CAM 17 Title 22 Metals (60107000)									
Lead (6010)									
X N/A + standard + availability									

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX			CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES	
		WATER	SOIL	AIR	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY	YEAR		TIME
	Pit 5/6 water	X			2				X			X			02	20	02	1145	
					3				X			X			02	20	02	1140	
					1							X	X		02	20	02	1130	

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) <i>Jim Alexander</i>	DATE/TIME 02/20/02 1:50pm	RECEIVED BY: (Signature) <i>Pat Flynn</i>	DATE/TIME 2/20/02 1:50pm
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:

Preservation Correct?
 Yes No N/A

Received On Ice
 Cold Ambient Intact



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



Gasoline by GC/FID CA LUFT

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Field ID:	PIT 5/6 WATER	Sampled:	02/20/02
Matrix:	Water	Received:	02/20/02
Units:	ug/L	Analyzed:	02/26/02
Batch#:	70387		

Type: SAMPLE Diln Fac: 5.000
Lab ID: 157114-001

Analyte	Result	RL
Gasoline C7-C12	21,000 H Y	250
Stoddard Solvent C7-C12	13,000	250
Naphtha C7-C12	11,000 H Y	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	59-135
Bromofluorobenzene (FID)	200 *	60-140

Type: BLANK Diln Fac: 1.000
Lab ID: QC171262

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50
Naphtha C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	59-135
Bromofluorobenzene (FID)	119	60-140

*= Value outside of QC limits; see narrative

H= Heavier hydrocarbons contributed to the quantitation

Y= Sample exhibits fuel pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

GC04 TVH 'J' Data File FID

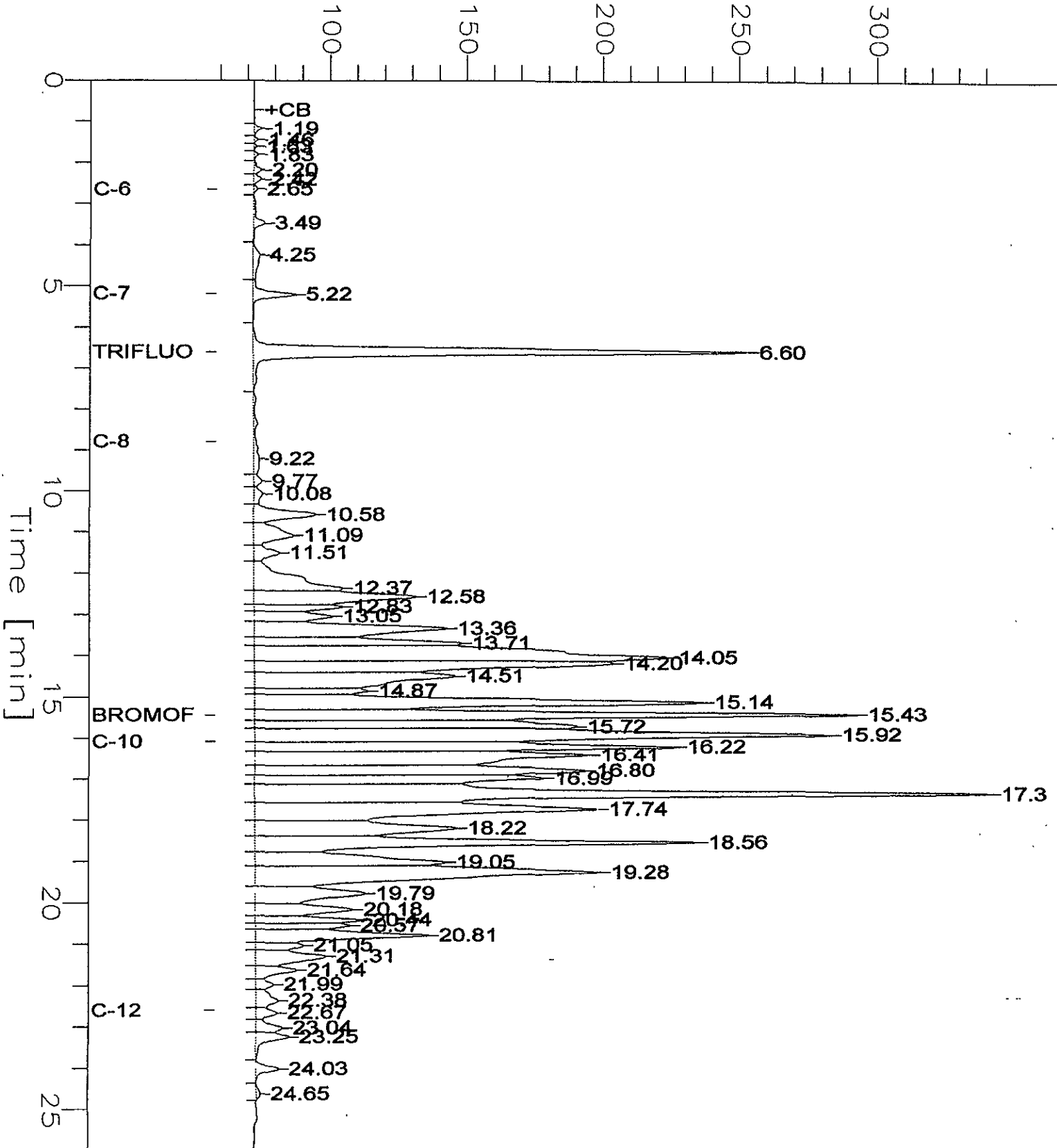
Sample Name : 157114-001,70387,tvhstodnaptha
FileName : G:\GC04\DATA\056J028.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

Sample #: a
Date : 2/26/02 07:59 AM
Time of Injection: 2/26/02 05:05 AM
Low Point : 58.48 mV
Plot Scale: 284.4 mV

Page 1 of 1

PIT 5/6 WATER

Response [mV]



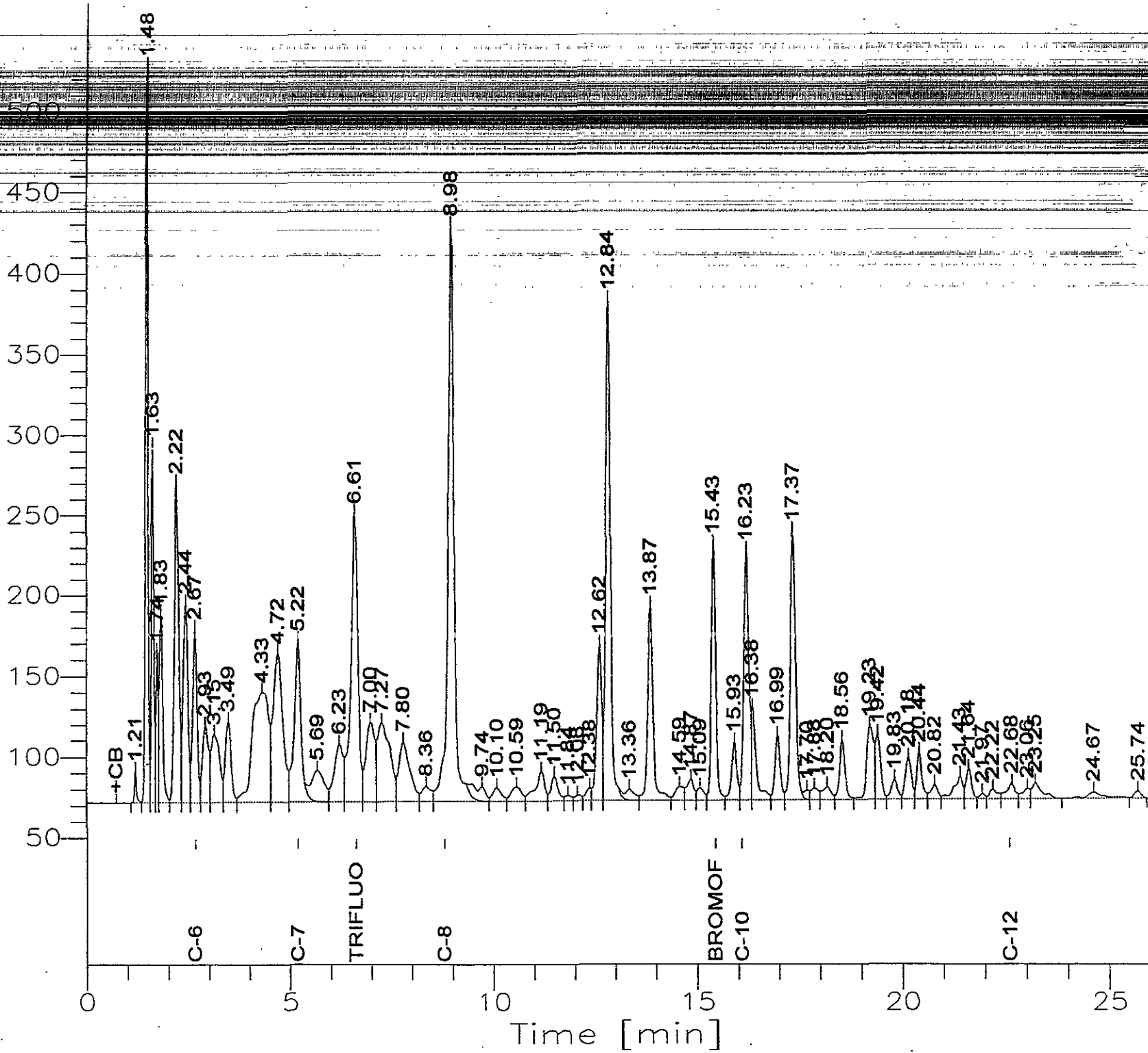
GC04 TVH 'J' Data File FID

Sample Name : ccv/bs,qcl171263,70387,02ws0226,5/5000
FileName : G:\GC04\DATA\0560019.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0
End Time : 26.00 min
Plot Offset: 49 mV

Page 1 of 1
Date : 2/26/02 12:11 AM
Time of Injection: 2/25/02 11:44 PM
Low Point : 49.03 mV
High Point : 528.18 mV
Plot Scale: 479.1 mV

Gasoline

Response [mV]



GC04 TVH 'J' Data File FID

Sample Name : ccv_stoddard,70387,02ws0137,5/5000
FileName : G:\GC04\DATA\056J016.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 55 mV

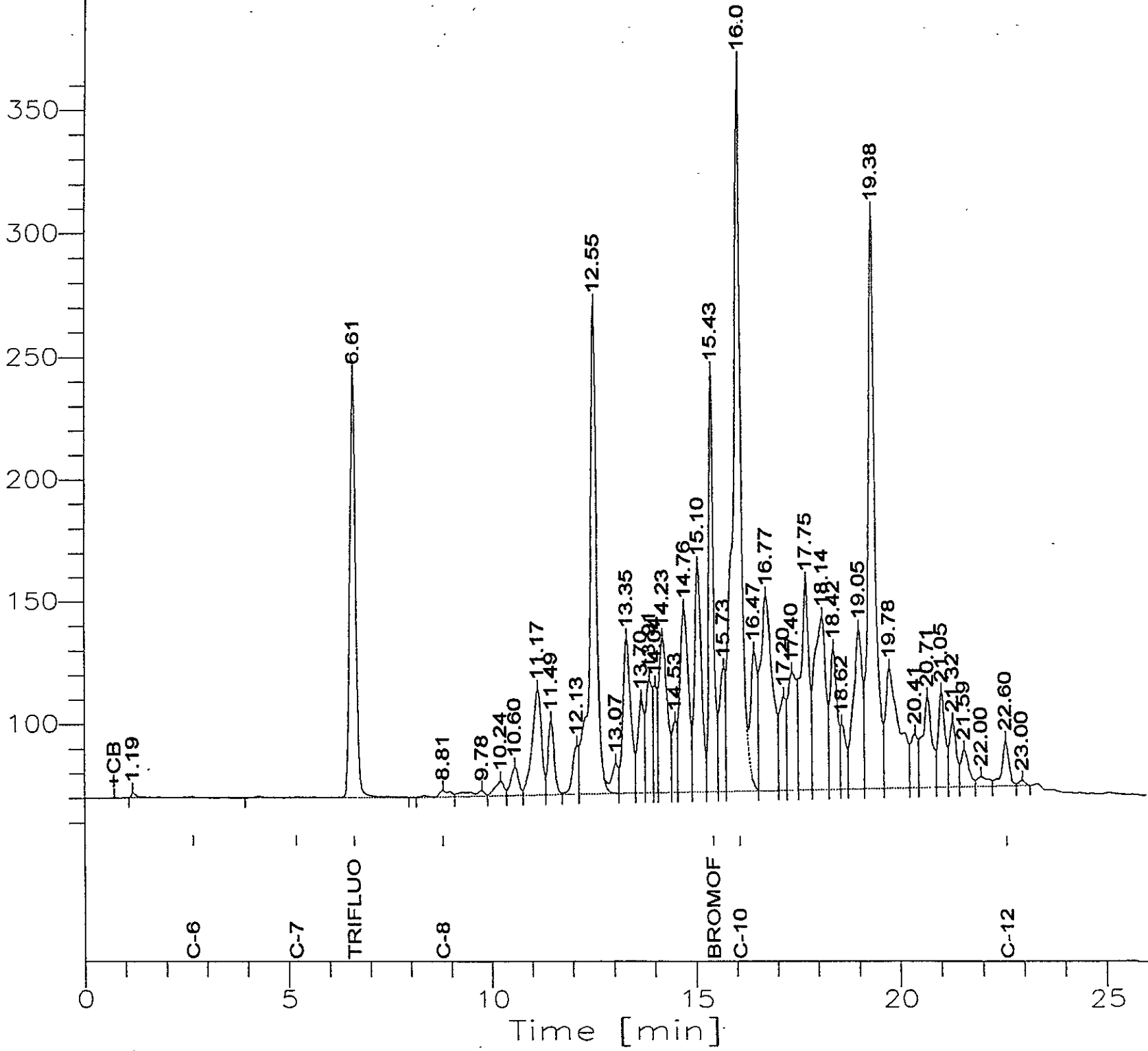
Sample #:
Date : 2/25/02 10:24 PM
Time of Injection: 2/25/02 09:58 PM
Low Point : 55.07 mV
Plot Scale: 314.5 mV

High Point : 369.62 mV

Page 1 of 1

Stoddard

Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Batch#:	70387

Type: BS Analyzed: 02/25/02
 Lab ID: QC171263

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,277	114	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	59-135
Bromofluorobenzene (FID)	106	60-140

Type: BSD Analyzed: 02/26/02
 Lab ID: QC171264

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,200	110	73-121	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	59-135
Bromofluorobenzene (FID)	108	60-140



Total Extractable Hydrocarbons			
Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Field ID:	PIT 5/6 WATER	Sampled:	02/20/02
Matrix:	Water	Received:	02/20/02
Units:	ug/L	Prepared:	02/21/02
Batch#:	70308	Analyzed:	02/26/02

Type: SAMPLE Diln Fac: 40.00
 Lab ID: 157114-001 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	94,000 L Y	2,000

Surrogate	%REC	Limits
Hexacosane	DO	44-121

Type: BLANK Diln Fac: 1.000
 Lab ID: QC170978 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	102	44-121

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

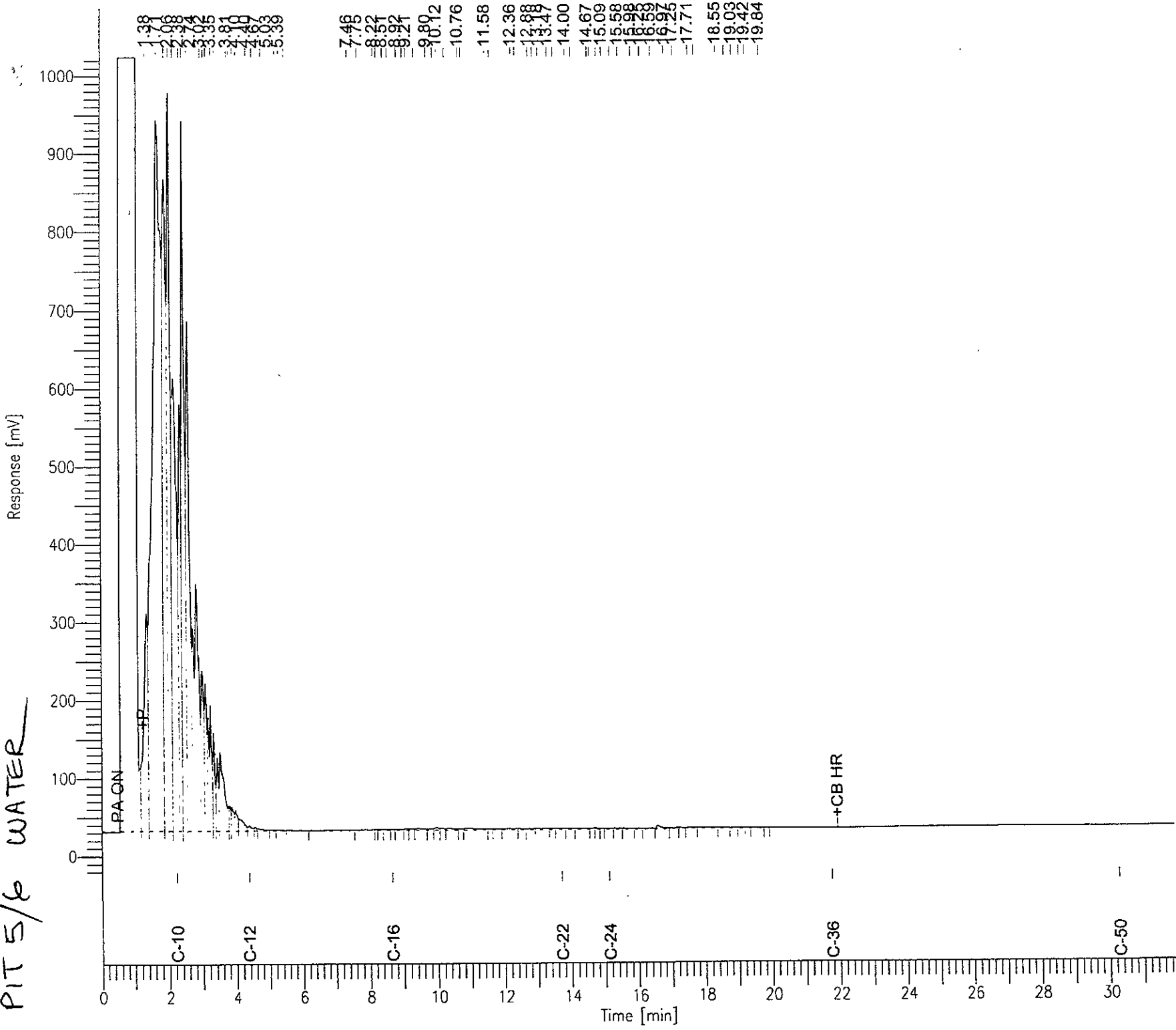
Chromatogram

Page 1 of 1

Sample #: 70308
Date : 2/26/02 05:03 PM
Time of Injection: 2/26/02 03:45 PM
Low Point : -20.89 mV
High Point : 1024.00 mV
Plot Scale: 1044.9 mV

Sample Name : 157114-001sg, 70308
FileName : G:\GC11\CHA\057A033.RAW
Method : ATEH057.MTH
Start Time : 0.00 min
Scale Factor: 0.0
End Time : 31.90 min
Plot Offset: -21 mV

PIT 5/6 WATER



Total Extractable Hydrocarbons

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC170979	Batch#:	70308
Matrix:	Water	Prepared:	02/21/02
Units:	ug/L	Analyzed:	02/25/02

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,239	90	45-110

Surrogate	%REC	Limits
Hexacosane	102	44-121



Total Extractable Hydrocarbons			
Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Field ID:	ZZZZZZZZZZ	Batch#:	70308
MSS Lab ID:	157053-001	Sampled:	02/14/02
Matrix:	Water	Received:	02/14/02
Units:	ug/L	Prepared:	02/21/02
Diln Fac:	1.000	Analyzed:	02/25/02

Type: MS Lab ID: QC170980

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	42.43	2,500	2,520	99	8-122
Surrogate	%REC	Limits			
Hexacosane	100	44-121			

Type: MSD Lab ID: QC170981

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,487	98	38-122	1	28
Surrogate	%REC	Limits				
Hexacosane	100	44-121				

Total Extractable Hydrocarbons			
Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Field ID:	ZZZZZZZZZZ	Batch#:	70308
MSS Lab ID:	157093-003	Sampled:	02/19/02
Matrix:	Water	Received:	02/20/02
Units:	ug/L	Prepared:	02/21/02
Diln Fac:	1.000	Analyzed:	02/25/02

Type: MS Lab ID: QC170982

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	163.3	2,500	2,683	101	38-122
Surrogate	%REC	Limits			
Hexacosane	106	44-121			

Type: MSD Lab ID: QC170983

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,588	97	38-122	4	28
Surrogate	%REC	Limits				
Hexacosane	105	44-121				



Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIT 5/6 WATER	Units:	ug/L
Lab ID:	157114-001	Sampled:	02/20/02
Matrix:	Water	Received:	02/20/02

Analyte	Result	RL	Diln	Pac	Batches Analyzed
Freon 12	ND	10	1.000		70362 02/26/02
Chloromethane	ND	10	1.000		70362 02/26/02
Vinyl Chloride	ND	10	1.000		70362 02/26/02
Bromomethane	ND	10	1.000		70362 02/26/02
Chloroethane	ND	10	1.000		70362 02/26/02
Trichlorofluoromethane	ND	5.0	1.000		70362 02/26/02
Acetone	23	20	1.000		70362 02/26/02
Freon 113	ND	5.0	1.000		70362 02/26/02
1,1-Dichloroethene	ND	5.0	1.000		70362 02/26/02
Methylene Chloride	ND	20	1.000		70362 02/26/02
Carbon Disulfide	ND	5.0	1.000		70362 02/26/02
MTBE	ND	5.0	1.000		70362 02/26/02
trans-1,2-Dichloroethene	ND	5.0	1.000		70362 02/26/02
Vinyl Acetate	ND	50	1.000		70362 02/26/02
1,1-Dichloroethane	ND	5.0	1.000		70362 02/26/02
2-Butanone	ND	10	1.000		70362 02/26/02
cis-1,2-Dichloroethene	ND	5.0	1.000		70362 02/26/02
2,2-Dichloropropane	ND	5.0	1.000		70362 02/26/02
Chloroform	ND	5.0	1.000		70362 02/26/02
Bromochloromethane	ND	10	1.000		70362 02/26/02
1,1,1-Trichloroethane	ND	5.0	1.000		70362 02/26/02
1,1-Dichloropropene	ND	5.0	1.000		70362 02/26/02
Carbon Tetrachloride	ND	5.0	1.000		70362 02/26/02
1,2-Dichloroethane	ND	5.0	1.000		70362 02/26/02
Benzene	47	5.0	1.000		70362 02/26/02
Trichloroethene	ND	5.0	1.000		70362 02/26/02
1,2-Dichloropropane	ND	5.0	1.000		70362 02/26/02
Bromodichloromethane	ND	5.0	1.000		70362 02/26/02
Dibromomethane	ND	5.0	1.000		70362 02/26/02
4-Methyl-2-Pentanone	ND	10	1.000		70362 02/26/02
cis-1,3-Dichloropropene	ND	5.0	1.000		70362 02/26/02
Toluene	ND	5.0	1.000		70362 02/26/02
trans-1,3-Dichloropropene	ND	5.0	1.000		70362 02/26/02
1,1,2-Trichloroethane	ND	5.0	1.000		70362 02/26/02
2-Hexanone	ND	10	1.000		70362 02/26/02
1,3-Dichloropropane	ND	5.0	1.000		70362 02/26/02
Tetrachloroethene	ND	5.0	1.000		70362 02/26/02
Dibromochloromethane	ND	5.0	1.000		70362 02/26/02
1,2-Dibromoethane	ND	5.0	1.000		70362 02/26/02

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIT 5/6 WATER	Units:	ug/L
Lab ID:	157114-001	Sampled:	02/20/02
Matrix:	Water	Received:	02/20/02

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	5.0	1.000	70362	02/26/02
1,1,1,2-Tetrachloroethane	ND	5.0	1.000	70362	02/26/02
Ethylbenzene	9.4	5.0	1.000	70362	02/26/02
m,p-Xylenes	66	5.0	1.000	70362	02/26/02
o-Xylene	48	5.0	1.000	70362	02/26/02
Styrene	ND	5.0	1.000	70362	02/26/02
Bromoform	ND	5.0	1.000	70362	02/26/02
Isopropylbenzene	44	5.0	1.000	70362	02/26/02
1,1,2,2-Tetrachloroethane	ND	5.0	1.000	70362	02/26/02
1,2,3-Trichloropropane	ND	5.0	1.000	70362	02/26/02
Propylbenzene	91	5.0	1.000	70362	02/26/02
Bromobenzene	ND	5.0	1.000	70362	02/26/02
1,3,5-Trimethylbenzene	180	5.0	1.000	70362	02/26/02
2-Chlorotoluene	ND	5.0	1.000	70362	02/26/02
4-Chlorotoluene	ND	5.0	1.000	70362	02/26/02
tert-Butylbenzene	ND	5.0	1.000	70362	02/26/02
1,2,4-Trimethylbenzene	330	20	4.000	70402	02/27/02
sec-Butylbenzene	44	5.0	1.000	70362	02/26/02
para-Isopropyl Toluene	40	5.0	1.000	70362	02/26/02
1,3-Dichlorobenzene	ND	5.0	1.000	70362	02/26/02
1,4-Dichlorobenzene	ND	5.0	1.000	70362	02/26/02
n-Butylbenzene	40	5.0	1.000	70362	02/26/02
1,2-Dichlorobenzene	ND	5.0	1.000	70362	02/26/02
1,2-Dibromo-3-Chloropropane	ND	5.0	1.000	70362	02/26/02
1,2,4-Trichlorobenzene	ND	5.0	1.000	70362	02/26/02
Hexachlorobutadiene	ND	5.0	1.000	70362	02/26/02
Naphthalene	ND	5.0	1.000	70362	02/26/02
1,2,3-Trichlorobenzene	ND	5.0	1.000	70362	02/26/02

Surrogate	SRAC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	108	80-122	1.000	70362	02/26/02
1,2-Dichloroethane-d4	113	78-123	1.000	70362	02/26/02
Toluene-d8	95	80-110	1.000	70362	02/26/02
Bromofluorobenzene	105	80-115	1.000	70362	02/26/02



Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171184	Batch#:	70362
Matrix:	Water	Analyzed:	02/25/02
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Page 1 of 2

Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171184	Batch#:	70362
Matrix:	Water	Analyzed:	02/25/02
Units:	ug/L		

Analyte	Result	RI
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	80-122
1,2-Dichloroethane-d4	96	78-123
Toluene-d8	95	80-110
Bromofluorobenzene	103	80-115

Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137 11th St. S. E.
Client:	Subsurface Consultants	Prep:	EPA 6030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171330	Batch#:	70402
Matrix:	Water	Analyzed:	02/26/05
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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171330	Batch#:	70402
Matrix:	Water	Analyzed:	02/26/02
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	108	80-122
1,2-Dichloroethane-d4	113	78-123
Toluene-d8	95	80-110
Bromofluorobenzene	120 *	80-115

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1157 58th Street
Client:	Subsurface Consultants	Prep:	EPA 5030E
Project#:	855.003	Analysis:	EPA 8260E
Matrix:	Water	Batch#:	70362
Units:	ug/L	Analyzed:	02/25/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171181

Analyte	Spiked	Result	REC	Limit
1,1-Dichloroethene	50.00	46.09	92	74-132
Benzene	50.00	48.49	97	80-116
Trichloroethene	50.00	47.79	96	80-119
Toluene	50.00	49.27	99	80-120
Chlorobenzene	50.00	50.46	100	80-117

Surrogate	%REC	Limit
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	95	80-110
Bromofluorobenzene	102	80-115

Type: BSD Lab ID: QC171182

Analyte	Spiked	Result	REC	Limit	RPD
1,1-Dichloroethene	50.00	50.24	100	74-132	20
Benzene	50.00	44.90	90	80-116	20
Trichloroethene	50.00	43.88	88	80-119	20
Toluene	50.00	46.03	92	80-120	20
Chlorobenzene	50.00	50.81	102	80-117	20

Surrogate	%REC	Limit
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	98	78-123
Toluene-d8	94	80-110
Bromofluorobenzene	99	80-115

Purgeable Organics by GC/MS

Lab #:	157114	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	70402
Units:	ug/L	Analyzed:	02/26/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171327

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	47.53	95	74-132
Benzene	50.00	48.36	97	80-116
Trichloroethene	50.00	47.03	94	80-119
Toluene	50.00	48.18	96	80-120
Chlorobenzene	50.00	50.36	101	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	94	80-110
Bromofluorobenzene	102	80-115

Type: BSD Lab ID: QC171328

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	53.79	108	74-132	12	20
Benzene	50.00	47.63	95	80-116	2	20
Trichloroethene	50.00	45.99	92	80-119	2	20
Toluene	50.00	45.52	91	80-120	6	20
Chlorobenzene	50.00	48.00	96	80-117	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	93	80-110
Bromofluorobenzene	106	80-115



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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ANALYTICAL REPORT


Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 19-MAR-02
Lab Job Number: 157187
Project ID: 855.003
Location: 1137-1167 65th Street

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

This package may be reproduced only in its entirety.



Laboratory Number: 157187
Client: **Subsurface Consultants**
Project Name: 1137 65th St.

Receipt Date: 02/27/02

CASE NARRATIVE

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

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recoveries for samples EXTERIOR (157187-001), TANK 3 BOTTOM (157187-004), TANK 4 BOTTOM (157187-005), E END @ 6' (157187-006), W END @ 6' (157187-007) and EXTERIOR SP (157187-011) were above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recoveries were acceptable, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: The water matrix spike recovery and matrix spike duplicate relative percent difference (RPD) were outside acceptance limits. The associated laboratory control sample (LCS) recovery was acceptable. No other analytical problems were encountered.

Volatile Organic Compounds: The bromofluorobenzene surrogate recovery for sample E END @ 6' (157187-006) was above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. No other analytical problems were encountered.

Metals: The matrix spike recovery for zinc was not meaningful. The concentration of analyte in the spiked sample rendered the spike amount insignificant. The matrix spike recovery for nickel was outside acceptance limits. The associated blank spike recoveries were acceptable for all target elements, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

CHAIN OF CUSTODY

157187

PROJECT NAME: 1137 65th St.
 JOB NUMBER: 855-0013
 PROJECT CONTACT: E. Silverman
 LAB: Curtis & Tompkins
 TURNAROUND: Standard
 SAMPLER BY: E. Silverman
 REQUESTED BY: E. Silverman

ANALYSIS REQUESTED	
TPH-g, BTEX, MTBE (8015 and 8020)	
TPH as Diesel - using silica gel clean up (8010)	
VOCs (8260)	X
CAM 17 Title 22 Metals (6010/7000)	
Lead (6010)	
TPH-OL - W/Syhl	X
TPH-Naphtha	X
TPH-Standard Solvent	X
TPH-g (8015)	X
LUFT'S Metals	X

LABORATORY ID NUMBER	SCI SAMPLE NUMBER	MATRIX			CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES	
		WATER	SOIL	AIR	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE	MONTH	DAY	YEAR		TIME
-10	Interior SP		X				4					X			02	25	02	1445	(1)
-11	Exterior SP		X				4					X			02	25	02	1430	(1)

CHAIN OF CUSTODY RECORD		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
<i>[Signature]</i>	2/12/02 8:32	<i>[Signature]</i>
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

COMMENTS & NOTES:
 Composite 4 tubes for each sample.
 LUFT Metals added 2/12/02 per ES

Subsurface Consultants, Inc.
 1000 Broadway, Suite 200 Oakland, CA 94607
 510-268-0401 FAX: 510-268-0417
 2044 Durant Ave., Suite 500, Berkeley, CA 94704
 707-257-6993 FAX: 707-257-6995

Gasoline by GC/FID CA LUPT

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Field ID:	EXTERIOR	Batch#:	70507
Matrix:	Water	Sampled:	02/25/02
Units:	ug/L	Received:	02/26/02

Type:	SAMPLE	Diln Fac:	10.00
Lab ID:	157187-001	Analyzed:	03/02/02

Analyte	Result	RL
Gasoline C7-C12	66,000 H Y	500
Stoddard Solvent C7-C12	42,000	500
Naphtha C7-C12	34,000 H Y	500

Surrogate	SRRC	Limits
Trifluorotoluene (FID)	106	68-145
Bromofluorobenzene (FID)	220 *	>LR b 66-143

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171716	Analyzed:	03/01/02

Analyte	Result	RL
Gasoline C7-C12	ND	50
Stoddard Solvent C7-C12	ND	50
Naphtha C7-C12	ND	50

Surrogate	SRRC	Limits
Trifluorotoluene (FID)	102	68-145
Bromofluorobenzene (FID)	120	66-143

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 b= See narrative
 ND= Not Detected
 RL= Reporting Limit
 >LR= Response exceeds instrument's linear range

GC04 TVH 'J' Data File FID

Sample Name : 157187-001,70507,+stodd&naphtha
 FileName : G:\GC04\DATA\060J013.raw
 Method : TVHBIYE
 Start Time : 0.00 min
 Scale Factor: 1.0

End Time : 26.00 min
 Plot Offset: 34 mV

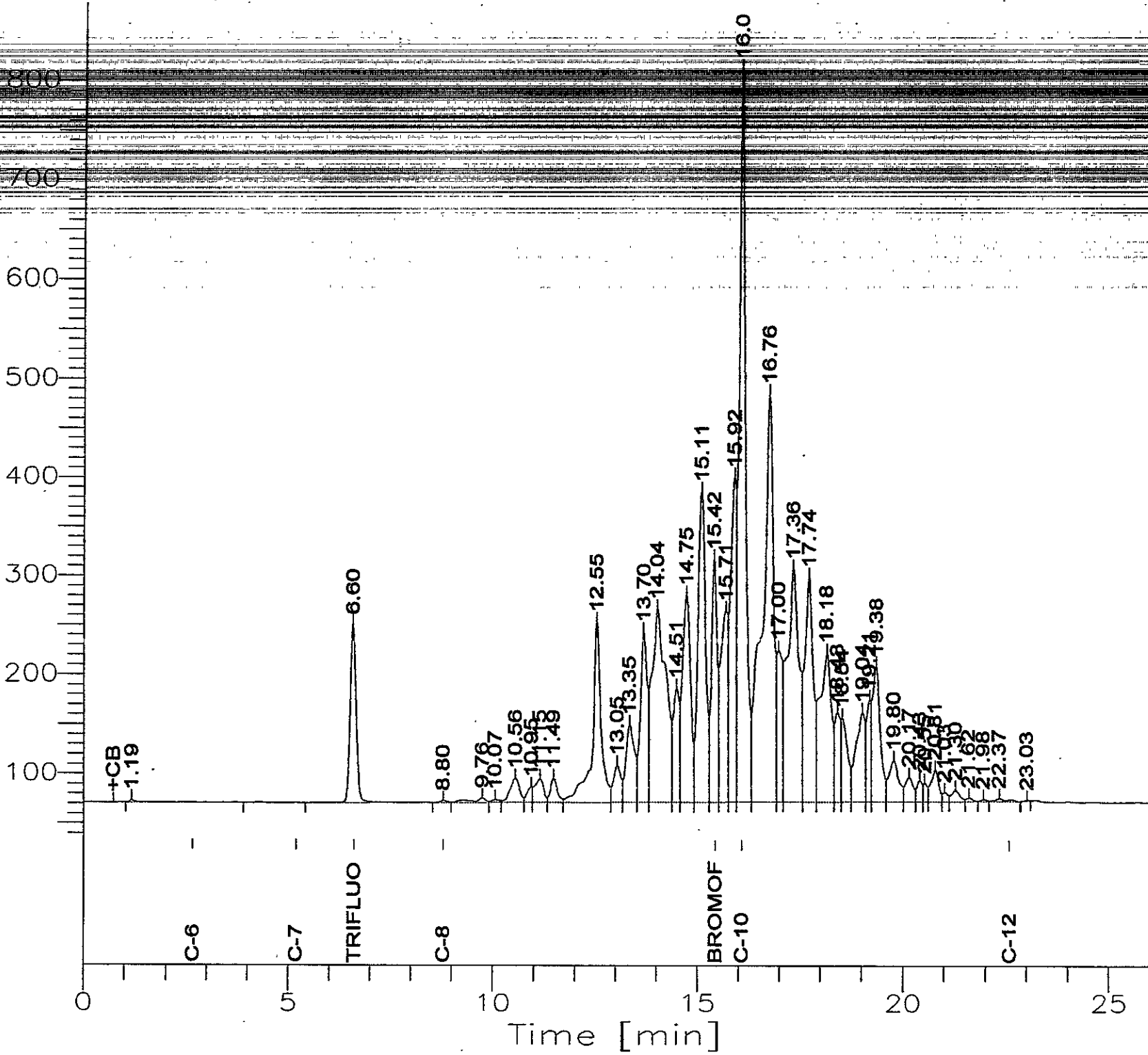
Sample #: d7
 Date : 3/2/02 02:28 AM
 Time of Injection: 3/2/02 02:02 AM
 Low Point : 33.65 mV
 Plot Scale: 781.1 mV

High Point: 817.76 mV

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EXTERIOR

Response [mV]

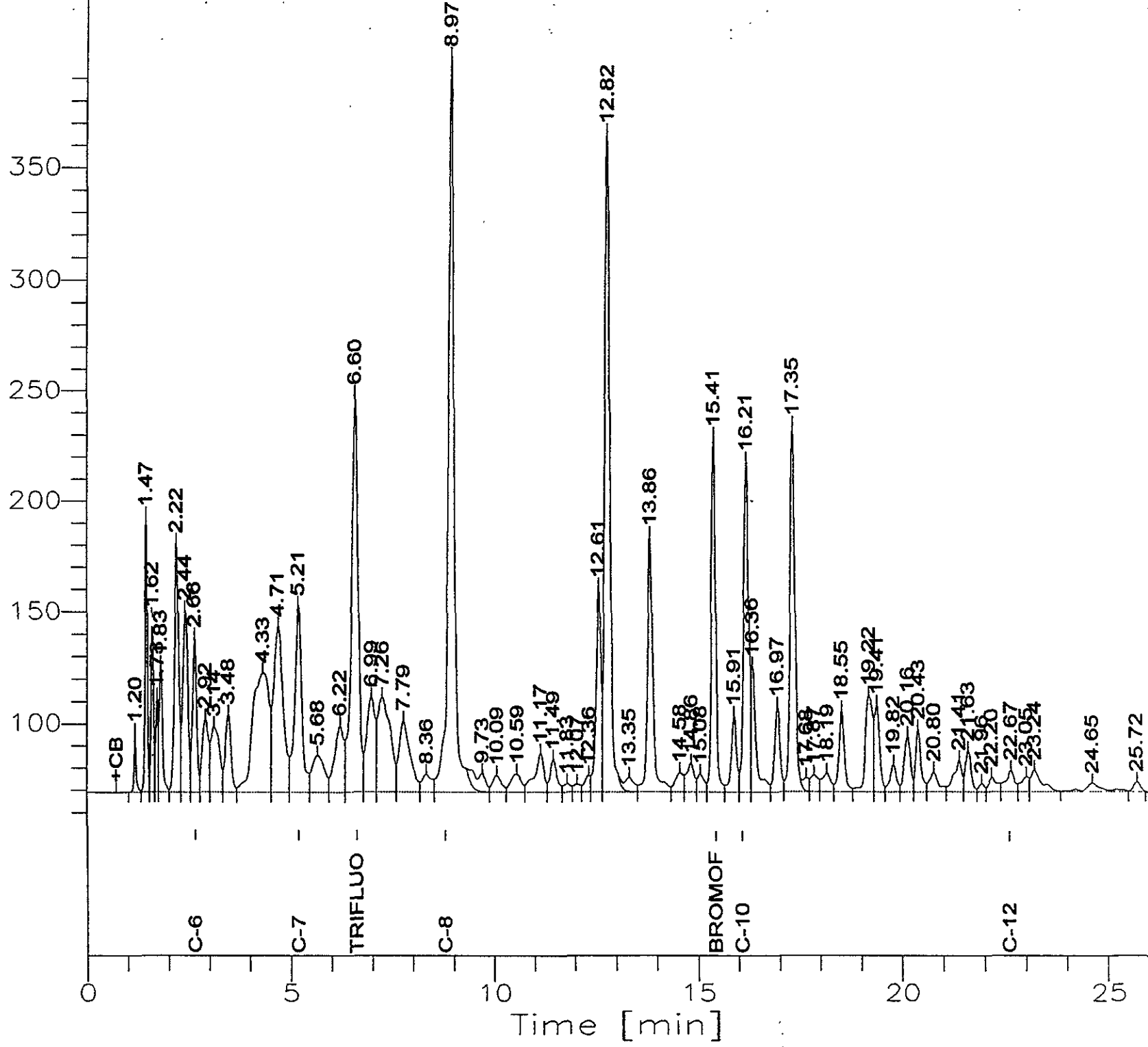


GC04 TVH 'J' Data File FID

Sample Name : ccv/bs,gc171717,70507,02ws0226,5/5000
 File Name : g:\gc04\data\0601006.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0
 End Time : 26.00 min
 Plot Offset: 53 mV
 Sample #: Page 1 of 1
 Date : 3/2/02 01:59 PM
 Time of Injection: 3/1/02 09:53 PM
 Low Point : 52.52 mV
 High Point : 399.66 mV
 Plot Scale: 347.1 mV

Gasoline

Response [mV]

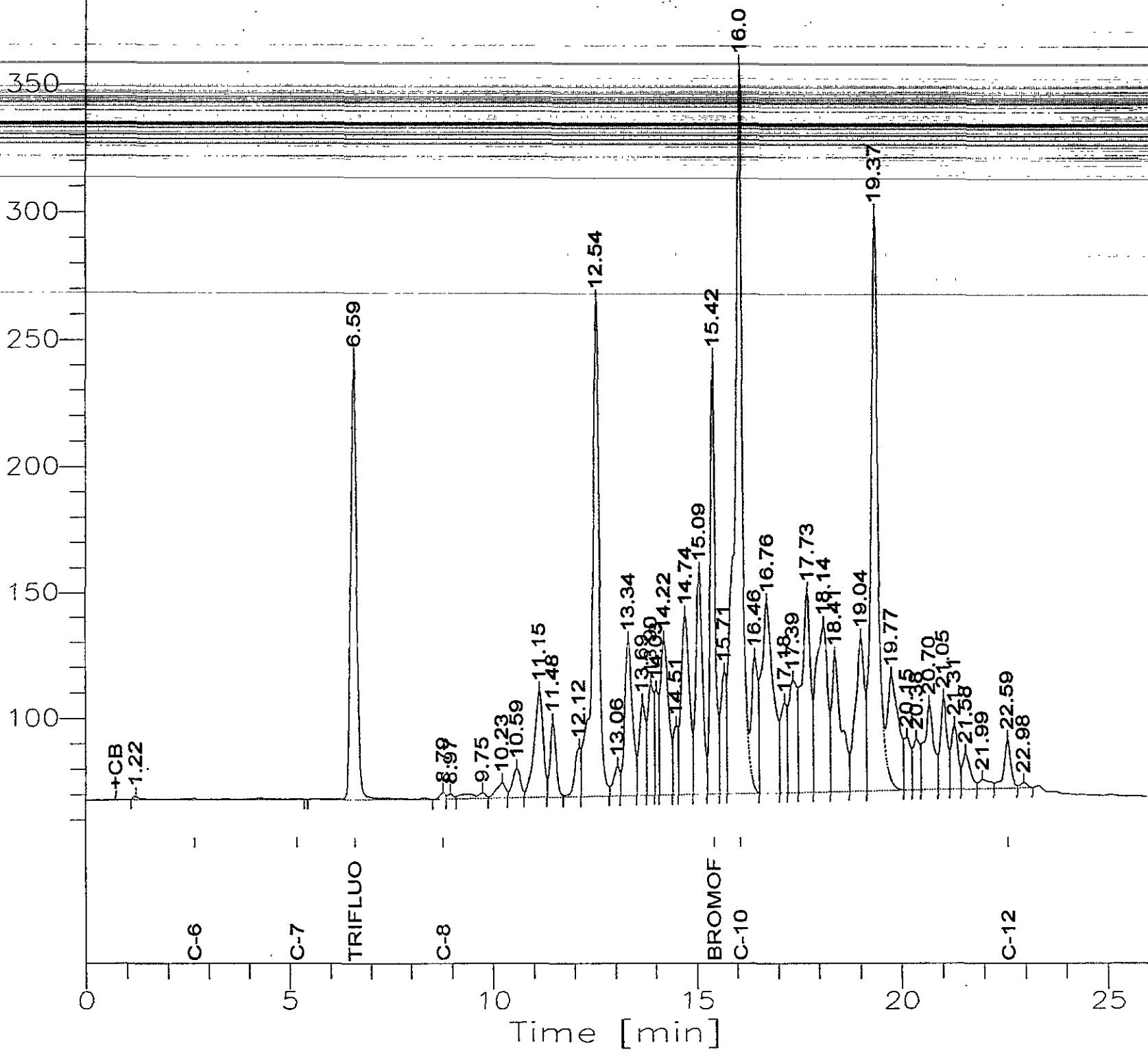


GC04 TVH 'J' Data File FID

Sample Name : ccv, stodd, 70507, 02ws0137, 5/5000
 File Name : G:\GC04\DATA\0600002.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0
 End Time : 26.00 min
 Plot Offset: 53 mV
 Sample #: Page 1 of 1
 Date : 3/1/02 07:55 PM
 Time of Injection: 3/1/02 07:29 PM
 Low Point : 53.26 mV
 High Point : 357.99 mV
 Plot Scale: 304.7 mV

Stoddard

Response [mV]



GC04 TVH 'J' Data File FID

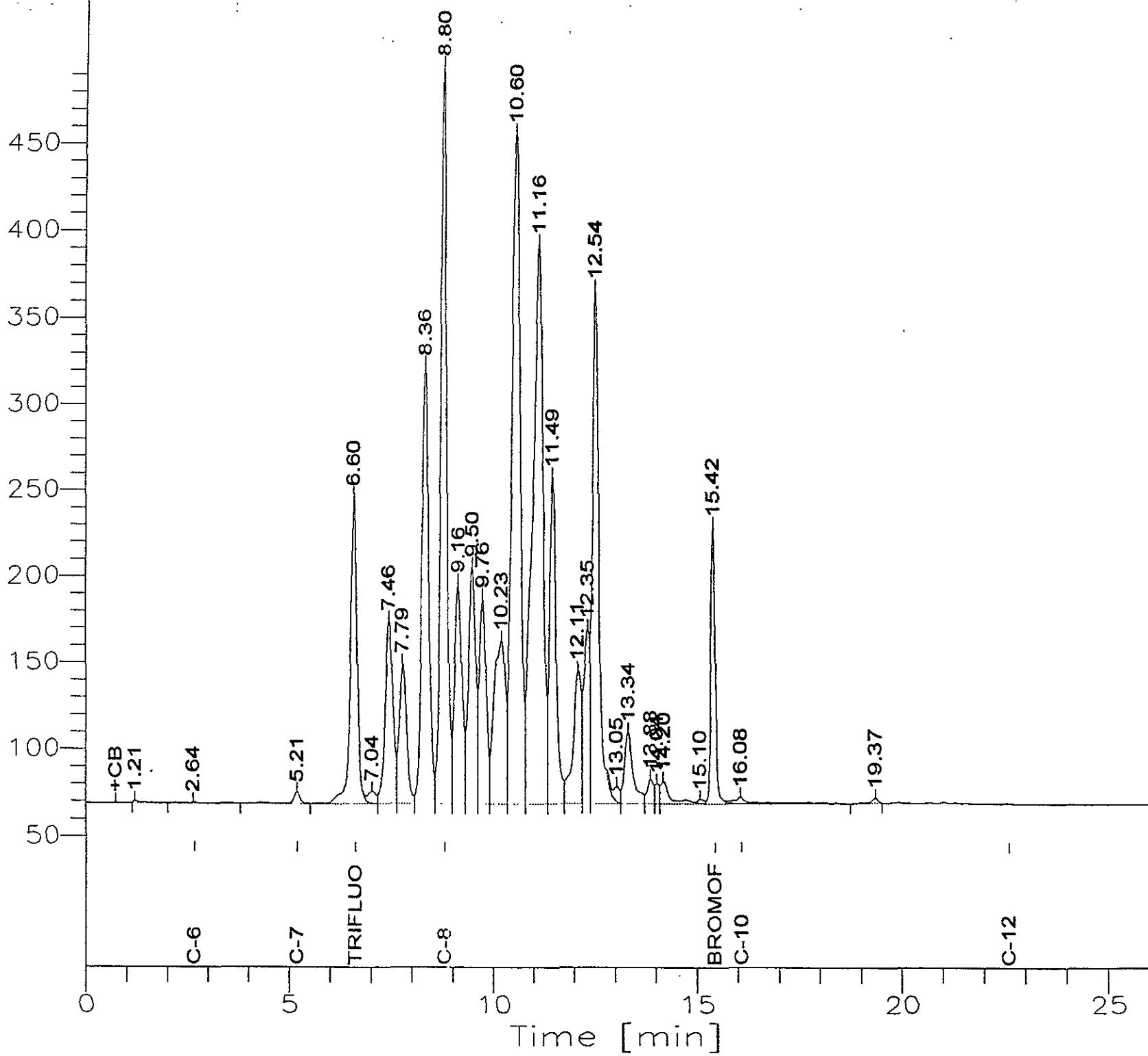
Sample Name : ccv,naptha,70507,01ws1794,5/5000
 FileName : G:\GC04\DATA\060J004.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor : 1.0

End Time : 26.00 min
 Plot Offset: 47 mV

Page 1 of 1
 Sample #:
 Date : 3/1/02 09:07 PM
 Time of Injection: 3/1/02 08:41 PM
 Low Point : 47.28 mV
 High Point : 495.31 mV
 Plot Scale: 448.0 mV

Naphtan

Response [mV]



Gasoline by GC/FID CA LUFT			
Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B (M)
Matrix:	Water	Batch#:	70507
Units:	ug/L	Analyzed:	03/01/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171717

Analyte	Spiked	Result	REC	Limits
Gasoline C7-C12	2,000	2,129	106	79-120

Surrogate	REC	Limits
Trifluorotoluene (FID)	117	68-145
Bromofluorobenzene (FID)	108	66-143

Type: BSD Lab ID: QC171718

Analyte	Spiked	Result	REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,159	108	79-120	1	20

Surrogate	REC	Limits
Trifluorotoluene (FID)	117	68-145
Bromofluorobenzene (FID)	107	66-143

Gasoline by GC/FID CA LUFT

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70512
Units:	mg/Kg	Received:	02/26/02
Basis:	as received		

Field ID:	TANK 1 BOTTOM	Diln Fac:	25.00
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-002	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	110 H Y	25
Stoddard Solvent C7-C12	74	25
Naphtha C7-C12	58 H Y	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	58-144
Bromofluorobenzene (FID)	122	60-146

Field ID:	TANK 2 BOTTOM	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-003	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	440 H Y	100
Stoddard Solvent C7-C12	280	100
Naphtha C7-C12	230 H Y	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	58-144
Bromofluorobenzene (FID)	118	60-146

Field ID:	TANK 3 BOTTOM	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-004	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	1,500 H Y	100
Stoddard Solvent C7-C12	940	100
Naphtha C7-C12	750 H Y	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	58-144
Bromofluorobenzene (FID)	150 *	60-146

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard

ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 157187-002,70512,tvh+nap+sted
FileName : G:\GC04\DATA\062J009.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 60 mV

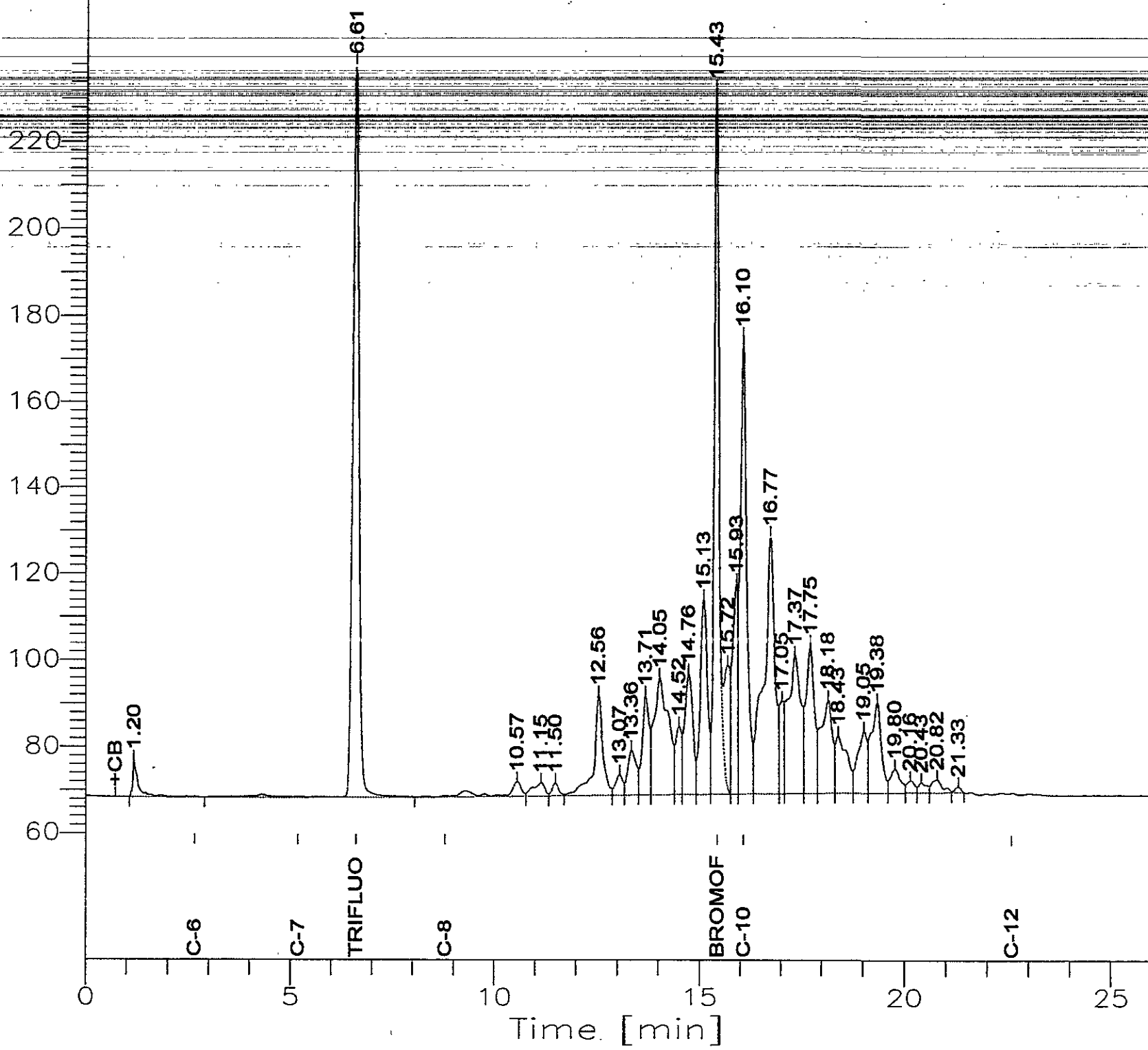
Sample #: a
Date : 3/3/02 06:38 PM
Time of Injection: 3/3/02 06:12 PM
Low Point : 59.76 mV
Plot Scale: 178.6 mV

High Point : 238.32 mV

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TANK 1 BOTTOM

Response [mV]

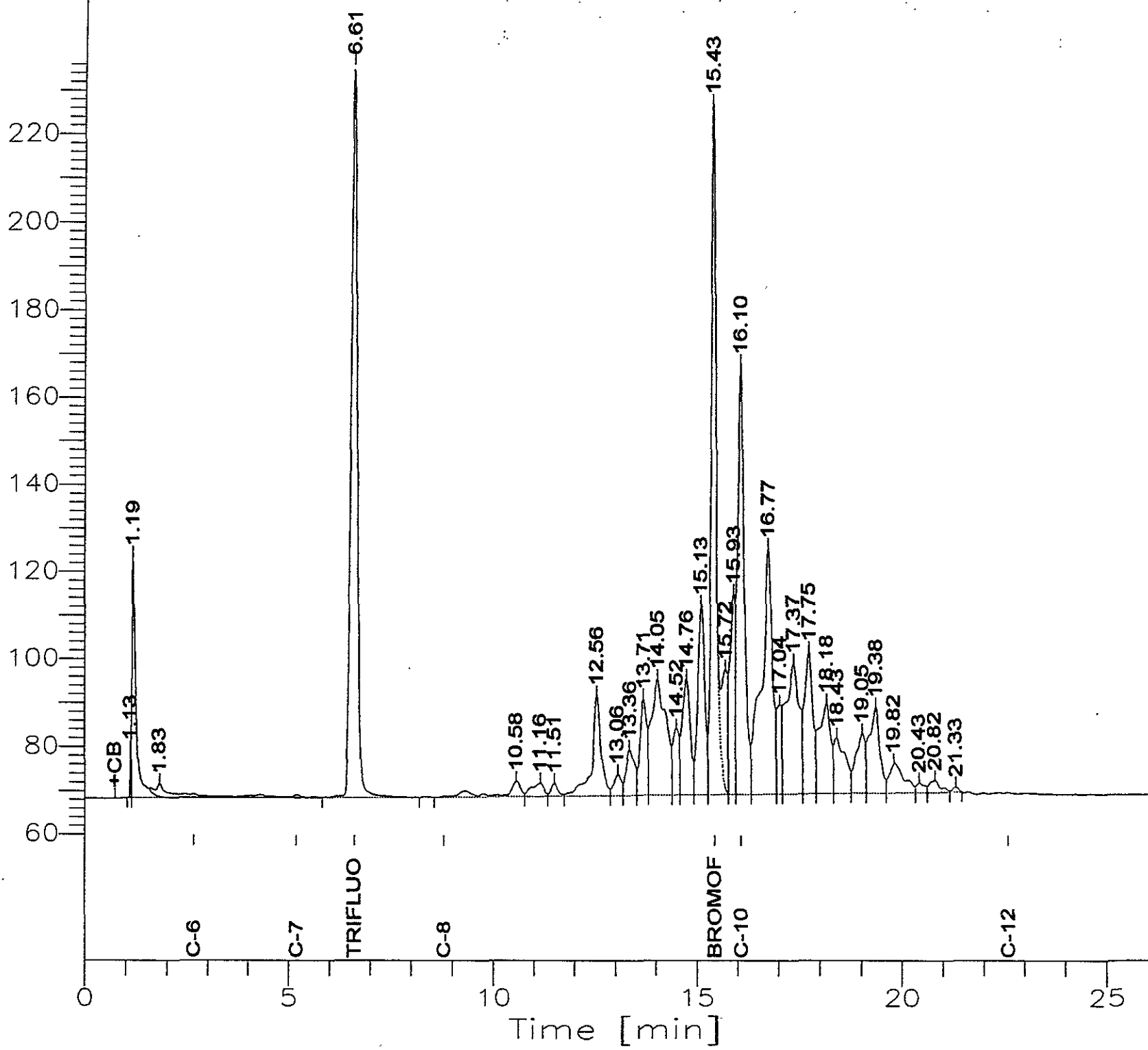


GC04 TVH 'J' Data File FID

Sample Name : 157187-003,70512,tvh+nap&stod
File Name : G:\GC04\DATA\062J010.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor : 1.0
End Time : 26.00 min
Plot Offset: 60 mV
Sample #: a
Date : 3/3/02 07:13 PM
Time of Injection: 3/3/02 06:47 PM
Low Point : 59.76 mV
High Point : 236.10 mV
Plot Scale: 176.3 mV
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TANK 2 BOTTOM

Response [mV]



GC04 TVH 'J' Data File FID

Sample Name : 157187-004,70512,tvh+nap&stod
 FileName : G:\GC04\DATA\062J011.raw
 Method : TVHBYE
 Start Time : 0.00 min
 Scale Factor: 1.0

End Time : 26.00 min
 Plot Offset: 54 mV

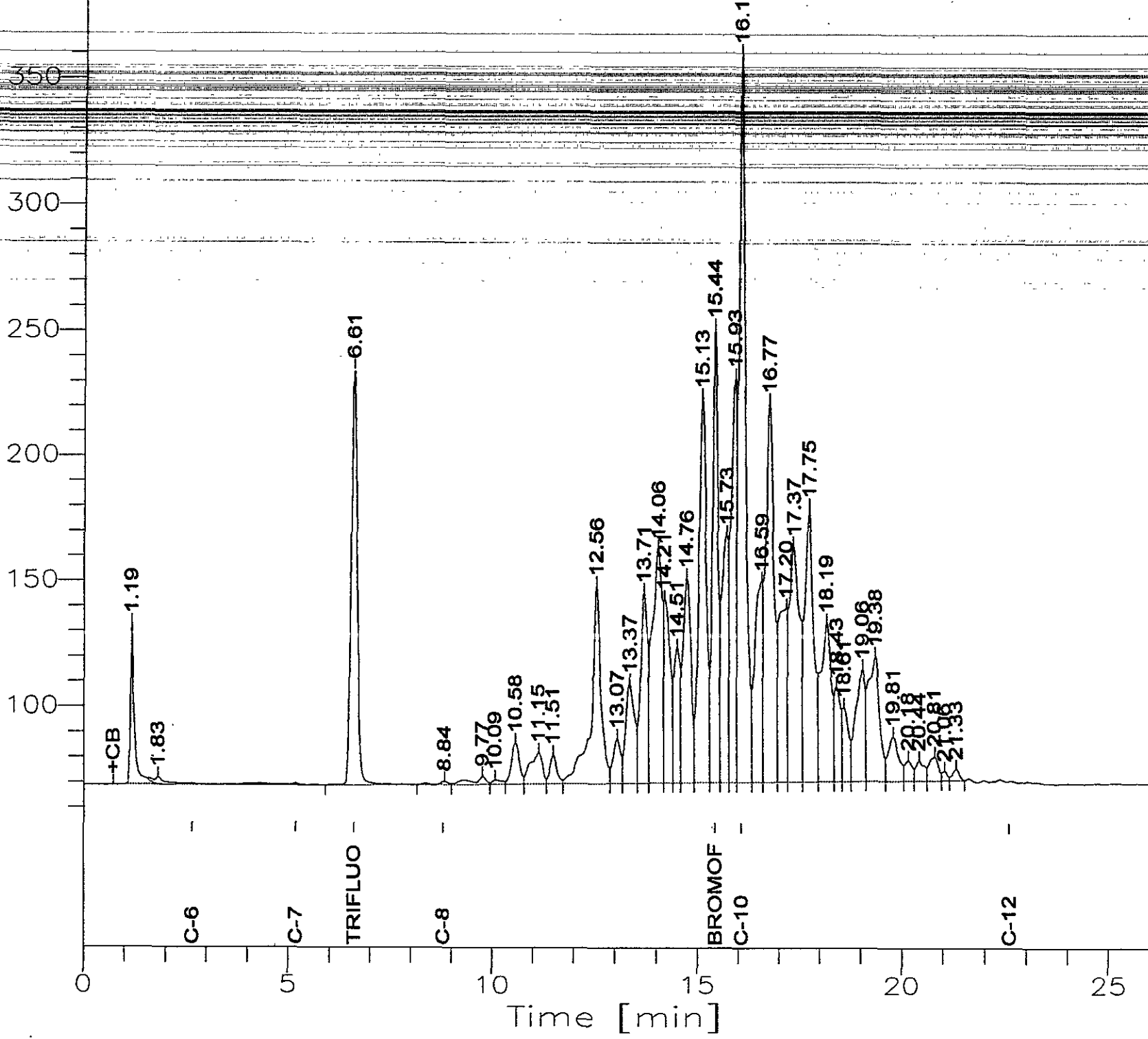
Sample #: a

Date : 3/3/02 07:48 PM
 Time of Injection: 3/3/02 07:22 PM
 Low Point : 54.04 mV
 Plot Scale: 306.3 mV

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High Point : 360.37 mV

TANK 3 BOTTOM Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70512
Units:	mg/Kg	Received:	02/26/02
Basis:	as received		

Field ID:	TANK 4 BOTTOM	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-005	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	1,600 H Y	100
Stoddard Solvent C7-C12	1,000	100
Naphtha C7-C12	830 H Y	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	58-144
Bromofluorobenzene (FID)	155 *	60-146

Field ID:	E END @ 6'	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-006	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	2,200 H Y	100
Stoddard Solvent C7-C12	1,400	100
Naphtha C7-C12	1,100 H Y	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	58-144
Bromofluorobenzene (FID)	189 *	60-146

Field ID:	W END @ 6'	Diln Fac:	100.0
Type:	SAMPLE	Sampled:	02/26/02
Lab ID:	157187-007	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	2,900 H Y	100
Stoddard Solvent C7-C12	1,800	100
Naphtha C7-C12	1,500 H Y	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	58-144
Bromofluorobenzene (FID)	201 *	60-146

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
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GC04 TVH 'J' Data File FID

Sample Name : 157187-005,70512,tvh+nap&stod
File Name : G:\GC04\DATA\062J012.raw
Method : TVHTX
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 59 mV

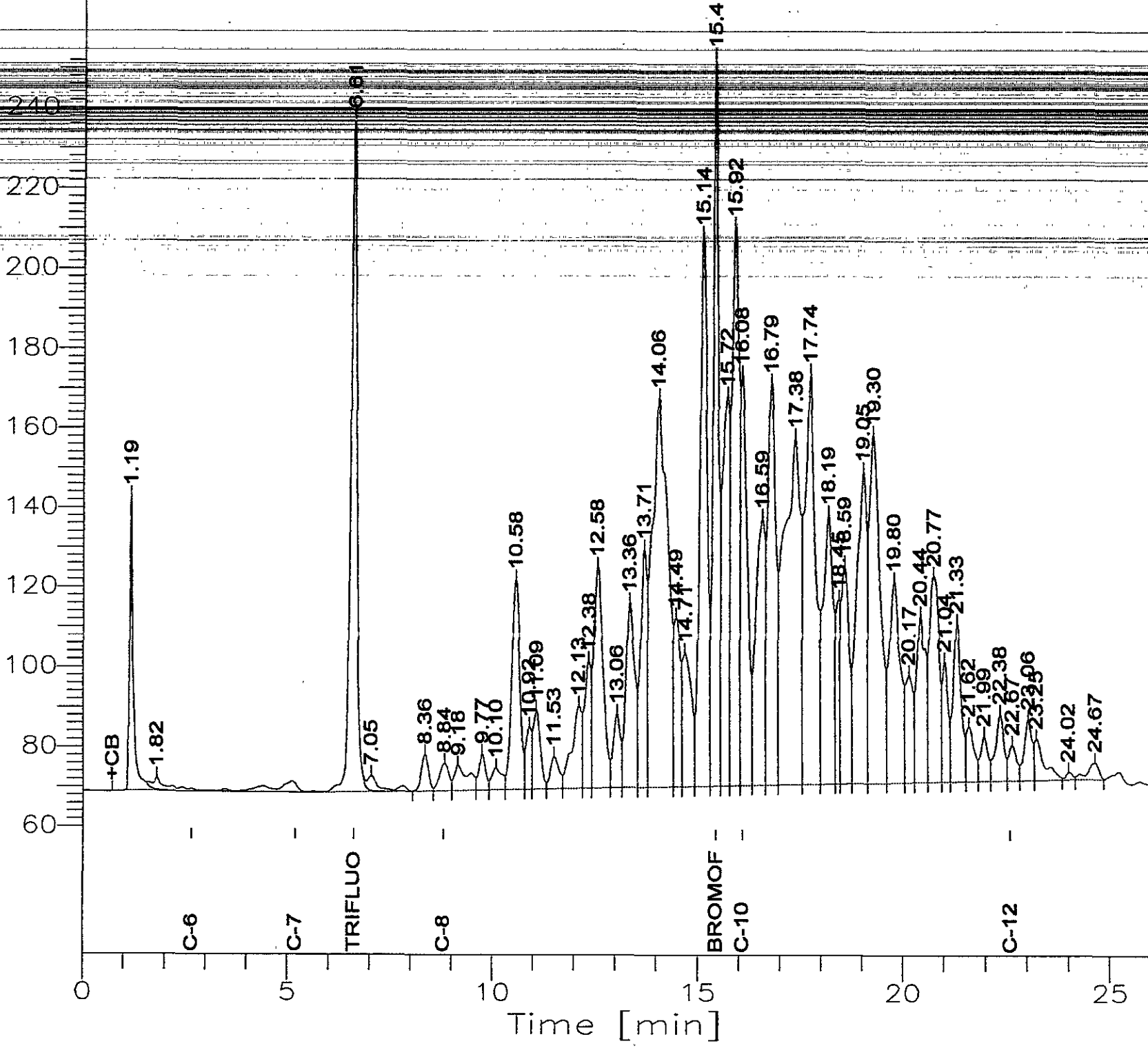
Sample #: a
Date : 3/3/02 08:24 PM
Time of Injection: 3/3/02 07:58 PM
Low Point : 59.47 mV
Plot Scale: 193.7 mV

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High Point : 253.4 mV

TANK 4 BOTTOM

Response [mV]

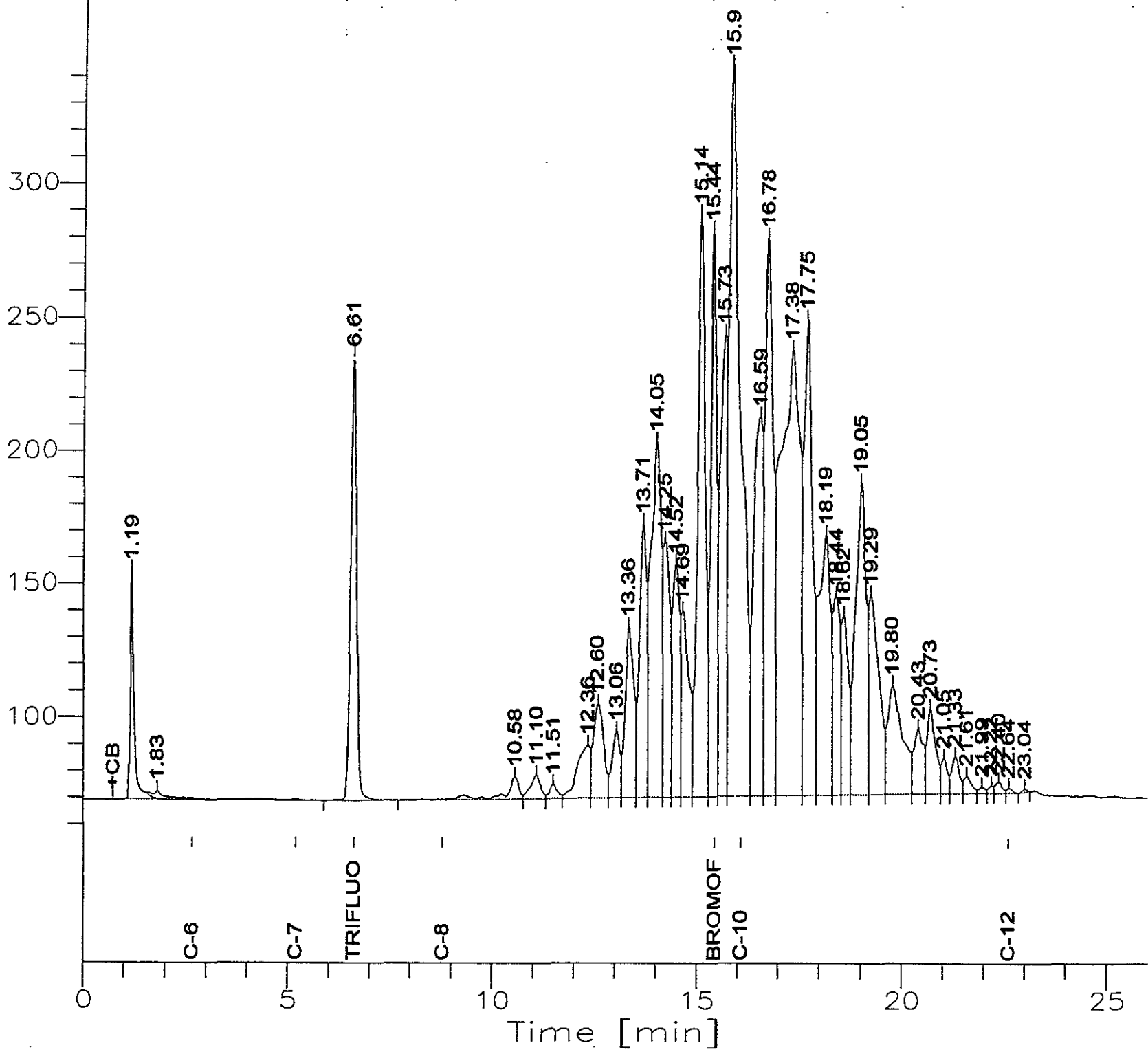


GC04 TVH 'J' Data File FID

Sample Name : 157187-006,70512,tvhn+nap&stod
File Name : G:\GC04\DATA\062J013.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor : 1.0
End Time : 26.00 min
Plot Offset: 55 mV
Sample #: a
Date : 3/3/02 09:00 PM
Time of Injection: 3/3/02 08:33 PM
Low Point : 55.22 mV
High Point : 344.61 mV
Plot Scale: 289.4 mV

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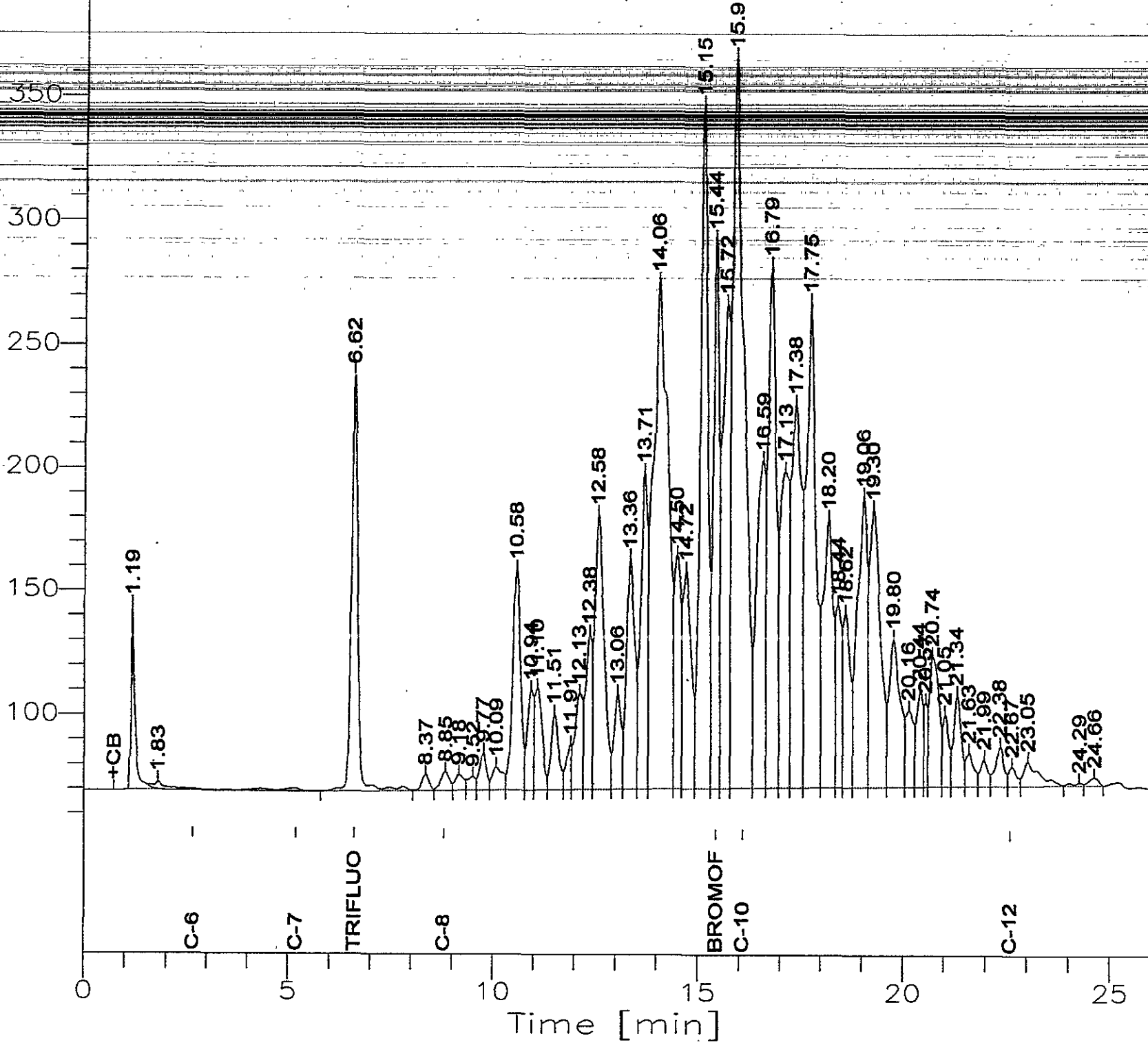
E END @ 6' Response [mV]



GC04 TVH 'J' Data File FID

Sample Name : 157187-007,70512,tvh+napstod
 FileName : G:\GC04\DATA\062J014.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: 1.0
 End Time : 26.00 min
 Plot Offset: 54 mV
 Sample #: a
 Date : 3/3/02 09:35 PM
 Time of Injection: 3/3/02 09:09 PM
 Low Point : 54.08 mV
 Plot Scale: 312.7 mV
 High Point : 366.82

W END @ 6' Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70512
Units:	mg/Kg	Received:	02/26/02
Basis:	as received		

Field ID:	PIPES #1	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	02/26/02
Lab ID:	157187-008	Analyzed:	03/03/02

Analyte	Result	RL
Gasoline C7-C12	ND	0.99
Stoddard Solvent C7-C12	ND	0.99
Naphtha C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	58-144
Bromofluorobenzene (FID)	102	60-146

Field ID:	PIPES #2	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	02/26/02
Lab ID:	157187-009	Analyzed:	03/04/02

Analyte	Result	RL
Gasoline C7-C12	ND	0.95
Stoddard Solvent C7-C12	ND	0.95
Naphtha C7-C12	ND	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	58-144
Bromofluorobenzene (FID)	103	60-146

Field ID:	INTERIOR SP	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	02/25/02
Lab ID:	157187-010	Analyzed:	03/04/02

Analyte	Result	RL
Gasoline C7-C12	ND	0.99
Stoddard Solvent C7-C12	ND	0.99
Naphtha C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	58-144
Bromofluorobenzene (FID)	101	60-146

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
Page 3 of 4



Gasoline by GC/FID CA LUFT			
Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	70512
Units:	mg/Kg	Received:	02/26/02
Basis:	as received		

Field ID: EXTERIOR SP Diln Fac: 1.000
 Type: SAMPLE Sampled: 02/25/02
 Lab ID: 157187-011 Analyzed: 03/04/02

Analyte	Result	RL
Gasoline C7-C12	24 H Y	0.93
Stoddard Solvent C7-C12	16	0.93
Naphtha C7-C12	12 H Y	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	58-144
Bromofluorobenzene (FID)	194 *	60-146

Type: BLANK Diln Fac: 1.000
 Lab ID: QC171737 Analyzed: 03/03/02

Analyte	Result	RL
Gasoline C7-C12	ND	1.0
Stoddard Solvent C7-C12	ND	1.0
Naphtha C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	58-144
Bromofluorobenzene (FID)	96	60-146

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
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GC04 TVH 'J' Data File FID

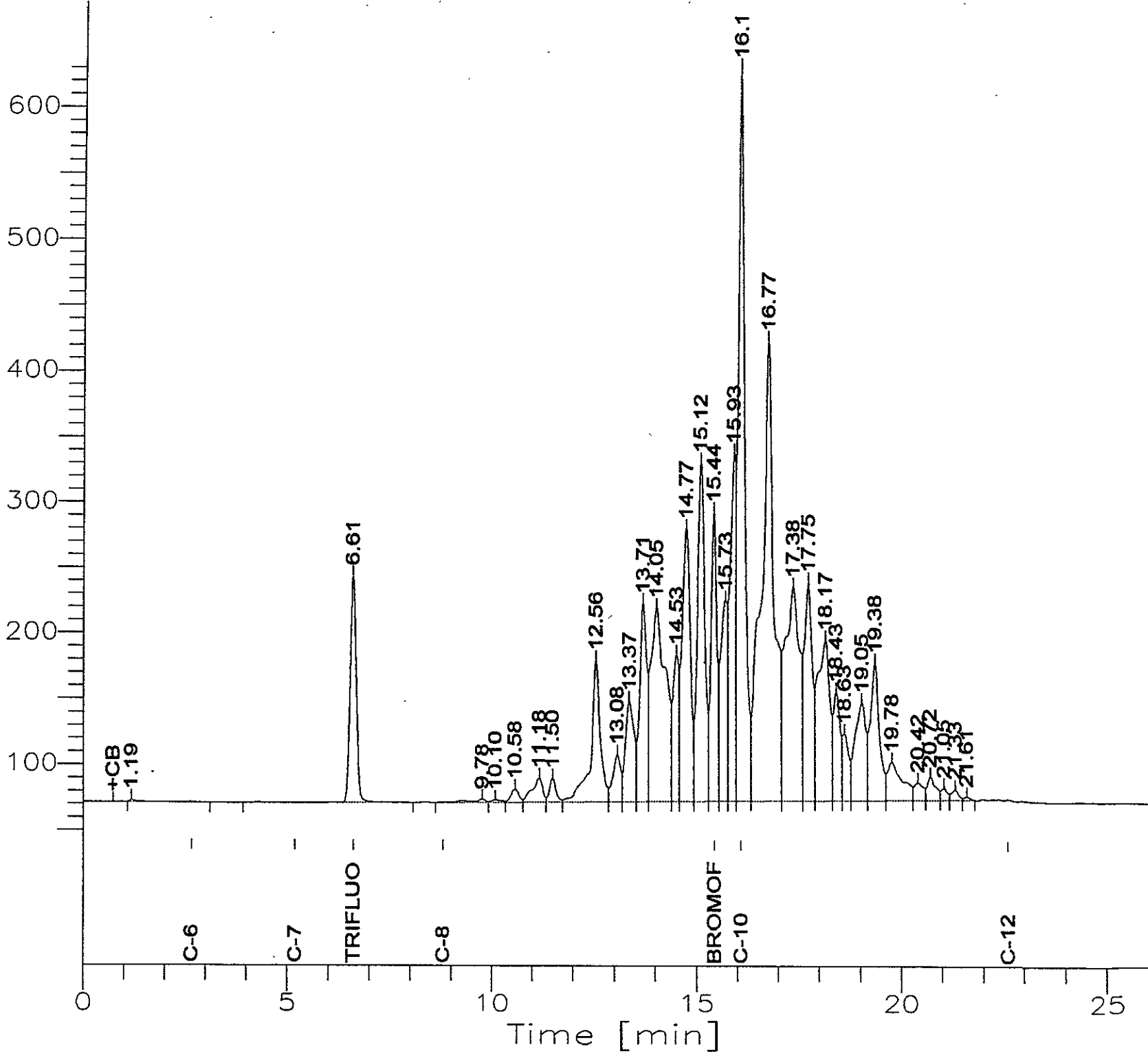
Sample Name : 157187-011.70512.tvh+nap&stod
FileName : G:\GC04\DATA\0623022.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 43 mV

Sample #: b
Date : 3/4/02 02:21 AM
Time of Injection: 3/4/02 01:54 AM
Low Point : 42.90 mV
Plot Scale: 588.0 mV

High Point : 630.90 mV

EXTERIOR SP Response [mV]



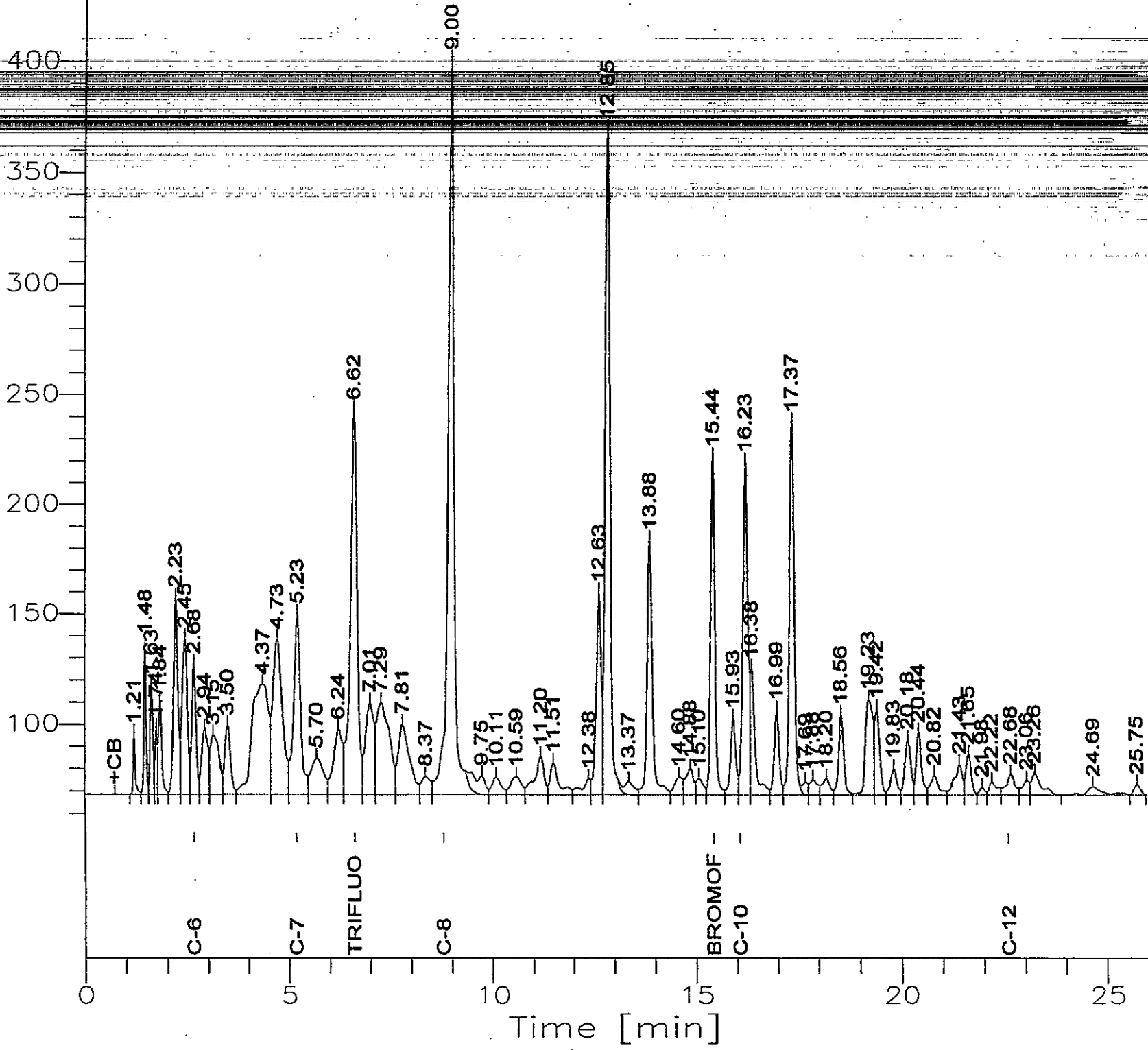
GC04 TVH 'J' Data File FID

Sample Name : ccv/bs_gc171739,70512,02ws0226,5/5000
Date : 3/3/02 01:32 PM
Time of Injection: 3/3/02 01:06 PM
Start Time : 0.00 min
End Time : 26.00 min
Method : TVHBTXE
Plot Scale: 349.2 mV
Scale Factor: 1.0
Plot Offset: 52 mV
Low Point : 51.68 mV
High Point : 400.91

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Gasoline

Response [mV]



GC04 TVH 'J' Data File FID

Sample Name : ccv, stodd, 70512, 02ws0137, 5/5000
FileName : G:\GC04\DATA\062J002.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

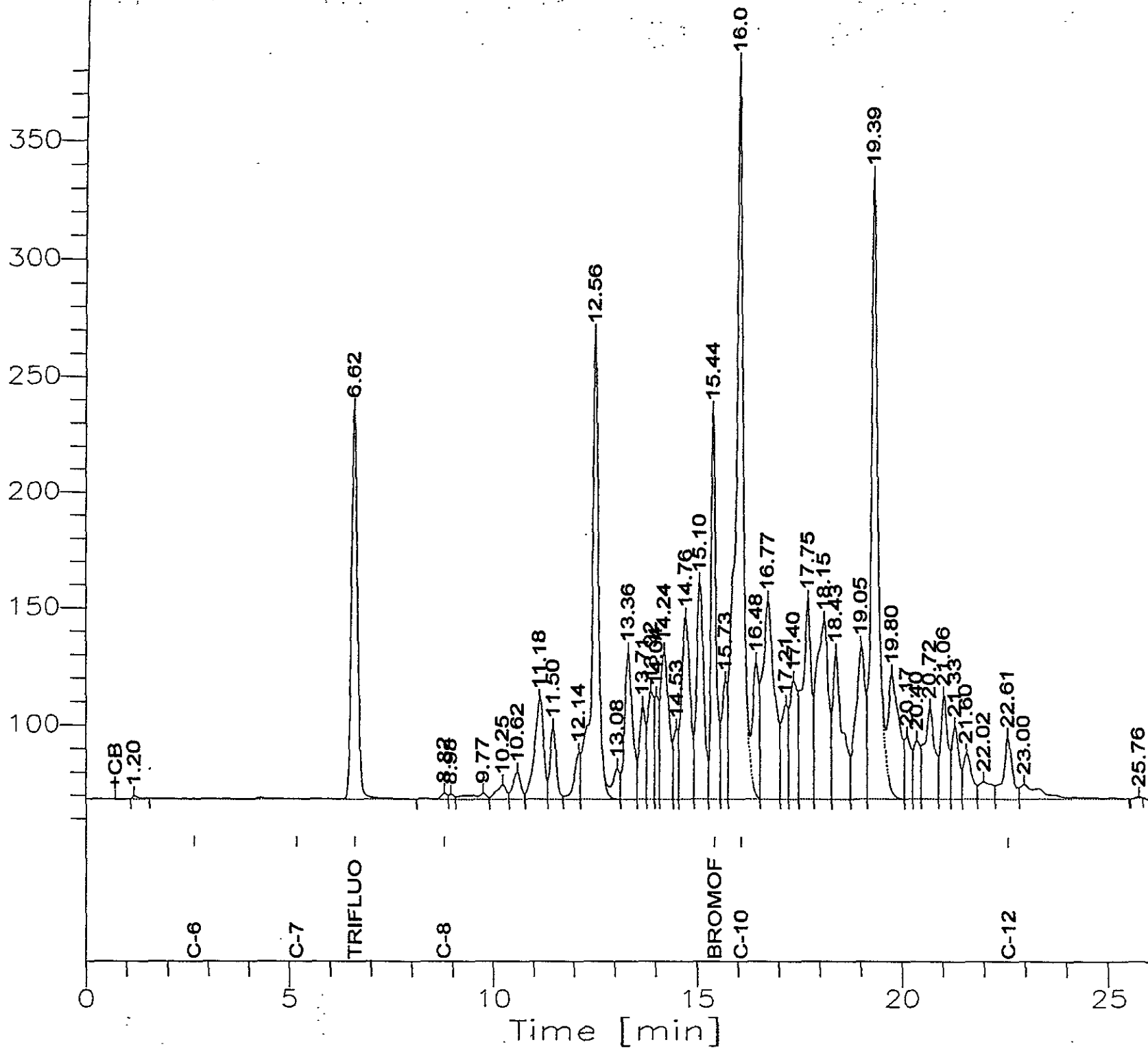
End Time : 26.00 min
Plot Offset: 52 mV

Sample #:
Date : 3/3/02 02:08 PM
Time of Injection: 3/3/02 01:42 PM
Low Point : 52.50 mV
Plot Scale: 331.5 mV

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High Point : 383.97 mV

Stoddard

Response [mV]

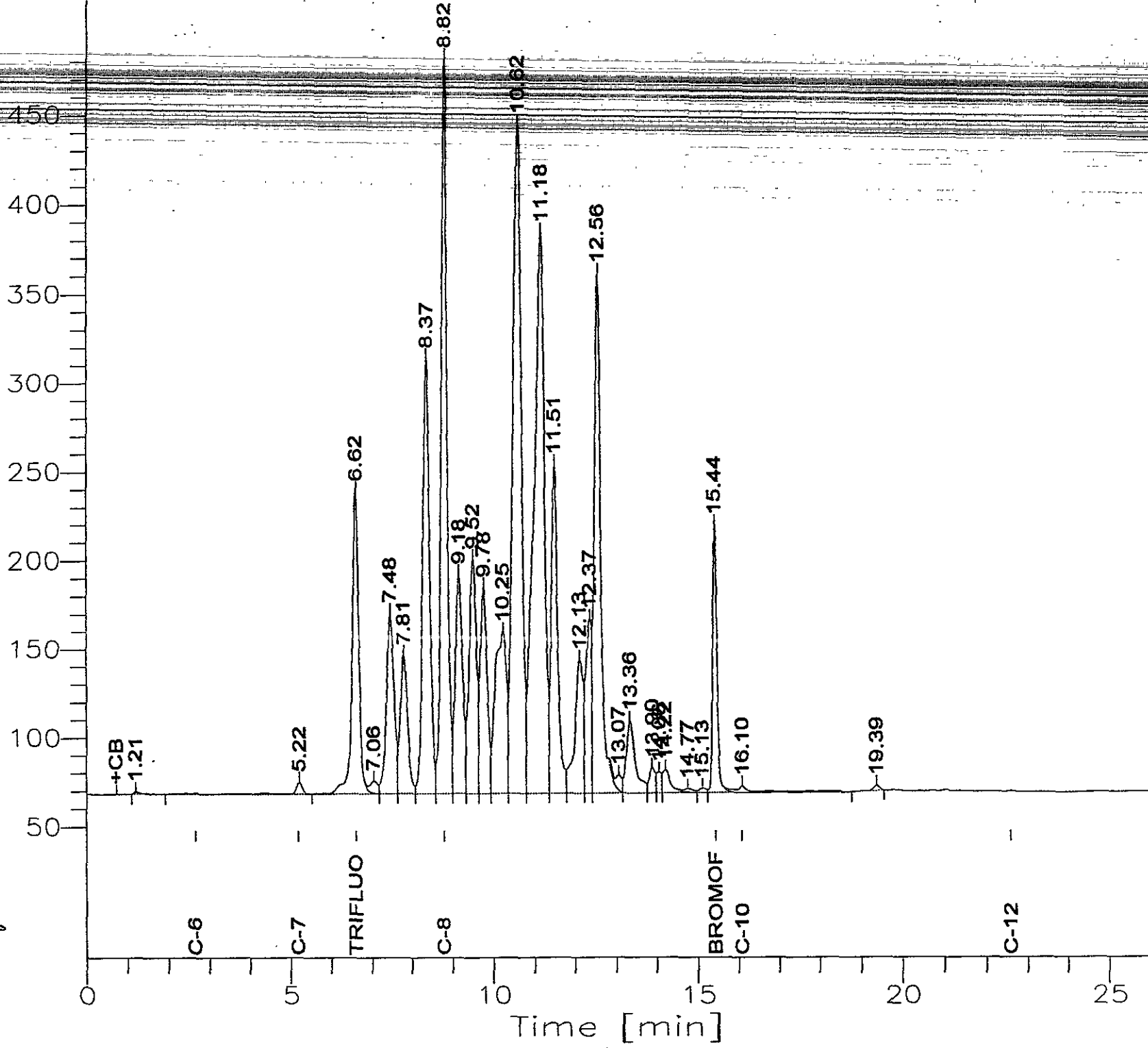


GC04 TVH 'J' Data File FID

Sample Name : ccv_naptha,70512,01ws1794,5/5000
 Date : 3/3/02 03:19 PM
 Time of Injection: 3/3/02 02:53 PM
 Start Time : 0.00 min
 End Time : 26.00 min
 Method : TVHBTXE
 Scale Factor: 1.0
 Low Point : 47.72 mV
 High Point : 482.64 mV
 Plot Scale: 434.9 mV
 Page 1 of 1

Naphten

Response [mV]



Gasoline by GC/FID CA LUFT

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	70512
Basis:	as received	Analyzed:	03/03/02

Type: BS Lab ID: QC171738

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.47	105	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	58-144
Bromofluorobenzene (FID)	101	60-146

Type: BSD Lab ID: QC171739

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.60	106	78-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	58-144
Bromofluorobenzene (FID)	103	60-146

Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B(M)
Field ID:	EXTERIOR (14)	Sampled:	02/25/02
Matrix:	Water	Received:	02/26/02
Units:	ug/L	Prepared:	02/28/02
Batch#:	70472		

Type:	SAMPLE	Analyzed:	03/06/02
Lab ID:	157187-001	Cleanup Method:	EPA 3630C
Diln Fac:	50.00		

Analyte	Result	RL
Diesel C10-C24	82,000 L Y	2,500

Surrogate	%REC	Limits
Hexacosane	DO	39-137

Type:	BLANK	Analyzed:	03/02/02
Lab ID:	QC171583	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	54	39-137

L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

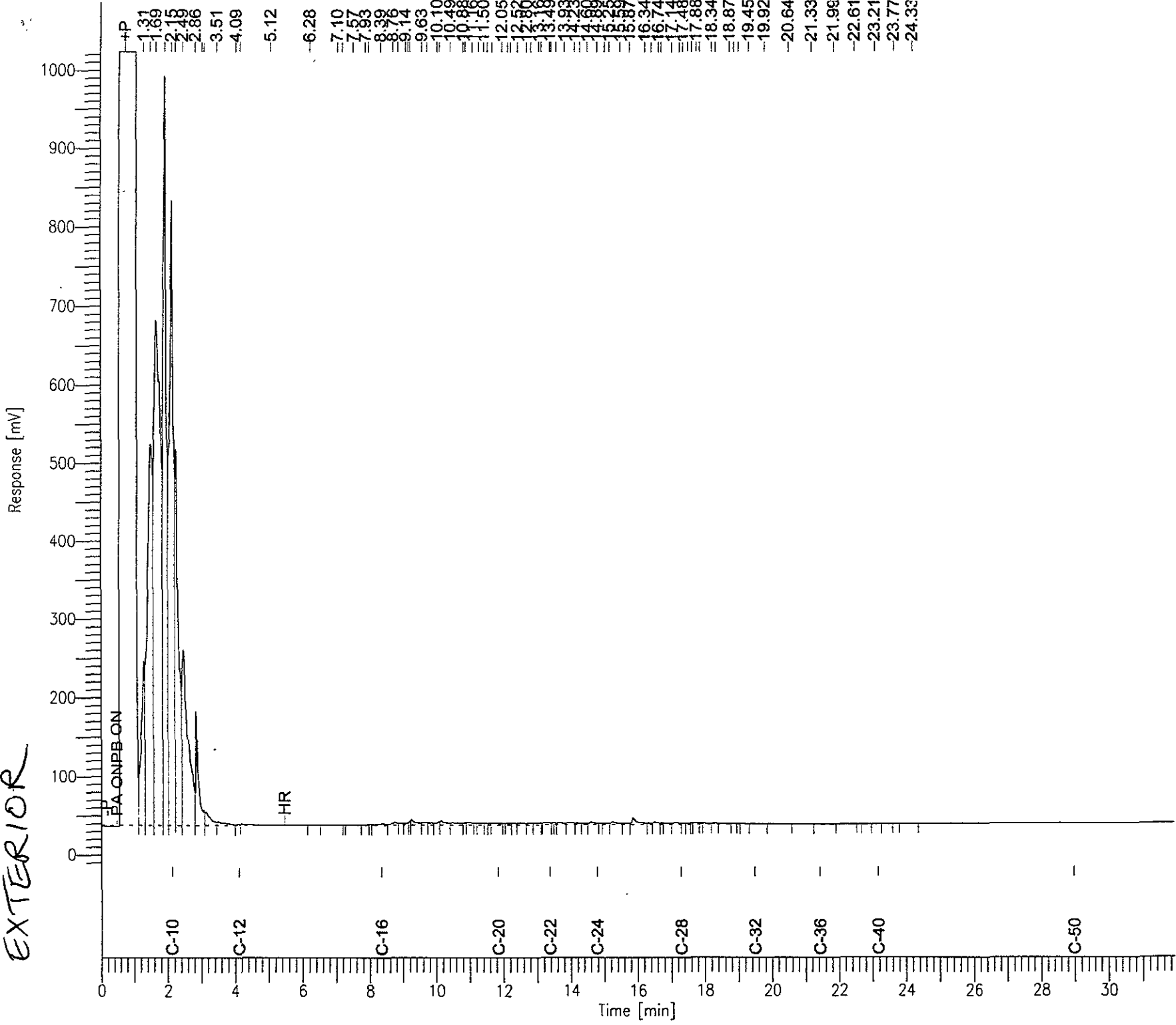
Chromatogram

Sample Name : 157187-001sg,70472
Filename : G:\GC13\CHB\063B052.RAW
Method : BTER028.NTH
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: 70472
Date : 3/6/02 08:16 AM
Time of Injection: 3/6/02 12:11 AM
Low Point : -14.97 mV
High Point : 1024.00 mV
End Time : 31.90 min
Plot Offset: -15 mV
Plot Scale: 1039.0 mV

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EXTERIOR



Chromatogram

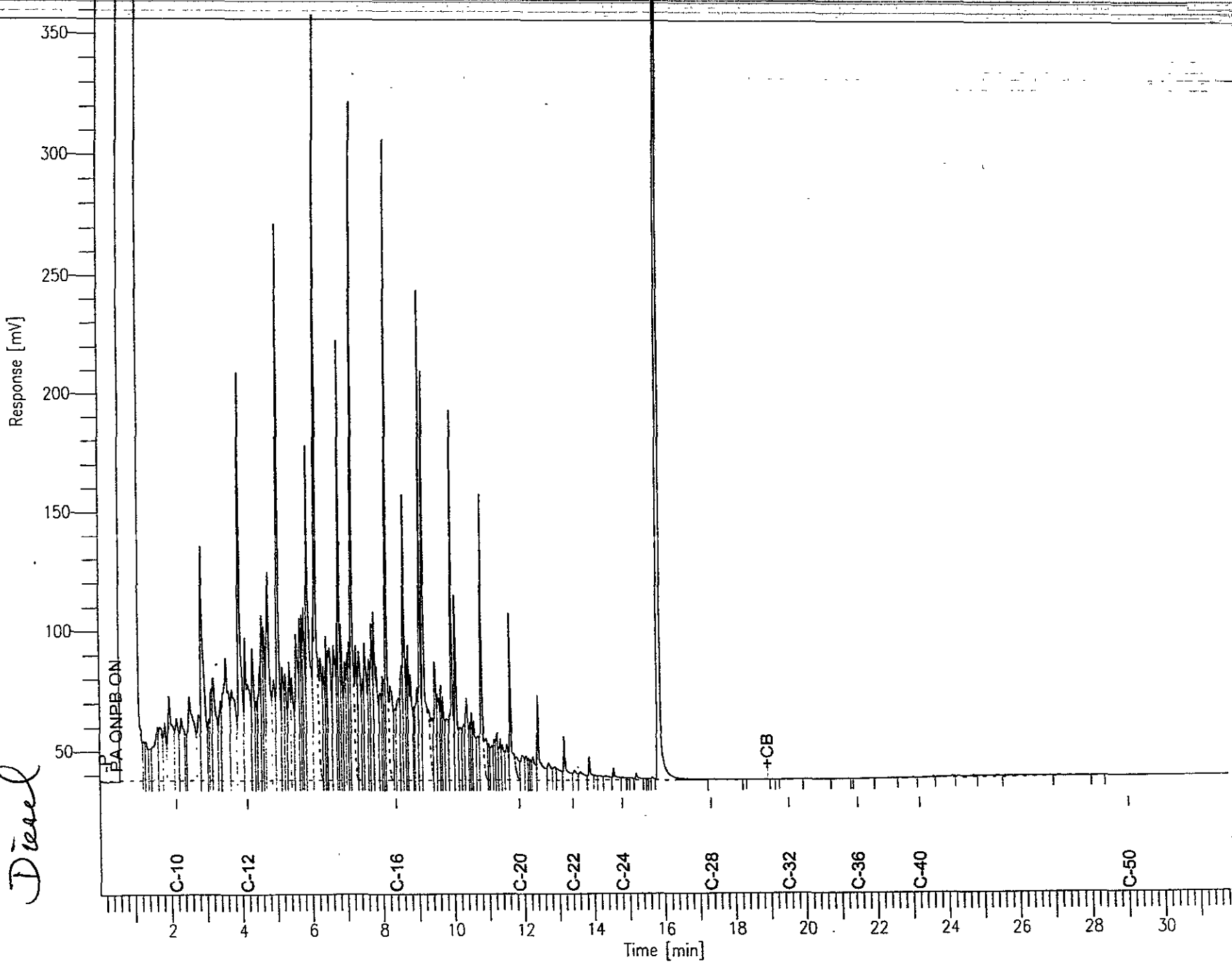
Sample Name : ccv_02ws0309_ds1
File Name : G:\GC13\CHB\059B002.RAW
Method : BTEH028.MTH
Start Time : 0.01 min
Scale Factor : 0.0

End Time : 31.83 min
Plot Offset: 30 mV

Sample #: 500mg/L
Date : 2/28/02 04:28 PM
Time of Injection: 2/28/02 02:56 PM
Low Point : 30.29 mV
Plot Scale: 358.7 mV

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High Point : 388.95 mV

Diesel



Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC171584	Batch#:	70472
Matrix:	Water	Prepared:	02/28/02
Units:	ug/L	Analyzed:	03/02/02

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,193	88	37-120

Surrogate	%REC	Limits
Hexacosane	81	39-137

Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	855.003	Analysis:	8015B (M)
Field ID:	ZZZZZZZZZZ	Batch#:	70472
MSS Lab ID:	157218-004	Sampled:	02/27/02
Matrix:	Water	Received:	02/27/02
Units:	ug/L	Prepared:	02/28/02
Diln Fac:	1.000		

Type: MS Analyzed: 03/06/02
 Lab ID: QC171585 Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	3,554	2,500	4,179	25 *	44-131

Surrogate	%REC	Limits
Hexacosane	78	39-137

Type: MSD Analyzed: 03/01/02
 Lab ID: QC171586 Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	6,018	99	44-131	36 *	26

Surrogate	%REC	Limits
Hexacosane	101	39-137

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Analysis:	8015B(M)
Project#:	855.003		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	02/26/02

Field ID:	TANK 1 BOTTOM	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	02/27/02
Lab ID:	157187-002	Analyzed:	03/02/02
Diln Fac:	2.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	69 H L Y	2.0

Surrogate	%REC	Limits
Hexacosane	69	48-137

Field ID:	TANK 2 BOTTOM	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	02/27/02
Lab ID:	157187-003	Analyzed:	03/01/02
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	34 H L Y	1.0

Surrogate	%REC	Limits
Hexacosane	79	48-137

Field ID:	TANK 3 BOTTOM	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	02/27/02
Lab ID:	157187-004	Analyzed:	03/06/02
Diln Fac:	5.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	220 H L Y	5.0

Surrogate	%REC	Limits
Hexacosane	67	48-137

Field ID:	TANK 4 BOTTOM	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	02/27/02
Lab ID:	157187-005	Analyzed:	03/01/02
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	12 H L Y	1.0

Surrogate	%REC	Limits
Hexacosane	78	48-137

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

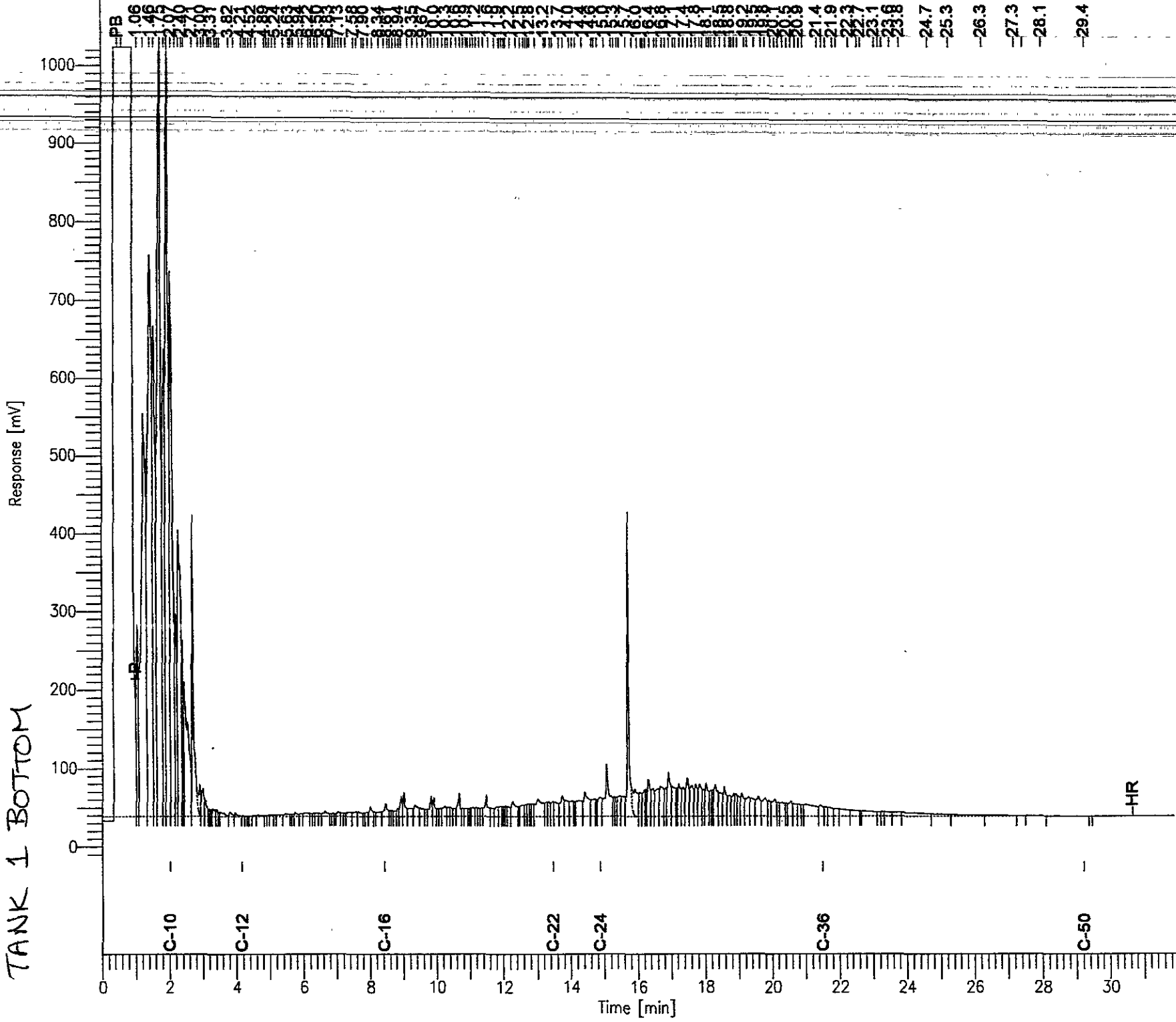
DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
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Chromatogram

Sample Name : 157187-0025g, 70455
File Name : G:\GC15\CHB\060B033.RAW
Method : BTEH036.MTH
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: 70455
Date : 03/02/2002 04:54 PM
Time of Injection: 03/02/2002 03:10 PM
Low Point : -18.87 mV
Plot Scale: 1042.9 mV
End Time : 31.90 min
Plot Offset: -19 mV
High Point : 1024.00 mV

TANK 1 BOTTOM



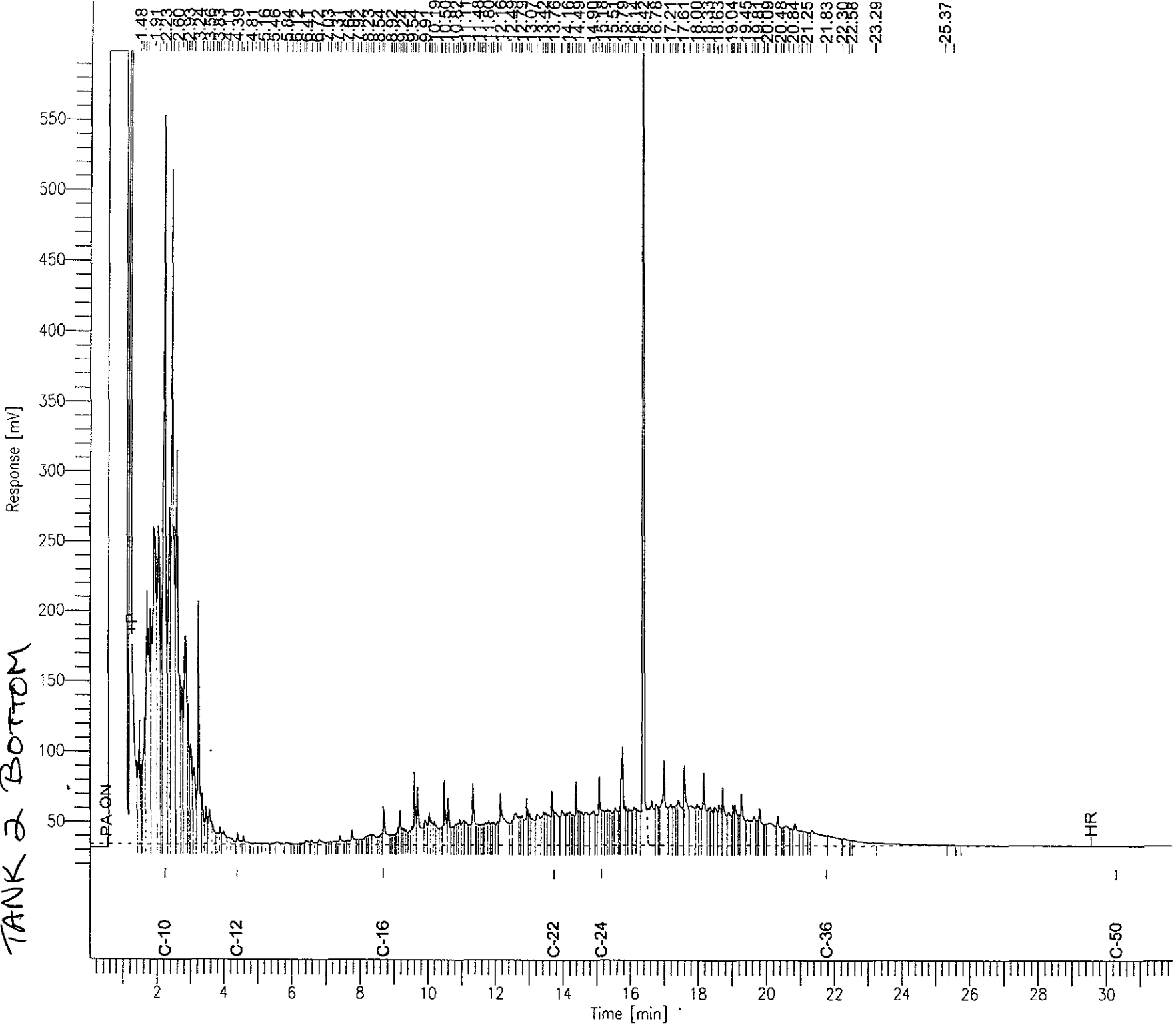
Chromatogram

Sample Name : 157187-003sg,70455
File Name : G:\GC11\CHA\060A011.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 70455
Date : 3/2/02 09:01 AM
Time of Injection: 3/1/02 08:14 PM
Low Point : 17.31 mV
Plot Scale: 582.2 mV

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End Time : 31.91 min
Plot Offset: 17 mV
High Point : 599.51 mV

TANK 2 BOTTOM



Chromatogram

Sample Name : 157187-004sg, 70455
FileName : G:\GC13\CHB\063B053.RAW
Method : BTEH028.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 12 mV

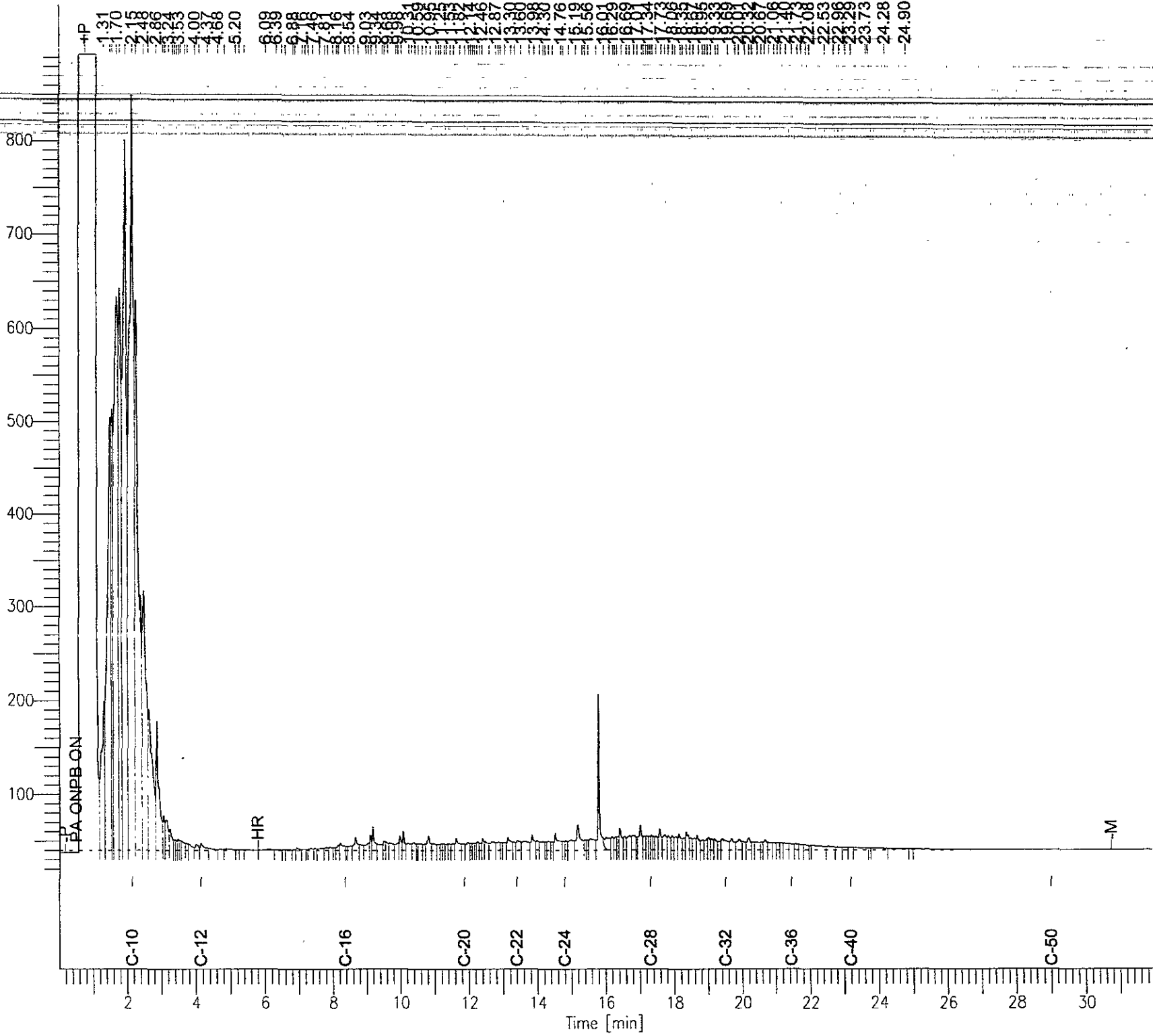
Sample #: 70455
Date : 3/6/02 08:17 AM
Time of Injection: 3/6/02 12:50 AM
Low Point : 11.74 mV
Plot Scale: 881.5 mV

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High Point : 893.24 mV

TANK 3 BOTTOM

Response [mV]



+P
1.31
1.70
2.48
3.24
3.53
4.00
4.37
5.20
6.39
6.88
7.48
8.16
8.83
9.50
10.17
10.84
11.51
12.18
12.85
13.52
14.19
14.86
15.53
16.20
16.87
17.54
18.21
18.88
19.55
20.22
20.89
21.56
22.23
22.90
23.57
24.24
24.91

Chromatogram

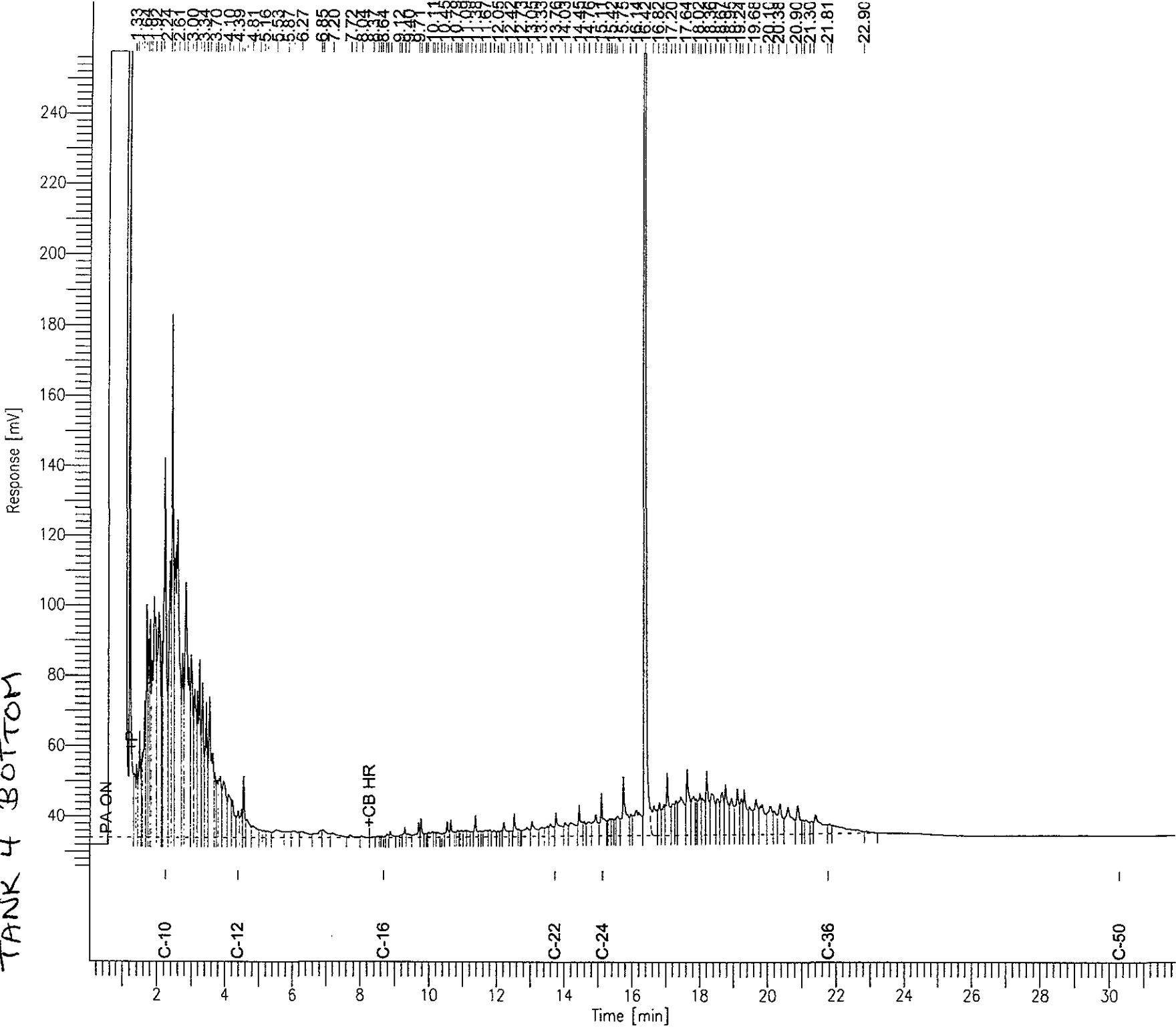
Sample Name : 157187-005sg,70455
FileName : G:\GC11\CHA\060A013.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor : 0.0

End Time : 31.91 min
Plot Offset: 25 mV

Sample #: 70455
Date : 3/2/02 09:02 AM
Time of Injection: 3/1/02 09:33 PM
Low Point : 24.84 mV
Plot Scale: 233.0 mV

Page 1 of 1
High Point : 257.81 mV

TANK 4 BOTTOM



Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Analysis:	8015B(M)
Project#:	855.003		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	02/26/02

Field ID:	E END @ 6'	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	02/27/02
Lab ID:	157187-006	Analyzed:	03/02/02
Diln Fac:	5.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	220 H L Y	5.0

Surrogate	%REC	Limits
Hexacosane	86	48-137

Field ID:	W END @ 6'	Sampled:	02/26/02
Type:	SAMPLE	Prepared:	03/01/02
Lab ID:	157187-007	Analyzed:	03/04/02
Diln Fac:	10.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	390 L Y	10

Surrogate	%REC	Limits
Hexacosane	DO	48-137

Field ID:	PIPES #1	Sampled:	02/26/02
Type:	SAMPLE	Prepared:	03/01/02
Lab ID:	157187-008	Analyzed:	03/02/02
Diln Fac:	1.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	68 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	84	48-137

Field ID:	PIPES #2	Sampled:	02/26/02
Type:	SAMPLE	Prepared:	03/01/02
Lab ID:	157187-009	Analyzed:	03/02/02
Diln Fac:	1.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	6.8 H Y	0.99

Surrogate	%REC	Limits
Hexacosane	76	48-137

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 3

Chromatogram

Sample Name : 157187-007sg,70491
Filename : G:\GC11\CHA\063A008.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

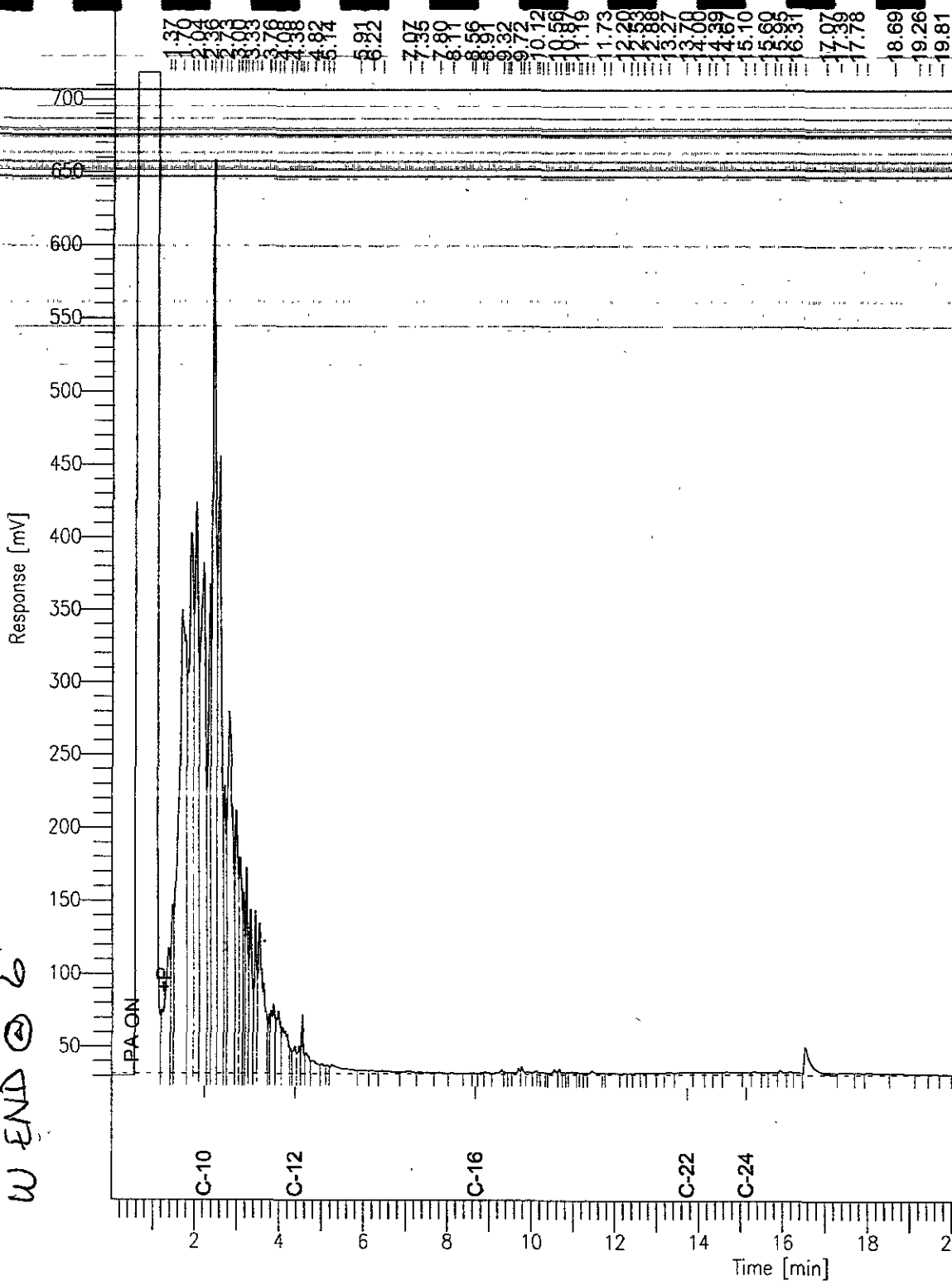
End Time : 31.91 min
Plot Offset: 23 mV

Sample #: 70491
Date : 3/4/02 03:02 PM
Time of Injection: 3/4/02 02:06 PM
Low Point : 23.04 mV
Plot Scale: 696.2 mV

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High Point : 719.19 mV

W END @ 6'



Chromatogram

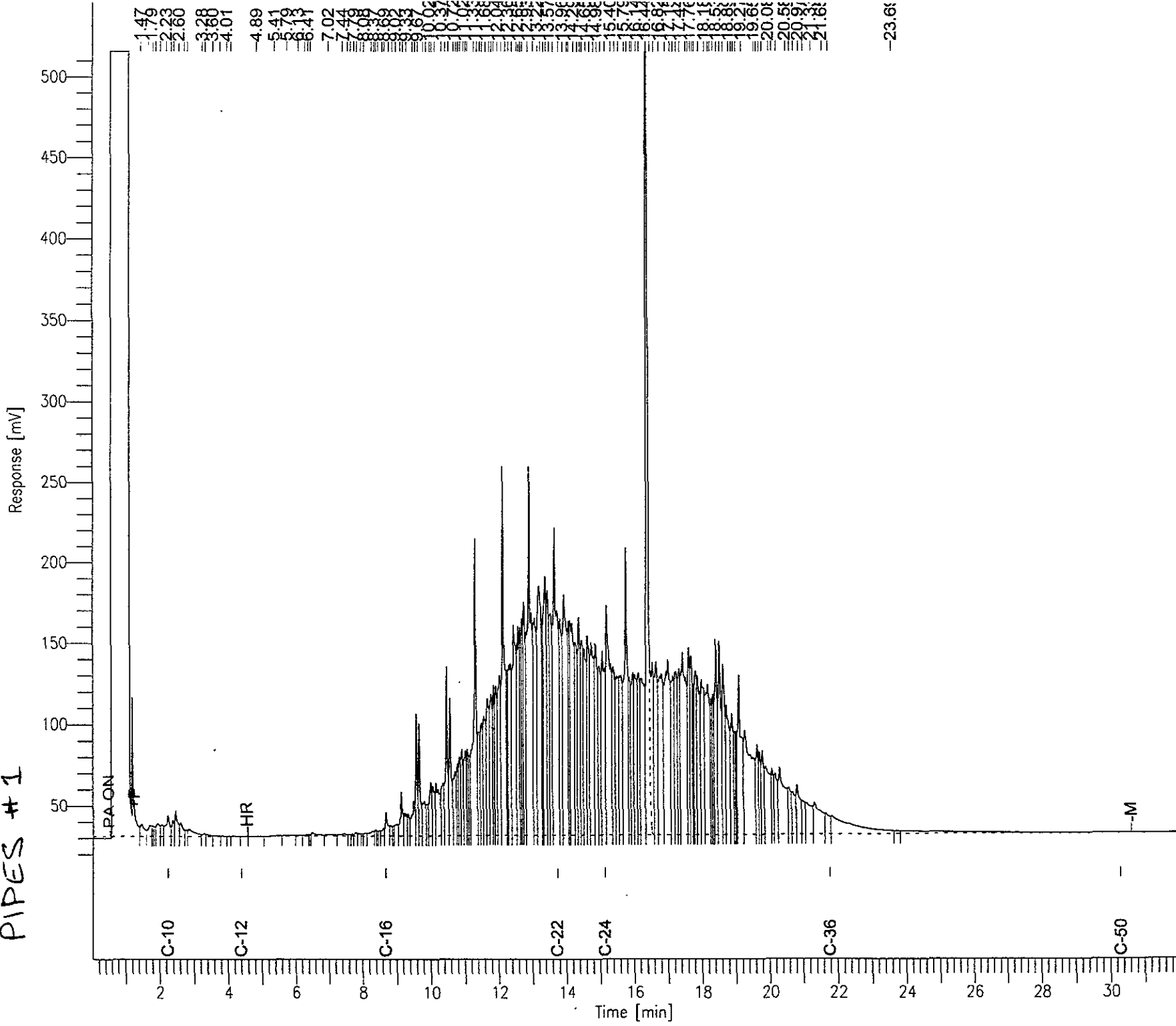
Sample Name : 157187-008sg,70491
Filename : G:\GC11\CHA\060A037.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 12 mV

Date : 3/2/02 03:45 PM
Time of Injection: 3/2/02 03:02 PM
Low Point : 11.65 mV
Plot Scale: 504.3 mV

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High Point : 515.95 mV

PIPES #1



Chromatogram

Sample Name : 157187-009sg,70491
FileName : G:\GC11\CHA\060A038.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 12 mV

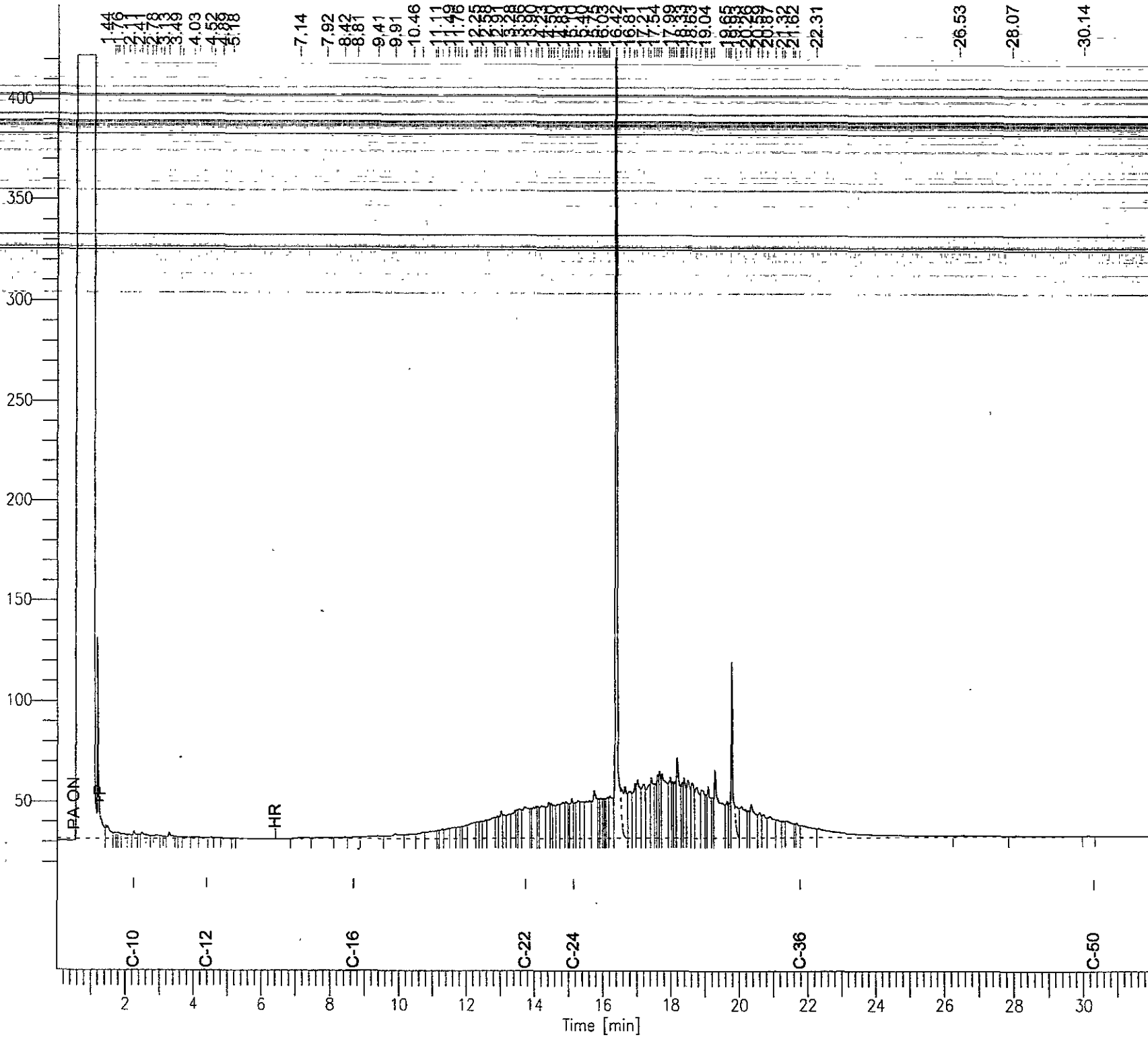
Sample #: 70491
Date : 3/2/02 05:04 PM
Time of Injection: 3/2/02 03:42 PM
Low Point : 12.11 mV
Plot Scale: 410.1 mV

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High Point : 422.22 mV

PIPES # 2

Response [mV]



Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Analysis:	8015B(M)
Project#:	855.003		
Matrix:	Soil	Basis:	as received
Units:	mg/Kg	Received:	02/26/02

Field ID:	INTERIOR SP	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	03/01/02
Lab ID:	157187-010	Analyzed:	03/02/02
Diln Fac:	1.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	45 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	82	48-137

Field ID:	EXTERIOR SP	Sampled:	02/25/02
Type:	SAMPLE	Prepared:	03/01/02
Lab ID:	157187-011	Analyzed:	03/02/02
Diln Fac:	1.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	34 H L Y	1.0

Surrogate	%REC	Limits
Hexacosane	69	48-137

Type:	BLANK	Prepared:	02/27/02
Lab ID:	QC171513	Analyzed:	03/01/02
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	70455	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	106	48-137

Type:	BLANK	Prepared:	03/01/02
Lab ID:	QC171648	Analyzed:	03/02/02
Diln Fac:	1.000	Prep:	EPA 3550
Batch#:	70491	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	71	48-137

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 3 of 3

Chromatogram

Sample Name : 157187-011sg,70491
FileName : G:\GC11\CHA\060A040.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

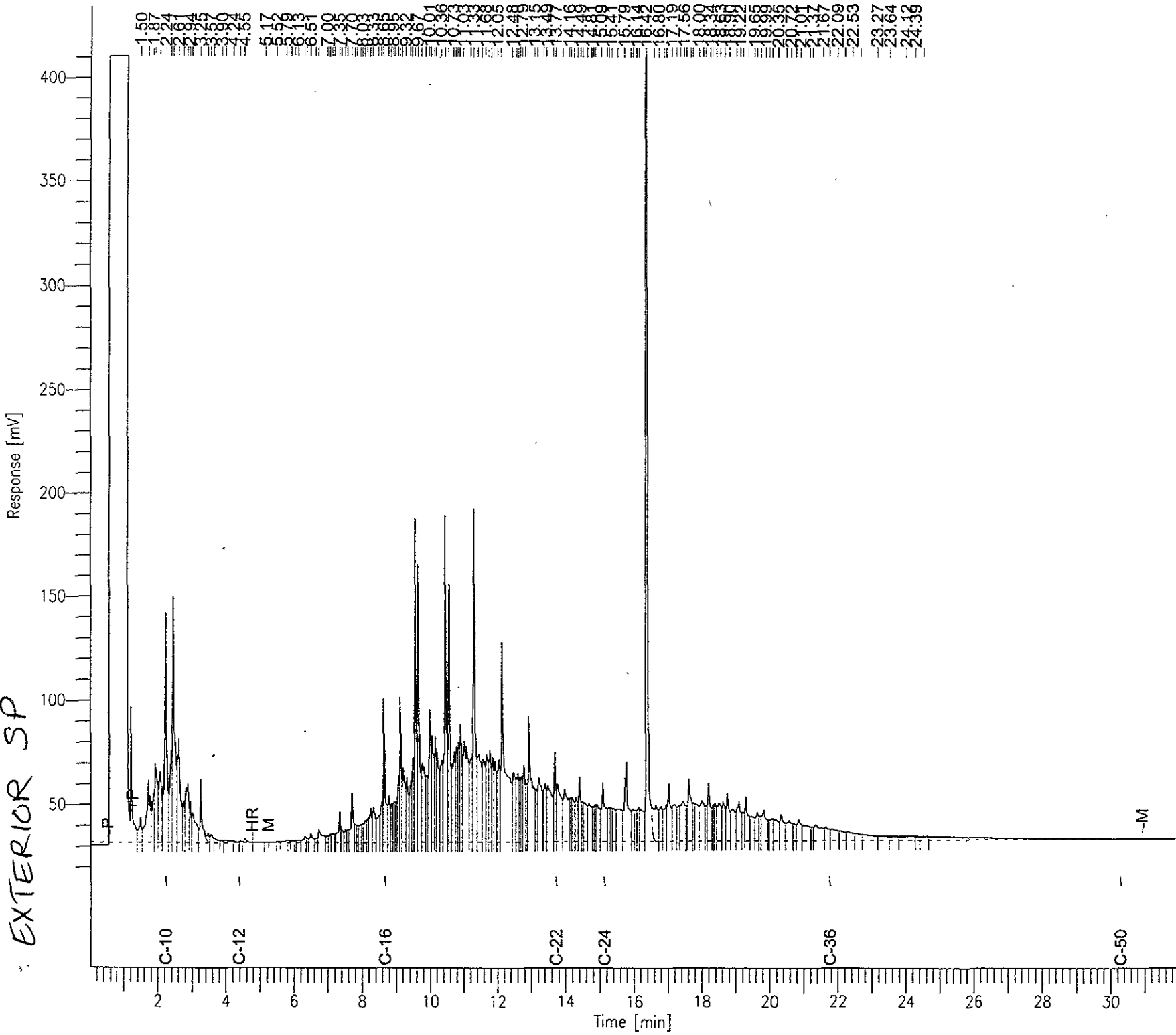
End Time : 31.91 min
Plot Offset: 16 mV

Sample #: 70491
Date : 3/4/02 08:06 AM
Time of Injection: 3/2/02 05:01 PM
Low Point : 15.82 mV
Plot Scale: 395.0 mV

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High Point : 410.86 mV

EXTERIOR SP



Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC171514	Batch#:	70455
Matrix:	Soil	Prepared:	02/27/02
Units:	mg/Kg	Analyzed:	03/01/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.77	45.19	91	67-121

Surrogate	%REC	Limits
Hexacosane	113	48-137

Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3550
Project#:	855.003	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC171649	Batch#:	70491
Matrix:	Soil	Prepared:	03/01/02
Units:	mg/Kg	Analyzed:	03/02/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limite
Diesel C10-C24	50.37	38.99	77	67-121

Surrogate	%REC	Limite
Hexacosane	71	48-137

Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	157209-003	Batch#:	70455
Matrix:	Soil	Sampled:	02/25/02
Units:	mg/Kg	Received:	02/27/02
Basis:	as received	Prepared:	02/27/02

Type: MS Analyzed: 03/05/02
 Lab ID: QC171515 Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	0.6428	50.21	42.21	83	35-146

Surrogate	%REC	Limits
Hexacosane	75	48-137

Type: MSD Analyzed: 03/01/02
 Lab ID: QC171516 Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.47	40.13	78	35-146	6	48

Surrogate	%REC	Limits
Hexacosane	71	48-137



Total Extractable Hydrocarbons

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3550
Project#:	855.003	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	70491
MSS Lab ID:	157225-001	Sampled:	02/27/02
Matrix:	Soil	Received:	02/28/02
Units:	mg/Kg	Prepared:	03/01/02
Basis:	as received	Analyzed:	03/02/02
Diln Fac:	1.000		

Type: MS
 Lab ID: QC171650

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	17.70	50.37	59.33	83	35-146

Surrogate	%REC	Limits
Hexacosane	87	48-137

Type: MSD
 Lab ID: QC171651

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.10	61.86	88	35-146	5	48

Surrogate	%REC	Limits
Hexacosane	84	48-137

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	EXTERIOR (1-4)	Batch#:	70488
Lab ID:	157187-001	Sampled:	02/25/02
Matrix:	Water	Received:	02/26/02
Units:	ug/L	Analyzed:	03/02/02
Diln Fac:	1.429		

Analyte	Result	RL
Freon 12	ND	14
Chloromethane	ND	14
Vinyl Chloride	ND	14
Bromomethane	ND	14
Chloroethane	ND	14
Trichlorofluoromethane	ND	7.1
Acetone	ND	29
Freon 113	ND	7.1
1,1-Dichloroethene	ND	7.1
Methylene Chloride	ND	29
Carbon Disulfide	ND	7.1
MTBE	ND	7.1
trans-1,2-Dichloroethene	ND	7.1
Vinyl Acetate	ND	71
1,1-Dichloroethane	ND	7.1
2-Butanone	ND	14
cis-1,2-Dichloroethene	9.6	7.1
2,2-Dichloropropane	ND	7.1
Chloroform	ND	7.1
Bromochloromethane	ND	14
1,1,1-Trichloroethane	ND	7.1
1,1-Dichloropropene	ND	7.1
Carbon Tetrachloride	ND	7.1
1,2-Dichloroethane	ND	7.1
Benzene	ND	7.1
Trichloroethene	ND	7.1
1,2-Dichloropropane	ND	7.1
Bromodichloromethane	ND	7.1
Dibromomethane	ND	7.1
4-Methyl-2-Pentanone	ND	14
cis-1,3-Dichloropropene	ND	7.1
Toluene	ND	7.1
trans-1,3-Dichloropropene	ND	7.1
1,1,2-Trichloroethane	ND	7.1
2-Hexanone	ND	14
1,3-Dichloropropane	ND	7.1
Tetrachloroethene	83	7.1

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	EXTERIOR	Batch#:	70488
Lab ID:	157187-001	Sampled:	02/25/02
Matrix:	Water	Received:	02/26/02
Units:	ug/L	Analyzed:	03/02/02
Diln Fac:	1.429		

Analyte	Result	RL
Dibromochloromethane	ND	7.1
1,2-Dibromoethane	ND	7.1
Chlorobenzene	ND	7.1
1,1,1,2-Tetrachloroethane	ND	7.1
Ethylbenzene	ND	7.1
m,p-Xylenes	12	7.1
o-Xylene	12	7.1
Styrene	ND	7.1
Bromoform	ND	7.1
Isopropylbenzene	10	7.1
1,1,2,2-Tetrachloroethane	ND	7.1
1,2,3-Trichloropropane	ND	7.1
Propylbenzene	29	7.1
Bromobenzene	ND	7.1
1,3,5-Trimethylbenzene	62	7.1
2-Chlorotoluene	ND	7.1
4-Chlorotoluene	ND	7.1
tert-Butylbenzene	ND	7.1
1,2,4-Trimethylbenzene	150	7.1
sec-Butylbenzene	26	7.1
para-Isopropyl Toluene	36	7.1
1,3-Dichlorobenzene	ND	7.1
1,4-Dichlorobenzene	ND	7.1
n-Butylbenzene	41	7.1
1,2-Dichlorobenzene	ND	7.1
1,2-Dibromo-3-Chloropropane	ND	7.1
1,2,4-Trichlorobenzene	ND	7.1
Hexachlorobutadiene	ND	7.1
Naphthalene	ND	7.1
1,2,3-Trichlorobenzene	ND	7.1

Surrogate	*REC	Limits
Dibromofluoromethane	108	80-121
1,2-Dichloroethane-d4	110	77-130
Toluene-d8	95	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171636	Batch#:	70488
Matrix:	Water	Analyzed:	03/01/02
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171636	Batch#:	70488
Matrix:	Water	Analyzed:	03/01/02
Units:	ug/L		

Analyte	Result	RL
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	80-121
1,2-Dichloroethane-d4	106	77-130
Toluene-d8	93	80-120
Bromofluorobenzene	108	80-120

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171637	Batch#:	70488
Matrix:	Water	Analyzed:	03/01/02
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC171637	Batch#:	70488
Matrix:	Water	Analyzed:	03/01/02
Units:	ug/L		

Analyte	Result	RL
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	%RSC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	105	77-130
Toluene-d8	95	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC171635	Batch#:	70488
Matrix:	Water	Analyzed:	03/01/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	45.19	90	71-131
Benzene	50.00	46.53	93	76-120
Trichloroethene	50.00	45.01	90	78-120
Toluene	50.00	49.19	98	79-120
Chlorobenzene	50.00	51.36	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	105	77-130
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-120



Purgeable Organics by GC/MS			
Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	70488
MSS Lab ID:	157211-011	Sampled:	02/26/02
Matrix:	Water	Received:	02/26/02
Units:	ug/L	Analyzed:	03/01/02
Diln Fac:	1.000		

Type: MS Lab ID: QC171638

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1500	50.00	51.32	100	71-134
Benzene	<0.2700	50.00	48.46	97	79-120
Trichloroethene	<0.2900	50.00	47.27	95	47-141
Toluene	<0.2600	50.00	48.79	98	75-120
Chlorobenzene	<0.2800	50.00	52.92	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	108	77-130
Toluene-d8	93	80-120
Bromofluorobenzene	102	80-120

Type: MSD Lab ID: QC171639

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	52.70	105	71-134	3	20
Benzene	50.00	48.34	97	79-120	0	20
Trichloroethene	50.00	46.40	93	47-141	2	20
Toluene	50.00	48.37	97	75-120	1	20
Chlorobenzene	50.00	50.80	102	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-121
1,2-Dichloroethane-d4	105	77-130
Toluene-d8	95	80-120
Bromofluorobenzene	103	80-120

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 1 BOTTOM	Diln Fac:	25.00
Lab ID:	157187-002	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RI
Freon 12	ND	250
Chloromethane	ND	250
Vinyl Chloride	ND	250
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	130
Acetone	ND	500
Freon 113	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	500
Carbon Disulfide	ND	130
MTBE	ND	130
trans-1,2-Dichloroethene	ND	130
Vinyl Acetate	ND	1,300
1,1-Dichloroethane	ND	130
2-Butanone	ND	250
cis-1,2-Dichloroethene	ND	130
2,2-Dichloropropane	ND	130
Chloroform	ND	130
Bromochloromethane	ND	130
1,1,1-Trichloroethane	ND	130
1,1-Dichloropropene	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Benzene	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
Dibromomethane	ND	130
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	130
Toluene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
2-Hexanone	ND	250
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	130

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 1 BOTTOM	Diln Fac:	25.00
Lab ID:	157187-002	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RI
Dibromochloromethane	ND	130
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	130
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	ND	130
m,p-Xylenes	ND	130
o-Xylene	ND	130
Styrene	ND	130
Bromoform	ND	130
Isopropylbenzene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,2,3-Trichloropropane	ND	130
Propylbenzene	ND	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	ND	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	230	130
sec-Butylbenzene	ND	130
para-Isopropyl Toluene	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
n-Butylbenzene	ND	130
1,2-Dichlorobenzene	ND	130
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	130
Naphthalene	ND	130
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	109	63-133
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	103	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 2 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-003	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	500
Chloromethane	ND	500
Vinyl Chloride	ND	500
Bromomethane	ND	500
Chloroethane	ND	500
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 2 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-003	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	ND	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	300	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	680	250
sec-Butylbenzene	290	250
para-Isopropyl Toluene	370	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	550	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	VRAC	Limits
Dibromofluoromethane	91	63-133
1,2-Dichloroethane-d4	91	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 3 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-004	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	500
Chloromethane	ND	500
Vinyl Chloride	ND	500
Bromomethane	ND	500
Chloroethane	ND	500
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	310	250

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 3 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-004	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RI
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	570	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	680	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	1,600	250
sec-Butylbenzene	960	250
para-Isopropyl Toluene	930	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	1,500	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	85	63-133
1,2-Dichloroethane-d4	91	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	116	77-126

ND= Not Detected

RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 4 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-005	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	500
Chloromethane	ND	500
Vinyl Chloride	ND	500
Bromomethane	ND	500
Chloroethane	ND	500
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 4 BOTTOM	Diln Fac:	50.00
Lab ID:	157187-005	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	740	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	1,700	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	840	250
sec-Butylbenzene	2,100	250
para-Isopropyl Toluene	940	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	1,900	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	660	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	REC	Limits
Dibromofluoromethane	113	63-133
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	98	80-111
Bromofluorobenzene	118	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	E END @ 6'	Diln Fac:	50.00
Lab ID:	157187-006	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	500
Chloromethane	ND	500
Vinyl Chloride	ND	500
Bromomethane	ND	500
Chloroethane	ND	500
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	950	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	1,300	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	3,200	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	E END @ 6'	Diln Fac:	50.00
Lab ID:	157187-006	Batch#:	70694
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	1,700	250
para-Isopropyl Toluene	920	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	2,400	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	REC	Limits
Dibromofluoromethane	85	63-133
1,2-Dichloroethane-d4	90	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	130 *	77-126

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	W END @ 6'	Diln Fac:	50.00
Lab ID:	157187-007	Batch#:	70694
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	500
Chloromethane	ND	500
Vinyl Chloride	ND	500
Bromomethane	ND	500
Chloroethane	ND	500
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	W END @ 6'	Diln Fac:	50.00
Lab ID:	157187-007	Batch#:	70694
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	520	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	1,300	250
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	1,100	250
sec-Butylbenzene	1,700	250
para-Isopropyl Toluene	890	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	1,700	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	ND	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	92	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	114	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIPES #1	Diln Fac:	1.000
Lab ID:	157187-008	Batch#:	70728
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/11/02

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	5.0
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



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIPES #1	Diln Fac:	1.000
Lab ID:	157187-008	Batch#:	70728
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/11/02

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	63-133
1,2-Dichloroethane-d4	106	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	102	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIPES #2	Diln Fac:	0.9804
Lab ID:	157187-009	Batch#:	70728
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/11/02

Analyte	Result	RI
Freon 12	ND	9.8
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	PIPES #2	Diln Fac:	0.9804
Lab ID:	157187-009	Batch#:	70728
Matrix:	Soil	Sampled:	02/26/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/11/02

Analyte	Result	RL
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	104	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	INTERIOR SP	Diln Fac:	0.9615
Lab ID:	157187-010	Batch#:	70629
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/07/02

Analyte	Result	RL
Freon 12	ND	9.6
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	INTERIOR SP	Diln Fac:	0.9615
Lab ID:	157187-010	Batch#:	70629
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/07/02

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	106	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	EXTERIOR SP	Diln Fac:	0.9615
Lab ID:	157187-011	Batch#:	70629
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/07/02

Analyte	Result	RL
Freon 12	ND	9.6
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	EXTERIOR SP	Diln Fac:	0.9615
Lab ID:	157187-011	Batch#:	70629
Matrix:	Soil	Sampled:	02/25/02
Units:	ug/Kg	Received:	02/26/02
Basis:	as received	Analyzed:	03/07/02

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	SRRC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	99	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172166	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70629
Units:	ug/Kg	Analyzed:	03/06/02

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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172166	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70629
Units:	ug/Kg	Analyzed:	03/06/02

Analyte	Result	RL
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	101	63-133
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	102	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70629
Units:	ug/Kg	Analyzed:	03/06/02

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	5.0
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
Dibromochloromethane	ND	5.0

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70629
Units:	ug/Kg	Analyzed:	03/06/02

Analyte	Result	RL
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	103	63-133
1,2-Dichloroethane-d4	104	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	101	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC172434	Batch#:	70694
Matrix:	Water	Analyzed:	03/08/02
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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC172434	Batch#:	70694
Matrix:	Water	Analyzed:	03/08/02
Units:	ug/L		

Analyte	Result	RL
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	98	63-133
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	101	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC172437	Batch#:	70694
Matrix:	Water	Analyzed:	03/08/02
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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC172437	Batch#:	70694
Matrix:	Water	Analyzed:	03/08/02
Units:	ug/L		

Analyte	Result	RI
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	95	63-133
1,2-Dichloroethane-d4	96	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	98	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172566	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70728
Units:	ug/Kg	Analyzed:	03/11/02

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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172566	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70728
Units:	ug/Kg	Analyzed:	03/11/02

Analyte	Result	RL
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	101	63-133
1,2-Dichloroethane-d4	102	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	99	77-126

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172567	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70728
Units:	ug/Kg	Analyzed:	03/11/02

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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172567	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70728
Units:	ug/Kg	Analyzed:	03/11/02

Analyte	Result	RL
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	99	63-133
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC172165	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70629
Units:	ug/Kg	Analyzed:	03/06/02

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	53.23	106	70-131
Benzene	50.00	50.95	102	77-120
Trichloroethene	50.00	53.08	106	79-120
Toluene	50.00	51.08	102	80-120
Chlorobenzene	50.00	50.82	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126



Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC172438	Batch#:	70694
Matrix:	Water	Analyzed:	03/08/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limit
1,1-Dichloroethene	50.00	53.78	108	70-131
Benzene	50.00	52.47	105	77-120
Trichloroethene	50.00	54.70	109	79-120
Toluene	50.00	52.74	105	80-120
Chlorobenzene	50.00	52.32	105	80-120

Surrogate	%REC	Limit
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	92	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	101	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC172565	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70728
Units:	ug/Kg	Analyzed:	03/11/02

Analyte	Spiked	Result	YREC	Limits
1,1-Dichloroethene	50.00	56.64	113	70-131
Benzene	50.00	52.24	104	77-120
Trichloroethene	50.00	52.63	105	79-120
Toluene	50.00	50.34	101	80-120
Chlorobenzene	50.00	49.49	99	80-120

Surrogate	YREC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	101	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9804
MSS Lab ID:	157166-039	Batch#:	70629
Matrix:	Soil	Sampled:	02/21/02
Units:	ug/Kg	Received:	02/22/02
Basis:	as received	Analyzed:	03/06/02

Type: MS Lab ID: QC172191

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.3000	49.02	50.55	103	57-134
Benzene	<0.2600	49.02	47.14	96	55-125
Trichloroethene	<0.2900	49.02	49.63	101	37-133
Toluene	<0.3100	49.02	47.67	97	48-131
Chlorobenzene	<0.2300	49.02	47.36	97	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	105	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	105	77-126

Type: MSD Lab ID: QC172192

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.02	51.75	106	57-134	2	20
Benzene	49.02	47.95	98	55-125	2	20
Trichloroethene	49.02	49.86	102	37-133	0	21
Toluene	49.02	47.84	98	48-131	0	20
Chlorobenzene	49.02	45.38	93	42-128	4	23

Surrogate	%REC	Limits
Dibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	107	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	101	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	70694
MSS Lab ID:	157277-001	Sampled:	02/28/02
Matrix:	TCLP Leachate	Received:	03/01/02
Units:	ug/L	Analyzed:	03/08/02
Diln Fac:	1.000		

Type: MS Lab ID: QC172443

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2700	50.00	53.82	108	57-134
Benzene	<0.1400	50.00	52.97	106	55-125
Trichloroethene	<0.3700	50.00	54.19	108	37-133
Toluene	0.2658	50.00	52.60	105	48-131
Chlorobenzene	<0.06800	50.00	53.27	107	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	97	63-133
1,2-Dichloroethane-d4	95	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	99	77-126

Type: MSD Lab ID: QC172444

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	52.57	105	57-134	2	20
Benzene	50.00	50.81	102	55-125	4	20
Trichloroethene	50.00	53.05	106	37-133	2	21
Toluene	50.00	50.25	100	48-131	5	20
Chlorobenzene	50.00	51.11	102	42-128	4	23

Surrogate	%REC	Limits
Dibromofluoromethane	97	63-133
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	99	77-126

Purgeable Organics by GC/MS

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.042
MSS Lab ID:	157364-003	Batch#:	70728
Matrix:	Soil	Sampled:	03/06/02
Units:	ug/Kg	Received:	03/06/02
Basis:	as received	Analyzed:	03/12/02

Type: MS Lab ID: QC172594

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.3200	52.08	49.60	95	57-134
Benzene	<0.2800	52.08	46.27	89	55-125
Trichloroethene	<0.3000	52.08	48.68	93	37-133
Toluene	<0.3300	52.08	44.65	86	48-131
Chlorobenzene	<0.2500	52.08	39.95	77	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	108	63-133
1,2-Dichloroethane-d4	112	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	104	77-126

Type: MSD Lab ID: QC172595

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	52.08	47.67	92	57-134	4	20
Benzene	52.08	44.55	86	55-125	4	20
Trichloroethene	52.08	46.83	90	37-133	4	21
Toluene	52.08	42.60	82	48-131	5	20
Chlorobenzene	52.08	37.17	71	42-128	7	23

Surrogate	%REC	Limits
Dibromofluoromethane	108	63-133
1,2-Dichloroethane-d4	111	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	103	77-126

California LUFT Metals

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3050
Project#:	855.003	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	02/25/02
Units:	mg/Kg	Received:	02/26/02
Basis:	as received	Prepared:	02/28/02
Batch#:	70465	Analyzed:	03/01/02

Field ID: INTERIOR SP Lab ID: 157187-010
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Cadmium	2.8	0.24
Chromium	21	0.49
Lead	8.9	0.15
Nickel	29	0.98
Zinc	66	0.98

Field ID: EXTERIOR SP Lab ID: 157187-011
 Type: SAMPLE

Analyte	Result	RL	Diln Fac
Cadmium	1.7	0.20	1.000
Chromium	12	0.41	1.000
Lead	200	0.12	1.000
Nickel	63	0.81	1.000
Zinc	600	16	20.00

Type: BLANK Diln Fac: 1.000
 Lab ID: QC171555

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.50
Lead	ND	0.15
Nickel	ND	1.0
Zinc	ND	1.0

California LUFT Metals

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3050
Project#:	855.003	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	70465
Units:	mg/Kg	Prepared:	02/28/02
Basis:	as received	Analyzed:	03/01/02
Diln Fac:	1.000		

Type: BS Lab ID: QC171556

Analyte	Spiked	Result	NRIC	Limit
Cadmium	10.00	9.650	97	69-120
Chromium	100.0	98.50	99	72-120
Lead	100.0	99.50	100	70-120
Nickel	25.00	24.70	99	72-120
Zinc	25.00	24.65	99	65-120

Type: BSD Lab ID: QC171557

Analyte	Spiked	Result	NRIC	Limit	RPD	Lim
Cadmium	10.00	9.700	97	69-120	1	20
Chromium	100.0	99.00	99	72-120	1	20
Lead	100.0	100.0	100	70-120	1	20
Nickel	25.00	24.90	100	72-120	1	20
Zinc	25.00	24.85	99	65-120	1	20

California LUFT Metals

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3050
Project#:	855.003	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Basis:	as received
Type:	SDUP	Batch#:	70465
MSS Lab ID:	157163-001	Sampled:	02/22/02
Lab ID:	QC171559	Received:	02/22/02
Matrix:	Soil	Prepared:	02/28/02
Units:	mg/Kg	Analyzed:	03/01/02

Analyte	MSS Result	Result	RL	RPD	Lim	Diln	Fac
Cadmium	3.907	4.368	0.25	11	26	1.000	
Chromium	44.53	50.00	0.49	12	33	1.000	
Lead	54.66	54.90	0.15	0	39	1.000	
Nickel	42.11	40.44	0.98	4	37	1.000	
Zinc	281.0	335.3	20	18	38	20.00	

California LUFT Metals

Lab #:	157187	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3050
Project#:	855.003	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	70465
MSS Lab ID:	157163-001	Sampled:	02/22/02
Lab ID:	QC171558	Received:	02/22/02
Matrix:	Soil	Prepared:	02/28/02
Units:	mg/Kg	Analyzed:	03/01/02
Basis:	as received		

Analyte	MSS Result	Spiked	Result	MPC	Limit
Cadmium	3.907	8.368	9.582	68	43-120
Chromium	44.53	83.68	110.0	78	62-145
Lead	54.66	83.68	106.3	62	46-128
Nickel	42.11	20.92	53.56	55	62-141
Zinc	281.0	20.92	207.5 >LR	-35	NM 55-150

*= Value outside of QC limits; see narrative

NM= Not Meaningful

>LR= Response exceeds instrument's linear range



ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

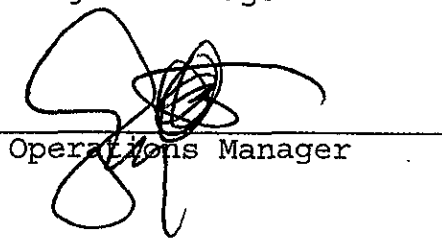
Date: 26-MAR-02
Lab Job Number: 157318
Project ID: 855.003
Location: 1137-1167 65th Street

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

This package may be reproduced only in its entirety.



Laboratory Number: **157318**
Client: **Subsurface Consultants, Inc.**
Project Name: **1137-1167 65th St.**

Receipt Date: **03/05/02**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for two soil samples received from the above referenced project. The samples were received cold and intact.

Total Volatile Hydrocarbons: The bromofluorobenzene surrogate recovery for sample TANK 6 S. WALL @ 5.0 (157318-002) was above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated trifluorotoluene surrogate recovery was acceptable, therefore, there is no effect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons: No analytical problems were encountered.

Volatile Organic Compounds: The bromofluorobenzene surrogate recovery for sample TANK 6 S. WALL @ 5.0 (157318-002) was above acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. No other analytical problems were encountered.

157318

CHAIN OF CUSTODY

PROJECT NAME: 1137-1167 65th St.
 JOB NUMBER: 855.003
 PROJECT CONTACT: E. Silverman
 SAMPLED BY: P. Silverman

LAB: Curtis & Tompkins
 TURNAROUND: Standard
 REQUESTED BY: E. Silverman

ANALYSIS REQUESTED									
TPH-B, PPEB, MPEB (8015 and 8020)	TPH as Diesel - using silica gel clean up (80)	VOCs (8260)	CAM 17 Title 22 Metals (60107000)	Lead (6010)	TPH - Standard	TPH - Naphthalene	EDF Format	Chromatograms	
					X	X			X
					X	X			X

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX			CONTAINERS			PRESERVATIVE			SAMPLING DATE				NOTES				
		WATER	SOIL	AIR	VOA	LITER	PINT	TUBE	HCL	H ₂ SO ₄	HNO ₃	ICE	OTHER	NONE		MONTH	DAY	YEAR	TIME
-001	Tank 6 Wall 1137		X								X			0	30	50	21	320	(1)
-002	Tank 6 SWall 1137		X								X			0	30	50	21	330	(2)

Received Cold Ambient Intact

On Ice Intact

Preservation Correct?

Yes No N/A

CHAIN OF CUSTODY RECORD			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
<i>E. Silverman</i>	3/5/02 13:56	<i>Pat Plumm</i>	3/5/02 13:38
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:
 Diesel Naphthalene & Silica gel clean up all. sil & get clean up.



Subsurface Consultants, Inc.

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



Gasoline by GC/FID CA LUFT

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Matrix:	Soil	Sampled:	03/05/02
Units:	mg/Kg	Received:	03/05/02
Basis:	as received		

Field ID: TANK 6 N. WALL @ 2.0 Diln Fac: 1.000
 Type: SAMPLE Batch#: 70642
 Lab ID: 157318-001 Analyzed: 03/07/02

Analyte	Result	RL
Gasoline C7-C12	ND	0.98
Stoddard Solvent C7-C12	ND	0.98
Naphtha C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	58-144
Bromofluorobenzene (FID)	109	60-146

Field ID: TANK 6 S. WALL @ 5.0 Diln Fac: 10.00
 Type: SAMPLE Batch#: 70940
 Lab ID: 157318-002 Analyzed: 03/18/02

Analyte	Result	RL
Gasoline C7-C12	310 H Y	10
Stoddard Solvent C7-C12	270	10
Naphtha C7-C12	140 H Y	10

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	58-144
Bromofluorobenzene (FID)	283 *	>LR b 60-146

*= Value outside of QC limits; see narrative

H= Heavier hydrocarbons contributed to the quantitation

Y= Sample exhibits fuel pattern which does not resemble standard

b= See narrative

ND= Not Detected

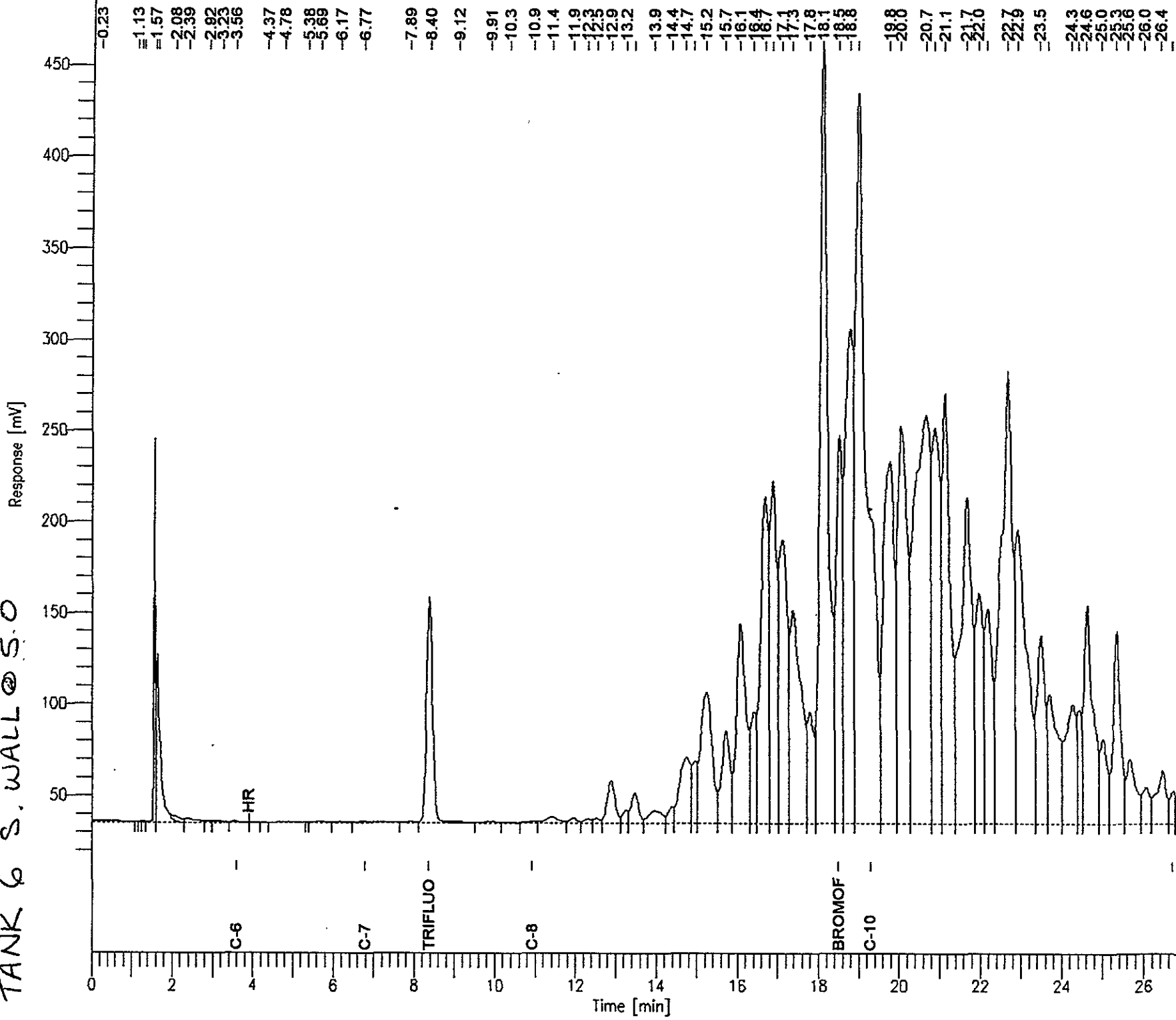
RL= Reporting Limit

>LR= Response exceeds instrument's linear range

GC19 TVH 'X' Data File (FID)

Sample Name : 157318-002,70940
File Name : G:\GC19\DATA\077X012.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor : 1.0
End Time : 26.80 min
Plot Offset : 14 mV
Sample #: A
Date : 3/19/02 11:22 AM
Time of Injection: 3/18/02 08:38 PM
Low Point : 13.90 mV
Plot Scale: 445.0 mV
High Point : 458.94 mV

TANK & S. WALL @ S.O



GC19 TVH 'X' Data File (FID)

Page 1 of 1

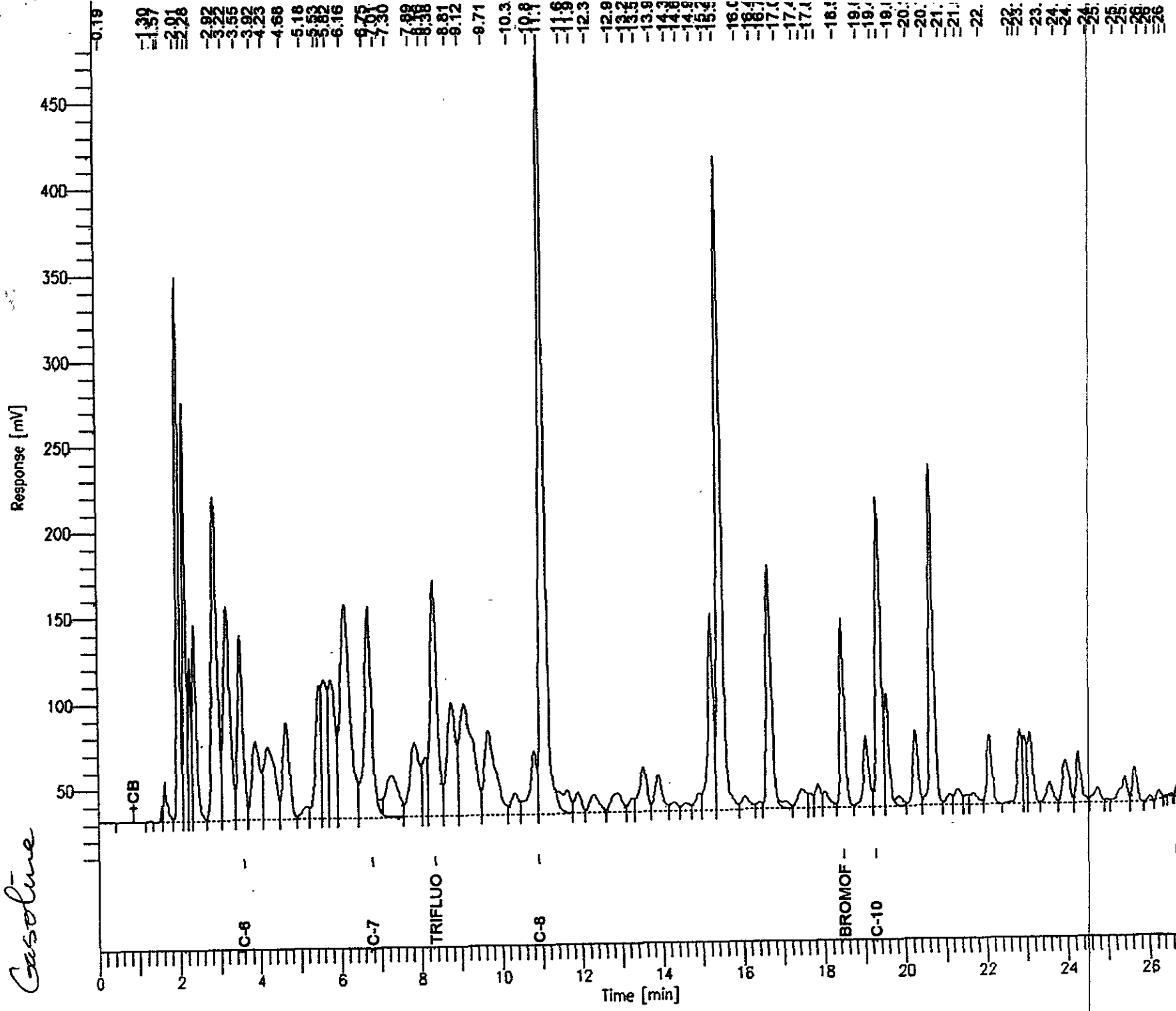
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 Method : TVHBYE
 Start Time : 0.00 min
 Scale Factor: 1.0

Sample #: _____
 Date : 3/6/02 09:53 PM
 Time of Injection: 3/6/02 09:26 PM
 Low Point : 9.22 mV
 Plot Scale: 472.6 mV

End Time : 26.80 min
 Plot Offset: 9 mV

High Point : 481.87 mV

Gasoline





Gasoline by GC/FID CA LUFT

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Type:	LCS	Basis:	as received
Lab ID:	QC172221	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70642
Units:	mg/Kg	Analyzed:	03/06/02

Analyte	Spiked	Result	NRRC	Limit
Gasoline C7-C12	10.00	9.641	96	78-110

Surrogate	NRRC	Limit
Trifluorotoluene (FID)	117	58-144
Bromofluorobenzene (FID)	101	60-146

Gasoline by GC/FID CA LUFT

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Type:	BS	Basis:	as received
Lab ID:	QC173345	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70940
Units:	mg/Kg	Analyzed:	03/18/02

Analyte	Spiked	Result	REC	Limits
Gasoline C7-C12	10.00	10.05	101	78-120

Surrogate	REC	Limits
Trifluorotoluene (FID)	123	58-144
Bromofluorobenzene (FID)	108	60-146



Gasoline by GC/FID CA LUFT

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Type:	BSD	Basis:	as received
Lab ID:	QC173452	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70940
Units:	mg/Kg	Analyzed:	03/18/02

Analyte	Spiked	Result	SRRC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.09	101	78-120	0	20

Surrogate	SRRC	Limits
Trifluorotoluene (FID)	116	58-144
Bromofluorobenzene (FID)	99	60-146

Gasoline by GC/FID CA LUFT

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	8015B(M)
Field ID:	TANK 6 N. WALL @ 2.0	Diln Fac:	1.000
MSS Lab ID:	157318-001	Batch#:	70642
Matrix:	Soil	Sampled:	03/05/02
Units:	mg/Kg	Received:	03/05/02
Basis:	as received	Analyzed:	03/18/02

Type: MS Lab ID: QC172223

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1936	9.615	6.655	67	44-133

Surrogate	%REC	Limits
Trifluorotoluene (FID)	142	58-144
Bromofluorobenzene (FID)	109	60-146

Type: MSD Lab ID: QC172224

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	6.669	65	44-133	4	31

Surrogate	%REC	Limits
Trifluorotoluene (FID)	144	58-144
Bromofluorobenzene (FID)	116	60-146

Total Extractable Hydrocarbons

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B (M)
Matrix:	Soil	Sampled:	03/05/02
Units:	mg/Kg	Received:	03/05/02
Basis:	as received	Prepared:	03/06/02
Batch#:	70646		

Field ID: TANK 6 N. WALL @ 2.0 Diln Fac: 1.000
 Type: SAMPLE Analyzed: 03/07/02
 Lab ID: 157318-001 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	53 H L Y	1.0

Surrogate	%REC	Limits
Hexacosane	53	48-137

Field ID: TANK 6 S. WALL @ 5.0 Diln Fac: 5.000
 Type: SAMPLE Analyzed: 03/11/02
 Lab ID: 157318-002 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	260 L Y	5.0

Surrogate	%REC	Limits
Hexacosane	50	48-137

Type: BLANK Analyzed: 03/07/02
 Lab ID: QC172238 Cleanup Method: EPA 3630C
 Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	81	48-137

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Chromatogram

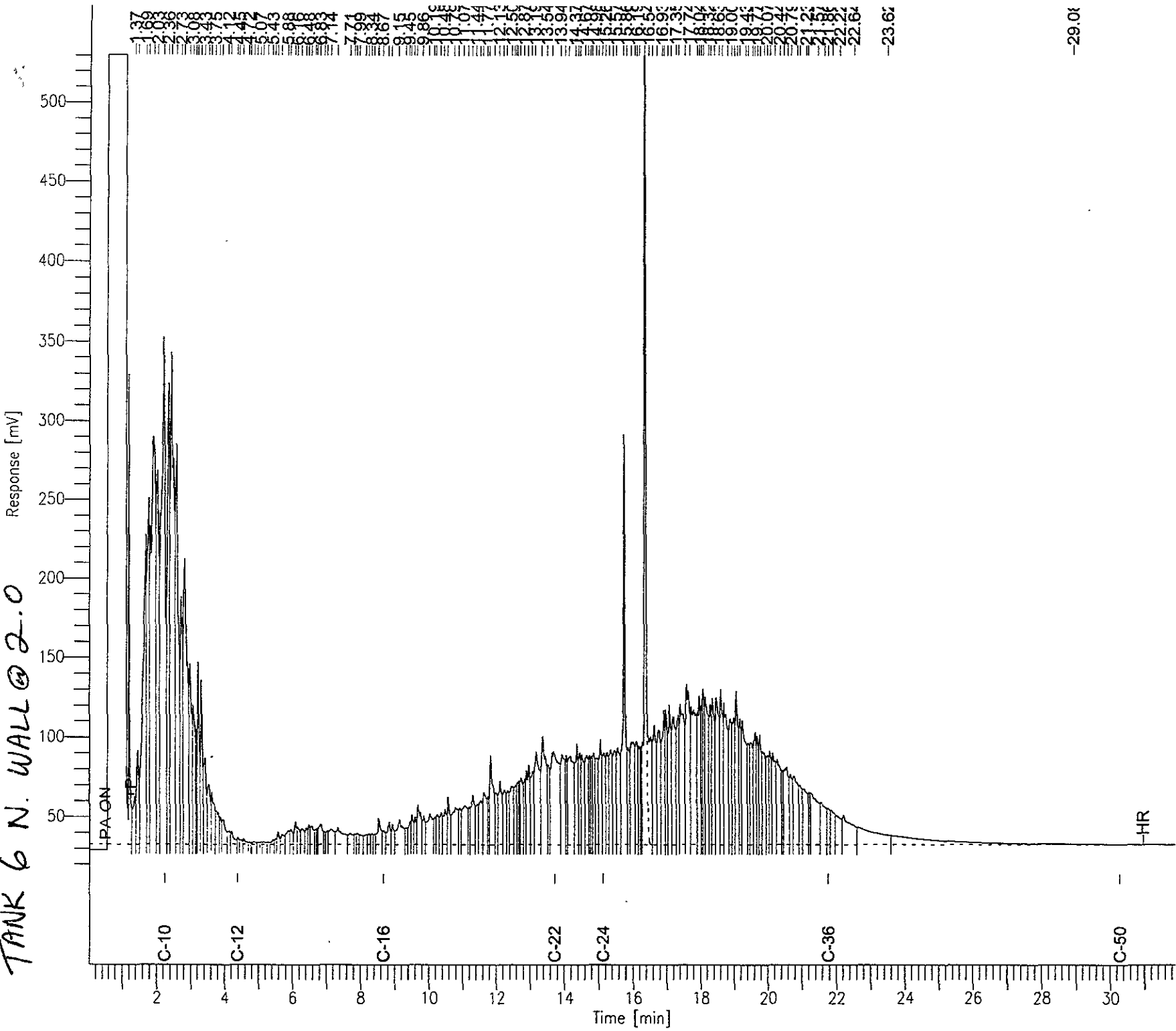
Sample Name : 157318-001sq,70646
File Name : G:\GC11\CHA\065A044.RAW
Method : ATEH057.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 70646
Date : 3/8/02 08:24 AM
Time of Injection: 3/7/02 11:18 PM
Low Point : 14.42 mV
Plot Scale: 516.1 mV

End Time : 31.91 min
Plot Offset: 14 mV

Page 1 of 1
High Point : 530.48 mV

TANK 6 N. WALL @ 2.0



-23.62

-29.01

Chromatogram

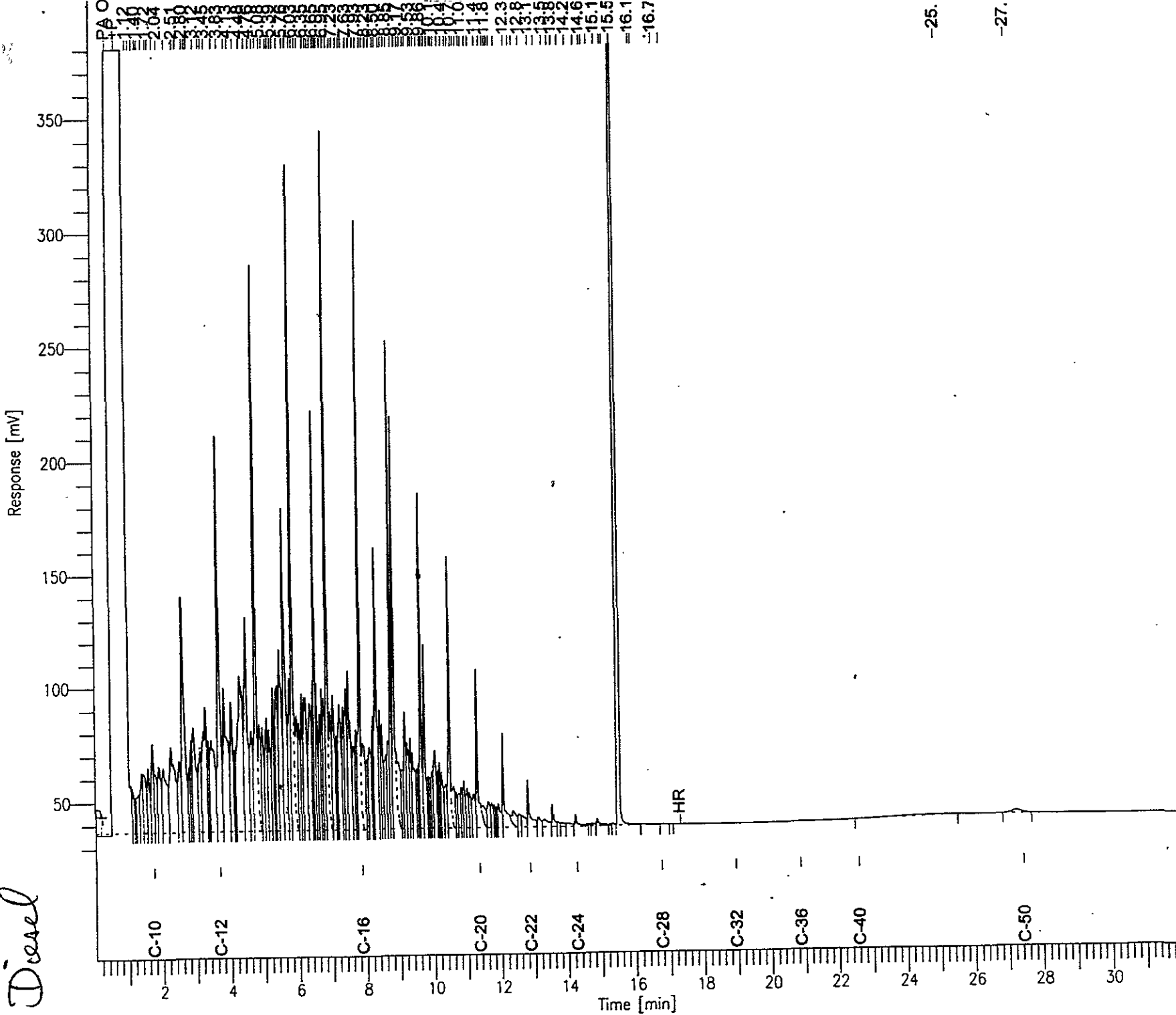
Sample Name : ccv_02ws0309_dsl
File Name : G:\GC13\CHB\065B005.RAW
Method : ETEH066.MTH
Start Time : 0.01 min
Scale Factor : 0.0

Sample #: 500mg/L
Date : 3/7/02 09:52 AM
Time of Injection: 3/6/02 08:54 PM
Low Point : 21.64 mV
Plot Scale: 359.0 mV

End Time : 31.91 min
Plot Offset: 22 mV

High Point : 380.63 mV

Diesel





Total Extractable Hydrocarbons

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	SHAKER TABLE
Project#:	855.003	Analysis:	8015B (M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC172239	Batch#:	70646
Matrix:	Soil	Prepared:	03/06/02
Units:	mg/Kg	Analyzed:	03/07/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	REC	Limits
Diesel C10-C24	50.02	46.39	93	67-121

Surrogate	REC	Limits
Hexacosane	99	48-137

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 6 N. WALL @ 2.0	Diln Fac:	0.9434
Lab ID:	157318-001	Batch#:	70661
Matrix:	Soil	Sampled:	03/05/02
Units:	ug/Kg	Received:	03/05/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RI
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 6 N. WALL @ 2.0	Diln Fac:	0.9434
Lab ID:	157318-001	Batch#:	70661
Matrix:	Soil	Sampled:	03/05/02
Units:	ug/Kg	Received:	03/05/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	100	77-126



Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 6 S. WALL @ 5.0	Diln Fac:	0.9615
Lab ID:	157318-002	Batch#:	70661
Matrix:	Soil	Sampled:	03/05/02
Units:	ug/Kg	Received:	03/05/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
Freon 12	ND	9.6
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	TANK 6 S. WALL @ 5.0	Diln Fac:	0.9615
Lab ID:	157318-002	Batch#:	70661
Matrix:	Soil	Sampled:	03/05/02
Units:	ug/Kg	Received:	03/05/02
Basis:	as received	Analyzed:	03/08/02

Analyte	Result	RL
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	129 *	77-126

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1157 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172319	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70661
Units:	ug/Kg	Analyzed:	03/07/02

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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172319	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70661
Units:	ug/Kg	Analyzed:	03/07/02

Analyte	Result	RL
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	102	63-133
1,2-Dichloroethane-d4	102	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	99	77-126



Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172320	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70661
Units:	ug/Kg	Analyzed:	03/07/02

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	5.0
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
Dibromochloromethane	ND	5.0

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC172320	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70661
Units:	ug/Kg	Analyzed:	03/07/02

Analyte	Result	RL
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	100	63-133
1,2-Dichloroethane-d4	100	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	99	77-126

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC172318	Diln Fac:	1.000
Matrix:	Soil	Batch#:	70661
Units:	ug/Kg	Analyzed:	03/07/02

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	51.00	102	70-131
Benzene	50.00	47.96	96	77-120
Trichloroethene	50.00	50.34	101	79-120
Toluene	50.00	47.22	94	80-120
Chlorobenzene	50.00	47.14	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	93	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	99	77-126

Purgeable Organics by GC/MS

Lab #:	157318	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	855.003	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	157252-003	Batch#:	70661
Matrix:	Soil	Sampled:	02/28/02
Units:	ug/Kg	Received:	03/01/02
Basis:	as received	Analyzed:	03/07/02

Type: MS Lab ID: QC172316

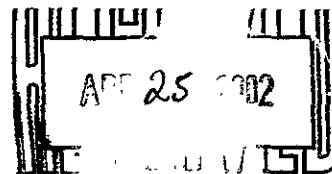
Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2900	48.08	49.69	103	57-134
Benzene	<0.2500	48.08	48.87	102	55-125
Trichloroethene	<0.2800	48.08	50.13	104	37-133
Toluene	<0.3000	48.08	48.64	101	48-131
Chlorobenzene	<0.2300	48.08	48.44	101	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	99	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	100	77-126

Type: MSD Lab ID: QC172317

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	48.08	49.04	102	57-134	1	20
Benzene	48.08	46.97	98	55-125	4	20
Trichloroethene	48.08	47.80	99	37-133	5	21
Toluene	48.08	47.46	99	48-131	2	20
Chlorobenzene	48.08	46.20	96	42-128	5	23

Surrogate	%REC	Limits
Dibromofluoromethane	105	63-133
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	102	77-126



Emily Silverman - Lab #157187

From: Emily Silverman
To: steve@ctberk.com
Date: 4/1/2002 11:13 AM
Subject: Lab #157187

Hi Steve-

Please run STLC lead on sample "Exterior SP" - Lab #157187, under a 72 hour turn around. If the results come back greater than 5.0, please run TCLP, also on a quicker turn around.

Thanks.

Emily Silverman
Subsurface Consultants, Inc.
1000 Broadway, Suite 200
Oakland, California 94607
tel: 510.267.4417
fax: 510.268.0137
e-mail: esilverman@subsurfaceconsultants.com

U4/U3/2002 10:43 PAA

Lead			
Lab #:	157871	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	WET
Project#:	855.003	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	71425
Field ID:	EXTERIOR SP	Sampled:	02/25/02
Matrix:	WET Leachate	Received:	02/26/02
Units:	ug/L	Prepared:	04/08/02
Diln Fac:	1.000	Analyzed:	04/08/02

Type	Lab ID	Result	RL
SAMPLE	157871-001	32,000	1,500
BLANK	QC175213	ND	1,500

Lead

Lab #: 157871	Location: 1137-1167 65th Street
Client: Subsurface Consultants	Prep: WET
Project#: 855.003	Analysis: EPA 6010B
Analyte: Lead	Batch#: 71425
Field ID: EXTERIOR SP	Sampled: 02/25/02
MSS Lab ID: 157871-001	Received: 02/26/02
Matrix: WET Leachate	Prepared: 04/08/02
Units: ug/L	Analyzed: 04/08/02
Diln Fac: 1.000	

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC175214		10,000	9,860		99	78-120		
BSD	QC175215		10,000	10,240		102	78-120	4	20
SDUP	QC175216	31,780		35,530	15			11	28
SSPIKE	QC175217	31,780	10,000	42,710		109	58-129		

RL= Reporting Limit

RPD= Relative Percent Difference

Page 1 of 1



Curtis & Tompkins, Ltd.

Lead			
Lab #:	157871	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3010
Project#:	855.003	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	71666
Field ID:	EXTERIOR SP	Sampled:	02/25/02
Matrix:	TCLP Leachate	Received:	02/26/02
Units:	ug/L	Prepared:	04/16/02
Diln Fac:	10.00	Analyzed:	04/17/02

Type	Lab ID	Result	RL
SAMPLE	157871-001	590	30
BLANK	QC176041	ND	30

Lead

Lab #:	157871	Location:	1137-1167 65th Street
Client:	Subsurface Consultants	Prep:	EPA 3010
Project#:	855.003	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	71666
Field ID:	EXTERIOR SP	Sampled:	02/25/02
MSS Lab ID:	157871-001	Received:	02/26/02
Matrix:	TCLP Leachate	Prepared:	04/16/02
Units:	ug/L	Analyzed:	04/17/02

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim	Diln	Fac
BS	QC176042		2,000	1,940		97	78-120				1.000
BSD	QC176043		2,000	1,890		95	78-120	3	20		1.000
SDUP	QC176044	589.0		498.0	30			17	28		10.00
SSPIKE	QC176045	589.0	2,000	2,410		91	58-129				10.00

Tanks 5 & 6 Rinsate Test Results



McCAMPBELL ANALYTICAL INC.

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<http://www.mccampbell.com> E-mail: main@mccampbell.com

Controlled Environmental Services P.O. Box 401 Oakley, CA 94561	Client Project ID: #1865; John Nadi	Date Sampled: 02/07/2002
		Date Received: 02/07/2002
	Client Contact: Mike P. /Bob K.	Date Extracted: 02/07/2002
	Client P.O:	Date Analyzed: 02/07/2002

02/22/2002

Dear Mike/Bob:

Enclosed are:

- 1). the results of 2 samples from your #1865; John Nadi project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director



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Controlled Environmental Services P.O. Box 401 Oakley, CA 94561	Client Project ID: #1865; John Nadi	Date Sampled: 02/07/2002
		Date Received: 02/07/2002
	Client Contact: Mike P. /Bob K.	Date Extracted: 02/08/2002
	Client P.O:	Date Analyzed: 02/08/2002

Volatile Organics By GC/MS

EPA method 8260

Lab ID	89786
Client ID	Tank 5
Matrix	W

Compound	Concentration*	Reporting Limit		Compound	Concentration*	Reporting Limit	
		W	S			W	S
Acetone ^(b)	ND	5.0	25	trans-1,3-Dichloropropene	ND	1.0	5.0
Benzene	ND	1.0	5.0	Ethylene dibromide	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Hexachlorobutadiene	ND	5.0	25
Bromodichloromethane	5.9	1.0	5.0	Iodomethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	p-Isopropyl toluene	ND	1.0	5.0
n-Butyl benzene	ND	1.0	5.0	Methyl butyl ketone ^(d)	ND	1.0	5.0
sec-Butyl benzene	ND	1.0	5.0	Methylene Chloride ^(e)	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Methyl ethyl ketone ^(f)	ND	2.0	10
Carbon Disulfide	ND	1.0	5.0	Methyl isobutyl ketone ^(g)	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Methyl tert-Butyl Ether (MTBE)	---	1.0	5.0
Chlorobenzene	ND	1.0	5.0	Naphthalene	ND	5.0	25
Chloroethane	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
2-Chloroethyl Vinyl Ether ^(h)	ND	1.0	5.0	Styrene ⁽ⁱ⁾	ND	1.0	5.0
Chloroform	29	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
Chloromethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
4-Chlorotoluene	ND	1.0	5.0	Toluene ^(j)	ND	1.0	5.0
Dibromochloromethane	1.1	1.0	5.0	1,2,3-Trichlorobenzene	ND	5.0	25
1,2-Dibromo-3-chloropropane	ND	2.0	10	1,2,4-Trichlorobenzene	ND	5.0	25
Dibromomethane	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
1,3-Dichlorobenzene	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
Dichlorodifluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,2-Dichloroethane	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	Vinyl Acetate ^(m)	ND	5.0	25
cis-1,2-Dichloroethene	ND	1.0	5.0	Vinyl Chloride ⁽ⁿ⁾	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	Xylenes, total ^(o)	ND	1.0	5.0
1,2-Dichloropropane	ND	1.0	5.0	Comments:			
1,3-Dichloropropane	ND	1.0	5.0	Surrogate Recoveries (%)			
2,2-Dichloropropane	ND	1.0	5.0	Dibromofluoromethane		106	
1,1-Dichloropropene	ND	1.0	5.0	Toluene-d8		101	
cis-1,3-Dichloropropene	ND	1.0	5.0	4-Bromofluorobenzene		103	

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director



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Controlled Environmental Services P.O. Box 401 Oakley, CA 94561	Client Project ID: #1865; John Nadi	Date Sampled: 02/07/2002
		Date Received: 02/07/2002
	Client Contact: Mike P. /Bob K.	Date Extracted: 02/08/2002
	Client P.O:	Date Analyzed: 02/08/2002

Volatile Organics By GC/MS

EPA method 8260

Lab ID	89787
Client ID	Tank 6
Matrix	W


Compound	Concentration*	Reporting Limit		Compound	Concentration*	Reporting Limit	
		W	S			W	S
Acetone ^(b)	ND	5.0	25	trans-1,3-Dichloropropene	ND	1.0	5.0
Benzene	ND	1.0	5.0	Ethylene dibromide	ND	1.0	5.0
Bromobenzene	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Hexachlorobutadiene	ND	5.0	25
Bromodichloromethane	5.8	1.0	5.0	Iodomethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
Bromomethane	ND	1.0	5.0	p-Isopropyl toluene	ND	1.0	5.0
n-Butyl benzene	ND	1.0	5.0	Methyl butyl ketone ^(d)	ND	1.0	5.0
sec-Butyl benzene	ND	1.0	5.0	Methylene Chloride ^(e)	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Methyl ethyl ketone ⁽ⁱ⁾	ND	2.0	10
Carbon Disulfide	ND	1.0	5.0	Methyl isobutyl ketone ^(g)	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Methyl tert-Butyl Ether (MTBE)	---	1.0	5.0
Chlorobenzene	ND	1.0	5.0	Naphthalene	ND	5.0	25
Chloroethane	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
2-Chloroethyl Vinyl Ether ^(c)	ND	1.0	5.0	Styrene ^(k)	ND	1.0	5.0
Chloroform	29	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
Chloromethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
4-Chlorotoluene	ND	1.0	5.0	Toluene ^(l)	ND	1.0	5.0
Dibromochloromethane	1.1	1.0	5.0	1,2,3-Trichlorobenzene	ND	5.0	25
1,2-Dibromo-3-chloropropane	ND	2.0	10	1,2,4-Trichlorobenzene	ND	5.0	25
Dibromomethane	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
1,3-Dichlorobenzene	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
Dichlorodifluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,2-Dichloroethane	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	Vinyl Acetate ^(m)	ND	5.0	25
cis-1,2-Dichloroethene	ND	1.0	5.0	Vinyl Chloride ⁽ⁿ⁾	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	Xylenes, total ^(o)	ND	1.0	5.0
1,2-Dichloropropane	ND	1.0	5.0	Comments:			
1,3-Dichloropropane	ND	1.0	5.0	Surrogate Recoveries (%)			
2,2-Dichloropropane	ND	1.0	5.0	Dibromofluoromethane		105	
1,1-Dichloropropene	ND	1.0	5.0	Toluene-d8		100	
cis-1,3-Dichloropropene	ND	1.0	5.0	4-Bromofluorobenzene		103	

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

ND means not detected above the reporting limit, N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

 Edward Hamilton, Lab Director



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QC REPORT

EPA 8015m + 8020

Date: 02/07/02

Matrix: Water

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 20202							
Extraction: EPA 5030				Instrument: GC-3			
Surrogate1	ND	100.0	101.0	100.00	100	101	1.0
Xylenes	ND	35.7	33.7	30.00	119	112	5.8
Ethylbenzene	ND	11.6	11.3	10.00	116	113	2.6
Toluene	ND	11.6	11.1	10.00	116	111	4.4
Benzene	ND	11.3	10.9	10.00	113	109	3.6
MTBE	ND	10.8	9.6	10.00	108	96	11.8
TPH (gas)	ND	57.6	58.7	100.00	58	59	1.8
SampleID: 20802							
Extraction: EPA 3510				Instrument: GC-2 A			
Surrogate1	ND	103.0	106.0	100.00	103	106	2.9
TPH (diesel)	ND	7100.0	7100.0	7500.00	95	95	0.0

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation



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QC REPORT

VOCs (EPA 8240/8260)

Date: 02/08/02

Extraction: EPA 5030

Matrix: Water

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
<u>SampleID:</u> 20802				<u>Instrument:</u> GC-10			
Surrogate	ND	99.0	101.0	100.00	99	101	2.0
Toluene	ND	11.0	11.2	10.00	110	112	1.8
Benzene	ND	10.9	11.2	10.00	109	112	2.7
Chlorobenzene	ND	10.9	11.1	10.00	109	111	1.8
Trichloroethene	ND	9.5	9.8	10.00	95	98	3.1
1,1-Dichloroethene	ND	12.1	12.4	10.00	121	124	2.4

$$\% \text{ Recovery} = \frac{(MS - \text{Sample})}{\text{Amount Spiked}} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

APPENDIX C
UST REMOVAL PERMITS

Underground Tank Closure Plan

OAKLAND FIRE DEPARTMENT

BY: HEEA

DATE: 11/15/01

ALL INSPECTIONS REQUIRE
40 HOURS OF CPE

CITY OF OAKLAND
Fire Department
Fire Prevention Bureau
Hazardous Materials Program
250 Frank H. Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032

UNDERGROUND TANK CLOSURE PLAN

(Complete according to instructions)

1) Name of Business Private Building

Business Owner or Contact Person (PRINT) FRED SCHRAG

2) Site Address 1137-1167 65th Street

City OAKLAND Zip 94608 Phone 510-652-2411

3) Mailing Address 6701-Shellmound St.

City EMERYVILLE CA Zip 94608 Phone 510-652-2411

4) Property Owner JOHN NADY

Business Name (if applicable) NADY SYSTEMS

Address 6701 SHELLMOUND ST.

City, State EMERYVILLE CA Zip 94608

5) Generator name under which tank will be manifested

JOHN NADY

EPA ID Under which tank will be manifested CA C001465504

6) Contractor CES - CONTROLLED ENVIRONMENTAL SERVICES
Address P.O. Box 401
City OAKLEY CA Phone 925-625-1736
License Type A-HAZ IDS

Effective January 1, 1992, Business and Professional Code Section 7058.7 require contractors to also hold Hazardous Waste certification issued by the State Contractor License Board

7) Consultant (if applicable) SCI
Address 1000 BROADWAY SUITE 200 OAKLAND CA 94607
City, State OAKLAND CA Phone 510-268-0461

8) Main Contact Person for Investigation (if applicable)
Name BOB KEMP Title V.P.
Company CES
Phone 925-625-1736

9) Number of underground tanks being closed with this plan 6 (Confirmed with owner operator)

10) State Registered Hazardous Waste Transporters/Facilities (see instructions)

****Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter
Name ROMIC EPA I.D. NO. CAD009452657
Hauler License No. 2553 License Exp. Date 6/02
Address 2081 BAY ROAD
City EAST PALO ALTO State CA Zip 94303

b) Product/Residual Sludge/Rinsate Disposal Site
Name ROMIC EPA ID No. CAD009452657
Address 2081 BAY ROAD
City EAST PALO ALTO State CA Zip 94303

c) Tank and Piping Transporter

Name ECI EPA I.D. No. CAD082030173

c) Hauler License No. 1533 License Exp. Date 3-2002

Address 255 PATT BLVD
City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ECI EPA I.D. No. CAD009466392

Address 255 PATT BLVD
City RICHMOND State CA Zip 94801

11) Sample Collector

Name EMILY SILVERMAN

Company SCI

Address 1000 BROADWAY SUITE 200

City OAKLAND CA State CA Zip 94607

Phone 510-268-0461

12) Laboratory

Name CURTIS & TOMPKINS

Address 2323 5th St

City Berkeley State CA Zip 94710

State Certification No. 01107CA

13) Have tanks or pipes leaked in the past Yes No Unknown

If yes, describe _____

14) Describe methods to be used for rendering tank (s): inert:

WATER WASHING AND Add DRY ICE 3 LBS Per 100
GALLON TANK CAPACITY.

Before tanks are pumped out and inserted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000 must also be contacted for tank removal permit. The use of a combustible gas indicator to verify tank inertness is required. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert. Note: you may be required to recalibrate the combustible gas indicator on site, to show that it is working properly.

15) Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
4-4500	UNKNOWN	TANK CONTENTS, SOIL	2' UNDER TANKS IN NATIVE SOIL.
2-3000	UNKNOWN	TANK CONTENTS, SOIL	2' UNDER TANKS IN NATIVE SOIL AS DIRECTED BY THE FIRE PREVENTION INSP.

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

EXCAVATED/STOCKPILED SOIL

Stockpiled Soil volume (estimated) 100-CY	Sampling Plan 1-Composit Sample (4-Point) AS Directed BY the Fire Prevention Inspector
--	--

Stockpiled soil must be placed on beamed plastic and must be completely covered by plastic sheeting

Will the excavated soil be returned to the excavation immediately after tank removal?

yes No unknown

If yes, explain reasoning N/A

If unknown at this point in time, please be aware that excavated soil may no be returned to the excavation without prior approval from Fire Services Agency, Office of Emergency Services. This means that the contractor, consultant, or responsible party must communicate with the Hazardous Materials Inspector IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.
See attached Table 2.

17. Submit Site Health and Safety Plan (see Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
GAS, BTEX, MTBE	5030 EPA	EPA MODIFIED 8015	1.0 MG/KG
LUFT 5 METALS	3050 EPA	EPA 6010	0.5 MG/KG
PH	N/A	EPA 150.1 9040	±0.1
DIESEL	3550 EP	EPA 8015 AND 3550	1.0 MG/KG
Volatile ORGANICS	5030 EPA	EPA METHOD 8260	SEE ATTACHED LIST.

18. Submit Workers Compensation Certificate copy

Name of Insurer STATE FUND

19. Submit Plot Plan ***** (Be Instructions) *****

20. Enclose Permit fee (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report, (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for tank removed in the upper right hand corner)

I declare that to, the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that proved above, may be needed in order to obtain approval from the Hazardous Materials Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

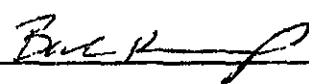
I understand that all work performed during this project will be done in compliance with all applicable OSHA, (Occupational Safety and health Administration) requirements concerning; personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his age and that this responsibility is not shared nor assumed by the City of Oakland.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Inspector at least three working days in advance of site-work, to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business CES- CONTROLLED ENVIRONMENTAL SERVICES

Name of Individual BOB KEMP

Signature  Date 10-8-01

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business PRIVATE BUILDING

Name of Individual JOHN NADY

Signature Back for MR JOHN NADY Date 10-8-01

General Instructions

- Three (3) copies of this plan plus attachments and permit must be submitted to this Department.
- Any cutting into tanks requires Fire Services Agency approval.
- One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- State of California Permit Application Forms A and B are to submit to this office One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS

Address at which closure is taking place.

5. EPA I.D. NO. - under which the tanks will be manifested

EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781

6. CONTRACTOR

Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

- a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
- c) Tanks must be hauled as hazardous waste.
- d) This is the place where tanks will be taken for cleaning.

15) TANK HISTORY AND SAMPLING INFORMATION

Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the trig} water mark, etc.

16) CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS

See attached Table 2.

17) SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer.
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

ISSUE DATE: 09-01-01

POLICY NUMBER: 1533448 - 01
CERTIFICATE EXPIRES: 09-01-02

CONTRACTOR'S STATE LICENSE BOARD
WORKERS COMP. UNIT
P.O. BOX 26000
SACRAMENTO CA 95826

JOB: LIC# 720852
INCEPTION DATE: 09-01-01
D.O.: OAKLAND

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 30 days' advance written notice to the employer.

We will also give you 30 days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

Kenneth C. Bollier
PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000.00 PER OCCURRENCE.

ENDORSEMENT #2085 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 09/01/01 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

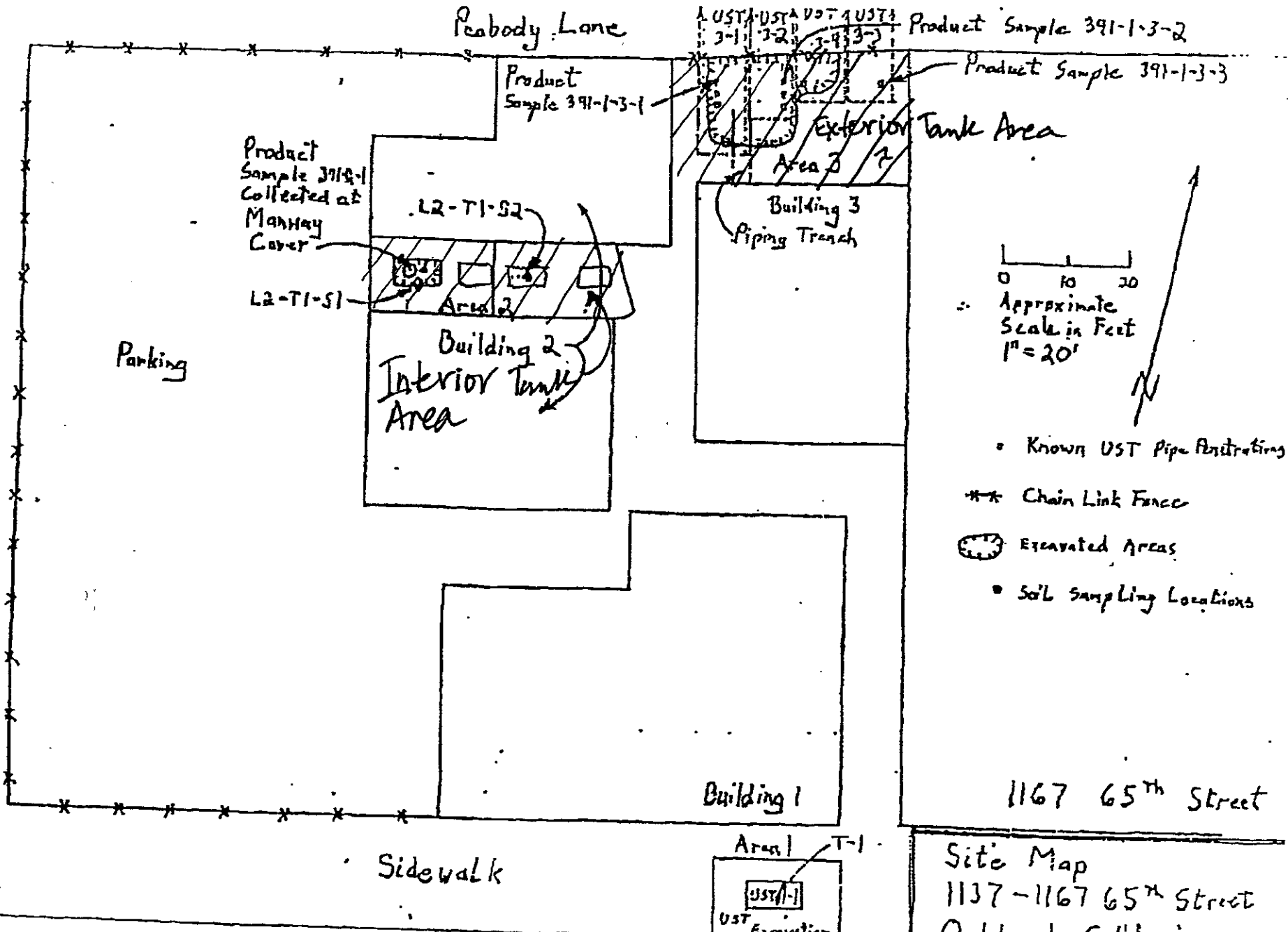
LEGAL NAME

CES CONTROLLED ENVIRONMENTAL
SERVICES
PO BOX 401
OAKLEY CA 94561

CES CONTROLLED ENVIRONMENTAL SVCS.

Sent by:

Artesian Environmental
229 Tawakbury Ave.



Site Map
 1137-1167 65th Street
 Oakland, California
 Prepared 12/21/98 by:
 Artesian Environmental

UNDERGROUND STORAGE TANKS - TANK PAGE 1

TANKS

(two pages per tank)

TYPE OF ACTION 1 NEW SITE PERMIT 4 AMENDED PERMIT 5 CHANGE OF INFORMATION 6 TEMPORARY SITE CLOSURE
 (Check one item only) 7 PERMANENTLY CLOSED ON SITE 8 TANK REMOVED
 3 RENEWAL PERMIT (Specify reason - for local use only) (Specify reason - for local use only)

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) N/A PRIVATE BUILDING FACILITY ID: 3
 LOCATION WITHIN SITE (Optional)

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID# <u>432</u> <u>UNKNOWN</u>	TANK MANUFACTURER <u>433</u> <u>UNKNOWN</u>	COMPARTMENTALIZED TANK <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", complete one page for each compartment. <u>UNKNOWN</u>
DATE INSTALLED (YEAR/MO) <u>435</u> <u>UNKNOWN</u>	TANK CAPACITY IN GALLONS <u>436</u> <u>UNKNOWN</u>	NUMBER OF COMPARTMENTS <u>437</u> <u>UNKNOWN</u>

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE <u>439</u> <input type="checkbox"/> 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type) <input type="checkbox"/> 2. NON-FUEL PETROLEUM <input type="checkbox"/> 3. CHEMICAL PRODUCT <input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil) <input type="checkbox"/> 95. UNKNOWN	PETROLEUM TYPE <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 2. LEADED <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 1b. PREMIUM UNLEADED <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 6. AVIATION FUEL <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 4. GASOHOL <input checked="" type="checkbox"/> 99. OTHER _____	
COMMON NAME (from Hazardous Materials Inventory page) <u>441</u> <u>UNKNOWN Mixture OF SOLVENT & Fuel</u>		CAS# (from Hazardous Materials Inventory page) <u>442</u>

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER <input type="checkbox"/> 4. SINGLE WALL IN VAULT <input type="checkbox"/> 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER _____	TANK MATERIAL - primary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 3. FIBERGLASS/PLASTIC <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER _____
TANK MATERIAL - secondary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 3. FIBERGLASS/PLASTIC <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 5. CONCRETE <input type="checkbox"/> 8. FRP COMPITBLE W/100% METHANOL <input type="checkbox"/> 10. COATED STEEL <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER _____	TANK INTERIOR LINING OR COATING (Check one item only) <input type="checkbox"/> 1. RUBBER LINED <input type="checkbox"/> 2. ALKYD LINED <input type="checkbox"/> 3. EPOXY LINED <input type="checkbox"/> 4. PHENOLIC LINED <input type="checkbox"/> 5. GLASS LINED <input type="checkbox"/> 6. UNLINED <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER _____
OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) <input type="checkbox"/> 1 MANUFACTURED CATHODIC PROTECTION <input type="checkbox"/> 2 SACRIFICIAL ANODE <input type="checkbox"/> 3 FIBERGLASS REDNFORCED PLASTIC <input type="checkbox"/> 4 IMPRESSED CURRENT <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____	SPILL AND OVERFILL (Check all that apply) <input type="checkbox"/> 1 SPILL CONTAINMENT <input type="checkbox"/> 2 DROP TUBE <input type="checkbox"/> 3 STRIKER PLATE

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) <u>453</u> <input type="checkbox"/> 1 VISUAL (EXPOSED PORTION ONLY) <input type="checkbox"/> 2 AUTOMATIC TANK GAUGING (ATG) <input type="checkbox"/> 3 CONTINUOUS ATG <input type="checkbox"/> 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING <input type="checkbox"/> 5 MANUAL TANK GAUGING (MTG) <input type="checkbox"/> 6 VADOSE ZONE <input type="checkbox"/> 7 GROUNDWATER <input type="checkbox"/> 8 TANK TESTING <input type="checkbox"/> 99 OTHER _____	IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) <u>454</u> <input type="checkbox"/> 1 VISUAL (SINGLE WALL IN VAULT ONLY) <input type="checkbox"/> 2 CONTINUOUS INTERSTITIAL MONITORING <input type="checkbox"/> 3 MANUAL MONITORING
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IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) <u>455</u> <u>UNKNOWN</u>	ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>456</u> <u>UNKNOWN</u> gallons	TANK FILLED WITH INERT MATERIAL? <u>457</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

Page of

UNDERGROUND PIPING				ABOVEGROUND PIPING				
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input checked="" type="checkbox"/> 3. GRAVITY	458	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	459
CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 3. LINED TRENCH	<input type="checkbox"/> 99. OTHER	460	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 95. UNKNOWN		462
MANUFACTURER	<input type="checkbox"/> 2. DOUBLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN		461	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 99. OTHER		463
	<input type="checkbox"/> 1. BARE STEEL	<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL	<input type="checkbox"/> 1. BARE STEEL		<input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL			
	<input type="checkbox"/> 2. STAINLESS STEEL	<input type="checkbox"/> 7. GALVANIZED STEEL	<input checked="" type="checkbox"/> Unknown		<input type="checkbox"/> 2. STAINLESS STEEL	<input type="checkbox"/> 7. GALVANIZED STEEL		
	<input type="checkbox"/> 3. PLASTIC COMPATIBLE w/ CONTENTS	<input type="checkbox"/> 99. Other			<input type="checkbox"/> 3. PLASTIC COMPATIBLE w/ CONTENTS	<input type="checkbox"/> 8. FLEXIBLE (HDPE)	<input type="checkbox"/> 99. OTHER	
	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE (HDPE)			<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 9. CATHODIC PROTECTION		
	<input type="checkbox"/> 5. STEEL W/COATING	<input type="checkbox"/> 9. CATHODIC PROTECTION	464		<input type="checkbox"/> 5. STEEL W/COATING	<input type="checkbox"/> 95. UNKNOWN		465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING		ABOVEGROUND PIPING	
SINGLE WALL PIPING 466		SINGLE WALL PIPING 467	
PRESSURIZED PIPING (Check all that apply):		PRESSURIZED PIPING (Check all that apply):	
<input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.		<input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.	
<input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST		<input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST	
<input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH)		<input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH)	
CONVENTIONAL SUCTION SYSTEMS		CONVENTIONAL SUCTION SYSTEMS (Check all that apply)	
<input type="checkbox"/> 4. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)		<input type="checkbox"/> 4. DAILY VISUAL CHECK	
SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUND PIPING):		CONVENTIONAL SUCTION SYSTEMS (Check all that apply)	
<input type="checkbox"/> 7. SELF MONITORING		<input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM	
GRAVITY FLOW		<input type="checkbox"/> 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)	
<input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH)		SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):	
<input checked="" type="checkbox"/> UNKNOWN		<input type="checkbox"/> 7. SELF MONITORING	
SECONDARILY CONTAINED PIPING		GRAVITY FLOW (Check all that apply):	
PRESSURIZED PIPING (Check all that apply):		<input type="checkbox"/> 8. DAILY VISUAL MONITORING	
<input type="checkbox"/> 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)		<input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH)	
<input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS		SECONDARILY CONTAINED PIPING	
<input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION		PRESSURIZED PIPING (Check all that apply):	
<input type="checkbox"/> c. NO AUTO PUMP SHUT OFF		<input type="checkbox"/> 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)	
<input type="checkbox"/> 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION		<input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS	
<input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH)		<input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION	
SUCTION/GRAVITY SYSTEM		<input type="checkbox"/> c. NO AUTO PUMP SHUT OFF	
<input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS		<input type="checkbox"/> 11. AUTOMATIC LEAK DETECTOR	
EMERGENCY GENERATORS ONLY (Check all that apply)		<input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH)	
<input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS		SUCTION/GRAVITY SYSTEM	
<input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION		<input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS	
<input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH)		EMERGENCY GENERATORS ONLY (Check all that apply)	
<input type="checkbox"/> 17. DAILY VISUAL CHECK		<input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS	
		<input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)	
		<input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH)	
		<input type="checkbox"/> 17. DAILY VISUAL CHECK	

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT	<input type="checkbox"/> 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	<input type="checkbox"/> 4. DAILY VISUAL CHECK
DATE INSTALLED	<input type="checkbox"/> 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 5. TRENCH LINER / MONITORING
UNKNOWN	<input type="checkbox"/> 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 6. NONE

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE
<i>Bob Kemp for Mr. John Nady</i>	10-9-01
NAME OF OWNER/OPERATOR (print)	TITLE OF OWNER/OPERATOR
Bob Kemp for Mr. John Nady	N/A

Permit Number (For local use only) 473 Permit Approved (For local use only) 474 Permit Expiration Date (For local use only) 475

UNDERGROUND STORAGE TANKS - TANK PAGE 1

TANKS

(two pages per tank)

TYPE OF ACTION 1 NEW SITE PERMIT 4 AMENDED PERMIT 5 CHANGE OF INFORMATION 6 TEMPORARY SITE CLOSURE
 (Check one item only) 7 PERMANENTLY CLOSED ON SITE 8 TANK REMOVED
 3 RENEWAL PERMIT (Specify reason - for local use only) (Specify reason - for local use only)

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) N/A Private Building 3 FACILITY ID: _____
 LOCATION WITHIN SITE (Optional) _____

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # <u>432</u>	TANK MANUFACTURER <u>UNKNOWN</u>	COMPARTMENTALIZED TANK <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", complete one page for each compartment. <u>UNKNOWN</u>
DATE INSTALLED (YEAR/MO) <u>UNKNOWN</u>	TANK CAPACITY IN GALLONS <u>UNKNOWN</u>	NUMBER OF COMPARTMENTS <u>UNKNOWN</u>
ADDITIONAL DESCRIPTION (For local use only)		

II. TANK CONTENTS

TANK USE <u>439</u> <input type="checkbox"/> 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type) <input type="checkbox"/> 2. NON-FUEL PETROLEUM <input type="checkbox"/> 3. CHEMICAL PRODUCT <input type="checkbox"/> 4. HAZARDOUS WASTE (Includes Used Oil) <input type="checkbox"/> 95. UNKNOWN	PETROLEUM TYPE <input type="checkbox"/> 1a. REGULAR UNLEADED <input type="checkbox"/> 2. LEADED <input type="checkbox"/> 5. JET FUEL <input type="checkbox"/> 1b. PREMIUM UNLEADED <input type="checkbox"/> 3. DIESEL <input type="checkbox"/> 6. AVIATION FUEL <input type="checkbox"/> 1c. MIDGRADE UNLEADED <input type="checkbox"/> 4. GASOHOL <input checked="" type="checkbox"/> 99. OTHER _____ COMMON NAME (from Hazardous Materials Inventory page) <u>441</u> <u>UNKNOWN mixture of solvent & fuel</u> CASH# (from Hazardous Materials Inventory page) <u>442</u>
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III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) <input type="checkbox"/> 1. SINGLE WALL <input type="checkbox"/> 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER <input type="checkbox"/> 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM <input type="checkbox"/> 2. DOUBLE WALL <input type="checkbox"/> 4. SINGLE WALL IN VAULT <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 99. OTHER _____	TANK MATERIAL - primary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 8. FRP COMPITBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER _____
TANK MATERIAL - secondary tank (Check one item only) <input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 3. FIBERGLASS / PLASTIC <input type="checkbox"/> 5. CONCRETE <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) <input type="checkbox"/> 8. FRP COMPITBLE W/100% METHANOL <input type="checkbox"/> 99. OTHER _____ <input type="checkbox"/> 10. COATED STEEL <input type="checkbox"/> 5. CONCRETE	TANK INTERIOR LINING (Check one item only) <input type="checkbox"/> 1. RUBBER LINED <input type="checkbox"/> 3. EPOXY LINING <input type="checkbox"/> 5. GLASS LINING <input checked="" type="checkbox"/> 95. UNKNOWN <input type="checkbox"/> 2. ALKYD LINING <input type="checkbox"/> 4. PHENOLIC LINING <input type="checkbox"/> 6 UNLINED <input type="checkbox"/> 99 OTHER _____
OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) <input type="checkbox"/> 1 MANUFACTURED CATHODIC PROTECTION <input type="checkbox"/> 3 FIBERGLASS REINFORCED PLASTIC <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 2 SACRIFICIAL ANODE <input type="checkbox"/> 4 IMPRESSED CURRENT <input type="checkbox"/> 99 OTHER _____	SPILL AND OVERFILL (Check all that apply) YEAR INSTALLED <u>450</u> TYPE (local use only) <u>451</u> OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED <u>452</u> <input type="checkbox"/> 1 SPILL CONTAINMENT <input type="checkbox"/> 2 DROP TUBE <input type="checkbox"/> 3 STRIKER PLATE <input type="checkbox"/> 1 ALARM <input type="checkbox"/> 2 BALL FLOAT <input type="checkbox"/> 3 FILL TUBE SHUT OFF VALVE <input type="checkbox"/> 4 EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) <u>453</u> <input type="checkbox"/> 1 VISUAL (EXPOSED PORTION ONLY) <input type="checkbox"/> 5 MANUAL TANK GAUGING (MTG) <input type="checkbox"/> 2 AUTOMATIC TANK GAUGING (ATG) <input type="checkbox"/> 6 VADOSE ZONE <input type="checkbox"/> 3 CONTINUOUS ATG <input type="checkbox"/> 7 GROUNDWATER <input type="checkbox"/> 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING <input type="checkbox"/> 8 TANK TESTING <u>N/A</u> <input type="checkbox"/> 99 OTHER _____	IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) <u>454</u> <input type="checkbox"/> 1 VISUAL (SINGLE WALL IN VAULT ONLY) <input type="checkbox"/> 2 CONTINUOUS INTERSTITIAL MONITORING <input type="checkbox"/> 3 MANUAL MONITORING <u>N/A</u>
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IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) <u>455</u> <u>UNKNOWN</u>	ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>456</u> <u>UNKNOWN</u> gallons	TANK FILLED WITH INERT MATERIAL? <u>457</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

Page of

UNDERGROUND PIPING				ABOVEGROUND PIPING					
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input checked="" type="checkbox"/> 3. GRAVITY	458	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. SUCTION	<input type="checkbox"/> 3. GRAVITY	459	
CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 3. LINED TRENCH	<input type="checkbox"/> 99. OTHER	460	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 95. UNKNOWN		462	
MANUFACTURER	<input type="checkbox"/> 3. DOUBLE WALL	<input checked="" type="checkbox"/> 95. UNKNOWN		461	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 99. OTHER		463	
<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 7. GALVANIZED STEEL <input type="checkbox"/> 3. PLASTIC COMPATIBLE w/ CONTENTS <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 8. FLEXIBLE (HDPE) <input type="checkbox"/> 5. STEEL W/COATING <input type="checkbox"/> 9. CATHODIC PROTECTION				464	<input type="checkbox"/> 1. BARE STEEL <input type="checkbox"/> 6. FRP COMPATIBLE w/100% METHANOL <input type="checkbox"/> 2. STAINLESS STEEL <input type="checkbox"/> 7. GALVANIZED STEEL <input type="checkbox"/> 3. PLASTIC COMPATIBLE w/ CONTENTS <input type="checkbox"/> 8. FLEXIBLE (HDPE) <input type="checkbox"/> 99. OTHER <input type="checkbox"/> 4. FIBERGLASS <input type="checkbox"/> 9. CATHODIC PROTECTION <input type="checkbox"/> 5. STEEL W/COATING <input type="checkbox"/> 95. UNKNOWN				465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING		ABOVEGROUND PIPING	
SINGLE WALL PIPING		SINGLE WALL PIPING	
PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH) CONVENTIONAL SUCTION SYSTEMS <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUNDPIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH) <input checked="" type="checkbox"/> UNKNOWN		PRESSURIZED PIPING (Check all that apply): <input type="checkbox"/> 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. <input type="checkbox"/> 2. MONTHLY 0.2 GPH TEST <input type="checkbox"/> 3. ANNUAL INTEGRITY TEST (0.1GPH) <input type="checkbox"/> 4. DAILY VISUAL CHECK CONVENTIONAL SUCTION SYSTEMS (Check all that apply) <input type="checkbox"/> 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM <input type="checkbox"/> 6. TRIENNIAL INTEGRITY TEST (0.1 GPH) SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING): <input type="checkbox"/> 7. SELF MONITORING GRAVITY FLOW (Check all that apply): <input type="checkbox"/> 8. DAILY VISUAL MONITORING <input type="checkbox"/> 9. BIENNIAL INTEGRITY TEST (0.1 GPH)	
SECONDARILY CONTAINED PIPING		SECONDARILY CONTAINED PIPING	
PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK		PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) <input type="checkbox"/> a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS <input type="checkbox"/> b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION <input type="checkbox"/> c. NO AUTO PUMP SHUT OFF <input type="checkbox"/> 11. AUTOMATIC LEAK DETECTOR <input type="checkbox"/> 12. ANNUAL INTEGRITY TEST (0.1 GPH) SUCTION/GRAVITY SYSTEM <input type="checkbox"/> 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS EMERGENCY GENERATORS ONLY (Check all that apply) <input type="checkbox"/> 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS <input type="checkbox"/> 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) <input type="checkbox"/> 16. ANNUAL INTEGRITY TEST (0.1 GPH) <input type="checkbox"/> 17. DAILY VISUAL CHECK	

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT	<input type="checkbox"/> 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	<input type="checkbox"/> 4. DAILY VISUAL CHECK
DATE INSTALLED	<input type="checkbox"/> 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 5. TRENCH LINER / MONITORING
UNKNOWN	<input type="checkbox"/> 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	<input type="checkbox"/> 6. NONE

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE
<i>Bob Kemp for MR. JOHN NADY</i>	10-9-01
NAME OF OWNER/OPERATOR (print)	TITLE OF OWNER/OPERATOR
Bob Kemp for MR. JOHN NADY	N/A

Permit Number (For local use only) 473 Permit Approved (For local use only) 474 Permit Expiration Date (For local use only) 475



**City of Oakland
CASH RECEIPT**

Cash Receipt **830041**

Cash Receipt Voucher # **C.R.**

Cash
Check

Payment Received from: *CEG Controlled Environmental Services*

DIRECT CASH CREDITS

Item	Remarks	Fund/SF	Organization	Account	Proj/Grant/ Cost Ctr/NO	Yr	Loc	Task	Dept Specific	Fixed Asset No	Trans ID	Revenue Source	Amount
1	<i>Tank Close</i>	1010	20311	45/28		2							570.00
2	<i>Clean/modify</i>												
3	<i>Grp.</i>	1440	20711	45/28	39502	2							410.00
4													
5													
												SUBTOTAL	980.00

Auxiliary Receipt Reference #

CV# 1052

Explanation:

1137 to 1167 - 65th Street

ACCOUNTS RECEIVABLES

Item	Description	Customer Number	Invoice Number	Amount
1				
2				
3				
4				
5				
SUBTOTAL				
TOTAL				980.00

<i>Fire Prevention</i> Department Collecting the Cash <i>Nelson</i> Received by	Received by: _____ Entered by: _____ Treasury Section RBCC or Grant Fiscal Affairs
--	--

Site Safety Plan

SITE SAFETY PLAN

COPY

For
Mr. John Nady
6701 Shellmound Street
Emeryville, CA 94608

At
Private Building
1137 - 1167 65th Street
Oakland, CA.

The following site safety plan has been prepared to address the health and safety requirements for Mr. John Nady at 1137-1167 65th Street, Oakland, California. This document is to be used in conjunction with Controlled Environmental Services (CES) Injury and Illness Prevention Program (IIPP).

1.0 Background

Located at 1137-1167 65th St., Oakland, CA are approximately 3 to 5 unknown underground steel storage tanks and 2 possible concrete sumps or clarifier structures. These storage tanks have been out of service and contain solvent / petroleum contaminated water from previous operations. The facility is closed and not in operation.

2.0 Scope of Work:

The scope of work is to remove concrete and excavate to expose the tank ports of each tank or vessel to the top of the tanks or vessels, to determine the size of the vessels and volume of contents in the vessels. Pump and remove liquids for each vessel and dispose of liquids as appropriate. Pressure wash the tank / vessel interiors and remove rinsate to clean and remove residue product from tanks. Tanks or vessels will remain in place at this time.

3.0 Key Personnel and Responsibilities:

The key personnel and responsibilities for this project are as follows: Bob Kemp, Project Manager, Site Safety Officer, Controlled Environmental Services, responsible for safety of public and workers. Performance of tasks and adhere to health and safety requirements.

Telephone numbers of key responsible parties:

Controlled Environmental Services	(Contractor)	(925) 625-1736
Fred Sehrey	(Property Representative)	(510) 652-6411

4.0 Job Hazard Analysis

The potential chemical and physical hazards at this site are as follows:

4.1 PHYSICAL HAZARDS;

- 4.1.1 slip, trip, fall hazards due to uneven work area
- 4.1.2 noise, eye and bodily hazards while operating equipment
- 4.1.3 hazards to hands and feet when handling heavy or sharp materials or equipment.
- 4.1.4 exposure to heat or cold stress
- 4.1.5 moving heavy equipment
- 4.1.6 excavation cave in / Fall in hazards
- 4.1.7 overhead hazards associated with cranes, riggings, etc.
- 4.1.8 Steps to minimize hazards
 - Wear proper protective equipment
 - Familiarize worker with site conditions
 - Monitor for heat and cold stress
 - Operate equipment in a safe manner
 - Designate restricted work zones before starting work
 - Maintain safe distances and barriers to protect from Open excavations
 - Avoid entry into excavation (i.e., use remote sampling, etc.)

4.2 CHEMICAL HAZARDS:

- 4.2.1 Diesel fuel contamination may be present at the site.

<u>Name</u>	<u>Warning Conc.</u>	<u>TLV.</u>	<u>IDLH</u>
Diesel Fuel	Unknown	n/a	n/a
Unl. Gasoline	Unknown	n/a	n/a
Naphta Mixture	Unknown	n/a	n/a

Diesel fuel vapors are of relatively low vapor pressure and consequently, hazard. No significant exposure is anticipated as the liquid will be enclosed systems, and no tank or confined space entry will be performed.

4.2.2 ROUTES OF EXPOSURE:

- Inhalation
- Ingestion
- Absorption

4.2.3 Diesel fuel is also combustible and may ignite if sparks, open flames or static discharge are present.

5.0 RISK ASSESSMENT:

5.1 General Public: The site will be barricaded and restricted from public access.

5.2 Other Workers: Any work being performed by others is being conducted outside of the work area and is unrelated to the work being performed.

5.3 Surrounding Property: There are no structures in the area that will be impaired by the tank removal activities.

5.4 Workers Performing Services: The risks associated with the tank removal operation can be minimized by safe work practices and proper protective equipment. These include standard procedures as specified in the CES IIPP and the Contra Costa County.

6.0 EXPOSURE MONITORING PLAN:

6.1 Hazardous Vapors:

6.2 Heat and Cold Stress: These will be monitored by measuring the ambient temperature conditions with a thermometer and findings will be recorded during work at regular times.

7.0 PERSONNEL PROTECTIVE EQUIPMENT:

7.1 Laborers and Supervisors – Level D protective equipment:

- Hard Hat
- Coveralls or poly – tyvec
- Half face cartridge respirator, if needed
- Organic vapor cartridges, if needed
- Safety glasses
- PVC gloves and steel toe boots
- Goggles

7.2 Consultant or Project Manager – Level D protective equipment:

- Hard Hat
- Coveralls
- Half face cartridge respirator, if needed
- Safety glasses
- PVC gloves and steel toe boots

8.0 WORK ZONES AND SECURITY MEASURES:

These work zones will be established before proceeding with work:

- 8.1 Support or Security Zone: will be barricaded and or other devices will be used to restrict public access.
- 8.2 Contamination Reduction Zone: an area designated at the site will be used to don and doff protective equipment.
- 8.3 Exclusion Zone: will be the area where work is being conducted. Only workers or authorized persons wearing the proper protective equipment will be allowed into the exclusion zone.
- 8.4 No smoking, eating in the work areas.

9.0 DECONTAMINATION PROCEDURES:

9.1 Personnel will remove protective equipment in the contamination reduction zone. Expendable items such as Tyvek overalls, gloves and respirator cartridges will be placed in drums for disposal with other contaminated materials.

9.2 Bathrooms are located at the site and there will be waterless hand cleaner at the site to wash hands when necessary.

10.0 GENERAL SAFE WORK PRACTICES:

No horse play

Operate all equipment properly

Plan ahead

Follow instruction and adhere to safety guidelines

Refer also to the CES Injury and Illness Prevention Plan, for additional information.

11.0 STANDARD OPERATING PROCEDURES:

11.1 All personnel will don and doff protective equipment while in the contamination Reduction zone.

11.2 Remove protective clothing in the following order: Tyvek, suit, boots, respirator, Gloves.

11.3 Hard hat, safety glasses and steel toe boots are to be worn on site at all times.

11.4 Bonding and grounding procedures will be used during any activities that might Generate static electricity.

11.5 A minimum of two workers will always be present on the site.

11.6 Project management will investigate all Subsurface investigation areas for gas and power lines prior to digging. This includes contacting Underground Service Alert (800) 642 - 2444 or the local utilities.

12.0 CONTINGENCY PLAN

12.1 All hospital, fire and emergency telephone numbers will be posted near the work Area with directions to the hospital.

12.2 Personnel currently trained in First-Aid, CPR, and CFR 1910.120 and 1926.651:
Project Mangers; First-Aid, CPR, CFR 1910.120 and 1926.651
Work Crews; CFR 1910.120

12.1.1 Personnel injured in the exclusion zone will be moved to the contamination reduction Zone (if possible) where personnel protective equipment will be removed in order to administer first aid. Any personnel injured will be reported to the Supervisor.

13.0 TRAINING REQUIEMENTS:

- 13.1 All personnel working in areas considered potentially hazardous will have had, as a minimum, forty hours training in the hazards and protection associated with handling hazardous waste (per CPR 1910.120).
- 13.2 Tailgate safety meetings will be conducted at the beginning of each shift and will highlight the hazards that may be encountered during the shift.
- 13.3 The Project Manager or other designated "competent person" will be trained in excavation safety (pursuant to 29CFR1926, 651).

14.0 MEDICAL SURVELLANCE:

- 14.1 All personnel working at the site will have had a thorough physical examination within one year of performing work.
- 14.2 Minimal exposure risk during the project does not merit base-line physical before And after the project.

15.0 RECORD KEEPING:

All documentation pertaining to this project, e.g., exposure monitoring, temperature, safety meetings, etc., will be recorded and maintained at the office of the general contractors:

Controlled Environmental Services
P.O. Box 401
Oakley, CA 94561

Acknowledgement of review of safety plan:

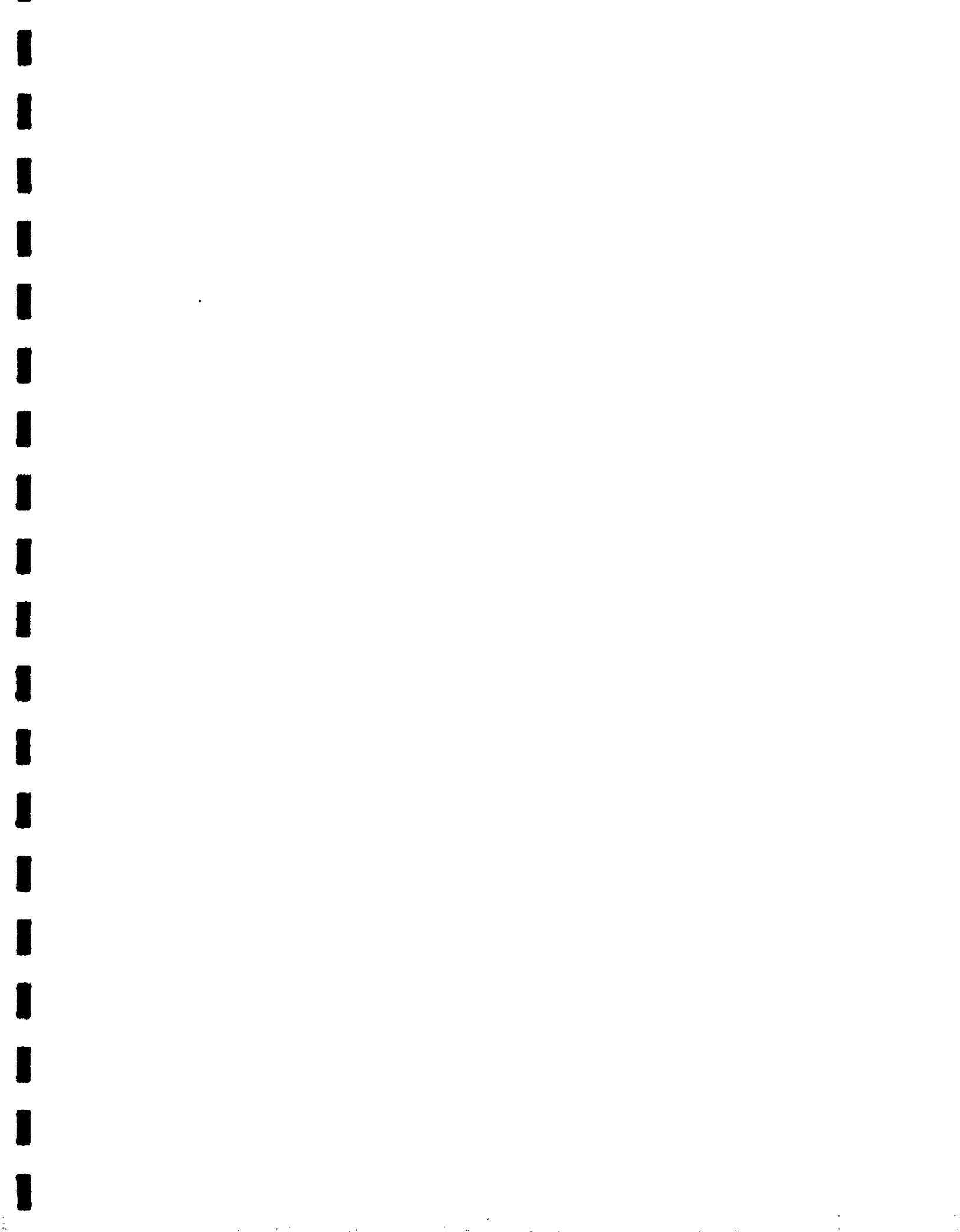
Signed below will acknowledge that the person signing had read and fully understands the contents of the site safety plan and agrees to adhere to all aspects of the site safety plan.

Print Name:

Sign Name:

Reviewed and Approved by:

Date:



City of Oakland Fire Prevention Bureau

Application for Permit To Remove Tanks

CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
OAKLAND, CALIFORNIA 94612-2032
(510) 238-3851

~~CAC 009452~~
CAC 001465564
COPY

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS
In the CITY OF OAKLAND

Request Submittal Date: 10-8-01

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify Abandon/Close in Place **A**

Gasoline (b) Fuel oil Diesel SOLVENT tank(s) and excavate, commencing:

(a) four feet inside the curb line*; inside the property line; (c) aboveground; underground tank(s)
*inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING

on the Southside of 65th St./Ave. N/A feet N/A of N/A St./Ave.

Site Address: 1137 to 1167 65th Street Present storage PETROLEUM/SOLVENT & WATER

Owner: JOHN NAIDY Address 6701 SHILLMAN RD ST Phone 510-127-2411

EMERYVILLE, CA 94608

Applicant: CES-CONTROLLED ENV services Address P.O. Box 401 OAKLEY CA 94621 Phone 925-635-1236

Sidewalk surface to be disturbed Number of Tanks 5 Capacity UNKNOWN Gallons ea.

Remarks TANK CLEANING ACTIVITIES ONLY, NO REMOVAL OR CLOSE IN PLACE

Signature Bruce CES

PLEASE ATTACH/SUBMIT: (All applicants must have a City Business License Permit)

- (2) Copies of Closure Plans for underground tank removal(s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- (2) Sets of plans and (2) sets of application packets for underground tank installation/modifications
- (2) Sets of plans for aboveground tank installation and specifications
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____
Copies to: Electrical Inspection

Amt. Recv'd _____ Date Issued: _____

Ck# _____ Cash _____

Receipt# _____ Recv'd by: _____

City Of Oakland
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851



*Permit To Excavate And Install, Repair,
Or Remove Inflammable Liquid Tanks*

Oakland, California November 14, 2001

Tank Permit Number: 62-01

Permission Is Hereby Granted To:

Remove Diesel & Solvent

Tank And Excavate Commencing: **Feet Inside:** **Property:** **Line.**

On The: S side of 65th Street

Site Address: 1137 - 1167 65th Street

Present Storage: Petroleum, Solvent & Water

Owner: John Nady

Address: 6701 Shellmound St., Emeryville, 94608

Phone: (510) 652-2411

Applicant: CES Controlled Environmental Services

Address: PO Box 401, Oakley, 94561

Phone: (925) 625-1730

Dimensions Of Street (sidewalk) Surface To Be Disturbed : **X** **No. Of Tanks** 6 **Capacity** unknown **Gallons, Each**

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection:

Inspected And Passed On: _____

Approved: *Sandra K. ...*
Fire Marshal

UST/AST Installations/modifications: **By:** _____

Pressure Test: Inspected By: _____ **Date:** _____

Primary Piping Test: Inspected By: _____ **Date:** _____

Inspection Fee Paid: \$ 1050.00

Received By: ck#1052, 1057, rec#830041, 820148 MDC

Secondary Containment & Sump Testing:

Inspected By: _____ **Date:** _____

Final: Inspected By: _____ **Date:** _____

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

City of Oakland
Street Space Permit

Job Site 1137 65TH ST

Parcel# 016 -1505-011-03

Appl# OB020079

close part of Peabody Ln for tank removal
OK per David Ng see attached drawing

Permit Issued 02/07/02

1137 65TH ST @ PEABODY

Nbr of mths: 1
Effective: 02/12/02

Linear feet: 200
Expiration: 03/11/02

LONG TERM NON-METERED

Applnt Phone# Lic# License Classes--
X (925)625-1736

Owner CONTROLLED ENVIRONMENTAL SVCS
Contractor
Arch/Engr
Agent BOB KEMP
Applic Addr

\$308.00 TOTAL FEES PAID AT ISSUANCE
\$.00 Applic \$308.00 Permit
\$.00 Process \$.00 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other

Applicant: _____

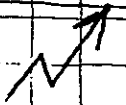
Bob Kemp

2-7-02

Issued by: _____

[Signature]

1137-65th St



FREAK
SHACK

Excavation

333
FLAGMAN

HIGH LEVEL
SIGN

GATE

112'

10'
GATE

70

HIGH LEVEL
SIGN

OK-FLAGMAN

EABODY LN.

PEABODY LN.

Yallah St

Marshall

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

1. NOTICES to Neighbors
2. HIGH LEVEL SIGNS
3. CONES & DELINEATORS
4. FLAGMEN

APPENDIX D

WASTE DISPOSAL DOCUMENTS

**ACCEPTANCE PROFILES, TRANSPORTATION MANIFESTS
AND DISPOSAL FACILITY CERTIFICATES**

**Asbury Environmental Services and DK Environmental Waste Profiles
Hazardous Waste Manifests
Disposal Facility Certificates**

For Tank Products



ASBURY ENVIRONMENTAL SERVICES
(510) 412-1011 • (800) 933-9194

November 13, 2001

Mike Pedersen
CES Controlled Environmental Services
PO Box 401
Oakley, CA 94561
Tel: 925/625-1736
Fax: 925/625-2618

Dear Mr. Pedersen,

As per our telephone conversation this afternoon, further testing for flashpoint yielded the following results (DeMenno / Kerdoon profile worksheets attached):

- Port 1: 106 degrees fahrenheit (est. 4500 gallons, D001)
- Port 2: Greater than 140 degrees fahrenheit (est. 4500 gallons, Non-RCRA)
- Port 3: 108 degrees fahrenheit (est. 2250 gallons, D001)
- Port 4: 106 degrees fahrenheit (est. 1000 gallons, D001)
- Port 5: Greater than 140 degrees fahrenheit (est. 3000 gallons, Non-RCRA)
- Port 6: 108 degrees fahrenheit (est. 3000 gallons, D001)

Nov 13 01 05:16p

D/K LAB

310-839-1254

p. 2

DeMenno + Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DE MENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (REL. # CERT. # 2937)

PROFILE # 201912

RUCK IN PLANT

CUSTOMER

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

SAMPLE # Nady System-01

GENERATOR'S NAME CES Controlled Enviro

TRANSPORTER NAME _____

PHYSICAL CHARACTERISTICS

COLOR Clear - light brown ODOR Mild SEDIMENT 0.4

pH 9.0 GRAVITY _____ BS & W 94

WATER SOLUBLE yes no REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Casillo DATE 10-23-01

CHEMICAL COMPOSITION OF WASTE

HALIDES	
TOTAL HALIDES	<u><100</u> PPM
INORGANIC HALIDES	_____ PPM
ORGANIC HALIDES	_____ PPM

INORGANIC	
ELEMENT	
CADMIUM	<u><10</u> PPM
CHROMIUM	<u><10</u> PPM
LEAD	<u><1.0</u> PPM
	_____ PPM
	_____ PPM
	_____ PPM

PCB'S	<u>120</u> PPM
-------	----------------

ADDITIONAL ANALYSIS PER REQUEST

ARSENIC 106 PPM

COMMENTS

SUBMITTED BY Ben Casillo

TITLE Chemist

DATE 10-23-01

Nov 13 01 05:19p

D/K LAB

310-639-1254

P. 3

DeMenno / Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
LABORATORY CERT. # 2037

PROFILE # 201911

TRUCK IN PLANT

CUSTOMER

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

SAMPLE # Nady System - 02

GENERATOR'S NAME CES Controlled Envoys
TRANSPORTER NAME _____

PHYSICAL CHARACTERISTICS

COLOR Clear - light Brown ODOR mild SEDIMENT 0g
PH 7.6 GRAVITY _____ TSS & W 99
WATER SOLUBLE yes no REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Smith DATE 10-25-01

CHEMICAL COMPOSITION OF WASTE

HALIDES	
TOTAL HALIDES	<u><100</u> PPM
INORGANIC HALIDES	_____ PPM
ORGANIC HALIDES	_____ PPM

INORGANIC	
ELEMENT	
CADMIUM	<u><1.0</u> PPM
CHROMIUM	<u><1.0</u> PPM
LEAD	<u><1.0</u> PPM
_____	_____ PPM
_____	_____ PPM
_____	_____ PPM

PCBS	<u><20</u> PPM
------	-------------------

ADDITIONAL ANALYSIS PER REQUEST

WASH 2:40 PM

COMMENTS

SUBMITTED BY

Ben Smith

_____ Phonics

01:05:16p

D/K LAB

310-639-1254

p. 4

DeMenno / Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) CERT. # 2037

PROFILE # 201910

TICK IN PLANT

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

CUSTOMER

SAMPLE # Nody Systems - 03

GENERATOR'S NAME CES Controlled Envir

TRANSPORTER NAME

PHYSICAL CHARACTERISTICS

COLOR Clear - light Brown

ODOR Mild

SEDIMENT 0.1

7.9

GRAVITY

ES & W 98

WATER SOLUBLE yes no

REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Canelli DATE 10-25-01

CHEMICAL COMPOSITION OF WASTE

HALIDES	
TOTAL HALIDES	<u>2100</u> PPM
INORGANIC HALIDES	_____ PPM
ORGANIC HALIDES	_____ PPM

PCBs	<u>52.0</u> PPM
------	-----------------

INORGANIC	
ELEMENT	
CADMIUM	<u><1.0</u> PPM
CHROMIUM	<u><1.0</u> PPM
LEAD	<u><1.0</u> PPM
	_____ PPM
	_____ PPM
	_____ PPM

ADDITIONAL ANALYSIS PER REQUEST

WASH = 108 F MCE

COMMENTS

TESTED BY Ben Canelli

TITLE Chemist

DATE 10-25-01

01 05:17p

D/K LAB

910-639-1254

P. 5

DeMenno / Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
LAB. CERT. # 2037

PROFILE # 201909

TRUCK IN PLANT

CUSTOMER
SAMPLE # Nedy System - 04

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

GENERATOR'S NAME CES Controlled Envr
SHIPPER NAME _____

PHYSICAL CHARACTERISTICS

COLOR Clear - light brown ODOR Mild SEDIMENT 1.4
PH 6.3 GRAVITY _____ DIS. & W 97
WATER SOLUBLE yes no REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Carroll DATE 10-25-01

CHEMICAL COMPOSITION OF WASTE

HALIDES	
TOTAL HALIDES	<u>< 106</u> PPM
INORGANIC HALIDES	_____ PPM
ORGANIC HALIDES	_____ PPM

INORGANIC	
ELEMENT	
CADMIUM	<u>< 1.0</u> PPM
CHROMIUM	<u>< 60</u> PPM
LEAD	<u>< 60</u> PPM
	_____ PPM
	_____ PPM
	_____ PPM

POISS	<u>52.0</u> PPM
-------	-----------------

ADDITIONAL ANALYSIS PER REQUEST

FLASH = 106 F PML

COMMENTS

TESTED BY Ben Carroll TITLE Chemist DATE 10-25-01

01 05:17p

D/K LRB

310-639-1254

p. 6

DeMenno / Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM LAB CERT. # 2017

PROFILE # 201908

WASTE IN PLANT

CUSTOMER

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

SAMPLE # Nady System - 05

GENERATOR'S NAME CES Controlled Enzymes

TRANSPORTER NAME _____

PHYSICAL CHARACTERISTICS

COLOR Clear - light brown ODOR Mild SEDIMENT 0.2

pH 6.5 GRAVITY _____ ES & W 99

WATER SOLUBLE yes X no REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Carroll DATE 10-25-01

CHEMICAL COMPOSITION OF WASTE

	HALIDES
ORGANIC HALIDES	<u><100</u> PPM
INORGANIC HALIDES	_____ PPM
OTHER HALIDES	_____ PPM

ELEMENT	INORGANIC
CADMIUM	<u><10</u> PPM
CHROMIUM	<u><10</u> PPM
LEAD	<u><10</u> PPM
_____	_____ PPM
_____	_____ PPM
_____	_____ PPM

_____ <20 PPM

ADDITIONAL ANALYSIS PER REQUEST

_____ FLAME >1400°F PPM

COMMENTS

TESTED BY Ben Carroll

TITLE Chemist

DATE 10-25-01

01 05:17p

D/K LAB

210-638-1254

p.7

DeMenno / Kerdoon

GENERATOR'S WASTE PROFILE WORKSHEET

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
LAB. CERT. # 2037

PROFILE # 201907

BUCK IN PLANT

ADVANCE SAMPLE PROFILING

FOR D/K INTERNAL USE ONLY

CUSTOMER

SAMPLE # Nady Sokor-06

GENERATOR'S NAME CES Controlled Enviro

TRANSPORTER NAME _____

PHYSICAL CHARACTERISTICS

COLOR C light Brown ODOR Mild SEDIMENT 0.5

PH 7.5 GRAVITY _____ BS & W 65

WATER SOLUBLE yes no REACTIVITY None

PHYSICAL CHARACTERISTICS ACCEPTABLE - REFER TO LAB FOR COMPLETE PROFILING

PHYSICAL CHARACTERISTICS UNACCEPTABLE - REJECT

TESTED BY Ben Carilli DATE 10-25-01

CHEMICAL COMPOSITION OF WASTE

HALIDES	
TOTAL HALIDES	<u><100</u> PPM
INORGANIC HALIDES	_____ PPM
ORGANIC HALIDES	_____ PPM

INORGANIC	
ELEMENT	PPM
CADMIUM	<u><10</u> PPM
CHROMIUM	<u><1.0</u> PPM
LEAD	<u><10</u> PPM
_____	PPM
_____	PPM
_____	PPM

CB3 220 PPM

ADDITIONAL ANALYSIS PER REQUEST

ASH = 108% P/MCE

COMMENTS

SUBMITTED BY Ben Carilli

TITLE Chemist

DATE 10-25-01

Oct-25-01 03:19pm From

T-063 P 02/02 E-436

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) CERT. # 2031

GENERATOR'S WASTE PROFILE WORKSHEET

GENERATOR'S INFORMATION

- A. GENERATOR'S NAME JOHN NADY
- B. EPA ID# CAC 001 465 504
- C. GENERATOR'S ADDRESS 1161-65th ST.
- D. PHONE 925 625-1736
- E. CITY, STATE, ZIP Oakland, CA 94608
- FAX 925 679-1128
- F. GENERATOR CONTACT Bob Kemp or Mike Pedder TITLE _____
- H. CUSTOMER NAME Asbury Environ.
- I. PHONE (800-727-2879
- J. TRANSPORTER NAME Asbury Environ.
- K. PHONE (800-727-2879
- L. TRANSPORTER EPA ID# CAD 028 2730310
- M. CONTACT _____

- A. NAME OF WASTE (Oily Water) Non RCRA Hazardous Waste Liquid
- B. CALIFORNIA HAZARDOUS WASTE CODE NO. 222 C. EPA HAZARDOUS WASTE CODE NO. None
- D. DESCRIBE PROCESS GENERATING WASTE Maintenance
- E. DOES THIS WASTE CONTAIN PCB'S? _____ yes no
- F. DOES THIS WASTE CONTAIN DICHLIN? (F0020-F0028) _____ yes no
- G. DOES THIS WASTE CONTAIN SULFIDES OR CYANIDES? _____ yes no
- H. DOES THIS WASTE CONTAIN SOLVENTS? _____ yes no
(IF YES, IDENTIFY IN ITEMS A OR D ABOVE.)
- I. DOES THIS WASTE CONTAIN PLATING WASTE? _____ yes no
- J. HAS THIS WASTE BEEN MIXED WITH RCRA LISTED WASTE? _____ yes no
(F, K, U OR P EPA WASTE CODES)
- K. IF YOU HAVE MSDS FOR COMPONENTS IN THIS WASTE, PLEASE ATTACH.....MSDS ATTACHED
- L. IF YOU HAVE CURRENT ANALYSIS OF THIS WASTE, PLEASE ATTACH.....CHEMICAL ANALYSIS ATTACHED

GENERATOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED ON THIS DOCUMENT, IS TRUE AND ACCURATE, AND NO INTENTIONAL MISREPRESENTATION HAS BEEN COMMITTED BY ANY ONE. I FURTHER CERTIFY THAT ANY SAMPLE(S) PROVIDED WITH THIS WASTE PROFILE WERE TAKEN AND PRESERVED IN ACCORDANCE WITH 40 CFR 261, APPENDIX 1 AND ARE ACCURATE AND REPRESENTATIVE OF MY ACTUAL WASTE STREAM. I HEREBY AGREE TO NOTIFY DE MENNO / KERDOON SHOULD THIS WASTE STREAM CHANGE IN ANY WAY.

* AUTHORIZED SIGNATURE Jerriam Alexander for John Nady DATE 11, 15, 01

* PRINT NAME AND TITLE Jerriam Alexander Environmental Compliance

Nov-14-01 05:58pm From-

T-537 P.02/03 F-008

DEMENNO / KERDOON

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) CERT. # 2031

GENERATOR'S WASTE PROFILE WORKSHEET

GENERATOR'S INFORMATION

- A. GENERATOR'S NAME John Nady
- B. EPA ID# CAC001405504
- C. GENERATOR'S ADDRESS 1167 W 7th St.
- D. PHONE 925 125-17310
- E. CITY, STATE, ZIP Oakland CA 94608
- F. GENERATOR CONTACT Mike Pederson
- G. TITLE _____
- H. CUSTOMER NAME Asbury Environ.
- I. PHONE (800-727-2879
- J. TRANSPORTER NAME Asbury Environ.
- K. PHONE (800-727-2879
- L. TRANSPORTER EPA ID# CAD028277036
- M. CONTACT Hans Binsch

RA Waste Flammable Liquid, No. 8

- A. NAME OF WASTE (gasoline, water), 3, UN1993, PG 111
- B. CALIFORNIA HAZARDOUS WASTE CODE NO. 135 C. EPA HAZARDOUS WASTE CODE NO. D001
- D. DESCRIBE PROCESS GENERATING WASTE Water with trace amounts of gasoline (0-5%)
- E. DOES THIS WASTE CONTAIN PCB'S? _____ yes no
- F. DOES THIS WASTE CONTAIN D OXIN? (F0020-F0028) _____ yes no
- G. DOES THIS WASTE CONTAIN SULFIDES OR CYANIDES? _____ yes no
- H. DOES THIS WASTE CONTAIN SOLVENTS? _____ yes no
(IF YES, IDENTIFY IN ITEMS A C R D ABOVE.)
- I. DOES THIS WASTE CONTAIN PLATING WASTE? _____ yes no
- J. HAS THIS WASTE BEEN MIXED WITH RCRA LISTED WASTE? (F, K, U OR P EPA WASTE CODES) _____ yes no
- K. IF YOU HAVE MSDS FOR COMPONENTS IN THIS WASTE, PLEASE ATTACH.....MSDS ATTACHED
- L. IF YOU HAVE CURRENT ANALYSIS OF THIS WASTE, PLEASE ATTACH.....CHEMICAL ANALYSIS ATTACHED

GENERATOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED ON THIS DOCUMENT, IS TRUE AND ACCURATE, AND NO INTENTIONAL MISREPRESENTATION HAS BEEN COMMITTED BY ANYONE. I FURTHER CERTIFY THAT ANY SAMPLE(S) PROVIDED WITH THIS WASTE PROFILE WERE TAKEN AND PRESERVED IN ACCORDANCE WITH 40 CFR 261, APPENDIX 1 AND ARE ACCURATE AND REPRESENTATIVE OF MY ACTUAL WASTE STREAM. I HEREBY AGREE TO NOTIFY DE MENNO / KERDOON SHOULD THIS WASTE STREAM CHANGE IN ANY WAY.

AUTHORIZED SIGNATURE *Terriann Alexander for John Nady* DATE 11, 15, 01

PRINT NAME AND TITLE Terriann Alexander Environmental Consultant

Nov-14-01 08:58pm From-

T-537 P.03/03 F-306

DE MENNO / KERDOON

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) CERT. # 2031

GENERATOR'S WASTE PROFILE WORKSHEET

GENERATOR'S INFORMATION

- A. GENERATOR'S NAME John Nady
- B. EPA ID# CAL 001 405 504
- C. GENERATOR'S ADDRESS 1167 W 7th St
- D. PHONE 925 625-1736
- E. CITY, STATE, ZIP Oakland CA 94608
- F. GENERATOR CONTACT Mike Pederson
- G. TITLE _____
- H. CUSTOMER NAME Asbury Environ.
- I. PHONE () 800-727-2879
- J. TRANSPORTER NAME Asbury Environ.
- K. PHONE () 800-727-2879
- L. TRANSPORTER EPA ID# CAL 028 27 7036
- M. CONTACT Hans Binsch

RCRA Waste. Plammable Liquid, N.O.S. (gasoline

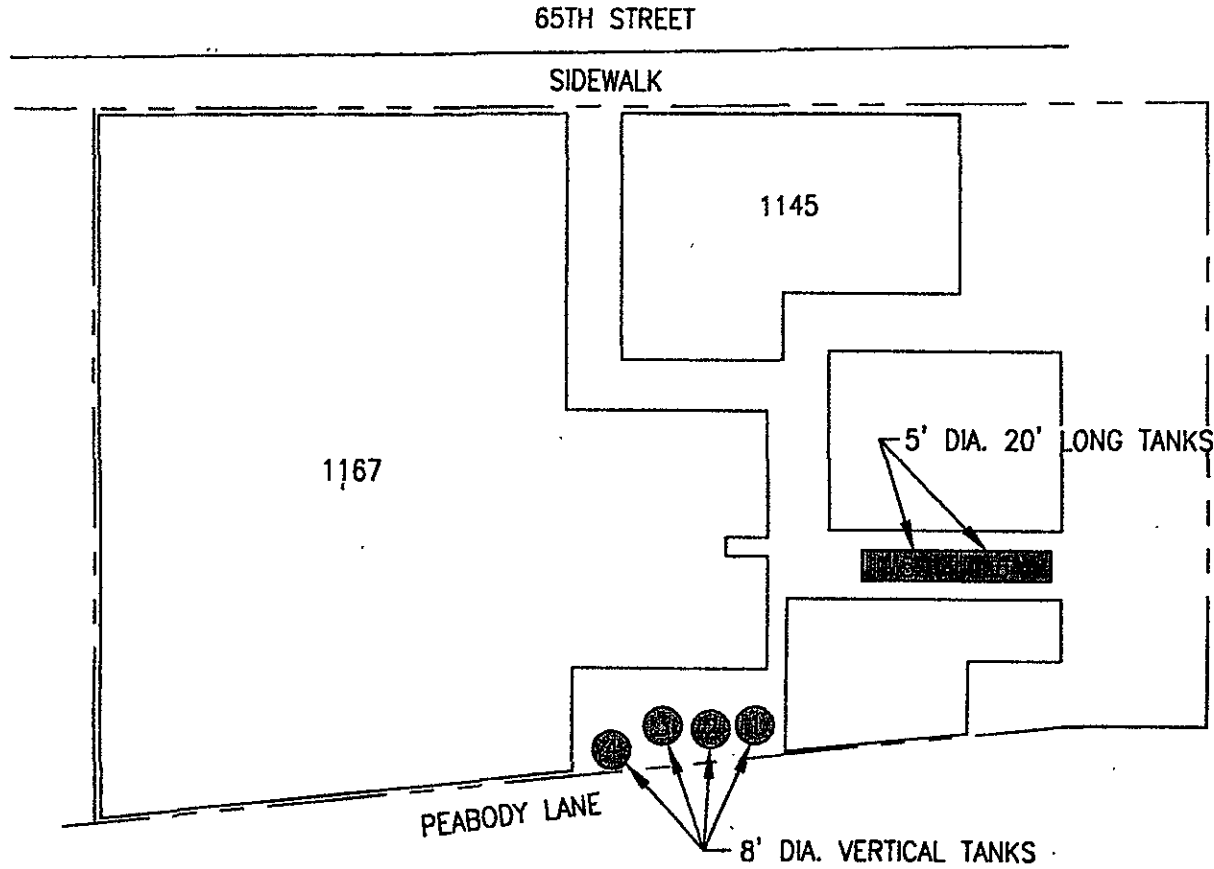
- A. NAME OF WASTE water, 3, UN1993, PG 141
- B. CALIFORNIA HAZARDOUS WASTE CODE NO. 135 C. EPA HAZARDOUS WASTE CODE NO. D001
- D. DESCRIBE PROCESS GENERATING WASTE Water with trace amounts of gasoline (0-20%)
- E. DOES THIS WASTE CONTAIN PCB'S? _____ yes no
- F. DOES THIS WASTE CONTAIN DIOXIN? (F0020-F0028) _____ yes no
- G. DOES THIS WASTE CONTAIN SULFIDES OR CYANIDES? _____ yes no
- H. DOES THIS WASTE CONTAIN SOLVENTS? _____ yes no
(IF YES, IDENTIFY IN ITEMS A OR D ABOVE.)
- I. DOES THIS WASTE CONTAIN PLATING WASTE? _____ yes no
- J. HAS THIS WASTE BEEN MIXED WITH RCRA LISTED WASTE? (F, K, U OR P EPA WASTE CODES) _____ yes no
- K. IF YOU HAVE MSDS FOR COMPONENTS IN THIS WASTE, PLEASE ATTACHMSDS ATTACHED
- L. IF YOU HAVE CURRENT ANALYSIS OF THIS WASTE, PLEASE ATTACHCHEMICAL ANALYSIS ATTACHED

GENERATOR'S CERTIFICATION

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AUTHORIZED SIGNATURE *Terriann Alexander* DATE 11/15/01
 PRINT NAME AND TITLE Terriann Alexander Environmental Consultant

C:\JOBDOCS\855\855003\A855.003.01.dwg 11-12-01 10:04:49 AM cyoung



11/16 Manifest 21353060 Tanks 1, 3 and lot 24
 11/16 Manifest 21353061 Tanks 4 and 6
 11/19 Manifest 21353064 Tanks 2 and 5
 11/26 Manifest 21211001 Wash water

APPROXIMATE SCALE IN FEET



SITE PLAN

1137-1167 65TH STREET
OAKLAND, CALIFORNIA



Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

DRAWN BY:
CFY

DATE
11/12/01

PLATE

2

JOB NUMBER
855.003

FILE NUMBER:
A855.003.01

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC001145550A	Manifest Document No. 53060	2. Page 1 4	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELLMOUND STREET EMERYVILLE		CA 94608	21353060		
4. Generator's Phone # 925-625-1736					
5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES		6. US EPA ID Number CAD02B270BF			
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address DEMENNOKERDOON 2000 N. ALAMEDA STREET COMPTON		10. US EPA ID Number CA 90222 CAT080013352			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	Waste Number
		Type			
a. RQ, WASTE FLAMMABLE LIQUIDS N.O.S (GASOLINE, WATER), 3, UN1993, PG III		001	TT	21750 G	
b.					
c.					
d.					
1. Additional Descriptions for Materials Listed Above WATER WITH TRACE AMOUNTS OF GASOLINE O.S.		2. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information USE PPE NAERG #: 11A 171 SITE: 1167 67TH ST, OAKLAND, CA 94608 EMERGENCY CONTACT: MEL HARPER (310)466-5010					
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 Jerriann Alexander for John Nady		Signature <i>Jerriann Alexander for John Nady</i>		Month 11	Day 16
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Richard A Marklin</i>		Month 11	Day 16
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day
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

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-952-7343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC001255504530610		Manifest Document No. 610		2. Page 1 of 4		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELLMOUND STREET EMERYVILLE CA 94608						A. State Manifest Document Number 21353060							
4. Generator's Phone 925 625-1736						B. State Generator's ID							
5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES						C. State Transporter's ID (Reserved)							
6. US EPA ID Number CAD02B277035						D. Transporter's Phone (310)886-3400							
7. Transporter 2 Company Name						E. State Transporter's ID (Reserved)							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address DEMENNO/KERDOON 2000 N. ALAMEDA STREET COMPTON CA 90222						G. State Facility's ID							
10. US EPA ID Number CAT080013352						H. Facility's Phone (310)537-7100							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, WASTE FLAMMABLE LIQUIDS N.O.S (GASOLINE, WATER), 3, UN1993, PG III						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number	
						001 TT 01750 G						343 EPA/Other 0001	
16. Additional Descriptions for Materials Listed Above WATER WITH TRACE AMOUNTS OF GASOLINE 0.5%						K. Handling/Labeling for Wastes Listed Above RQ							
15. Special Handling Instructions and Additional Information USE PPE NAERG #: 11A. 171 SITE: 1167 67TH ST, OAKLAND, CA 94608						EMERGENCY CONTACT : MEL HARPER (310)466-5010							
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 Jerriann Alexander for John Nady						Signature <i>[Signature]</i>		Month Day Year 11 16 01					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Richard A Mentler						Signature <i>[Signature]</i>		Month Day Year 11 16 01					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature		Month Day Year					
19. Discrepancy Indication Space Quantity discrepancy greater than 10% variation reconciled with transporter on 11-30-01 with 1056 gallons													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest under Generator's Item 11. Printed/Typed Name Mel Harpe						Signature <i>[Signature]</i>		Month Day Year 11 16 01					

DO NOT WRITE BELOW THIS LINE.

White: TSDf SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. Manifest Document No. 2. Page 1 of 1

C A C 0 0 1 1 6 5 5 0 2 5 3 0 6 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
JOHN NADY
6701 SHELLMOUND STREET
EMERYVILLE
 4. Generator's Phone (925 825-1736

CA 94608

21353061

5. Transporter 1 Company Name
ASBURY ENVIRONMENTAL SERVICES

6. US EPA ID Number
 C A D 0 2 B 2 7 7 0 B 6

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
DEMENNOKERDOON
2000 N. ALAMEDA STREET
COMPTON

CA

90222

10. US EPA ID Number
 C A T 0 8 0 0 1 B B 5 2

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)
 a. **RQ, WASTE FLAMMABLE LIQUIDS N.O.S (GASOLINE, WATER), 3, UN1993, PG III**

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Hazardous Waste Number
001	TIT	3810	G	

J. Additional Descriptions for Materials Listed Above
WATER WITH TRACE AMOUNTS OF GASOLINE 0.2%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
USE PPE
NAERG#: 11A, 171
SITE: 1187 67TH ST, OAKLAND, CA 94608

EMERGENCY CONTACT: MEL HARPER (310)466-5010

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: **Brian Alexander for John Nady** Signature: *Brian Alexander for John Nady* Month: 11 Day: 16 Year: 01

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **ABIE COOK** Signature: *Abie Cook* Month: 11 Day: 16 Year: 01

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:

DO NOT WRITE BELOW THIS LINE.

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

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC0012555045131064		2. Page 1 of 3		Information in the shaded areas is not required by Federal law					
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELLMOUND STREET EMERYVILLE CA 94608				21853054							
4. Generator's Phone 925 625-1736		5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES		6. US EPA ID Number CAD02B277086							
7. Transporter 2 Company Name		8. US EPA ID Number									
9. Designated Facility Name and Site Address DEMENNOKERDOON 2000 N. ALAMEDA STREET. COMPTON CA 90222				10. US EPA ID Number CAT080013352							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit			
				No.		Type		Quantity		Wt/Vol	
				a.							
				b.							
				c.							
d.											
15. Special Handling Instructions and Additional Information USE PPE NAERG # 11A 171 SITE: 1167 67TH ST, OAKLAND, CA 94608				EMERGENCY CONTACT: MEL HARPER (310)466-5010							
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 <i>Abie Cook</i>		Signature <i>Abie Cook</i>		Month <i>11</i>		Day <i>19</i>		Year <i>01</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name ABIE COOK		Signature <i>Abie Cook</i>		Month <i>11</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month <i>11</i>			
19. Discrepancy Indication Space				Printed/Typed Name		Signature		Month <i>11</i>			
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 <i>11</i>			

DO NOT WRITE BELOW THIS LINE.

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. A P P P R R F F P P P A 4 1 5 1 0 1 1 1 1		Manifest Document No. 4 1 5 1 0 1 1 1 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELLMOUND STREET EMERYVILLE 4. Generator's Phone (925 625-1736						A. State Manifest Document Number 21353064								
5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES						B. State Generator's ID 								
6. US EPA ID Number C A U P P U R T T P P P						C. State Transporter's ID (Reserved)								
7. Transporter 2 Company Name						D. Transporter's Phone (310)896-3400								
8. US EPA ID Number						E. State Transporter's ID (Reserved)								
9. Designated Facility Name and Site Address DEMENNOKERDOON 2000 N ALAMEDA STREET COMPTON CA 90222						F. Transporter's Phone								
10. US EPA ID Number C A T P P P P P P P P P P P P P P P P						G. State Facility ID C A T 0 2 0 9 1 3 5 7								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol				
a. NON RCRA HAZARDOUS WASTE LIQUID, (OILY WATER)						No. Type		Quantity		Waste Number				
						001 T T		04800		State ID				
b.										State				
c.										EPA/Gen				
d.										State				
15. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above								
						R-01								
15. Special Handling Instructions and Additional Information USE PPE NAERG #: 11A 171 SITE: 1167 67TH ST. OAKLAND, CA 94608						EMERGENCY CONTACT: MEL HARPER (310)466-5010								
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 JOHN NADY						Signature <i>[Signature]</i>			Month Day Year 11 10 01					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name ADIE COOK			Signature <i>[Signature]</i>			Month Day Year 11 19 01		
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 JUDE A PERERA						Signature <i>[Signature]</i>			Month Day Year 11 12 01					

DO NOT WRITE BELOW THIS LINE.

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000114165504	Manifest Document No. 11001	2. Page 1 of	Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address JOHN NADY 6701 SILELL MOUND ST. EMERYVILLE, CA 94608			A. State Manifest Document Number 21211001			
4. Generator's Phone 925 625-1736			B. State Generator's ID			
5. Transporter 1 Company Name FOSS ENVIRONMENTAL		6. US EPA ID Number CA R060030114		C. State Transporter's ID (Required)		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 510-749-1390		
9. Designated Facility Name and Site Address DEMENNO/KERDOON 2000 N. ALAMEDA ST. CAMPION, CA 90222		10. US EPA ID Number CA T080013352		E. State Facility's ID (Required) (310) 537-9100		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number State EPA/Other	
a. NON RCRA HAZARDOUS WASTE LIQUID (OILY WATER)		001	5000	Gal	State EPA/Other	
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
L. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information USE PPE NAERG # 11A. 171 Site: 1167 67 th ST. OAKLAND, CA 94608			Emergency Contact TPDD Roloff 510-749-1390			
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		Signature		Month	Day	Year
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
Printed/Typed Name Raymond Campbell		Signature Raymond Campbell		11	25	01
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
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

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7350

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000114655104		Manifest Document No. 11001		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELL MOND ST. EMERYVILLE, CA 94608						A. State Manifest Document Number 21211001							
4. Generator's Phone 925 625-1736						B. State Generator's ID							
5. Transporter 1 Company Name FOSS ENVIRONMENTAL				6. US EPA ID Number CA0000030114		C. State Transporter's ID (Reserved)							
7. Transporter 2 Company Name						D. Transporter's Phone 510-749-1390							
8. US EPA ID Number						E. State Transporter's ID (Reserved)							
9. Designated Facility Name and Site Address DEMUDD/KERDOON 2000 N. ALAMEDA ST. COURTNEY, CA 94722						10. US EPA ID Number CA0080013352		G. State Facility's ID CA1080013352					
H. Facility's Phone (310) 537-7100													
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON RCRA HAZARDOUS WASTE LIQUID (OILY WATER) 0101 TIT 510101						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number	
15. Special Handling Instructions and Additional Information USE PPE NARRG # 11A. 171 SITE: 1167 67TH ST. OAKLAND, CA 94608						K. Handling Codes for Wastes Listed Above a. 0 b. c. d.							
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.						Emerging CONTACT: TODD ROLOFF 510-749-1390							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Anthony Callaway Signature: Anthony Callaway agent of John Nady				Month: 11 Day: 26 Year: 01									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: Raymond Campbell Signature: Raymond Campbell				Month: 11 Day: 26 Year: 01									
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 17 Printed/Typed Name: SOPHAL P. SWAY Signature: [Signature]						Month: 11 Day: 27 Year: 01							

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 0000243651101002				Manifest Document No. 01002		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address JOHN NADY 6701 SHELLMOUND STREET EMERYVILLE CA 94605						A. State Manifest Document Number 21361002					
4. Generator's Phone (925) 825-1736						B. State Generator's ID					
5. Transporter 1 Company Name ASBURY ENVIRONMENTAL SERVICES						C. State Transporter's ID (Required)					
6. US EPA ID Number CA 00028277036						D. Transporter's Phone (310) 800-3400					
7. Transporter 2 Company Name						E. State Transporter's ID (Required)					
8. US EPA ID Number						F. Transporter's Phone					
9. Designated Facility Name and Site Address DEMENNOKERDOON 2000 N. ALAMEDA STREET COMPTON CA 90222						G. State Facility's ID CAT080013352					
10. US EPA ID Number						H. Facility's Phone (310) 537-7100					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit		
a. NON-RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)					No. Type		Quantity		Wt/Vol		
							281 T T O 28.00 G				
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information USE PPE EMERGENCY CONTACT: MEL HARPER (310) 465-5010 NAERG #: 11A. 171 SITE: 1167 67TH ST, OAKLAND, CA 94608 Project # 14132A12 IO# 0809779											
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 Lee Hawk For John Nady						Signature <i>[Signature]</i>			Month Day Year 02 07 02		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JEFF BIGLOW						Signature <i>[Signature]</i>			Month Day Year 02 07 02		
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 SOPHIA P. SWAY											
Signature <i>[Signature]</i>						Month Day Year 02 11 02					

GENERATOR

TRANSPORTER

FACILITY

DO NOT WRITE BELOW THIS LINE.

**Asbury Environmental Services and DK Environmental Waste Profiles
Non-Hazardous Waste Manifests
Disposal Facility Certificates**

For Rain Water and Groundwater

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC 002 436 511	Manifest Document No. 111 100 36 5	2. Page 1 of 1
3. Generator's Name and Mailing Address John NADY 6701 Shellmound St. EMERYVILLE, CA 94608				
4. Generator's Phone (925) 625-1736				
5. Transporter 1 Company Name HARBURY ENVIRONMENTAL	6. US EPA ID Number ICAD 028 277 036	A. State Transporter's ID		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 1 Phone (310) 886-3400		
9. Designated Facility Name and Site Address DRE 3650 EAST 26th ST LOS ANGELES CA 90023		C. State Transporter's ID		
10. US EPA ID Number CAT 080 033 681		D. Transporter 2 Phone		
		E. State Facility's ID		
		F. Facility's Phone (323) 268-5056		

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. NON HAZARDOUS WASTE LIQUID (WATER)	1	TT	-1200	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above	H. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information

SITE ADDRESS: 1167 67th ST. EMERGENCY CONTACT
 OAKLAND CA MEL HARPER (310) 466-5010

Proj# 14132A12 PO# AD810084

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Lee Lewis and John Nady	Signature <i>[Signature]</i>	Date Month: 07 Day: 02 Year: 02
---	---------------------------------	------------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name GREGORY A. ...	Signature <i>[Signature]</i>	Date Month: 07 Day: 02 Year: 02

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.		
Printed/Typed Name	Signature <i>[Signature]</i>	Date Month: 07 Day: 02 Year: 02

GENERATOR INFORMATION

TRANSPORTER FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US-EPA ID No.	Manifest Document No. NH-100948	2. Page 1 of 1
3. Generator's Name and Mailing Address John Nady 6701 Shellmound Street Oakland, CA 94608 (925) 825-1736				
5. Transporter 1 Company Name Ashury Environmental Services		6. US EPA ID Number CAD 028277036		A. State Transporter's ID
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (310) 88603400
9. Designated Facility Name and Site Address D/K Environmental Services 3650 East 26th Street Vernon, CA 90023		10. US EPA ID Number CAT080033681		C. State Transporter's ID
D. Transporter 2 Phone				
E. State Facility's ID				
F. Facility's Phone (323) 268-5056				

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. Non-Hazardous Waste Liquid (Rain Water)	001	TT	4200	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above 11A) 32.0219-33	H. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information
***Use P.P.E.* 24-Hour Emergency Contact: Mel Harper (310) 466-5010**
Site: 1167 17th St, Oakland, CA 94608
PROJECT# 14464M15 POS AD810107

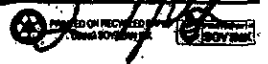
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Bob V... John Nady	Signature <i>[Signature]</i>	Date 2/19/02
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name STANLEY D WILES	Signature <i>[Signature]</i>	Date 2/19/02
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name TERRY RUTHERS	Signature <i>[Signature]</i>	Date 2/19/02
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NON-HAZARDOUS WASTE

RECEIVED

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. NH-100948-A	2. Page 1 of 1
3. Generator's Name and Mailing Address John Nady 6701 Shellmound St. EMERYVILLE, CA 94608		4. Generator's Phone (925) 625-1736			
5. Transporter 1 Company Name ABILITY ENVIRONMENTAL SEC LEAD 028 277 036		6. US EPA ID Number		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (910) 886-3400	
9. Designated Facility Name and Site Address D.K.E. 3650 EAST 26TH ST. VERNON CA 90023		10. US EPA ID Number 1 CAT 08U 033681		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (323) 268-5056	
11. WASTE DESCRIPTION			12. Containers		13. Total Quantity
a. NON HAZARDOUS WASTE LIQUID (WORTH)			No.	Type	14. Unit Wt./Vol.
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above SITE ADDRESS: 1167 67th ST. Oakland CA 94608 PROJECT # 14464A15 PO # A0810107			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					

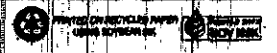
NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Lee Don For John Nady	Signature <i>[Signature]</i>	Date 2/19/02
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Stanley D. Wiles	Signature <i>[Signature]</i>	Date 2/19/02
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.		
Printed/Typed Name TERRY RATHIASA	Signature <i>[Signature]</i>	Date 2/15/02



NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on effis (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. NR-100937	2. Page 1 of 1
3. Generator's Name and Mailing Address John Nady 6701 Shellmound Street Emeryville, CA 94608					
4. Generator Phone (925) 625-1736		6. US EPA ID Number CAD028277036		A. State Transporter's ID	
5. Transporter 1 Company Name Asbury Environmental Services		7. Transporter 2 Company Name		B. Transporter 1 Phone (910) 886-3400	
8. Designated Facility Name and Site Address D/K Environmental 3650 East 26th Street Vernon, CA 90023		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (323) 268-5056	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit WL/Vol.
a. Non-Hazardous Waste Liquid (Rainwater and Groundwater)			No. 001	Type TI	-1900
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11A) 33 02 1-33			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information *Use P.P.E.* 24-Hour Emergency Contact: Mel Harper (310) 466-5010 Site: 1167 67th Street, Oakland, CA 94608 PROJECT 14637A15 PO# A0810294					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name Laurence M. John Nady		Signature <i>[Signature]</i>		Date 2/25/02	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name STANLEY D WILES		Signature <i>[Signature]</i>	
		18. Transporter 2 Acknowledgement of Receipt of Materials		Date 2/25/02	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name RAIT, JASAK		Signature <i>[Signature]</i>		Date 2/25/02	

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 111-101009	2. Page 1 of 1
3. Generator's Name and Mailing Address John Nady 1107 67th Street Berkeley CA 94708				
4. Generator's Phone ()			925)625-1734 (CES)	
5. Transporter 1 Company Name ASBURY Environmental	6. US EPA ID Number CA0292770360	A. State Transporter's ID		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 1 Phone		
9. Designated Facility Name and Site Address AK Environmental Veneta, CA 95373 LEVIN'S RICHMOND TERMINAL CORP 402 WRIGHT AVE RICHMOND CA 94804		C. State Transporter's ID 3107890-2-100		
		D. Transporter 2 Phone		
		E. State Facility's ID		
		F. Facility's Phone 533)268-5550 (TR) 510)231-2301		
11. WASTE DESCRIPTION Non Hazardous Waste Liquid (Rainwater and Groundwater)		12. Containers No.	13. Total Quantity	14. Unit Vol.
		Type		
		001	-1200-	G
15. Additional Descriptions for Materials Listed Above HA) 320219-33		H. Handling Codes for Wastes Listed Above		
16. Special Handling Instructions and Additional Information Wear V.R.E Emergency Contact - Mel Murphy (310) 466-5010 Dist # 14830A12 PG# 10810407				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: <u>John Nady</u> Signature: <u>[Signature]</u>		Date: <u>3/7/02</u>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: <u>STANLEY D. NILES</u> Signature: <u>[Signature]</u>		Date: <u>3/7/02</u>		
19. Discrepancy Indication Space				
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19. Printed/Typed Name: <u>TERRY RATAJESAK</u> Signature: <u>[Signature]</u>		Date: <u>03/04/02</u>		



**Ecology Control Industries
Hazardous Waste Manifests
Disposal Facility Certificates**

For Exterior Tanks



Subsurface Consultants, Inc.



FILE

LETTER OF TRANSMITTAL

TO: Department of Toxic Substances Control DATE: February 28, 2002
P.O. Box 400
Sacramento, California 95812-0400

FROM: Emily Silverman

PROJECT: 1137-1167 65th Street, Emeryville

SCI JOB NUMBER: 855.003

OFFICE SENT FROM: Oakland

WE ARE SENDING YOU: 1 copy(ies)

- final report
- draft report
- Service Agreement
- proposed scope of services
- specifications
- grading/foundation plans
- soil samples/groundwater samples
- executed contract

- if you have any questions, please call
- for your review and comment
- please return an executed copy
- with our comments
- for your use
- as requested
- Waste Manifests
-

REMARKS:

As required by law please find two Uniform Hazardous Waste Manifest, Nos. 21394917 and 21394922, dated February 25, 2002.

cc: Mr. Fred Schrag, Nady Wireless, 6701 Shellmound Street, Emeryville, CA. 94608

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C101021430511194917	Manifest Document No.		2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address John Naply 6701 Shellbound St. EMERYVILLE, CA 94608					A. State Manifest Document Number 21394917				
4. Generator's Phone					B. State Generator's ID				
5. Transporter 1 Company Name Ecology Control Industries			6. US EPA ID Number CA D 982030173		C. State Transporter's ID (Reserved)				
7. Transporter 2 Company Name					D. Transporter's Phone 510-235-1393				
8. US EPA ID Number					E. State Transporter's ID (Reserved)				
9. Designated Facility Name and Site Address ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD RICHMOND CA 94801					F. Transporter's Phone				
10. US EPA ID Number CA D 009466392					G. State Facility's ID				
					H. Facility's Phone (510) 235-1393				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	13. Total Quantity	14. Unit Wt/Val	1. Waste Number
NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK						No.	Type		State
							TP	4090	P
b.									EPA/Other
c.									NONE
d.									
15. Additional Descriptions for Materials Listed Above QTY. 2 EMPTY STORAGE TANK # 29609, 29610 TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY						K. Handling Codes for Wastes Listed Above			
						a.	b.	c.	d.
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: 24 HOUR EMERGENCY TELEPHONE NUMBER: DOT ERG # 171									
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 Emily Silverman Schnacky					Signature <i>[Signature]</i>		Month Day Year 01 21 50 12		
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Paul Howard					Signature <i>[Signature]</i>		Month Day Year 02 21 50 12		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name Emily Silverman Schnacky					Signature <i>[Signature]</i>		Month Day Year 01 21 50 12		
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		

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CACD02443165V11** Manifest Document No. _____ 2. Page 1 of 1 Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address **John Nady 6701 - Shellmound Street Emeryville CA 94608** A. State Manifest Document Number **21394922**

4. Generator's Phone **(925) 625-1736** B. State Generator's ID _____

5. Transporter 1 Company Name **Ecology Control Industries** 6. US EPA ID Number **CAD982030173** C. State Transporter's ID (Reserved) _____ D. Transporter's Phone **510-235-1393**

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 **ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD RICHMOND CA 94801** 10. US EPA ID Number **CAD009466392** G. State Facility's ID _____ H. Facility's Phone **(510) 235-1393**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number	
	No.	Type			State	EPA/Other
NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK	002	TP	6000	P	State	512
b.					EPA/Other	NONE
c.					State	
d.					EPA/Other	

J. Additional Descriptions for Materials Listed Above
QTY 2 EMPTY STORAGE TANK # 29611 62902
TANKS HAVE BEEN INERTED
WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY

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

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE.
24 HOUR EMERGENCY CONTACT:
24 HOUR EMERGENCY TELEPHONE NUMBER: ^{Site} 1137-65th ST OAKLAND DOT ERG # 171

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 **Agent for Emily Silverman John Nady** Signature *[Signature]* Month **01** Day **25** Year **02**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **Robert Armstrong** Signature *[Signature]* Month **02** Day **25** Year **02**

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 _____

DO NOT WRITE BELOW THIS LINE.

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

GENERATOR

TRANSPORTER

FACILITY

MAY. 8. 2002 12:23PM ECI SPARKS

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

Environmental Protection Agency
Approved OMB No. 2050-0038 (Expires 9-30-99)
Form designed for use on all 120 (light) typewriter.

Information in the shaded space
is not required by Federal law.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No. **CACD02443651194922**

Manifest Document No.

2. Page 1

3. Generator's Name and Mailing Address
**John Nash
EMERYVILLE CA 94608**

4. Generator's Phone **925-625-1736**

6. US EPA ID Number

5. Transporter 1 Company Name
Ecology Control Industries

CAD982030173

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**ECOLGY CONTROL INDUSTRIES
225 PARR BLVD
RICHMOND CA 94801**

10. US EPA ID Number

CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

**NON-RCRA HAZARDOUS WASTE SOLID
WASTE EMPTY STORAGE TANK**

12. Containers
No. **062 TP**

13. Total Quantity

6000 P

14. Additional Comments (including DOT markings)
**EMPTY STORAGE TANK - 29GAL - 2000 -
TANKS HAVE BEEN INERTED**

14. Unit Wt/Vol

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE.

**24 HOUR EMERGENCY CONTACT: site
24 HOUR EMERGENCY TELEPHONE NUMBER: 2137-65th ST OAKLAND DOT ERG # 171**

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 identified, 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 achievable 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: **John Nash** Signature: *John Nash* Month: **02** Day: **25** Year: **02**

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: **Robert Acosta** Signature: *Robert Acosta* Month: **02** Day: **25** Year: **02**

18. Transporter 2 Acknowledgment 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 conveyed by this manifest except as noted in Item 14.
Printed/Typed Name: **James Wilcox** Signature: *James Wilcox* Month: **02** Day: **25** Year: **02**

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802. WITHIN CALIFORNIA, CALL 1-800-852-7650

MAY 8 2002 12:24PM ECI SPARKS

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

State of California Environmental Protection Agency
Form No. 106 (Rev. 01-99) (Expires 1-30-02)
Please print or type. Form designed for use on 8 1/2 (12-pitch) typewriter.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9312; WHEN IN CALIFORNIA, CALL 1-800-424-9312

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. CA100948484307		Manifest Number 94917		2. Page 1 of 1		Information to be checked (as required by federal law)			
3. Generator's Name and Mailing Address John Spurr 801 Skidmore St Ecology Control Industries 285 Park Blvd Richmond CA 94801				4. US EPA ID Number CA100948484307		5. Total Quantity 1000		6. Unit WT			
7. Transporter's Company Name Ecology Control Industries				8. US EPA ID Number CA100948484307		9. Total Quantity 1000		10. Unit WT			
9. Designated Facility Name and Site Address ECOLGY CONTROL INDUSTRIES 285 PARK BLVD RICHMOND CA 94801				10. US EPA ID Number CA100948484307		11. Total Quantity 1000		12. Unit WT			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON-RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK				12. Container No. / Type TP / P		13. Total Quantity 1000		14. Unit P			
15. Additional Information (including Manifest No.) 2002 11610				16. Handling, Storage or Waste Control Code 01		17. Total Quantity 1000		18. Unit P			
<p>15. Special Handling Instructions and Additional Information: WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: 24 HOUR EMERGENCY TELEPHONE NUMBER: DOT ERG # 1.71</p>											
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this container 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.</p> <p>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 maximum 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 pressure and volume of waste 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.</p>											
17. Generator 1 Acknowledgment of Receipt of Materials Printed/Typed Name: James Wilcox Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002				18. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name: John Spurr Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002		19. Generator 2 Acknowledgment of Receipt of Materials Printed/Typed Name: John Spurr Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002		20. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name: John Spurr Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002		21. Designated Facility Printed/Typed Name: James Wilcox Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002	
22. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest (signature as noted in Item 17) Printed/Typed Name: James Wilcox Signature: <i>[Signature]</i> Month: 05 Day: 21 Year: 2002											

DO NOT WRITE BELOW THIS LINE.

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO.

CUSTOMER
JOB NO. 5242852
CONTROLLED ENVL

FOR: ECOLOGY CONTROL INDUST TANK NO. 29809

LOCATION: RICHMOND, CA DATE: 3/5/2002 TIME: 12:37:39

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT NON-RCRA SOLVENT

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 3000 GALLONS CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[Signature]
REPRESENTATIVE

TITLE

James Wilcox
INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO.

CUSTOMER
JOB NO. 5242852
CONTROLLED ENVI

FOR: ECOLOGY CONTROL INDUST TANK NO. 29610

LOCATION: RICHMOND, CA DATE: 3/5/2002 TIME: 12:43:19

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT NON-RCRA SOLVENT

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 3000 GALLON CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[Signature]
REPRESENTATIVE

TITLE

[Signature]
INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO.

CUSTOMER
JOB NO. 5242852
CONTROLLED ENVI

FOR: ECOLOGY CONTROL INDUST TANK NO. 29611

LOCATION: RICHMOND, CA DATE: 3/5/2002 TIME: 12:55:48

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT NON-RCRA SOLVENT

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 3000 GALLON CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[Signature]
REPRESENTATIVE

TITLE

[Signature]
INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO.

CUSTOMER	
JOB NO.	5242852
CES	

FOR: ECOLOGY CONTROL INDUSTANK NO. 29612

LOCATION: RICHMOND CA DATE: 3/5/2002 TIME: 1:13:12

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT GASOLINE

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 3000 GALLON CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[Signature]
REPRESENTATIVE

TITLE

[Signature]
INSPECTOR

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC002443165119492-12	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address JOHN NADY 6701-Sherwood Street Emeraldville CA 94608			A. State Manifest Document Number 21394822		B. State Generator's ID							
4. Generator's Phone (925) 625-1736			C. State-Transporter's ID (Reserved)		D. Transporter's Phone							
5. Transporter 1 Company Name Ecology Control Industries		6. US EPA ID Number CIA09820301713		E. State-Transporter's ID (Reserved)		F. Transporter's Phone 510-235-1393						
7. Transporter 2 Company Name			8. US EPA ID Number		E. State Transporter's ID (Reserved)							
9. Designated Facility Name and Site Address ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD RICHMOND CA 94801			10. US EPA ID Number CIA0009466392		G. State Facility's ID CIA0009466392							
			H. Facility's Phone (510) 235-1393									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK			12. Containers		13. Total		14. Unit		I. Waste Number			
			No.		Type		Quantity		Wt/Vol		State	
					DRUM		6000 P				212	
											EPA/Other NONE	
											State	
J. Additional Descriptions for Materials Listed Above QTY 2 EMPTY STORAGE TANK # 29611 2962 TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY			K. Handling Codes for Wastes Listed Above									
			a. 01		b.							
			c.		d.							
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: ^{site} 24 HOUR EMERGENCY TELEPHONE NUMBER: 1137-65th St OAKLAND DOT ERG # 174												
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 Client for Emily Silverman John Nady			Signature <i>Emily Silverman</i>			Month 01		Day 25		Year 02		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert Armstrong			Signature <i>Robert Armstrong</i>			Month 02		Day 15		Year 02		
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 James Wilcox												
			Signature <i>James Wilcox</i>			Month 01		Day 25		Year 02		

DO NOT WRITE BELOW THIS LINE.

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA100102430511		Manifest Document No. 94917		2. Page 1 of 1		Information in the shaded areas is not required by Federal law				
3. Generator's Name and Mailing Address John Nally 6701 Shellmound St. Emeryville, CA 94608 425 1330						A. State Manifest Document Number 21894917						
4. Generator's Phone						B. State Generator's ID						
5. Transporter 1 Company Name Ecology Control Industries			6. US EPA ID Number CA10982030173			C. State Transporter's ID (Reserved)						
7. Transporter 2 Company Name						D. Transporter's Phone 510-235-1393						
7. Transporter 2 Company Name						E. State Transporter's ID (Reserved)						
7. Transporter 2 Company Name						F. Transporter's Phone						
9. Designated Facility Name and Site Address ECOLOGICAL CONTROL INDUSTRIES 255 PARR BLVD RICHMOND, CA 94801						10. US EPA ID Number CA10009466392		G. State Facility's ID CA10019466392				
9. Designated Facility Name and Site Address						H. Facility's Phone (510) 235-1393						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK					12. Containers		13. Total		14. Unit			
					No.	Type	Quantity	Wt/Vol	1. Waste Number			
					002 TP		6000		P			
b.									State 512			
									EPA/Other NONE			
c.									State			
									EPA/Other			
d.									State			
									EPA/Other			
J. Additional Descriptions for Materials Listed Above QTY. 2 EMPTY STORAGE TANK # 29009, 29610 TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY						K. Handling Codes for Wastes Listed Above						
						a. 01		b.				
						c.		d.				
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: 24 HOUR EMERGENCY TELEPHONE NUMBER: DOT ERG # 171												
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 Agent for Ecology Control Industries John Nally				Signature <i>[Signature]</i>				Month 02		Day 25		Year 02
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name John Howard				Signature <i>[Signature]</i>				Month 02		Day 25		Year 02
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name ES Agent for Ecology Control Industries John Nally				Signature <i>[Signature]</i>				Month 02		Day 25		Year 02
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 James Wilcox				Signature <i>[Signature]</i>				Month 02		Day 25		Year 02

DO NOT WRITE BELOW THIS LINE.

**SimsMetal America
Scrap Metal Acceptance Receipts**

Tank 6 and All Piping

REMITTANCE STATEMENT
IN FULL PAYMENT OF ITEMS LISTED BELOW

SIMSMETAL AMERICA

CES

Veh # 6C21345

I.D. #

CHECK DATE : 02/25/02

CHECK #: 023554

TICKET#	COMMODITY	GROSS	TARE	NETRED	CNT/WT	RD	EXT	PRICE/UM	ADJ	PRC/UM	COMMENTS	FRT	AMT	TOTAL	AMT:
TXL134	#1 HMS	6820	4860	1960				25.0000	NT	25.0000	NT	.00		24.50	

CUT UP TANK # 6 FROM NADY #1865
PUT IN THE FILE AS A RECEIPT.

VENDOR CP0000 TOTALS (POUNDS): 6820 4860 1960 TOTAL AMOUNT DUE SUPPLIER: 24.50

REMITTANCE STATEMENT
IN FULL PAYMENT OF ITEMS LISTED BELOW

SIMSMETAL AMERICA

CES

Veh # CES

I.D. #

CHECK DATE : 02/25/02

CHECK #: 023568

TICKET#	COMMODITY	GROSS	TARE	NETRED	CNT/WT	RD	EXT	PRICE/UM	ADJ	PRC/UM	COMMENTS	FRT	AMT	TOTAL	AMT:
TXL157	#1 HMS	6340	4940	1400				25.0000	NT	25.0000	NT	.00		17.50	

CUT UP TANK 6 NADY #1865
File

VENDOR CP0000 TOTALS (POUNDS): 6340 4940 1400 TOTAL AMOUNT DUE SUPPLIER: 17.50

WEIGHMASTER CERTIFICATE
TRUCK SCALE



SimsMetal
America

TICKET #: TXL157

Simsmetal USA Corporation

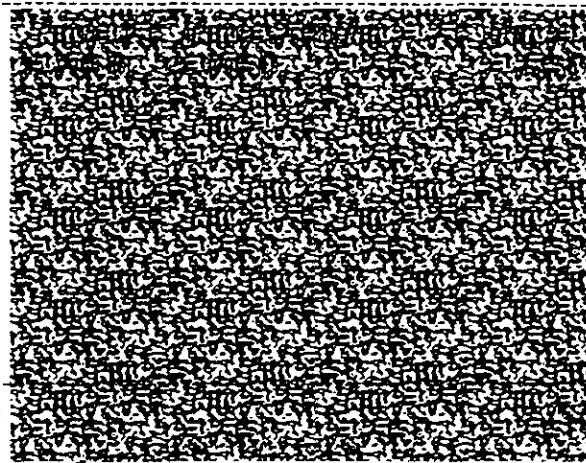
Purchased From: CP0000

CES
137 MAIN ST
OAKLEY CA

RICHMOND, CA DIVISION
RICHMOND DIVISION RC3265
RICHMOND CA 94804-3504
510-412-5300

Veh # CES ID # CES A=SCALE1 B=SCALE2 C=SCALE3 D=SCALE4 M=MANUAL WGT

COMMODITY	GROSS	TARE	NET	RED C/W	RD EXT
#1 HNS	6340 A	4940 B	1400	.0	.00



ALL WEIGHTS ARE REPORTED IN POUNDS UNLESS OTHERWISE INDICATED

TOTALS	6340	4940	1400		.00
--------	------	------	------	--	-----

WEIGHMASTER SIGNATURE (MARVIS MCBRIDE)

CUSTOMER SIGNATURE

GRS Date 02/25/02 NET TONS
GRS Time 12:02 .7000
TRE Date 02/25/02
TRE Time 12:27

FOR SALVAGE VEHICLE SALES I hereby certify under penalty of perjury that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT Seller will indemnify and hold buyer harmless from damages, demands and liabilities including reasonable attorney's fees resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same that it contains no hazardous material as defined by Federal or State law and that for payment hereby received I sell and convey title to SIMSMETAL AMERICA.

NOT REFUNDABLE MORE THAN 90 DAYS FROM DATE ABOVE.

In accordance with the Clean Air Act customer must complete the CFC Statement on the back of the yellow copy of this Weighmaster Certificate for any recyclable in this transaction which may have contained CFC refrigerants.



PRINTED ON RECYCLED PAPER

CUSTOMER COPY

CONTROL NUMBER

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the scale described on this was weighed, measured or loaded by a Weighmaster registered with the certificate who is a professional and certified as required by Chapter 7 (commencing with Section 26100) of Division 6 of California Business and Professions Code as administered by the Division of Measurement Standards, California Department of Industrial Relations.

**WEIGHMASTER CERTIFICATE
TRUCK SCALE**



SimsMetal
America

TICKET #: **TXL134**

Simsmetal USA Corporation

Purchased From: **CP0000
CES**

**137 BHING
OAKLEY**

CA

RICHMOND, CA DIVISION

RICHMOND DIVISION RC3265

RICHMOND

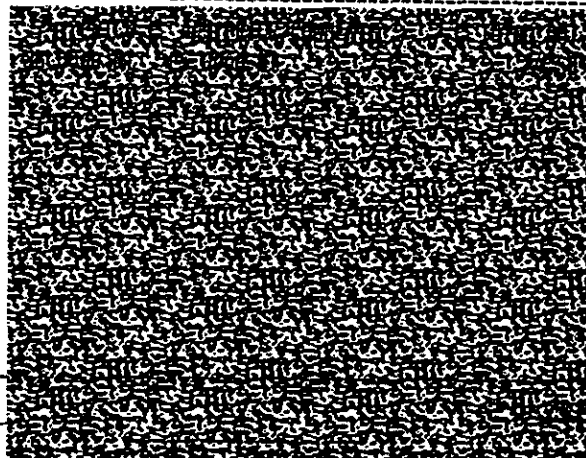
CA 94804-3504

510-412-5300

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity,
was weighed, measured, or counted by a weighmaster, whose
signature is on the certificate, who is a recognized authority of
accuracy, as prescribed by Chapter 7 (commencing with Section
12700) of Division 5 of California Business and Professions Code,
administered by the Division of Measurement Standards of the
California Department of Food and Agriculture.

Veh # **6C21345** ID # **CONTROLLED** A=SCALE1 B=SCALE2 C=SCALE3 D=SCALE4 M=MANUAL WGT

COMMODITY	GROSS	TARE	NET	RED C/W	RD EXT
#1 HNS	6820 A	4860 B	1960	.0	.00



ALL WEIGHTS ARE REPORTED IN POUNDS UNLESS OTHERWISE INDICATED

TOTALS	6820	4860	1960		.00
--------	------	------	------	--	-----

WEIGHMASTER SIGNATURE (MARVIS MCBRIDE)

CUSTOMER SIGNATURE

GRS Date 02/25/02 NET TONS
GRS Time 10:45 : .9800
TRE Date 02/25/02 :
TRE Time 10:54 :

CUSTOMER COPY

CONTROL NUMBER 2057633

FOR SALVAGE VEHICLE SALES: I
hereby certify, under penalty of
perjury, that any vehicles sold have
been cleared for dismantling with the
Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will
indemnify and hold buyer harmless from damages,
demands and liabilities, including reasonable
attorney's fees, resulting from the breach of any
warranty hereunder and driver agrees to be
responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or
owner's representative) of the material described
hereon and have the right to sell same, that it contains
no hazardous material as defined by Federal or State
law and that for payment hereby received, I sell and
convey title to SIMSMETAL, AMERICA.

NOT REFUNDABLE MORE THAN 90 DAYS FROM DATE ABOVE.

In accordance with the Clean Air Act, customer must complete the CFC Statement on the back of
the yellow copy of the Weighmaster Certificate for any recyclables in this transaction which may
have contained CFC refrigerants.



PRINTED ON RECYCLED PAPER

**Republic Services
Waste Approval Form/
Non-Hazardous Waste Manifests
Disposal Facility Certificates**

**Interior Tank Area
Soil Transportation and Disposal**

Load 001



Republic Services
Vasco Road Landfill

WASTE APPROVAL FORM/NON-HAZARDOUS WASTE MANIFEST

WASTE STREAM INFORMATION

Date	4/24/02
Generator	John Nady
Generator Location	1137 65B OAKLAND
SWIC Number	04004
Bill To	CES
Approval Date	4/24/02
Expiration Date	4/24/03
Waste Description	Sol
Management	ADC - Area 2

The above is a recommendation of the Vasco Road Landfill. It must be understood that management of the waste for disposal must be in compliance with the facility's permit and applicable federal, state and local regulations. The approval is based upon a review of the information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical composition and physical properties to that as defined above.

A MINIMUM OF ONE SIGNED AND COMPLETED COPY OF THIS FORM MUST ACCOMPANY EACH LOAD. ONE COPY WILL BE RETAINED BY THE VASCO ROAD LANDFILL.

Generator Signature

Date

TRANSPORTER INFORMATION

Transporter to complete this section

Transporter Name	RWT - Denbest
Transporter Address	4961 Griffin Rd.
Transporter City, State, Zip	Hughson CA 95326
Transporter Phone Number	(209) 883-0206
Driver Name	Ray Winter S
Truck Number	
Vehicle License Number/State	9A60288

Ray Winter S
Driver Signature

4-26-02
Date

DESTINATION INFORMATION

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature of Vasco Road Landfill employee

Date

4001 North Vasco Road, Livermore - Phone: 925-447-0491 - Fax: 925-447-3086 or 925-447-0499

Load #2



Republic Services
Vasco Road Landfill

WASTE APPROVAL FORM/NON-HAZARDOUS WASTE MANIFEST

WASTE STREAM INFORMATION

Date	4/24/02
Generator	John Nady
Generator Location	1137 65B OAKLAND
SWIC Number	04004
Bill To	CES
Approval Date	4/24/02
Expiration Date	4/24/03
Waste Description	Sol
Management	ADC - Area 2

The above is a recommendation of the Vasco Road Landfill. It must be understood that management of the waste for disposal must be in compliance with the facility's permit and applicable federal, state and local regulations. The approval is based upon a review of the information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical composition and physical properties to that as defined above.

A MINIMUM OF ONE SIGNED AND COMPLETED COPY OF THIS FORM MUST ACCOMPANY EACH LOAD. ONE COPY WILL BE RETAINED BY THE VASCO ROAD LANDFILL

Emily Phue for John Nady 4/24/02
Generator Signature Date

TRANSPORTER INFORMATION

Transporter to complete this section

Transporter Name	RWT - DENRESTE
Transporter Address	4261 Griffin Rd
Transporter City, State, Zip	Hughson Ca 95326
Transporter Phone Number	209-883-0206
Driver Name	Roy Winters
Truck Number	2
Vehicle License Number/State	9A60208

Roy Winters 4-26-02
Driver Signature Date

DESTINATION INFORMATION

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature of Vasco Road Landfill employee Date

4001 North Vasco Road, Livermore - Phone: 925-447-0491 - Fax: 925-447-3086 or 925-447-0499

**Chemical Waste Management
Hazardous Waste Manifests
Disposal Facility Certificates**

**Exterior Tank Area
Soil Transportation and Disposal**

21680394
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C1002436511		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address John Nady 6701 Shellmound Street Emeryville, CA 94608				A. State/Manifest Document Number 21680394							
4. Generator's Phone 925 625-1736				B. State Generator's ID							
5. Transporter 1 Company Name Docks Dumping		6. US EPA ID Number CA1000216296		C. State Transporter's ID [Reserved]							
7. Transporter 2 Company Name				D. Transporter's Phone 510 655 8197							
				E. State Transporter's ID [Reserved]							
				F. Transporter's Phone							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, CA 93239		10. US EPA ID Number CAT000646117		G. State Facility's ID CAT000646117							
				H. Facility's Phone 559-386-9711							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number	
a. Non-RCRA Hazardous Waste, Solid				001 DT 0001 B				Y		State: CA EPA/Other: 6011	
b.										State: EPA/Other:	
c.										State: EPA/Other:	
d.										State: EPA/Other:	
16. Additional Descriptions for Materials Listed Above Profile #: a) EB1024 (soil also trace metals)				K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Wear Proper Clothing when Handling Material 24 Hr. Emergency Response #: 1-800-468-1760 ERG #: a) N/A										Site Address: 1137 65th St. Oakland, CA	
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 Emily Silverman for John Nady				Signature Emily Silverman for John Nady				Month Day Year 04/26/02			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name CHUCK ARMES				Signature Chuck Armes				Month Day Year 04/26/02			
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			

DO NOT WRITE BELOW THIS LINE.

21680392

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

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1000243K05111	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address John Nardy 6701 Shellwood street Emeryville, CA 94608			A. State Manifest Document Number 21680392		
4. Generator's Phone (907) 625-1736			B. State Generator's ID		
5. Transporter 1 Company Name Vega Trucking		6. US EPA ID Number CA R000089052		C. State Transporter's ID (Reserved)	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 209 537 7304	
8. Designated Facility Name and Site Address Chemical Waste Management Inc 35251 Old Skyline Road Kettleman City, CA 93239		10. US EPA ID Number CA100006461117		E. State Transporter's ID (Reserved)	
				F. Transporter's Phone	
				G. State Facility's ID CA100006461117	
				H. Facility's Phone 559-386-9711	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. Non-RCRA Hazardous Waste, Solid		No. Type			
		001 DT		000018	Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above Rack #: a) EBWAY (solid ch trace metals) 9858812 # 76			K. Handling Codes for Wastes Listed Above		
			a.		
			b.		
			c.		
			d.		
15. Special Handling Instructions and Additional Information Wear proper clothing when handling materials 24 Hr. Emergency #: 1-800-468-1760 ERL#: a) N/A Site Address: 1177 25th St Oakland, CA					
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 Emily Silverman for John Nardy		Signature [Signature]		Month Day Year 01 4 26 02	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name David Vega		Signature [Signature]		Month Day Year 01 4 26 02	
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	

DO NOT WRITE BELOW THIS LINE.

APPENDIX E
CITY OF OAKLAND
FIRE PREVENTION BUREAU DOCUMENTS

Subsurface Consultants, Inc.
Petition for Tank Closure In-place Letter



Subsurface Consultants, Inc.

February 19, 2002
SCI 855.003

Inspector Gomez
City of Oakland
Fire Department
1605 Martin Luther King, Jr. Way
Oakland, California 94612
via facsimile 238-7761

Petition for Tank Closure In-Place
1137, 1145 and 1167 65th Street
Oakland, California

Inspector Gomez:

The referenced site contains two individual tank areas; one interior and one exterior to the existing structures. As proposed in the Tank Closure Application prepared by CES, Inc., the interior tanks were to be triple-rinsed and then cut into manageable pieces for removal. During the triple rinsing activity, the interior surface of Tank 5 (see attached map) was observed to be coated with either a fiberglass or possibly an asbestos-containing resin. Tank 6 was not observed to be coated.

Both asbestos and fiberglass are regulated compounds due to the risk of exposure posed to human and environmental receptors that may come into contact with airborne fibers. Planned tank removal activities will cause damage to the interior coating of Tank 5, and will result in the release of hazardous fibers into the surrounding air space and into the exposed soil and groundwater. To minimize potential hazardous conditions caused during planned removal activities, we are petitioning that the City of Oakland Fire Department allow this tank to be closed in-place. The tank no longer represents a risk of ongoing releases of hazardous substances, as all product has been removed and the tank has been properly rinsed.

If closure in-place is approved, soil samples will be obtained from near the ends of the tank, at a depth of about 1 to 2 feet below the tank bottom. These samples will be analyzed for the chemicals of concern as listed in the Tank Closure Application. Flowable-fill would be placed into the vacated tank as backfill, prior to placing backfill around the tank to complete closure activities.

Subsurface Consultants, Inc.

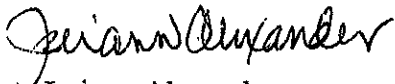
Inspector Gomez
City of Oakland
February 19, 2002
SCI 855.003
Page 2

CLOSING

If you are in agreement with the closure in-place of Tank 5, please issue an approval letter to my attention. If you have any questions regarding the foregoing, please contact the undersigned.

Yours very truly,

Subsurface Consultants, Inc.


Jeriann Alexander
Associate Engineer

JNA:jna:/Tank 5 Closure In-Place

Attachments: Site Plan

cc: Fred Schrag, Nady Systems, Inc., Special Counsel (via facsimile 510-652-5075)
Ed Sangster, Kirkpatrick & Lockhart LLP (via facsimile 415-249-1001)

65TH STREET

SIDEWALK

1145

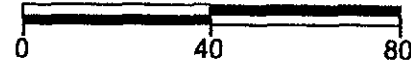
1167

5' DIA. 20' LONG TANKS

PEABODY LANE

8' DIA. VERTICAL TANKS

APPROXIMATE SCALE IN FEET



SITE PLAN

1137-1167 65TH STREET
OAKLAND, CALIFORNIA

DRAWN BY:

CFY

DATE

11/12/01

PLATE

2

JOB NUMBER

855.003

FILE NUMBER:

A855.003.01



Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

 *** TX REPORT ***

TRANSMISSION OK

TX/RX NO	4157	
CONNECTION TEL		92387761
CONNECTION ID		
ST. TIME	02/19 14:45	
USAGE T	01'17	
PGS. SENT	3	
RESULT	OK	



Subsurface Consultants, Inc.

February 19, 2002
 SCI 855.003

Inspector Gomez
 City of Oakland
 Fire Department
 1605 Martin Luther King, Jr. Way
 Oakland, California 94612
via facsimile 238-7761

Petition for Tank Closure In-Place
 1137, 1145 and 1167 65th Street
 Oakland, California

Inspector Gomez:

The referenced site contains two individual tank areas; one interior and one exterior to the existing structures. As proposed in the Tank Closure Application prepared by CES, Inc., the interior tanks were to be triple-rinsed and then cut into manageable pieces for removal. During the triple rinsing activity, the interior surface of Tank 5 (see attached map) was observed to be coated with either a fiberglass or possibly an asbestos-containing resin. Tank 6 was not observed to be coated.

Both asbestos and fiberglass are regulated compounds due to the risk of exposure posed to human and environmental receptors that may come into contact with airborne fibers. Planned tank removal activities will cause damage to the interior coating of Tank 5, and will result in the release of hazardous fibers into the surrounding air space and into the exposed soil and groundwater. To minimize potential hazardous conditions caused during planned removal activities, we are petitioning that the City of Oakland Fire Department allow this tank to be

**Oakland Fire Department
Field Inspection Reports
Certificate of Tank and Equipment Inspection**

OAKLAND FIRE DEPARTMENT, OES UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Site Address: <u>1137-1167 65th St Oak.</u>	Name of Facility: <u>Nearly Site</u>
Inspector: <u>H. Gomez</u>	Contact on site: <u>SCF/CES</u>
Date and Time of Arrival: <u>2/25/02 10:05 am.</u>	Contractor/Consultant: <u>Bob Kemp</u>

General Requirements	Yes	No	N/A
Approved closure plan on site.	✓		
Changes to approved plan noted.			✓
Residuals properly stored/transported.	✓		
Receipt for adequate dry ice noted.	✓		

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	3K	3K	3K	3K
Material last stored	<u>solvent</u>			
Dry ice used (pounds)	125			→
Combustible gas concentration as %LEL. (Note time & sampling point)				
(1)	0			
(2)				
(3)				
Oxygen concentration as % volume. (Note time & sampling point)				
(1)	12.5			
(2)				
(3)				
Tank Material	<u>steel</u> →			
Wrapping/Coating, if any	NO	NO	NO	NO
Obvious holes?	Y			→

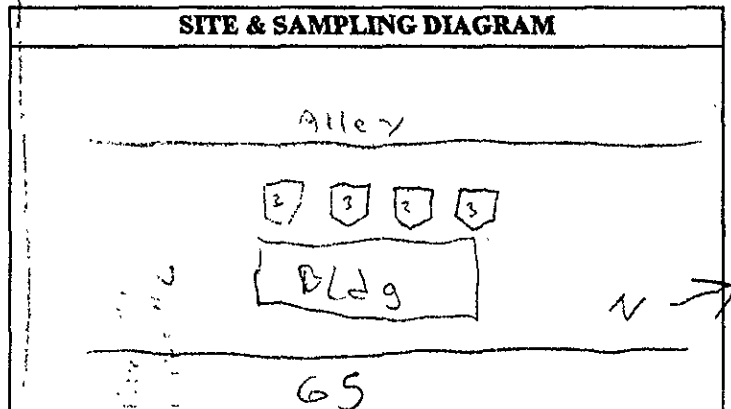
Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?			
Obvious holes on pipes?		✓	
Obvious odors from pipes?		✓	
Obvious soil discoloration in piping trench?			✓
Obvious odors from piping trench?			✓
Water in piping trench?			✓
Number & depth of soil samples from piping trench?			✓
Number & depth of water samples from piping trench?			✓

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?	✓		
Sampling "chain of custody" noted?	✓		
Tank pit filled in or covered?	✓		
Tank pit fenced or barricaded?	✓		
Transporter a registered HW hauler?	✓		
Uniform HW Manifest completed?	✓		
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?	✓		
Date/Time removal/closure operations completed?		2/25/02	
OT hours or additional charges due from contractor?			✓

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.	✓		
40B:C fire extinguisher on site.	✓		
"No Smoking" signs posted.	✓		
Gas detector challenged by inspector.	✓		

Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	Y			→
Obvious odors from tank?	N			→
Seams intact?	Y			→
Tank bed backfill material	N			→
Obvious discoloration?	Y			→
Obvious odors ex tank bed?	N			→
Water in excavation?	Y			→
Sheen/product on water?	Y			→
Tank tagged by transporter?	Y			→
Tank wrapped for transport?	Y			→
Tank plugged w/ vent cap?	Y			→
Date/time tank hauled off?		2/25/02		
No. of soil samples taken?	15.0	4 Samples		
Depth of soil samples (ft. bgs)	15.0			

General Observations	Yes	No	N/A
Leak from any tank suspected?	✓		
"Leak Report" form given to the operator?			
Obviously contaminated soil excavated?	✓		
Soil stockpile sampled?	✓		
Stockpile lined AND covered?	✓		
Water in excavation sampled?	✓		
Number/depth of water samples taken?		11.5 →	
All samples properly preserved for transport?	✓		



Notes/Comments: 1900 gal. were pumped out - Composite samples - 8 samples - finally/ll - E. Silverman

City of Oakland
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851



*Permit To Excavate And Install, Repair,
Or Remove Inflammable Liquid Tanks*

Oakland, California November 14, 2001

Tank Permit Number: 62-01

Permission Is Hereby Granted To:

Remove Diesel & Solvent Tank And Excavate Commencing: Feet Inside: Property: Line:

On The: S side of 65th Street

Site Address: 1137 - 1167 65th Street Present Storage: Petroleum, Solvent & Water

Owner: John Nady Address: 6701 Shellmound St., Emeryville, 94508 Phone: (510) 652-2411

Applicant: CES Controlled Environmental Services Address: PO Box 401, Oakley, 94561 Phone: (925) 625-1736

Dimensions Of Street (sidewalk) Surface To Be Disturbed : X No. Of Tanks 6 Capacity unknown Gallons, Each

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection:

Inspected And Passed On: _____

Approved: Sandra Kishma hfa
Fire Marshal

UST/AST Installations/modifications: By: _____

Pressure Test: Inspected By: _____ Date: _____

Primary Piping Test: Inspected By: _____ Date: _____

Inspection Fee Paid: \$ 1090.00

Received By: CL#1052, 1057, REG#830041, 820148 Mac

Secondary Containment & Sump Testing:

Inspected By: _____ Date: _____

Final: Inspected By: _____ Date: _____

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

City Of Oakland
FIRE PREVENTION BUREAU
 250 Frank Ogawa Plaza, Ste. 3341
 Oakland California 94612-2032
 510-238-3851



*Permit To Excavate And Install, Repair,
 Or Remove Inflammable Liquid Tanks*

Oakland, California

Tank Permit Number:

Permission Is Hereby Granted To:

Removal Diesel & Solvent

Tank And Excavate Commencing:

Feet Inside: 10 feet

Line:

On The: S side of 65th Street

Site Address: 1147 110 75th Street

Present Storage: Fuel Tank, 30 Gallons & 40 Gallons

Owner: John Mady

Address: 2101 Steadman St. Berkeley, CA 94708

Phone: (510) 862-1411

Applicant: CES Controlled Environmental Services

Address: 10110 1st Oakland, CA 94643

Phone: (510) 438-1177

Dimensions Of Street (sidewalk) Surface To Be Disturbed :

X

No. Of Tanks

Capacity

unknown

Gallons, Each

Remarks:

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: UST Rem 4 UST in place

Inspected And Passed On: 2/25/01

By: H. Gomez

Approved: [Signature]
 Fire Marshal

UST/AST Installations/modifications:

Pressure Test: Inspected By: _____ Date: _____

Primary Piping Test: Inspected By: _____ Date: _____

Inspection Fee Paid: \$ 1050.00

Secondary Containment & Sump Testing:

Inspected By: _____ Date: _____

Final: Inspected By: _____ Date: _____

Received By: [Signature]

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

**Unauthorized Storage Tank
Release Report**

(Interior Tank Area)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 01/15/2002		CASE #		SIGNED: _____ DATE: _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Jerann Alexander		PHONE (510) 268-0401	SIGNATURE <i>Jerann Alexander</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Subsurface Consultants, Inc.		
ADDRESS 1000 Broadway, Suite 200 STREET CITY STATE ZIP Oakland CA 94607					
RESPONSIBLE PARTY	NAME Esselte Corporation, former DuPont <input type="checkbox"/> UNKNOWN		CONTACT PERSON John Nady, Current Owner		PHONE (510) 652-2411
	ADDRESS 6701 Shellmound STREET CITY STATE ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE ()
	ADDRESS 1137-1167 65th Street STREET CITY COUNTY ZIP Oakland Alameda 94608				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Oakland Fire Department		CONTACT PERSON Hernan Gomez		PHONE (510) 238-7253
	REGIONAL BOARD PHONE ()				
SUBSTANCES INVOLVED	(1) NAME QUANTITY LOST (GALLONS) Volatic Organic Compounds <input checked="" type="checkbox"/> UNKNOWN				
	(2) NAME QUANTITY LOST (GALLONS) Petroleum Hydrocarbons <input checked="" type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED 01/22/2002		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN ____/____/____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE (Tank 5) <input type="checkbox"/> REPAIR TANK <input checked="" type="checkbox"/> CLOSE TANK & FILL IN PLACE (Tank 6) <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER (Tank 5)		
SOURCE/CAUSE	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE Product Removed 01/22/2002		SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		
	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER				
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input checked="" type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)				
COMMENTS	One UST (Tank 5) closed in place, one UST (Tank 6) removed. Each UST was a horizontal UST approximately 2,500 gallons				

(Exterior Tank Area)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
REPORT DATE 01/05/10 7/0/2	CASE #	SIGNED _____ DATE _____

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Jerriann Alexander	PHONE (510) 268-0401	SIGNATURE <i>Jerriann Alexander</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD	COMPANY OR AGENCY NAME Subsurface Consultants, Inc.
	ADDRESS		

RESPONSIBLE PARTY	NAME Esseite Corporation, ^{Former} Owner <input type="checkbox"/> UNKNOWN	CONTACT PERSON John Nady, Current owner	PHONE (510) 652-2411
	ADDRESS 6701 Shellmound Street Emeryville CA 94608	CITY Emeryville	STATE CA

SITE LOCATION	FACILITY NAME (IF APPLICABLE)	OPERATOR	PHONE ()
	ADDRESS 1137-1167 65th Street San Pablo Avenue	CITY Oakland	COUNTY Alameda
	CROSS STREET	CITY	ZIP 94608

IMPLEMENTING AGENCIES	LOCAL AGENCY Oakland Fire Department	AGENCY NAME	CONTACT PERSON Hernan Gomez	PHONE (510) 238-7253
	REGIONAL BOARD			PHONE ()

SUBSTANCES INVOLVED	(1) NAME Volatile Organic Compounds	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) NAME Petroleum Hydrocarbons	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 01/22/10 10/2	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> OTHER	<input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN _____	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/22/10 10/2	<input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input checked="" type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> CLEANUP UNDERWAY
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT) <input checked="" type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VENT SOIL (VS)
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COMMENTS
Four coneshaped USTs removed in the exterior portion of the site. Each UST was approximately 3,800 gallons.