

United States Army

Fort Monmouth, New Jersey

Underground Storage Tank Closure and Site Investigation Report

***Building 2044
Charles Wood***

**NJDEP UST Registration Nos. 192486-24, 32, 33
NJDEP Closure Approval Nos. C-93-3186, C-93-3885,
C-93-3886**

May 2000

Volume 1 of 3

**UNDERGROUND STORAGE TANK
CLOSURE AND SITE INVESTIGATION REPORT**

BUILDING 2044

**CHARLES WOOD
NJDEP UST REGISTRATION NOS. 192486-24, 32, 33
NJDEP CLOSURE APPROVAL NOS. C-93-3186, C-93-3885, C-93-3886**

MAY 2000

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PREPARED FOR:

**UNITED STATES ARMY, FORT MONMOUTH, NEW JERSEY
DIRECTORATE OF PUBLIC WORKS
BUILDING 167
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EXECUTIVE SUMMARY

In December of 1993, three underground storage tanks (USTs) were closed by removal in accordance with the New Jersey Department of Environmental Protection (NJDEP) Closure Approval Nos. C-93-3186, C-93-3885, and C-93-3886 at U.S. Army Fort Monmouth, Fort Monmouth, New Jersey. The USTs, located adjacent to Building 2044 in the Charles Wood area of U.S. Army, Fort Monmouth, were registered with NJDEP and assigned Registration Nos. 192486-24, 32, and 33. UST No. 192486-24 was a steel 1,000-gallon No. 2 fuel oil tank, UST No. 192486-32 was a fiberglass coated steel 550-gallon diesel oil tank, and UST No. 192486-33 was a fiberglass coated steel 550-gallon gasoline tank. The fill port for each UST was located directly above each tank. The tank closures were performed by Cleaning Up The Environment Inc. (CUTE).

The site assessments for UST No 192486-24 and 192486-32 were performed by U.S. Army personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. Several corrosion holes were observed in UST No. 192486-24 and evidence of potentially contaminated soils was observed surrounding the tank. No holes or punctures were identified in UST Nos. 192486-32 and 33. On June 28, 1993 a spill was reported to the NJDEP "Hotline" and Case Number 93-6-28-1009 was assigned to the site.

The post-excavation soil samples collected on March 18, 1994 from the former UST excavations at Building 2044 contained TPHC concentrations below the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 milligrams per kilogram (mg/kg) (N.J.A.C. 7:26D and revisions dated February 3, 1994).

In response to the observation of potentially contaminated soil near the shallow water table, three shallow overburden monitoring wells (MW-1, MW-2, and MW-3) were installed at the Building 2044 area on June 30 and July 1, 1994. On November 10, 1994 and November 30, 1994, all three monitoring wells were sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOCs), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), and lead. On January 9, 1997, all three monitoring wells were sampled for benzene, ethylbenzene, toluene, and xylenes (BTEX), and arsenic. Sampling and analysis were performed in accordance with the NJDEP *Field Sampling Procedures Manual* and the *Technical Requirements For Site Remediation*. The groundwater sample collected from MW-1 on November 10, 1994, and November 30, 1994, contained benzene at 4.0 ug/l, and 12.0 ug/l, respectively, which exceeded the NJDEP groundwater quality criteria (GWQC) of 1.0 ug/l. Methylene chloride compound was detected in MW-1 at a concentration of 5.0 ug/l, which exceeded the NJDEP-GWQC of 2.0 ug/l on November 10, 1994 but was also found in the sample field blank and sample trip blank. All other VO compounds and lead were either non-detectable or below the GWQC. The groundwater sample collected from MW-1 on January 9, 1997 contained arsenic at a concentration of 12.0 ug/l, which exceeded 8.0 ug/l, the higher of PQL and

GWQC concentration. All BTEX compounds were non-detectable above their method detection limit (MDL).

The groundwater sample collected from MW-2 and MW-3 on November 10, 1994, November 30, 1994, and January 9, 1997 contained either non-detectable concentrations of VOCs, arsenic and lead or concentrations below the GWQC.

Based on the post-excavation soil sampling results, soils with TPHC concentrations exceeding the NJDEP residential soil cleanup criteria for total organic contaminants of 10,000 mg/kg, do not exist in the former location of the USTs. Additional analyses for VOCs indicate no compounds were detected above their respective NJDEP cleanup criteria. No further action for soil will be proposed.

Based on the groundwater analytical results, the collection of one additional set of groundwater samples from MW-1, MW-2, and MW-3 is recommended. Groundwater samples will be analyzed for arsenic and VOCs. These analysis will determine if the low levels of arsenic and VOCs detected previously are declining. If additional analyses indicate no compounds detected above their respective NJDEP groundwater cleanup criteria, no further action will be proposed.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

Three underground storage tank (UST), New Jersey Department of Environmental Protection (NJDEP) Registration No. 192486-24, 32, 33, were closed at Building 2044 at U.S. Army Fort Monmouth, Fort Monmouth, New Jersey on December 16, 1993, December 17, 1993, and December 20, 1993. Refer to site location map on Figure 1. This report presents the results of the Directorate of Public Works (DPW) implementation of the UST Decommissioning/Closure Plans submitted to the NJDEP on July 12, 1993, and August 5, 1993. The plans were approved on August 26, 1993, assigned TMS No. C-93-3186, and September 7, 1993, assigned TMS No. C-93-3885 and C-93-3886. The UST Registration No. 192486-24 was a steel, 1,000-gallon tank containing no. 2 fuel oil. The UST Registration No. 192486-32 was a steel with fiberglass coating, 550-gallon tank containing diesel. The UST Registration No. 192486-33 was a steel with fiberglass coating, 550-gallon containing gasoline.

Decommissioning activities for UST No. 192486-24, 32, 33 complied with all applicable Federal, State and Local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to: N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 & 1910.120. All permits including but not limited to the NJDEP-approved Decommissioning/Closure Plan for each tank were posted on-site for inspection. CUTE, the contractor that conducted the decommissioning activities, is registered and certified by the NJDEP for performing UST closure activities. Closure of UST No. 192486-24, 32, 33 proceeded under the approval of the NJDEP Bureau of Underground Storage Tanks (NJDEP-BUST). The NJDEP-BUST closure approval and signed certifications for UST No. 192486-24, 32, 33 are included in Appendices A and B, respectively.

Based on an inspection of the UST and field screening of subsurface soils, the DPW concluded that historical discharges were associated with the USTs. Previously, on June 28, 1993, a spill was reported to the NJDEP "Hot line" and NJDEP case number 93-06-28-1009 was assigned to this site. This UST Closure and Site Investigation Report has been prepared by Smith Technology Corporation, to assist the United States Army Directorate of Public Works in complying with the NJDEP Bureau of Underground Storage Tanks (NJDEP-BUST) regulations. The applicable NJDEP-BUST regulations at the date of closure were the *Interim Closure Requirements for Underground Storage Tank Systems* (N.J.A.C. 7:14B-1 et seq. September 1990 and revisions dated November 1, 1991).

This report was prepared using information required at the time of closure. Section 1 of this UST Closure and Site Investigation Report provides a summary of the UST decommissioning activities. Section 2 of this report describes the site investigation activities. Conclusions and

recommendations, including the results of the soil sampling investigation, are presented in the final section of this report.

1.2 SITE DESCRIPTION

Building 2044 is located in the eastern portion of the Charles Wood area of Fort Monmouth, as shown on Figure 1. UST No. 192486-24, was located approximately 10 feet northwest of Building 2044 and appurtenant piping ran approximately 27 feet from the excavation to Building 2044. The fill port area was located directly above the tank. UST No. 192486-32 and UST No 192486-33 were located approximately 100 feet northeast and approximately 30 feet of Building 2044. The fill port area was located above each tank. A site map is provided on Figure 2.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the area surrounding Building 2044. Included is a description of the regional geology of the area surrounding Fort Monmouth as well as descriptions of the local geology and hydrogeology of the Charles Wood area.

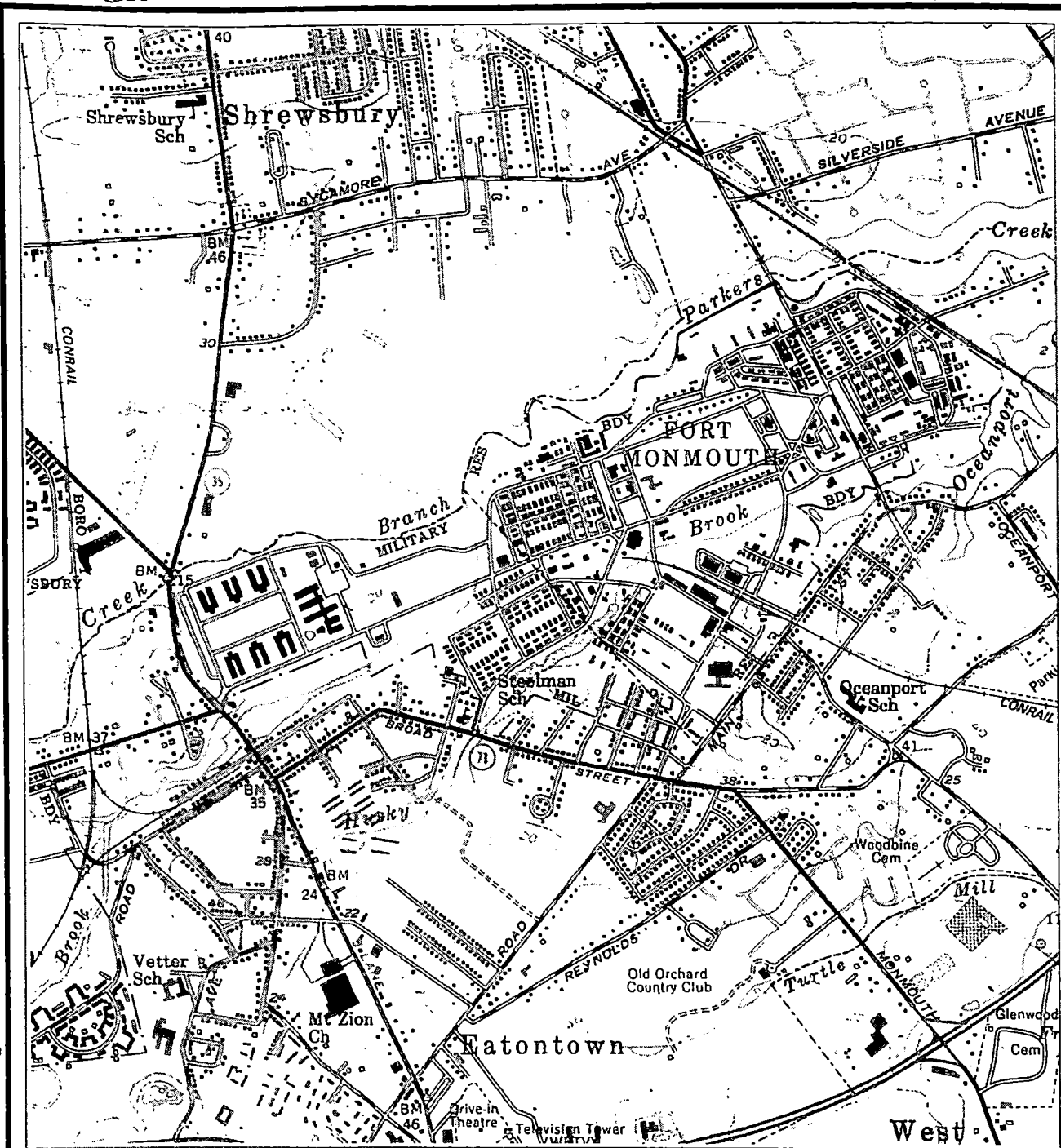
Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The Main Post, Charles Wood, and the Evans areas are located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands.

In general, New Jersey Coastal Plain formations consist of a seaward-dipping wedge of unconsolidated deposits of clay, silt, and gravel. These formations typically strike northeast-southwest with a dip ranging from 10 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapeczka, 1989). These sediments, predominantly derived from deltaic, shallow marine, and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units which are generally thicker to the southeast and reflect a deeper water environment. Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations, and the Cohansey Sand) while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown, and Navesink Formations). The individual thickness for these units vary greatly (i.e., from several feet to several hundred feet). The Coastal Plain deposits thicken to the southeast from the Fall Line to greater than 6,500 feet in Cape May County (Brown and Zapeczka, 1990).

Source: Long Branch, New Jersey Quadrangle



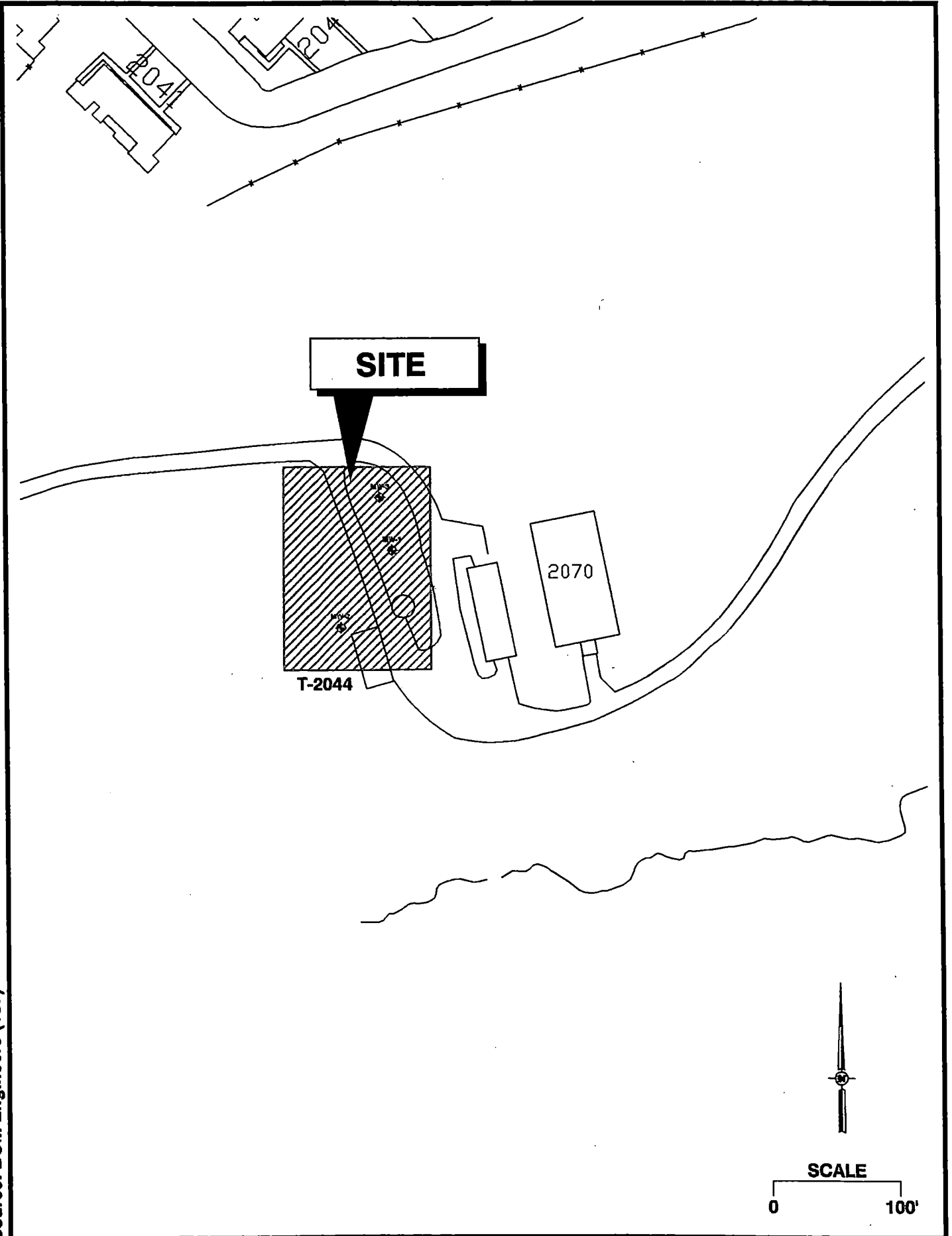
SCALE
0 2000 FT.

NEW JERSEY



QUADRANGLE LOCATION

Source: BCM Engineers (187)



Local Geology

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Charles Wood area. The Red Bank sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member (Shrewsbury) of the Red Bank sand is a yellowish-gray to reddish brown clayey, medium-to-coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite.

The Tinton sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse grained feldspathic quartz and glauconite sand to a glauconitic coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit (Minard, 1969). The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard).

Hydrogeology

The water table aquifer at the Charles Wood area is identified as part of the "composite confining units," or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation.

Based on records of wells drilled in the Charles Woods area, water is typically encountered at depths of 1 to 9 feet below ground surface (bgs). The depth to ground water measured at three monitoring wells installed at Building 2044 ranged between 0.99 feet (MW-2 on January 9, 1997) and 3.44 feet (MW-3 on November 10, 1994).

According to Jablonski, wells drilled in the Red Bank and Tinton Sands may produce 2 to 25 gallons per minute (gpm). Some well owners have reported acidic water that requires treatment to remove iron.

Due to the proximity of the Atlantic Ocean to Fort Monmouth, shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in. However, an abundance of clay lenses and sand deposits were noted in borings installed throughout Fort Monmouth. Therefore the direction of shallow groundwater should be determined on a case by case basis.

1.3 HEALTH AND SAFETY

Before, during, and after all decommissioning activities, hazards at the work site which may have posed a threat to the Health and Safety of all personnel who were involve with, or were affected

by, the decommissioning of the UST system were minimized. All areas which posed, or may have been suspected to pose a vapor hazard were monitored by a qualified individual utilizing an organic vapor analyzer (OVA). The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA.

1.4 REMOVAL OF UNDERGROUND STORAGE TANKS

1.4.1 General Procedures

- All underground obstructions (utilities, etc.) were marked out by the contractor performing the closure prior to excavation activities.
- All activities were carried out with the greatest regard to safety and health and the safeguarding of the environment.
- All excavated soils were visually examined and screened with an OVA for evidence of contamination. Potentially contaminated soils were identified and logged during closure activities.
- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.
- A Sub-Surface Evaluator from the DPW was present during site assessment activities.

1.4.2 Underground Storage Tank Excavation and Cleaning

Prior to UST decommissioning activities, surficial soil was removed to expose each UST and associated piping. All free product present in the piping was drained into the UST, and each UST was purged to remove vapors prior to cutting and removal of the piping. After removal of the associated piping, a manway was made in each of three UST to allow for proper cleaning. All three UST were completely emptied of all liquids prior to removal from the ground. Approximately 233 gallons of liquid were transported by Clean Venture Inc., US EPA ID Number NJD982281016, to Cycle Chemical Inc., a NJDEP-approved petroleum recycling and disposal company located in Elizabeth, New Jersey. Refer to Appendix C for the waste manifest.

The USTs were cleaned prior to removal from each excavation in accordance with the NJDEP-BUST regulations. After the USTs were removed from the excavations, they were staged on polyethylene sheeting and examined for holes. Several corrosion holes were observed in UST No. 192486-24 and evidence of potentially contaminated soils was observed surrounding the tank. No holes or punctures were identified in UST Nos. 192486-32 and 33.

On December 17, 1993, and December 20, 1993, following the removal of UST No.192486-32, and UST No. 192486-33, no potentially contaminated soils were identified in the excavations. Groundwater was present in the excavations at approximately 1.5 feet below ground surface.

1.5 UNDERGROUND STORAGE TANK TRANSPORTATION AND DISPOSAL

All three tanks were transported by CUTE to Mazza and Sons Inc. for disposal in compliance with all applicable regulations and laws. See Appendix D for UST Disposal Certificates.

The removal contractor labeled each UST prior to transport with the following information:

- site of origin
- contact person
- NJDEP UST Facility ID number
- name of transporter/contact person
- destination site/contact person

1.6 MANAGEMENT OF EXCAVATED SOILS

On December 16, 1993, following removal of UST No. 192486-24, approximately 8 cubic yards of potentially contaminated soil, were removed from the excavation. On December 17, 1993, and December 20, 1993, following the removal of UST No.192486-32, and UST No. 192486-33, no potentially contaminated soils were identified in the excavations.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Site Investigation was managed and carried out by U.S. Army DPW personnel. Soil and ground water sample analyses were performed and reported by U.S. Army, Fort Monmouth Environmental Laboratory, and by Nytest Environmental Inc., NJDEP-certified laboratories. Soil and ground water sampling were performed under the direct supervision of a NJDEP Certified Sub-Surface Evaluator according to the methods described in the NJDEP *Field Sampling Procedures Manual* (1992). Sampling frequency and parameters analyzed complied with the NJDEP-BUST document *Interim Closure Requirements for Underground Storage Tank Systems* (September 1990 and revisions dated November 1, 1991) which was the applicable regulation at the date of the closure. All records of the Site Investigation activities are maintained by the Fort Monmouth DPW Environmental Office.

The following Parties participated in Closure and Site Investigation Activities.

- Closure Contractor: Cleaning Up The Environment Inc. (CUTE)
Closure Supervisor: George Bernotsky
Phone Number: (201)427-2881
NJDEP Company Certification No.: 0200128
NJDEP Certification No. : 3248
- Subsurface Evaluator: Charles M. Appleby
Employer: U.S. Army, Fort Monmouth
Phone Number: (908) 532-6224
NJDEP Certification No.: 2056
- Analytical Laboratory: U.S. Army Fort Monmouth Environmental Laboratory
Contact Person: Brian K. McKee
Phone Number: (908)532-4359
NJDEP Certification No.: 13461
- Analytical Laboratory: Nytest Environmental Inc.
Contact Person: Remo Gigante
Phone Number: (516)625-5500
NJDEP Certification No.: 73469
- Hazardous Waste Hauler: Casie Ecology Oil Salvage Inc.
Contact Person: Greg Call
Phone Number: (908)696-4401
NJDEP Hazardous Waste Hauler No.: S6747

2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP Certified Sub-Surface Evaluator using an OVA and visual observations to identify potentially contaminated material. Soils were removed from the excavation surrounding the former location of UST No. 192468-54 until no evidence of contamination remained.

2.3 SOIL SAMPLING

On March 18, 1994, post-excavation soil samples (samples 3N, 4W, 5S, 6E, 7W, 8S, 9E, 10N, 11S, 12E and 13N) were collected from the former excavation surrounding UST Nos. 192486-24, 32, and 33. Figure 3 shows soil sampling locations.

Soil samples were taken at a depth of 2.5 feet below surface grade, using a coring/slide hammer device. Soil samples 3N, 4W, 5S, and 6E were collected adjacent to the former excavation area of the UST No. 192486-24. Soil samples 7W, 8S, 9E, 10N, were taken adjacent to the former excavation of the UST No. 192486-33. Soil samples 11S, 12E and 13N were collected from the former excavation surrounding the UST 192486-32. Soil sample was not collected from the west side of the former excavation surrounding the UST 192486-32 due to road. Soil sample DUPL was the duplicate sample of the soil sample 6E.

The site assessment was performed by U.S. Army personnel in accordance with the *Technical Requirements* and the *Sampling Procedures Manual*. A summary of sampling activities including parameters analyzed is provided on Table 1. The samples were collected using decontaminated stainless steel scoops. Following soil sampling activities, samples being analyzed for TPHC were chilled and delivered to U.S. Army Fort Monmouth Environmental Laboratory located in Fort Monmouth, New Jersey. Samples being analyzed for VOCs, and lead were chilled and delivered to Twenty First Century Environmental Laboratory located in Bridgeport, New Jersey.

2.4 GROUNDWATER SAMPLING

2.4.1 Monitoring Well Installation

In response to the observation of holes in the former UST No. 192486-24 excavation, three (3) shallow overburden monitoring wells (MW-1, MW-2, and MW-3) were installed at the Building 2044 area on June 30, 1994 and on July 1, 1994. Monitoring well MW-1 was installed approximately 10 feet northwest of the Building 2004. Monitoring well MW-2 was installed approximately 25 feet northeast of the Building and monitoring well MW-3 was installed approximately 100 feet northwest of Building 2004. The three wells were screened in the 2- to

TABLE 1
SUMMARY OF SAMPLING ACTIVITIES
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Date of Collection	Matrix	Sample Type	Analytical Parameters (and USEPA Methods) *	Sampling Method
3N	03/18/1994	Soil	Post-Excavation	TPHC, VOCs	Coring/Slide Hammer
4W	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
5S	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
6E	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
7W	03/18/1994	Soil	Post-Excavation	TPHC, VOCs, Lead	Coring/Slide Hammer
8S	03/18/1994	Soil	Post-Excavation	TPHC, VOCs, Lead	Coring/Slide Hammer
9E	03/18/1994	Soil	Post-Excavation	TPHC, VOCs, Lead	Coring/Slide Hammer
10N	03/18/1994	Soil	Post-Excavation	TPHC, VOCs, Lead	Coring/Slide Hammer
11S	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
12E	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
13N	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
DUPL6E	03/18/1994	Soil	Post-Excavation	TPHC	Coring/Slide Hammer
Trip Blank	03/18/1994	Aqueous	DI Water	VOCs, Lead	Laboratory
Field Blank	03/18/1994	Aqueous	DI Water	VOCs, Lead	Coring/Slide Hammer
MW-1	11/10/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-1	11/30/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-1	01/01/1997	Aqueous	Groundwater	BTEX, Arsenic	Teflon Bottom Fill Bailer
MW-2	11/10/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-2	11/30/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-2	01/01/1997	Aqueous	Groundwater	BTEX, Arsenic	Teflon Bottom Fill Bailer
MW-3	11/10/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-3	11/30/1994	Aqueous	Groundwater	VOCs, Lead, TCL Pest	Teflon Bottom Fill Bailer
MW-3	01/01/1997	Aqueous	Groundwater	BTEX, Arsenic	Teflon Bottom Fill Bailer
Field Dup.	01/01/1997	Aqueous	Groundwater	BTEX, Arsenic	Teflon Bottom Fill Bailer
Field Blank	01/01/1997	Aqueous	DI Water	BTEX, Arsenic	Teflon Bottom Fill Bailer
Trip Blank	01/01/1997	Aqueous	DI Water	BTEX, Arsenic	Laboratory

*Note:

TPHC: Total Petroleum Hydrocarbons (Method 418.1 / soil and aqueous)
VOCs: Volatile Organic Compounds calibrated for xylene plus 10 tentativley identified compounds (Method 624 - soil / 524.2 - aqueous)
BTEX Benzene, Toluene, Ethylbenzene, and Xylenes
Lead Lead (Method SW-846 / soil)

Source: BCM Engineers (BCM Project No. 09-5004-12)
2044tbl.xls

15- foot depth interval, across the water table which is approximately 3 feet bgs. A monitoring well location map is provided on Figure 4.

The wells were constructed in accordance with the NJDEP's well construction protocols outlined in its May 1992 *Field Sampling Procedures Manual*. The NJDEP well permits and well construction logs are presented in Appendix D.

The wells were constructed with 4-inch (ID) PVC risers and 0.020 slotted PVC well screens. Silica sand packs were installed in the annulus between each borehole wall and its screen. The sand packs were extended approximately one foot above the top of the screens. The sand packs above the well screens were graded down to a fine sand to minimize grout intrusion.

The wells were secured with water-tight, steel protective casings with stickups that are approximately 3 feet above ground surface. The steel protective casings were set in place with concrete, which was placed in the remaining open borehole. The elevation of the well risers were surveyed to the nearest 0.01 feet by a New Jersey-licensed surveyor. The well permit numbers were marked on each well casing as required.

The monitoring wells were developed using a submersible pump. The wells were pumped until the groundwater was visibly free of sediments. All residual soils and liquids generated during monitoring well installation and development program were collected in the New Jersey Department of Transportation-approved 55-gallon drums. The drums were placed in a designated secure location for waste characterization and off-site disposal.

2.4.2 Monitoring Well Sampling

On November 10, 1994 and November 30, 1994, all three monitoring wells were sampled for volatile organic compounds calibrated for xylene plus 15 tentatively identified compounds (VOCs), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), and lead. On January 9, 1997, all three monitoring wells were sampled for benzene, ethylbenzene, toluene, and xylenes (BTEX), and arsenic. Sampling and analysis were performed in accordance with the NJDEP *Field Sampling Procedures Manual* and the *Technical Requirements For Site Remediation*.

Prior to sampling, the water levels were measured to the nearest 0.01 feet, and the distance to the bottom of the wells were measured to the nearest 0.1 feet. The wells were checked for floating product (light non-aqueous phase liquids). The wells were then purged of three to five well volumes of standing water. Sample volume was then collected using a dedicated decontaminated Teflon bottom-fill bailer (see QAPP) attached to PTFE (Teflon)-coated stainless steel cable.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

To evaluate soil conditions following removal of the USTs and their associated piping, twelve post-excavation soil samples were collected on March 18, 1994. The soil samples collected from the former UST No 192486-24 containing #2 fuel oil were analyzed for TPHC, with one soil sample analyzed for VOC. The soil samples collected from the former UST No 192486-33 containing gasoline were analyzed for TPHC, VOC, and lead. The soil samples collected from the former UST No 192486-32 containing diesel were analyzed for TPHC. The post-excavation soil sample results were compared to the NJDEP soil cleanup criteria (N.J.A.C. 7:26D and revisions dated February 3, 1994). A summary of the soil analytical results and comparison to the NJDEP residential direct contact and impact to groundwater soil cleanup criteria is provided on Table 2 and Table 3, and the soil sampling results are shown on Figure 3. The soil analytical data package is provided in Appendix E. The full data package, including associated quality control data, is on file at U.S. Army Fort Monmouth, DPW.

All post-excavation soil samples collected from the former UST excavations at Building 2044 contained TPHC concentrations below the NJDEP residential direct contact total organic contaminants soil cleanup criteria of 10,000 milligrams per kilogram (mg/kg) (N.J.A.C. 7:26D and revisions dated February 3, 1994). The highest concentration of TPHC of 1,140 mg/Kg was detected in soil samples 3N collected approximately one foot north of the former UST No. 192486-24 excavation. In addition, this soil sample and four soil samples (7W, 8S, 9E and 10N) collected from the former UST No. 192486-33, were analyzed for VO+15. All five post-excavation soil samples contained volatile organic concentrations below the NJDEP residential direct contact soil cleanup criteria for each compound, except acetone. However, acetone was also detected in the field and trip blank. Soil samples 7W, 8S, 9E, and 10N, collected from the former UST No. 192486-33, contained levels of lead ranging in concentration from 16.4 mg/kg to 40.4 mg/kg, below 100 mg/Kg the NJDEP residential direct contact soil cleanup criteria for lead.

3.1 GROUNDWATER SAMPLING RESULTS

A summary of the groundwater analytical results and comparison to the NJDEP-GWQC is provided on Table 4, and the groundwater sampling results are shown on Figure 4.

The groundwater sample collected from MW-1 on November 10, 1994, contained methylene chloride at 5.0 ug/l, and benzene at 4.0 ug/l, which exceeded the NJDEP groundwater quality criteria (GWQC) of 2.0 ug/l, and 1 ug/l, respectively. Methylene chloride compound was also found in the sample field blank and sample trip blank. All other VO compounds were either non-detectable or below the GWQC. Lead was detected at a concentration of 9.3 ug/l, below concentration of 10 ug/l the higher of practical quantitation levels (PQL) and GWQC. The groundwater sample collected from MW-1 on November 30, 1994 contained benzene at 12.0 ug/l, which exceeded the NJDEP criteria of 1.0 ug/l. All other VOC compounds were either

TABLE 2
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Laboratory ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit(mg/Kg)	Compound of Concern	Result (mg/kg)	NJDEP Soil Cleanup Criteria(mg/Kg)	Exceeds Cleanup Criteria
3N/2.5	1425.3	03/18/1994	03/21/1994	Total % Solid	--	--	72 %	--	--
				TPHC	23	yes	1140	10,000	--
4W/2.5	1425.4	03/18/1994	03/21/1994	Total % Solid	--	--	77 %	--	--
				TPHC	23	yes	584	10,000	--
5S/2.5	1425.5	03/18/1994	03/21/1994	Total % Solid	--	--	77 %	--	--
				TPHC	3.3	yes	106	10,000	--
6E/2.5	1425.6	03/18/1994	03/21/1994	Total % Solid	--	--	87 %	--	--
				TPHC	3.3	yes	67.7	10,000	--
7W/2.5	1425.7	03/18/1994	03/21/1994	Total % Solid	--	--	88%	--	--
				TPHC	3.3	yes	76	10,000	--
8S/2.5	1425.8	03/18/1994	03/21/1994	Total % Solid	--	--	84 %	--	--
				TPHC	3.3	yes	38.4	10,000	--
9E/2.5	1425.9	03/18/1994	03/21/1994	Total % Solid	--	--	85 %	--	--
				TPHC	3.3	yes	27	10,000	--
10N/2.5	1425.10	03/18/1994	03/21/1994	Total % Solid	--	--	81 %	--	--
				TPHC	3.3	yes	41.5	10,000	--
11S/2.5	1425.11	03/18/1994	03/21/1994	Total % Solid	--	--	82 %	--	--
				TPHC	3.3	yes	17.8	10,000	--
12E/2.5	1425.12	03/18/1994	03/21/1994	Total % Solid	--	--	82	--	--
				TPHC	3.3	yes	44	10,000	--
13N/2.5	1425.13	03/18/1994	03/21/1994	Total % Solid	--	--	81 %	--	--
				TPHC	3.3	yes	4.72	10,000	--
DUPL6/2.5	1425.14	03/18/1994	03/21/1994	Total % Solid	--	--	81 %	--	--
				TPHC	3.3	yes	172.3	10,000	--

NOTES:

--: Not applicable / does not exceed criteria
 *: Cleanup criteria for total organics
 ND: Indicates compound not detected

Source: BCM Engineers (BCM Project No. 09-5004-12)

2044tbl.xls

10N/2.5 BGS	
TPH	41.5
Lead	19.8
Volatile Organic Compounds	
MTBE	0.018

7W/2.5 BGS	
TPH	76
Lead	40.4
Volatile Organic Compounds	
MTBE	0.039

8S/2.5 BGS	
TPH	38.4
Lead	16.4
Volatile Organic Compounds	
MTBE	0.06
TBH	0.0275

3N/2.5 BGS	
TPH	1,140
Volatile Organic Compounds	
MTBE	0.015 J

4W/2.5 BGS	
TPH	584

6E/2.5 BGS	
TPH	67.7

5S/2.5 BGS	
TPH	106

13N/2.5 BGS	
TPH	4.72

12E/2.5 BGS	
TPH	44

11S/2.5 BGS	
TPH	17.8

9E/2.5 BGS	
TPH	27
Volatile Organic Compounds	
Toluene	0.0014
MTBE	0.023
Lead	17.8

BUILDING
T-2044

LEGEND

- SOIL SAMPLE LOCATION (NOVEMBER 10, 1993)



- LIMIT OF EXCAVATION (NOVEMBER 10, 1993)

NOTES:

1. ALL RESULTS IN MILLIGRAMS PER KILOGRAM (DRY WEIGHT)
2. SEE TABLE 2 FOR NJDEP SOIL CLEANUP CRITERIA
3. BGS = BELOW GROUND SURFACE



SCALE

0 30'

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
3N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.079	--	ND	--	--
			Acrylonitrile	0.079	--	ND	--	--
			Chloromethane	0.016	--	ND	520/10	--
			Bromomethane	0.016	--	ND	79/1	--
			Vinyl Chloride	0.016	--	ND	2/10	--
			Chloroethane	0.016	--	ND	--	--
			Acetone	0.016	--	ND	1,000/100	--
			1,1-Dichloroethene	0.008	--	ND	8/10	--
			Carbon Disulfide	0.016	--	ND	--	--
			Methylene Chloride	0.008	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.008	--	ND	1,000/50	--
			1,1-Dichloroethane	0.008	--	ND	570/10	--
			Vinyl Acetate	0.008	--	ND	--	--
			2-Butanone	0.016	--	ND	1,000/50	--
			Chloroform	0.008	--	ND	19/1	--
			1,1,1-Trichloroethane	0.008	--	ND	210/50	--
			Carbon Tetrachloride	0.008	--	ND	2/1	--
			1,2-Dichloroethane	0.008	--	ND	6/1	--
			Benzene	0.008	--	ND	3/1	--
			Trichloroethene	0.008	--	ND	23/1	--
			1,2-Dichloropropane	0.008	--	ND	10/--	--
			Bromodichloromethane	0.008	--	ND	11/1	--
			2-Chloroethylvinylether	0.016	--	ND	--	--
			2-Hexanone	0.016	--	ND	--	--
			trans-1,3-Dichloropropene	0.008	--	ND	4/1	--
			Toluene	0.008	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.008	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.008	--	ND	34/1	--
			1,1,2-Trichloroethane	0.008	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.016	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
3N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.008	--	ND	4/1	--
			Dibromochloromethane	0.008	--	ND	110/1	--
			Chlorobenzene	0.008	--	ND	37/1	--
			Ethylbenzene	0.008	--	ND	1,000/100	--
			m&p-Xylenes	0.008	--	ND	410/10	--
			O-Xylenes	0.008	--	ND	410/10	--
			Styrene	0.008	--	ND	23/100	--
			Bromoform	0.008	--	ND	86/1	--
			m-Dichlorobenzene	0.008	--	ND	--	--
			p-Dichlorobenzene	0.008	--	ND	--	--
			o-Dichlorobenzene	0.008	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.016	--	0.015 J	--	--
			Tertiary Butyl Alcohol	0.079	--	ND	--	--
			VOLATILE TICS:					
			UNKNOWN	0.007	--	0.01	--	--
			Bicyclo[3.1.0]hex-2-ene,2-methyl-5	0.018	--	0.017	--	--
			TOTAL TICS:	--	--	0.027	--	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
7/W/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.057	--	ND	--	--
			Acrylonitrile	0.057	--	ND	--	--
			Chloromethane	0.011	--	ND	520/10	--
			Bromomethane	0.011	--	ND	79/1	--
			Vinyl Chloride	0.011	--	ND	2/10	--
			Chloroethane	0.011	--	ND	--	--
			Acetone	0.011	--	ND	1,000/100	--
			1,1-Dichloroethene	0.006	--	ND	8/10	--
			Carbon Disulfide	0.011	--	ND	--	--
			Methylene Chloride	0.006	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.006	--	ND	1,000/50	--
			1,1-Dichloroethane	0.006	--	ND	570/10	--
			Vinyl Acetate	0.006	--	ND	--	--
			2-Butanone	0.011	--	ND	1,000/50	--
			Chloroform	0.006	--	ND	19/1	--
			1,1,1-Trichloroethane	0.006	--	ND	210/50	--
			Carbon Tetrachloride	0.006	--	ND	2/1	--
			1,2-Dichloroethane	0.006	--	ND	6/1	--
			Benzene	0.006	--	ND	3/1	--
			Trichloroethene	0.006	--	ND	23/1	--
			1,2-Dichloropropane	0.006	--	ND	10/--	--
			Bromodichloromethane	0.006	--	ND	11/1	--
			2-Chloroethylvinylether	0.011	--	ND	--	--
			2-Hexanone	0.011	--	ND	--	--
			trans-1,3-Dichloropropene	0.006	--	ND	4/1	--
			Toluene	0.006	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.006	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.006	--	ND	34/1	--
			1,1,2-Trichloroethane	0.006	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.001	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
7/W/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.006	--	ND	4/1	--
			Dibromochloromethane	0.006	--	ND	110/1	--
			Chlorobenzene	0.006	--	ND	37/1	--
			Ethylbenzene	0.006	--	ND	1,000/100	--
			m&p-Xylenes	0.006	--	ND	410/10	--
			O-Xylenes	0.006	--	ND	410/10	--
			Styrene	0.006	--	ND	23/100	--
			Bromofcrrm	0.006	--	ND	86/1	--
			m-Dichlorobenzene	0.006	--	ND	--	--
			p-Dichlorobenzene	0.006	--	ND	--	--
			o-Dichlorobenzene	0.006	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.011	--	0.039	--	--
			Tertiary Butyl Alcohol	0.057	--	ND	--	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--
			LEAD	10	--	40.4	400	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
8S/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.059	--	ND	--	--
			Acrylonitrile	0.059	--	ND	--	--
			Chloromethane	0.012	--	ND	520/10	--
			Bromomethane	0.012	--	ND	79/1	--
			Vinyl Chloride	0.012	--	ND	2/10	--
			Chloroethane	0.012	--	ND	--	--
			Acetone	0.012	--	ND	1,000/100	--
			1,1-Dichloroethene	0.006	--	ND	8/10	--
			Carbon Disulfide	0.012	--	ND	--	--
			Methylene Chloride	0.006	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.006	--	ND	1,000/50	--
			1,1-Dichloroethane	0.006	--	ND	570/10	--
			Vinyl Acetate	0.006	--	ND	--	--
			2-Butanone	0.012	--	ND	1,000/50	--
			Chloroform	0.006	--	ND	19/1	--
			1,1,1-Trichloroethane	0.006	--	ND	210/50	--
			Carbon Tetrachloride	0.006	--	ND	2/1	--
			1,2-Dichloroethane	0.006	--	ND	6/1	--
			Benzene	0.006	--	ND	3/1	--
			Trichloroethene	0.006	--	ND	23/1	--
			1,2-Dichloropropane	0.006	--	ND	10/--	--
			Bromodichloromethane	0.006	--	ND	11/1	--
			2-Chloroethylvinylether	0.012	--	ND	--	--
			2-Hexanone	0.012	--	ND	--	--
			trans-1,3-Dichloropropene	0.006	--	ND	4/1	--
			Toluene	0.006	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.006	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.006	--	ND	34/1	--
			1,1,2-Trichloroethane	0.006	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.012	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
3N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.006	--	ND	4/1	--
			Dibromochloromethane	0.006	--	ND	110/1	--
			Chlorobenzene	0.006	--	ND	37/1	--
			Ethylbenzene	0.006	--	ND	1,000/100	--
			m&p-Xylenes	0.006	--	ND	410/10	--
			O-Xylenes	0.006	--	ND	410/10	--
			Styrene	0.006	--	ND	23/100	--
			Bromoform	0.006	--	ND	86/1	--
			m-Dichlorobenzene	0.006	--	ND	--	--
			p-Dichlorobenzene	0.006	--	ND	--	--
			o-Dichlorobenzene	0.006	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.012	--	0.04	--	
			Tertiary Butyl Alcohol	0.059	--	0.027 J	--	
			VOLATILE TICS:					
			Ethane,1,1,2-thricloro-1,2,2-trifl	0.00687	--	0.029	--	
			Copaene	0.0205	--	0.007	--	
			TOTAL TICS:	--	--	0.035	--	
			LEAD	10	--	16.4	400	

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
9E/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.067	--	ND	--	--
			Acrylonitrile	0.067	--	ND	--	--
			Chloromethane	0.013	--	ND	520/10	--
			Bromomethane	0.013	--	ND	79/1	--
			Vinyl Chloride	0.013	--	ND	2/10	--
			Chloroethane	0.013	--	ND	--	--
			Acetone	0.013	--	ND	1,000/100	--
			1,1-Dichloroethene	0.007	--	ND	8/10	--
			Carbon Disulfide	0.013	--	ND	--	--
			Methylene Chloride	0.007	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.007	--	ND	1,000/50	--
			1,1-Dichloroethane	0.007	--	ND	570/10	--
			Vinyl Acetate	0.007	--	ND	--	--
			2-Butanone	0.013	--	ND	1,000/50	--
			Chloroform	0.007	--	ND	19/1	--
			1,1,1-Trichloroethane	0.007	--	ND	210/50	--
			Carbon Tetrachloride	0.007	--	ND	2/1	--
			1,2-Dichloroethane	0.007	--	ND	6/1	--
			Benzene	0.007	--	ND	3/1	--
			Trichloroethene	0.007	--	ND	23/1	--
			1,2-Dichloropropane	0.007	--	ND	10/--	--
			Bromodichloromethane	0.007	--	ND	11/1	--
			2-Chloroethylvinylether	0.013	--	ND	--	--
			2-Hexanone	0.013	--	ND	--	--
			trans-1,3-Dichloropropene	0.007	--	ND	4/1	--
			Toluene	0.007	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.007	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.007	--	ND	34/1	--
			1,1,2-Trichloroethane	0.007	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.013	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
3N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.007	--	ND	4/1	--
			Dibromochloromethane	0.007	--	ND	110/1	--
			Chlorobenzene	0.007	--	ND	37/1	--
			Ethylbenzene	0.007	--	ND	1,000/100	--
			m&p-Xylenes	0.007	--	ND	410/10	--
			O-Xylenes	0.007	--	ND	410/10	--
			Styrene	0.007	--	ND	23/100	--
			Bromoform	0.007	--	ND	86/1	--
			m-Dichlorobenzene	0.007	--	ND	--	--
			p-Dichlorobenzene	0.007	--	ND	--	--
			o-Dichlorobenzene	0.007	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.013	--	0.023	--	
			Tertiary Butyl Alcohol	0.067	--	ND	--	
			VOLATILE TICS:					
			Bicyclo[3.1.0]hex-2-ene,2-methyl-5	0.018	--	0.02	--	
			TOTAL TICS:	--	--	0.02	--	

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
10N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.067	--	ND	--	--
			Acrylonitrile	0.067	--	ND	--	--
			Chloromethane	0.013	--	ND	520/10	--
			Bromomethane	0.013	--	ND	79/1	--
			Vinyl Chloride	0.013	--	ND	2/10	--
			Chloroethane	0.013	--	ND	--	--
			Acetone	0.013	--	2 D	1,000/100	--
			1,1-Dichloroethene	0.007	--	ND	8/10	--
			Carbon Disulfide	0.013	--	ND	--	--
			Methylene Chloride	0.007	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.007	--	ND	1,000/50	--
			1,1-Dichloroethane	0.007	--	ND	570/10	--
			Vinyl Acetate	0.007	--	ND	--	--
			2-Butanone	0.013	--	ND	1,000/50	--
			Chloroform	0.007	--	ND	19/1	--
			1,1,1-Trichloroethane	0.007	--	ND	210/50	--
			Carbon Tetrachloride	0.007	--	ND	2/1	--
			1,2-Dichloroethane	0.007	--	ND	6/1	--
			Benzene	0.007	--	ND	3/1	--
			Trichloroethene	0.007	--	ND	23/1	--
			1,2-Dichloropropane	0.007	--	ND	10/--	--
			Bromodichloromethane	0.007	--	ND	11/1	--
			2-Chloroethylvinylether	0.013	--	ND	--	--
			2-Hexanone	0.013	--	ND	--	--
			trans-1,3-Dichloropropene	0.007	--	ND	4/1	--
			Toluene	0.007	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.007	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.007	--	ND	34/1	--
			1,1,2-Trichloroethane	0.007	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.013	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
10N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.007	--	ND	4/1	--
			Dibromochloromethane	0.007	--	ND	110/1	--
			Chlorobenzene	0.007	--	ND	37/1	--
			Ethylbenzene	0.007	--	ND	1,000/100	--
			m&p-Xylenes	0.007	--	ND	410/10	--
			O-Xylenes	0.007	--	ND	410/10	--
			Styrene	0.007	--	ND	23/100	--
			Bromoform	0.007	--	ND	86/1	--
			m-Dichlorobenzene	0.007	--	ND	--	--
			p-Dichlorobenzene	0.007	--	ND	--	--
			o-Dichlorobenzene	0.007	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.013	--	0.018	--	--
			Tertiary Butyl Alcohol	0.067	--	ND	--	--
			VOLATILE TICS:					
			Ethane,1,1,2-trichloro-1,2,2-trifl	0.00687	--	0.008	--	--
			Bicyclo[3.1.0]hex-2-ene,2-methyl-5	0.018	--	0.02	--	--
			1H-Cyclopental[1,3]cyclopropa[1,2]	0.0233	--	0.035	--	--
			Acetonitrile,(3,5,5-trimethyl-2-cy	0.02513	--	0.069	--	--
			TOTAL TICS:	--	--	0.132	--	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
TRIP BLANK	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.05	--	ND	--	--
			Acrylonitrile	0.05	--	ND	--	--
			Chloromethane	0.01	--	ND	520/10	--
			Bromomethane	0.01	--	ND	79/1	--
			Vinyl Chloride	0.01	--	ND	2/10	--
			Chloroethane	0.01	--	ND	--	--
			Acetone	0.01	--	0.023	1,000/100	--
			1,1-Dichloroethene	0.005	--	ND	8/10	--
			Carbon Disulfide	0.01	--	ND	--	--
			Methylene Chloride	0.005	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.005	--	ND	1,000/50	--
			1,1-Dichloroethane	0.005	--	ND	570/10	--
			Vinyl Acetate	0.005	--	ND	--	--
			2-Butanone	0.01	--	ND	1,000/50	--
			Chloroform	0.005	--	ND	19/1	--
			1,1,1-Trichloroethane	0.005	--	ND	210/50	--
			Carbon Tetrachloride	0.005	--	ND	2/1	--
			1,2-Dichloroethane	0.005	--	ND	6/1	--
			Benzene	0.005	--	ND	3/1	--
			Trichloroethene	0.005	--	ND	23/1	--
			1,2-Dichloropropane	0.005	--	ND	10/--	--
			Bromodichloromethane	0.005	--	ND	11/1	--
			2-Chloroethylvinylether	0.01	--	ND	--	--
			2-Hexanone	0.01	--	ND	--	--
			trans-1,3-Dichloropropene	0.005	--	ND	4/1	--
			Toluene	0.005	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.005	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.005	--	ND	34/1	--
			1,1,2-Trichloroethane	0.005	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.01	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
TRIP BLANK	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.005	--	ND	4/1	--
			Dibromochloromethane	0.005	--	ND	110/1	--
			Chlorobenzene	0.005	--	ND	37/1	--
			Ethylbenzene	0.005	--	ND	1,000/100	--
			m&p-Xylenes	0.005	--	ND	410/10	--
			O-Xylenes	0.005	--	ND	410/10	--
			Styrene	0.005	--	ND	23/100	--
			Bromoform	0.005	--	ND	86/1	--
			m-Dichlorobenzene	0.005	--	ND	--	--
			p-Dichlorobenzene	0.005	--	ND	--	--
			o-Dichlorobenzene	0.005	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.01	--	ND	--	
			Tertiary Butyl Alcohol	0.05	--	ND	--	
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
FIELD BLANK	03/18/1994	03/21/1994	VOLATILE ORGANICS:					
			Acrolein	0.05	--	ND	--	--
			Acrylonitrile	0.05	--	ND	--	--
			Chloromethane	0.01	--	ND	520/10	--
			Bromomethane	0.01	--	ND	79/1	--
			Vinyl Chloride	0.01	--	ND	2/10	--
			Chloroethane	0.01	--	ND	--	--
			Acetone	0.01	--	0.45	1,000/100	--
			1,1-Dichloroethene	0.005	--	ND	8/10	--
			Carbon Disulfide	0.01	--	ND	--	--
			Methylene Chloride	0.005	--	ND	49/1	--
			1,2-Dichloroethene(trans)	0.005	--	ND	1,000/50	--
			1,1-Dichloroethane	0.005	--	ND	570/10	--
			Vinyl Acetate	0.005	--	ND	--	--
			2-Butanone	0.01	--	ND	1,000/50	--
			Chloroform	0.005	--	ND	19/1	--
			1,1,1-Trichloroethane	0.005	--	ND	210/50	--
			Carbon Tetrachloride	0.005	--	ND	2/1	--
			1,2-Dichloroethane	0.005	--	ND	6/1	--
			Benzene	0.005	--	ND	3/1	--
			Trichloroethene	0.005	--	ND	23/1	--
			1,2-Dichloropropane	0.005	--	ND	10/--	--
			Bromodichloromethane	0.005	--	ND	11/1	--
			2-Chloroethylvinylether	0.01	--	ND	--	--
			2-Hexanone	0.01	--	ND	--	--
			trans-1,3-Dichloropropene	0.005	--	ND	4/1	--
			Toluene	0.005	--	ND	1,000/500	--
			cis-1,3-Dichloropropene	0.005	--	ND	4/1	--
			1,1,2,2-Tetrachloroethane	0.005	--	ND	34/1	--
			1,1,2-Trichloroethane	0.005	--	ND	22/1	--
			4-Methyl-2-Pentanone	0.01	--	ND	1,000/50	--

TABLE 3
POST-EXCAVATION SOIL SAMPLING RESULTS
BUILDING 282, MAIN POST
FORT MONMOUTH, NEW JERSEY

Sample ID/Depth	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (mg/kg)	Compound of Concern	Result (mg/kg)	Soil Cleanup Criteria* (mg/kg)	Exceeds Criteria
3N/2.5	03/18/1994	03/21/1994	VOLATILE ORGANICS CONTINUED:					
			Tetrachloroethene	0.005	--	ND	4/1	--
			Dibromochloromethane	0.005	--	ND	110/1	--
			Chlorobenzene	0.005	--	ND	37/1	--
			Ethylbenzene	0.005	--	ND	1,000/100	--
			m&p-Xylenes	0.005	--	ND	410/10	--
			O-Xylenes	0.005	--	ND	410/10	--
			Styrene	0.005	--	ND	23/100	--
			Bromoform	0.005	--	ND	86/1	--
			m-Dichlorobenzene	0.005	--	ND	--	--
			p-Dichlorobenzene	0.005	--	ND	--	--
			o-Dichlorobenzene	0.005	--	ND	--	--
			Methyl Tertiary Butyl Ether	0.01	--	ND	--	--
			Tertiary Butyl Alcohol	0.05	--	ND	--	--
			VOLATILE TICS:					
			NONE FOUND	10	--	19.8	400	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-1	11/10/1994	12/05/1994	LEAD	3	--	9.3	10	--
		11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	5	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	4	1	yes
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-1	11/10/1994	11/16/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	9	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknown	--	--	6J	--	--
			Unknown	--	--	4J	--	--
			Unknown	--	--	4J	--	--
			Unknown	--	--	5J	--	--
			Unknown	--	--	4J	--	--
			Unknown	--	--	4J	--	--
			Unknown	--	--	8J	--	--
			Unknown	--	--	4J	--	--
			TOTAL TICS:	--	--	39J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-2	11/10/1994	12/05/1994	LEAD	3	--	4.3	10	--
		11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	4	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-2	11/10/1994	11/16/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknown Siloxane	--	--	12J	--	--
			Unknown Siloxane	--	--	28J	--	--
			Unknown Siloxane	--	--	9J	--	--
			TOTAL TICS:	--	--	49J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-3	11/10/1994	12/05/1994	LEAD	3	--	ND	10	--
MW-3	11/10/1994	11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	4	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-3	11/10/1994	11/16/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	0	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknown Siloxane	--	--	5J	--	--
			Unknown Siloxane	--	--	19J	--	--
			TOTAL TICS:	--	--	24J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
FIELD BLANK	11/10/1994	12/05/1994	LEAD	3	--	ND	10	--
		11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	6	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
FIELD BLANK	11/10/1994	11/16/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknow Siloxane	--	--	21J	--	--
			TOTAL TICS:	--	--	21J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/L)	Compound of Concern	Result (ug/L)	GWQS (ug/L)	Exceeds Criteria
DUP	11/10/1994	12/05/1994	LEAD	3	--	ND	10	--
		11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	4	--	2	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
DUP	11/10/1994	11/16/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
TRIP BLANK	11/10/1994	11/16/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	5	--	3	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
TRIP BLANK	11/09/1994	12/03/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknow Siloxane	--	--	22J	--	--
			Unknow Siloxane	--	--	130J	--	--
			Unknow Siloxane	--	--	53J	--	--
			TOTAL TICS	--	--	205J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-1	11/30/1994	12/07/1994	LEAD	3	--	5.2	10	--
		12/02/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	ND	2	--
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	12	1	yes
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	14	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-1	11/30/1994	12/02/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	3	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	2	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknown Hydrocarbon	--	--	4J	--	--
			Unknown Hydrocarbon	--	--	4J	--	--
			TOTAL TICS:	--	--	8J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-2	11/30/1994	12/07/1994	LEAD	3	--	ND	10	--
		12/02/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	4	--	ND	2	--
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-2	11/30/1994	12/02/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-3	11/30/1994	12/07/1994	LEAD	3	--	ND	10	--
MW-3	11/30/1994	12/02/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	7	2	yes
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	2	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-3	11/30/1994	12/02/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
FIELD BLANK	11/30/1994	12/07/1994	LEAD	3	--	ND	10	--
		12/01/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	ND	2	--
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
FIELD BLANK	11/30/1994	12/02/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			Unknow Hydrocarbon	--	--	4J	--	--
			TOTAL TICS:	--	--	4J	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/L)	Compound of Concern	Result (ug/L)	GWQS (ug/L)	Exceeds Criteria
DUP	11/30/1994	12/02/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	ND	2	--
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
DUP	11/30/1994	12/02/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
TRIP BLANK	11/30/1994	12/01/1994	VOLATILE ORGANICS:					
			Chloromethane	2	--	ND	30	--
			Bromomethane	1	--	ND	10	--
			Vinyl Chloride	1	--	ND	5	--
			Chloroethane	1	--	ND	--	--
			Methylene Chloride	3	--	ND	2	--
			1,1-Dichloroethene	2	--	ND	2	--
			1,1-Dichloroethane	1	--	ND	70	--
			Chloroform	1	--	ND	6	--
			1,2-Dichloroethane	1	--	ND	2	--
			1,1,1-Trichloroethane	1	--	ND	30	--
			Carbon Tetrachloride	2	--	ND	2	--
			Bromodichloromethane	1	--	ND	1	--
			1,2-Dichloropropane	1	--	ND	1	--
			cis-1,3-Dichloropropene	1	--	ND	NA	--
			Trichloroethene	2	--	ND	1	--
			Dibromochloromethane	1	--	ND	10	--
			1,1,2-Trichloroethane	1	--	ND	3	--
			Benzene	1	--	ND	1	--
			trans-1,3-Dichloropropene	1	--	ND	NA	--
			Bromoform	1	--	ND	4	--
			Tetrachloroethene	3	--	ND	1	--
			1,1,2,2-Tetrachloroethane	2	--	ND	2	--
			Toluene	2	--	ND	1,000	--
			Chlorobenzene	2	--	ND	4	--
			Ethylbenzene	2	--	ND	700	--
			Xylene (total)	6	--	ND	40	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
TRIP BLANK	11/30/1994	12/01/1994	VOLATILE ORGANICS CONTINUED:					
			Trichlorofluoromethane	2	--	ND	--	--
			Acrolein	20	--	ND	10	--
			Acrylonitrile	2	--	ND	50	--
			Tertiary Butyl Alcohol	100	--	ND	500	--
			Methyl Tertiary Butyl Ether	1	--	ND	70	--
			1,3-Dichlorobenzene	2	--	ND	600	--
			1,4-Dichlorobenzene	2	--	ND	75	--
			1,2-Dichlorobenzene	2	--	ND	600	--
			2-Chloroethylvinylether	4	--	ND	--	--
			trans,1,2-Dichloroethene	1	--	ND	100	--
			VOLATILE TICS:					
			NONE FOUND	--	--	--	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
MW-1	01/09/1997	01/13/1997	ARSENIC	1	--	12	8	yes
		01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--
MW-2	01/09/1997	01/13/1997	ARSENIC	1	--	1.9	8	--
		01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--
MW-3	01/09/1997	01/13/1997	ARSENIC	1	--	1.3	8	--
		01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--

TABLE 4
GROUNDWATER SAMPLING RESULTS
BUILDING 2044, CHARLES WOOD
FORT MONMOUTH, NEW JERSEY

Sample ID	Sample Date	Analysis Date	Compound Name	Sample Quantitation Limit (ug/l)	Compound of Concern	Result (ug/l)	GWQS (ug/l)	Exceeds Criteria
Field Dup.	01/09/1997	01/13/1997	ARSENIC	1	--	13.8	8	yes
		01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--
Field Blank	01/09/1997	01/13/1997	ARSENIC	1	--	ND	8	--
		01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--
Trip Blank	01/09/1997	01/23/1997	BTEX					
			Benzene	0.02	--	ND	1	--
			Toluene	0.04	--	ND	1000	--
			Ethylbenzene	0.04	--	ND	700	--
			p+m-Xylene	0.05	--	ND	40	--
			o-Xylene	0.04	--	ND	40	--
			Total BTEX	--	--	ND	--	--

Sampling Location:	Higher of	MW-3	MW-3	MW-3
Sampling Date:	NJDEP GWQS	11/10/94	11/30/94	01/09/97
Sampling ID:	and PQL	MW-1	MW-1	MW-1
Volatile Organic Compounds:				
Methylene Chloride	2	4	7	NA
Total TICs	-	24 J	ND	NA
Lead	10	ND	ND	NA
Arsenic	8	NA	NA	1.3

Sampling Location:	Higher of	MW-1	MW-1	MW-1
Sampling Date:	NJDEP GWQS	11/10/94	11/30/94	01/09/97
Sampling ID:	and PQL	MW-1	MW-1	MW-1
Volatile Organic Compounds:				
Methylene Chloride	2	5	ND	NA
Benzene	1	4	12	ND
Toluene	1,000	ND	14	ND
MTBE	70	ND	3	NA
Total TICs	-	39 J	8 J	NA
Lead	10	9.3	3	NA
Arsenic	8	NA	NA	12

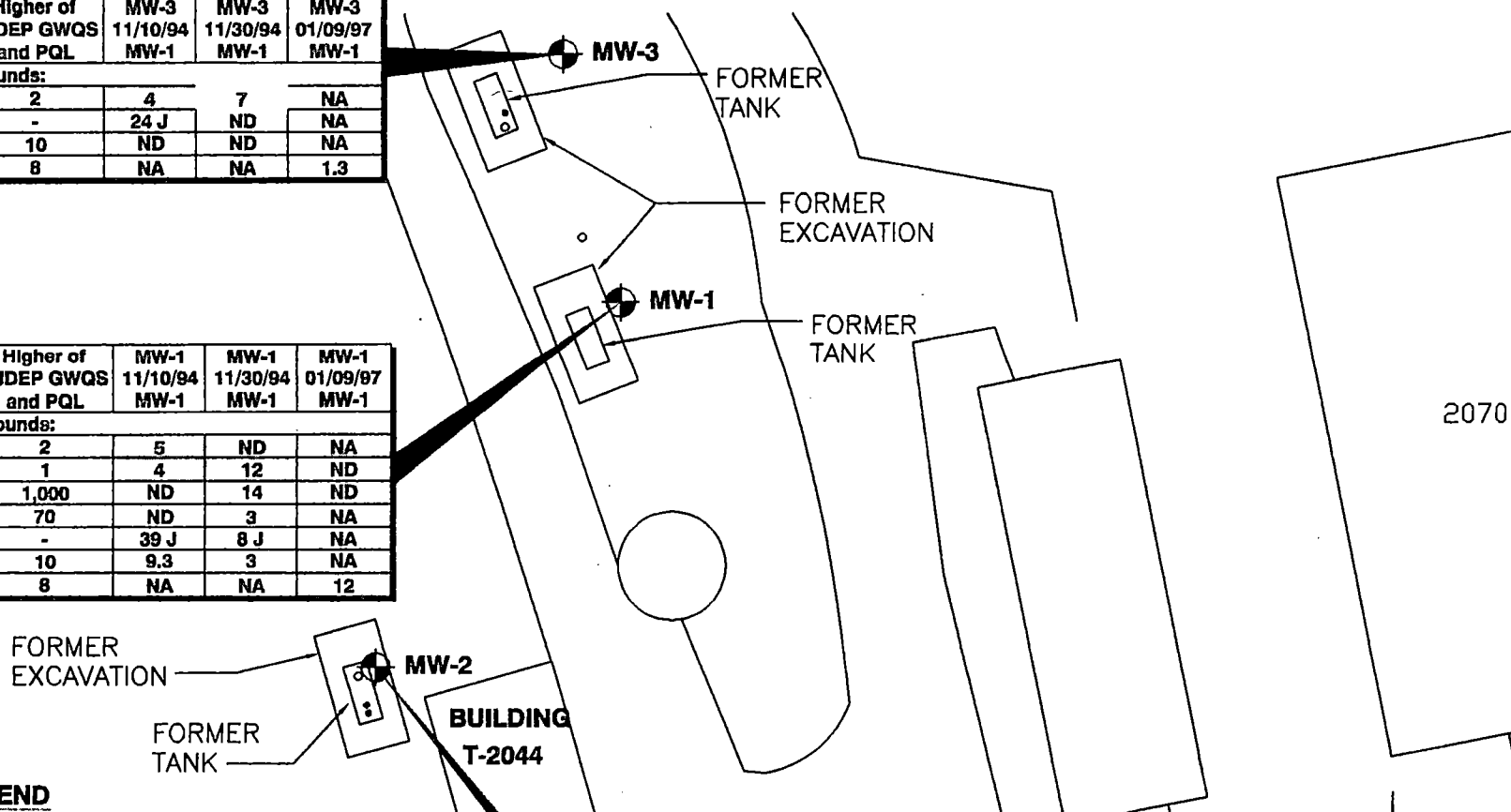
Sampling Location:	Higher of	MW-2	MW-2	MW-2
Sampling Date:	NJDEP GWQS	11/10/94	11/30/94	01/09/97
Sampling ID:	and PQL	MW-1	MW-1	MW-1
Volatile Organic Compounds:				
Methylene Chloride	2	4	ND	NA
Total TICs	-	49 J	ND	NA
Lead	10	4.3	ND	NA
Arsenic	8	NA	1.9	1.3

LEGEND

MW-1		MONITORING WELL LOCATION
ND		INDICATES COMPOUND NOT DETECTED
-		INDICATES CRITERIA NOT AVAILABLE
		INDICATES RESULT ABOVE THE GWQC
B		INDICATES ALSO PRESENT IN BLANK
NA		INDICATES COMPOUND NOT ANALYZED

NOTE:

1. ALL RESULTS IN MICROGRAMS PER LITER



concentration of 10 ug/l the higher of PQL and GWQC. The groundwater sample collected from MW-1 on January 9, 1997 contained arsenic at a concentration of 12.0 ug/l, which exceeded 8.0 ug/l, the higher of PQL and GWQC concentration. All BTEX compounds were non-detectable above their method detection limit (MDL).

The groundwater sample collected from MW-2 on November 10, 1994, contained methylene chloride at a concentration of 4.0 ug/l which exceeded the NJDEP - GWQC of 2.0 ug/l. Methylene chloride compound was also found in the sample field blank and sample trip blank. All other VOC compounds were either non-detectable or below the GWQC. Lead was detected at a concentration of 4.3 ug/l, below concentration of 10 ug/l the higher of PQL and GWQC. The groundwater sample collected from MW-2 on November 30, 1994 contained either non-detectable concentrations of VOCs and lead or concentrations below the GWQC. The groundwater sample collected from MW-2 on January 9, 1997 contained arsenic at a concentration of 1.9 ug/l, below the higher of PQL and GWQC concentration of 8.0 ug/l. All BTEX compounds were non-detectable above their MDL.

The groundwater sample collected from MW-3 on November 10, 1994, contained methylene chloride at a concentration of 24.0 ug/l, which exceeded the GWQC of 2.0 ug/l. This compound was also found in the sample field blank. All other VOC and lead compounds were either non-detectable or below the GWQC. The groundwater sample collected from MW-3 on November 30, 1994 contained methylene chloride at 7.0 ug/l, which exceeded the criteria of 2.0 ug/l. All other VOC compounds and lead were either non-detectable or below the GWQC. The groundwater sample collected from MW-3 on January 9, 1997 contained arsenic at a concentration of 1.3 ug/l, below the higher of PQL and GWQC concentration of 8.0 ug/l. All BTEX compounds were non-detectable above their MDL.

No product or sheen was observed in MW-1, MW-2, and MW-3 on any of the sampling dates.

3.3 CONCLUSIONS AND RECOMMENDATIONS

Based on the post-excavation soil sampling results, soils with TPHC concentrations exceeding the NJDEP soil cleanup criteria for total organic contaminants of 10,000 mg/kg, do not exist in the former location of the USTs. Additional analyses for VOCs indicate no compounds were detected above their respective NJDEP soil cleanup criteria. No further action for soil will be proposed.

Based on the groundwater analytical results, the collection of one additional set of groundwater samples from MW-1, MW-2, and MW-3 is recommended. Groundwater samples will be analyzed for arsenic and VOCs. These analysis will determine if the low levels of arsenic and VOCs detected previously are declining. If additional analyses indicate no compounds above their respective NJDEP groundwater quality criteria, no further action will be proposed.

APPENDIX A

NJDEP BUST CLOSURE APPROVAL

UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL
PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF UNDERGROUND STORAGE TANKS
CN-029, TRENTON, NJ 08625-0029

TMS #
C-93-3886

UST #

0192486

USArmy
Bldg. 2044
Ft. Monmouth, NJ

Monmouth

THE ABOVE LISTED FACILITY IS HEREBY GRANTED APPROVAL TO PERFORM
THE FOLLOWING ACTIVITY IN ACCORDANCE WITH N.J.A.C. 7:14B-1 et. seq.:

Removal of: one 550 gallon gasoline UST(s) and associated piping.

SITE ASSESSMENT: Soil samples will be taken every five (5) feet along the centerline of each tank and one (1) sample every 15 feet along all appurtenant piping. Two (2) additional samples will be taken from each tank area and biased to the areas of highest field screened readings. Samples will be analyzed for VO+10 (and lead when applicable).

ON-SITE MANAGER: C. Appleby

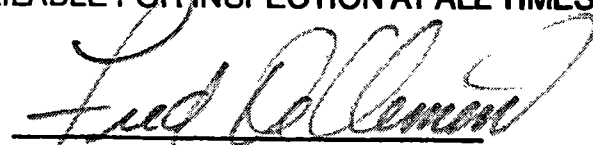
908-532-1475
TELEPHONE:

OWNER:

TELEPHONE:

EFFECTIVE DATE: **SEP 07 1993**

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED
ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.



KEVIN F. KRATINA, BUREAU CHIEF
BUREAU OF UNDERGROUND STORAGE TANKS

UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF UNDERGROUND STORAGE TANKS
CN-029, TRENTON, NJ 08625-0029

TMS #

UST #

C-93-3885

0192486

US Army
BLDG. 2044
Ft. Monmouth, NJ

Monmouth

THE ABOVE LISTED FACILITY IS HEREBY GRANTED APPROVAL TO PERFORM
THE FOLLOWING ACTIVITY IN ACCORDANCE WITH N.J.A.C. 7:14B-1 et. seq.:

Removal of: one 550 gallon #2 diesel UST(s) and appurtenant piping.

SITE ASSESSMENT: Soil samples will be taken every five (5) feet along the center line of each tank and one (1) soil sample for every 15 feet along all associated piping. Two (2) additional samples will be taken from around the tank and biased to the areas of highest field screened readings. Samples will be analyzed for TPHC. If sample results are greater than 1,000ppm than 25% of the samples will be analyzed for VO+10.

ON-SITE MANAGER: C. Appleby

TELEPHONE: 908-532-1475

OWNER:

TELEPHONE:

EFFECTIVE DATE: **SEP 07 1993**

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED
ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.


KEVIN F. KRATINA, BUREAU CHIEF
BUREAU OF UNDERGROUND STORAGE TANKS

UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF UNDERGROUND STORAGE TANKS
CN-029, TRENTON, NJ 08625-0029

TMS #

UST #

C-93-3186

0192486

US Army
BLDG. 2044
Ft. Monmouth, NJ

Monmouth

THE ABOVE LISTED FACILITY IS HEREBY GRANTED APPROVAL TO PERFORM
THE FOLLOWING ACTIVITY IN ACCORDANCE WITH N.J.A.C. 7:14B-1 et. seq.:

Removal of: one 1,000 gallon #2 diesel UST(s) and appurtenant piping.

SITE ASSESSMENT: Soil samples will be taken every five (5) feet along the center line of each tank and one (1) soil sample for every 15 feet along all associated piping. Two (2) additional samples will be taken from around the tank and biased to the areas of highest field screened readings. Samples will be analyzed for TPHC. If sample results are greater than 1,000ppm than 25% of the samples will be analyzed for VO+10.

ON-SITE MANAGER: C. Appleby

TELEPHONE: 908-532-1475

OWNER:

TELEPHONE:

EFFECTIVE DATE: **AUG 26 1993**

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED
ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.



KEVIN F. KRATINA, BUREAU CHIEF
BUREAU OF UNDERGROUND STORAGE TANKS

APPENDIX B
CERTIFICATIONS



Mailed 12/31/93 CA
 State of New Jersey
 Department of Environmental Protection and Energy
 Division of Responsible Party Site Remediation
 CN 028
 Trenton, NJ 08625-0029

ATTN: UST Program
 (609) 984-3156

For State Use Only

Date Rec'd. _____

Auth. _____

Routing _____

UST NO. _____

STANDARD REPORTING FORM
 for reporting activities at an UST facility:

- | | |
|---|---|
| ☐ General Facility Information Changes
☒ Closure (Abandonment or Removal)
☐ Temporary Closure
☐ Change in Service | ☐ Sale or Transfer
☐ Substantial Modification
☐ Financial Responsibility
☐ Address Change Only |
|---|---|

Check ONLY One Type of Activity - Complete Form For That Activity

(More than one tank can be listed per activity)

*** NOTE *** ALL NEW tank installations at existing registered
 facilities must submit a Registration Questionnaire for the new tanks.

Answer questions 1 through 5 and others as applicable.

1. Company name and address (as it appears on registration questionnaire):

U.S. ARMY Fort Monmouth
DEH Bldg 167
Fort Monmouth NJ 07703
ATTN: Charles Appikby

2. Facility name and location
(if different from above):

3. Contact person for this activity:

Charles Appikby
 Telephone Number: (908) 532-6224

4. The identification number of the affected tank as it appears in Question Number 12 on the Registration Questionnaire:

33

5. Registration Number (if known):

Bldg 2044 - Gasoline

UST - 00192486

6. For GENERAL FACILITY INFORMATION changes (address, telephone, contact person, etc. - supply NEW information only):

a. Facility name: _____

b. Facility location: _____

c. Owner's mailing address: _____

_____ NJ _____

d. Block: _____ Lot: _____

e. Contact person (facility operator): _____

f. Contact telephone number: (_____) _____ - _____

g. Other (Specify): _____

(OVER)

7. For CLOSURE (abandonment or removal - check all that apply):

a. ☐ Abandonment Date: 1/1 Case No.: 1

Attach the necessary implementation schedule (3 copies) and all documentation needed for abandonment per N.J.A.C. 7:14B-9.1 (d).

b. ☒ Removal Date: 12/16/93 Case No.: NA

Attach the necessary implementation schedule (3 copies).

8. For CHANGES IN HAZARDOUS SUBSTANCES STORED (check all that apply):

a. ☐ Temporary Closure (12 month maximum time - see N.J.A.C. 7:14B-9.1(b)). Remove all hazardous substances; leave tank in place.

b. ☐ Change in service from a regulated substance to a non-regulated substance. Tank must be cleaned and site assessment performed per N.J.A.C. 7:14B-9.1(e).

c. ☐ Changes in service from one regulated hazardous substance to another regulated hazardous substance.

Tank No. _____	Old _____	New _____
Tank No. _____	Old _____	New _____
Tank No. _____	Old _____	New _____

(Attach additional sheets if more space is needed)

9. For TRANSFER OF OWNERSHIP: Effective Date: 1/1/94

a. New Owner (operator) _____

b. New Facility Name _____

_____ NJ _____

_____ County _____

c. Closing Attorney _____ Tele: (____) _____

10. For SUBSTANTIAL MODIFICATIONS (to include any retrofitted activity - e.g. the addition of spill/overfill protection; monitoring systems, cathodic protection, etc.):

a. Type of Modification _____ Date: 1/1/94

b. * NOTE * Substantial modifications require a permit under N.J.A.C. 7:14B-10.

11. For changes in FINANCIAL RESPONSIBILITY to (check appropriate changes and attach copies of new information):

a. Policy Type: ☐

d. Company/Carrier: ☐

b. Policy Number: ☐

e. Expiration Date: ☐

c. Other: ☐

(Specify)

NOTE: ALL appropriate and applicable permits, licenses and certificates required by the above activity(ies) from any local, state and/or federal agencies must be obtained separately from this notification.

CERTIFICATION

This registration form shall be signed by the highest ranking individual at the facility with overall responsibility for that facility (N.J.A.C. 7:14B-2.3 (a) 1).

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including fines and/or imprisonment."

Signature: Jim Herwardy

Name (print or type): Mr. James OTT

Title: Acting Director, Directorate of Public Works Date: 12/21/93



State of New Jersey
Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
CN 028
Trenton, NJ 08625-0029

ATTN: UST Program
(609) 984-3156

For State Use Only

Date Rec'd. _____
Auth. _____
Routing _____
UST NO. _____

STANDARD REPORTING FORM
for reporting activities at an UST facility:

- | | |
|--|---|
| ☐ General Facility Information Changes | ☐ Sale or Transfer |
| ☒ Closure (Abandonment or Removal) | ☐ Substantial Modification |
| ☐ Temporary Closure | ☐ Financial Responsibility |
| ☐ Change in Service | ☐ Address Change Only |

Check ONLY One Type of Activity - Complete Form For That Activity

(More than one tank can be listed per activity)

*** NOTE *** ALL NEW tank installations at existing registered facilities must submit a Registration Questionnaire for the new tanks.

Answer questions 1 through 5 and others as applicable.

1. Company name and address (as it appears on registration questionnaire):

U.S. ARMY Fort Monmouth
DEH Bldg. 167
Fort Monmouth NJ 07703
ATTN: Charles Appikby

2. Facility name and location (if different from above):

3. Contact person for this activity:

Charles Appikby
Telephone Number: (908) 532-6224

4. The identification number of the affected tank as it appears in Question Number 12 on the Registration Questionnaire:

Bldg. 2044 - Diesel

32

5. Registration Number (if known):

UST - 00192486

6. For GENERAL FACILITY INFORMATION changes (address, telephone, contact person, etc. - supply NEW information only):

- a. Facility name: _____
b. Facility location: _____
c. Owner's mailing address: _____

NJ

- d. Block: _____ Lot: _____
e. Contact person (facility operator): _____
f. Contact telephone number: () _____
g. Other (Specify): _____

(OVER)

7. For CLOSURE (abandonment or removal - check all that apply):

a. ☐ Abandonment Date: 1/1/93 Case No: 7

Attach the necessary implementation schedule (3 copies) and all documentation needed for abandonment per N.J.A.C. 7:14B-9.1 (d).

b. ☒ Removal Date: 12/17/93 Case No. 93-06-28-1009
Attach the necessary implementation schedule (3 copies) - TMS-C-93-3885

8. For CHANGES IN HAZARDOUS SUBSTANCES STORED (check all that apply):

a. ☐ Temporary Closure (12 month maximum time - see N.J.A.C. 7:14B-9.1(b)). Remove all hazardous substances; leave tank in place.

b. ☐ Change in service from a regulated substance to a non-regulated substance. Tank must be cleaned and site assessment performed per N.J.A.C. 7:14B-9.1(e).

c. ☐ Changes in service from one regulated hazardous substance to another regulated hazardous substance.

Tank No. _____	Old _____	New _____
Tank No. _____	Old _____	New _____
Tank No. _____	Old _____	New _____

(Attach additional sheets if more space is needed)

9. For TRANSFER OF OWNERSHIP: Effective Date: 1/1/93

a. New Owner (operator) _____

b. New Facility Name _____

_____ NJ _____

_____ County _____

c. Closing Attorney _____ Tele: (____) _____

10. For SUBSTANTIAL MODIFICATIONS (to include any retrofitted activity - e.g. the addition of spill/overfill protection, monitoring systems, cathodic protection, etc.):

a. Type of Modification _____ Date: 1/1/93

b. * NOTE * Substantial modifications require a permit under N.J.A.C. 7:14B-10.

11. For changes in FINANCIAL RESPONSIBILITY to (check appropriate changes and attach copies of new information):

a. Policy Type: ☐

d. Company/Carrier: ☐

b. Policy Number: ☐

e. Expiration Date: ☐

c. Other: ☐

(Specify)

NOTE: ALL appropriate and applicable permits, licenses and certificates required by the above activity(ies) from any local, state and/or federal agencies must be obtained separately from this notification.

CERTIFICATION

This registration form shall be signed by the highest ranking individual at the facility with overall responsibility for that facility (N.J.A.C. 7:14B-2.3 (a) 1).

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including fines and/or imprisonment."

Signature: _____

Name (print or type): Mr. James Ott

Title: Acting Director, Directorate of Public Works

Date: 12/21/93



mailed 12/21/93 ex 7

State of New Jersey
Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
CN 028
Trenton: NJ 08625-0029

ATTN: UST Program
(609) 984-3156

For State Use Only

Date Rec'd. _____
Auth. _____
Routing: _____
UST NO. _____

STANDARD REPORTING FORM
for reporting activities at an UST facility.

- | | |
|--|---|
| ☐ General Facility Information Changes | ☐ Sale or Transfer |
| ☒ Closure (Abandonment or Removal) | ☐ Substantial Modification |
| ☐ Temporary Closure | ☐ Financial Responsibility |
| ☐ Change in Service | ☐ Address Change Only |

Check ONLY One Type of Activity - Complete Form For That Activity

(More than one tank can be listed per activity)

*** NOTE *** ALL NEW tank installations at existing registered facilities must submit a Registration Questionnaire for the new tanks.

Answer questions 1 through 5 and others as applicable.

1. Company name and address (as it appears on registration questionnaire):

U.S. ARMY Fort Monmouth
DEH Bldg 167
Fort Monmouth NJ 07703
ATTN: Charles Appiky

2. Facility name and location (if different from above):

3. Contact person for this activity:

Charles Appiky
Telephone Number: (908) 532-6224

4. The identification number of the affected tank as it appears in Question Number 12 on the Registration Questionnaire:

Bldg. 2044 - Fuel oil
24

5. Registration Number (if known):

UST- 00192486

6. For GENERAL FACILITY INFORMATION changes (address, telephone, contact person, etc. - supply NEW information only):

- a. Facility name: _____
b. Facility location: _____
c. Owner's mailing address: _____

NJ _____
d. Block: _____ Lot: _____
e. Contact person (facility operator): _____
f. Contact telephone number: () _____
g. Other (Specify): _____

(OVER)

7. For CLOSURE (abandonment or removal - check all that apply):

a. ☐ Abandonment Date: / / Case No:

Attach the necessary implementation schedule (3 copies) and all documentation needed for abandonment per N.J.A.C. 7:14B-9.1 (d).

b. ☒ Removal Date: 12/20/93 Case No. 93-6-28-1009-35

Attach the necessary implementation schedule (3 copies). TMS-C-93-3886

8. For CHANGES IN HAZARDOUS SUBSTANCES STORED (check all that apply):

a. ☐ Temporary Closure (12 month maximum time - see N.J.A.C. 7:14B-9.1(b)). Remove all hazardous substances; leave tank in place.

b. ☐ Change in service from a regulated substance to a non-regulated substance. Tank must be cleaned and site assessment performed per N.J.A.C. 7:14B-9.1(e).

c. ☐ Changes in service from one regulated hazardous substance to another regulated hazardous substance.

Tank No. <u> </u>	Old <u> </u>	New <u> </u>
Tank No. <u> </u>	Old <u> </u>	New <u> </u>
Tank No. <u> </u>	Old <u> </u>	New <u> </u>

(Attach additional sheets if more space is needed)

9. For TRANSFER OF OWNERSHIP: Effective Date: / /

a. New Owner (operator)

b. New Facility Name

 NJ

 County

c. Closing Attorney Tele: () -

10. For SUBSTANTIAL MODIFICATIONS (to include any retrofitted activity - e.g. the addition of spill/overfill protection, monitoring systems, cathodic protection, etc.):

a. Type of Modification Date: / /

b. * NOTE * Substantial modifications require a permit under N.J.A.C. 7:14B-10.

11. For changes in FINANCIAL RESPONSIBILITY to (check appropriate changes and attach copies of new information):

a. Policy Type: ☐

d. Company/Carrier: ☐

b. Policy Number: ☐

e. Expiration Date: ☐

c. Other: ☐

(Specify)

NOTE: ALL appropriate and applicable permits, licenses and certificates required by the above activity(ies) from any local, state and/or federal agencies must be obtained separately from this notification.

CERTIFICATION

This registration form shall be signed by the highest ranking individual at the facility with overall responsibility for that facility (N.J.A.C. 7:14B-2.3 (a) 1).

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including fines and/or imprisonment."

Signature:

Name (print or type): Mr. James Ott

Title: Acting Director, Directorate of Public Works

Date: 12/21/93

APPENDIX C
WASTE MANIFEST



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

Bldg. 2044
Tank Bottom

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <u>NY122100209793010</u>		Manifest Document No. <u>010</u>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address <u>U. S. Army Communications Electronics Command</u> <u>Charles Area, C/O James Shirchio</u> <u>Attn: SELM-DL-EM-RS, Fort Monmouth, NJ 07703</u>						A. State Manifest Document Number NJA 1704838				
4. Generator's Phone (<u>908</u>) <u>532-6223</u>						B. State Generator's ID <u>same as above</u>				
5. Transporter 1 Company Name <u>Casie Ecology Oil Salvage, Inc.</u>						C. State Trans. ID <u>same as above</u>				
6. US EPA ID Number <u>NY122100209793010</u>						D. Transporter's Phone (<u>908</u>) <u>496-4401</u>				
7. Transporter 2 Company Name						E. State Trans. ID				
9. Designated Facility Name and Site Address <u>Casie Ecology Oil Salvage, Inc. TA Casie/Protank</u> <u>3209 N. Mill Road</u> <u>Vineland, NJ 08360</u>						F. Transporter's Phone (<u>908</u>) <u>496-4401</u>				
10. US EPA ID Number <u>NY122100209793010</u>						G. State Facility's ID <u>061AD10P02</u>				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <u>HM</u>						12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. <u>Oil contaminated solids</u> <u>Non D.O.T. regulated material</u>						<u>XX2</u>		<u>XX800</u>	<u>7</u>	<u>23</u>
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above <u>may exhibit char. of DOT</u>						K. Handling Codes for Wastes Listed Above				
a. <u>S.S.</u>						a.				
b.						b.				
15. Special Handling Instructions and Additional Information <u>This is a New Jersey regulated waste not a RCRA hazardous waste.</u> <u>CFI # 24 hr. emergency response 908-696-4401</u>										
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 <u>Joseph M. Fallon</u>						Signature <u>Joseph M. Fallon</u>		Month Day Year <u>01/20/94</u>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <u>JAMES J. GUTHRIE</u>						Signature <u>James J. Guthrie</u>		Month Day Year <u>01/20/94</u>		
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				

APPENDIX D
UST DISPOSAL CERTIFICATE

no # 5,

MAZZA & SONS, INC.

Metal Recyclers
Auto and Truck
3230 Shafto Rd.
Tinton Falls, NJ
(908) 922-9292

NO. _____

DATE 21 Dec 95

Customer's Name CUTE INC

Address Bldg 2044

1-550 GAS TANK
1-550 Diesel "
1-1000 #2 oil "

Make of
Autos

Tires

Tank

Price:

41260 LB 6

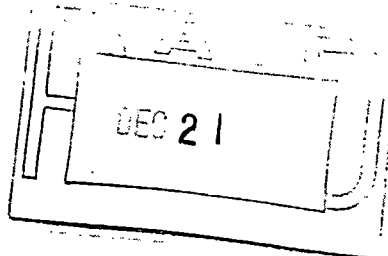
38120 LB 6

3140

Weight Pr

Cast Iron	
Steel	62 ⁸⁰
Lt. Iron	
Copper #1	
Copper #2	
Lt. Copper	
Brass	
Alum Clean	
Lead	
Stainless	
Radiators	
Battery	

TOTAL AMOUNT:



Weigher _____ Customer Don Ellis

APPENDIX E

MONITORING WELL PERMITS AND CONSTRUCTION LOGS

00-17 SERIAL # 37094

FORM-133M (7/92)

STATE OF NEW JERSEY
DEPT. OF ENVIRONMENTAL PROTECTION AND ENERGETICS
TRENTON, NJ

Mail to

Water Allocation
CN 029
Trenton, N.J. 08625

Permit No. 313-176

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 29.238 34

Owner US ARMY FORT MONMOUTH

Driller THREE CROWNED, LTD

Address _____

Address 1350 RT 130 S

FORT MONMOUTH, NJ 07703

Freehold, NJ 07728

Name of Facility Central Site (Chambers)

Address 2044

FORT MONMOUTH, NJ 07703

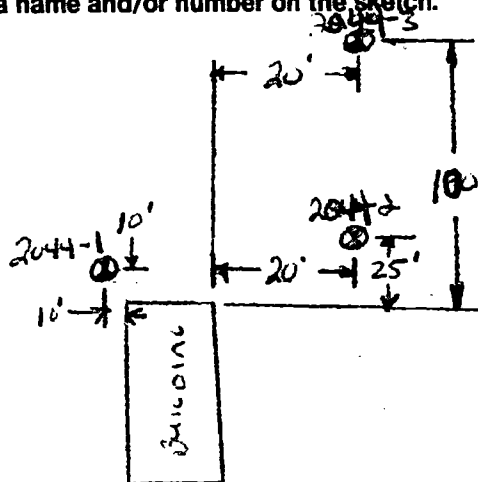
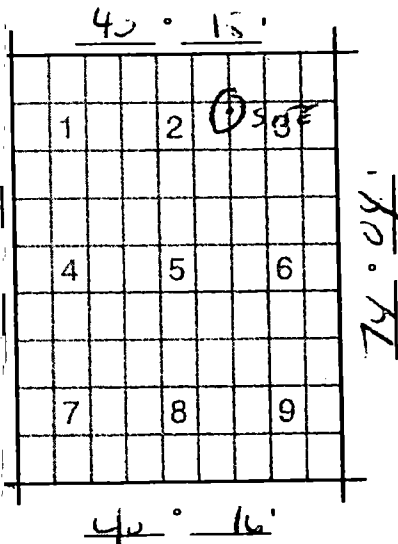
Diameter of Well(s)	<u>4</u> Inches	Proposed Depth of Well(s)	<u>15</u> Feet
# of Wells Applied for (max. 10)	<u>3</u>	Will pumping equipment be installed? YES ☐ NO ☒	
Type of Well (see reverse)	<u>monitor / observation</u>	If Yes, give pump capacity	GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
		<u>FORT MONMOUTH</u>	<u>NEW JERSEY</u>

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 24



FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Fund Case
- ☐ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____

Case I.D. Number

93-6-28-1009-35

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation

APR 5 1994

FOR
D.E.P.E.
USE

- ☐ Issuance of this permit is subject to the conditions attached. (see next page)
- ☒ For monitoring purposes only

- ☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.
compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date March 4 28, 1994

Signature of Driller

License # 1421

Signature of Owner

SELF + PW - EV

Health Dept. — Yellow

Owner — Blue

Driller — White

COPIES:

Water Allocation — White and Pink

SERIAL # 37094

WR-133M (7/92)

DEPAR

STATE OF NEW JERSEY
OF ENVIRONMENTAL PROTECTION AND ENERGY
TRENTON, NJ

Mail to

Permit No. _____

Water Allocation

CN 029

Trenton, N.J. 08625

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 21.12.1.4

Owner U.S. Army Corps of Engineers

Driller T. J. ...

Address _____

Address 1850 RT 103

Name of Facility Central Site (Hazardous waste)

Address 2044

East ... NJ 07703

Diameter of Well(s) <u>4</u> Inches	Proposed Depth of Well(s) <u>15</u> Feet
# of Wells Applied for (max. 10) <u>3</u>	Will pumping equipment be installed? YES ☐ NO ☒
Type of Well (see reverse) <u>Monitoring Well</u>	If Yes, give pump capacity _____ GPM

LOCATION OF WELL(S)

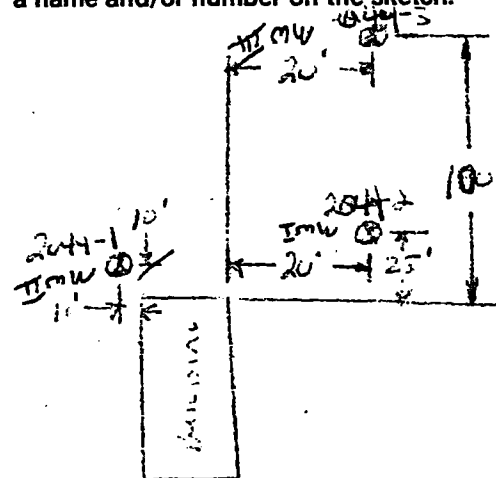
Lot #	Block #	Municipality	County
		<u>...</u>	<u>...</u>

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 43-15

1	2	3
4	5	6
7	8	9

GOLF COURSE



N↑

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Fund Case
- ☐ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____

Case I.D. Number

93-6-28-1009-35

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation

APR 5 1994

FOR
D.E.P.E.
USE

- ☐ Issuance of this permit is subject to the conditions attached. (see next page)
- ☐ For monitoring purposes only
- ☐ _____

- ☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date March 28, 1994

Signature of Driller

License # 1421

Signature of Owner

SELF-PIEZ

MONITORING WELL RECORD

Well Permit No. 00770
Atlas Sheet Coordinates 1OWNER IDENTIFICATION - Owner 00770Address 00770 State NY Zip Code 00770

WELL LOCATION - If not the same as owner please give address.

Owner's Well No. P1/g. 2044 MW-1County 00770 Municipality 00770 Lot No. 00770 Block No. 00770
Address 00770TYPE OF WELL (as per Well Permit Categories) 00770Date well completed 6/30/94Regulatory Program Requiring Well 00770Case I.D. # 00770CONSULTING FIRM/FIELD SUPERVISOR (if applicable) 00770Tele. # 00770

WELL CONSTRUCTION

Total depth drilled 15 ft.Well finished to 15 ft.

Borehole diameter:

Top 8 in.Bottom 8 in.Well was finished: ☒ above grade
☐ flush mountedIf finished above grade, casing
height (stick up) above land
surface 3 ft.

Was steel protective casing installed?

☒ Yes ☐ NoStatic water level after drilling 3 ft.Water level was measured using TAPEWell was developed for 1 hours at gpmMethod of development PUMPWas permanent pumping equipment installed? ☐ Yes ☒ NoPump capacity gpmPump type: Drilling Method AugerDrilling Fluid Type of Rig B-80Name of Driller Michael E BeckHealth and Safety Plan submitted? ☒ Yes ☐ NoLevel of Protection used on site (circle one) None D C B AN.J. License No. 1421Name of Drilling Company

	Depth to Top (ft.) [From land surface]	Depth to Bottom (ft.)	Diameter (inches)	Type and Material
Inner Casing	0	2'	4"	PVC
Outer Casing (Not Protective Casing)				
Screen (Note slot size)	2'	15'	4"	205/6T PVC
Tail Piece				
Gravel Pack	1'	15'		#2
Annular Seal/Grout	0	1'		Benonite
Method of Grouting	Pour			

GEOLOGIC LOG

(Copies of other geologic logs and/or
geophysical logs should be attached.)

2'-6" TOP Soil

6"-13" med to coarse SAND

13'-15" Black Clay + Silt

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable State rules and regulations.

Driller's Signature Michael E BeckDate 7-1-94

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

MONITORING WELL APPLICATION-FORM B-LOCATION CERTIFICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case NJPDES Number: 93-6-28-1001-35

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:

This number must be permanently affixed to the well casing.

Longitude (to nearest second):

Latitude (to nearest second):

Elevation of Top of Inner Casing (cap off)
(one-hundredth of a foot):

Elevation of ground level (1/100th ft.)

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.)

Owners Well Number (As shown on application or plans):

29-30 170-

West 74° 04' 32.64"

North 40° 17' 48.58"

35.06

32.85

Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

BLDG 2044 MW-1

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or from an alternate datum approved by the Department. Tolerances should meet third order standards, which are 0.05 ft x (mile)^{1/2}. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Wayne W. Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W. BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

FIELD LOG OF BORING

SHEET ____ OF ____

LOCATION OF BORING:

Fort Monmouth
Bldg. 2044 MW-1PROJECT: US Army
Fort Monmouth

BORING NO: MW-1

TOTAL DEPTH: 15'

JOB NO:

LOGGED BY: V. Swanson

PROJ. MGR.: JC

EDITED BY:

DRILLING CONTRACTOR: Tyree

DRILL RIG TYPE: Mobile B-80

DRILLERS NAME: M. Beck

SAMPLING METHODS:

split spoon

HAMMER WT.: 140

DROP: 30"

STARTED, TIME: 0600

DATE: 7/1/94

COMPLETED, TIME: 1400

DATE: 7/1/94

BORING DEPTH (ft):

15

CASING DEPTH (ft):

2

WATER DEPTH (ft):

3-4

TIME:

1400

DATE:

7/5/94

BACKFILLED, TIME: 1400

DATE: 7/5/94 BY: M13

SURFACE ELEV:

DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y/N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG
0-2	SS	7	6	12			0	N	SC	1	Casing/Bentoneite
		3	6								
		5	6								
		6	6								
2-4	SS	1	6				0	N	GP	2	Casing/Bentoneite
		1	6								
		2	6								
		1	6								
4-6							0	N	GP	4	Screen
6-8							0	N	GP	6	Screen
8-10							0	N	GP	8	Screen
10-12							0	N	GP	10	Screen
12-14							0	N	GP		Screen

Medium Red brown Sand
and Clay with gravel and trace siltCoarse Grey Sand and gravel
Sample collected 2-4'

Same

Same

Same

Same from 10' down to 15'
Fine Grey sand and clay

TYREE ENVIRONMENTAL TECHNOLOGIES

Mail to

Water Allocation

CN 029

Trenton, N.J. 08625

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD # :

Owner U.S. Army, Fort Belvoir, IL

Driller 17280 - C. M. A. Co

Address _____

Address 1500 67, 03

Name of Facility Lincoln S12 (11) 2011

Address 2044

FILE NUMBER NT 07703

Diameter of Well(s)	4	Inches	Proposed Depth of Well(s)	15	Feet
---------------------	---	--------	---------------------------	----	------

# of Wells Applied for (max. 10)	3	Will pumping equipment be installed? YES ☐ NO ☒
----------------------------------	---	--

Type of Well (see reverse)	If Yes, give pump capacity	GPM
1. <u>Hand-dug</u>		
2. <u>Drilled</u>		
3. <u>Driven</u>		
4. <u>Other</u>		

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
		PRINCE GEORGE	PRINCE GEORGE

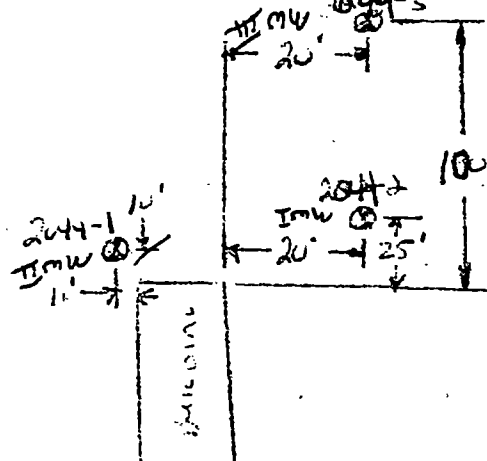
Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 100

	1		2	3			
	4		5		6		
	7		8		9		

74.04

Golf Course



N1

OR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Fund Case
- ☐ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____

Case I.D. Number

93-6-28-1009-35

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation

APR 5 1974

**FOR
D.E.P.E.
USE**

- ☐ Issuance of this permit is subject to the conditions attached. (see next page)
- ☐ For monitoring purposes only
- ☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.
compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date March 28, 1994

Signature of Driller

Signature of Owner

License # 1021

SELF-PU-EV

MONITORING WELL RECORD

Well Permit No. 31791
Atlas Sheet Coordinates 140OWNER IDENTIFICATION - Owner 11111111111111111111Address 11111111111111111111
City 11111111111111111111 State 11 Zip Code 11111

WELL LOCATION - If not the same as owner please give address.

Owner's Well No. Big 204 MW-2County 11111111111111111111 Municipality 11111111111111111111 Lot No. 140 Block No. 20
Address 11111111111111111111TYPE OF WELL (as per Well Permit Categories) 11111111111111111111Date well completed 7-1-74Regulatory Program Requiring Well 1111Case I.D. # 11111111111111111111CONSULTING FIRM/FIELD SUPERVISOR (if applicable) 11111111111111111111Tele. # 1111111111

WELL CONSTRUCTION

Total depth drilled 15 ft.Well finished to 15 ft.

Borehole diameter:

Top 1 in.Bottom 7 in.Well was finished: ☒ above grade☒ flush mountedIf finished above grade, casing
height (stick up) above land
surface 3 ft.

Was steel protective casing installed?

☒ Yes ☒ NoStatic water level after drilling 3 ft.Water level was measured using TapeWell was developed for 1 hours at 1 gpmMethod of development SurgeWas permanent pumping equipment installed? ☐ Yes ☒ NoPump capacity 1 gpmPump type: 1Drilling Method 1Drilling Fluid 1 Type of Rig R-50Name of Driller 11111111111111111111Health and Safety Plan submitted? ☐ Yes ☒ NoLevel of Protection used on site (circle one) (None) D C B AN.J. License No. 1111Name of Drilling Company 11111111111111111111

	Depth to Top (ft.) [From land surface]	Depth to Bottom (ft.)	Diameter (inches)	Type and Material
Inner Casing	2	2	4"	1"
Outer Casing (Not Protective Casing)				
Screen (Note slot size)	2'	15'	4"	1/2" slot PVC
Tail Piece				
Gravel Pack	1'	15'		#2
Annular Seal/Grout	6"	1'		Grout
Method of Grouting	Packer			

GEOLOGIC LOG

(Copies of other geologic logs and/or
geophysical logs should be attached.)

13'-5" Top Soil
6'-13' med to coarse
sand
12'-15' Black Clay - Silt

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable
State rules and regulations.Driller's Signature 11111111111111111111Date 7-2-74

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

MONITORING WELL APPLICATION-FORM B-LOCATION AUTHENTICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case NJPDES Number: 93-6-28-1009-35

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing.

29-30171-

Longitude (to nearest second):

West 74° 04' 33.17"

Latitude (to nearest second):

North 40° 17' 47.98"

Elevation of Top of Inner Casing (cap off)
(one-hundredth of a foot):

35.05

Elevation of ground level (1/100th ft.)

32.19

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.)

Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

Owners Well Number (As shown on application or plans):

BLOG 2044 MW-2

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or from an alternate datum approved by the Department. Tolerances should meet third order standards, which are 0.05 ft x (mile)^{1/2}. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Wayne W. Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W. BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

FIELD LOG OF BORING

SHEET ____ OF ____

LOCATION OF BORING: Fort Monmouth
Building 2044
MW2

PROJECT: US Army
Fort Monmouth

BORING NO: MW2

TOTAL DEPTH: 15'

JOB NO:

LOGGED BY: V. Swanson

PROJ. MGR.: JRC

EDITED BY:

DRILLING CONTRACTOR: Tyree

DRILL RIG TYPE: Mobil B80

DRILLERS NAME: Mike Beck

SAMPLING METHODS: split spoon

HAMMER WT.: 140

DROP: 30"

STARTED, TIME: 6 AM

DATE: 6/30/94

COMPLETED, TIME: 2 PM

DATE: 6/30/94

BORING DEPTH (ft):

15

CASING DEPTH (ft):

2

WATER DEPTH (ft):

3-4

TIME:

DATE:

BACKFILLED, TIME:

DATE: 6/30/94 BY: Tyree

SURFACE ELEV:

DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y/N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG
0-2	SS	14	6	24			0	N		1	Medium Red brown Sand and clay with decomposed vegetation. sample
		8	6								
		10	6								
		24	6								
2-4	SS	17	6	24			0	N		2	Green Brown Sand with some clay and trace till sample
		16	6							3	
		15	6							4	4' water encountered. SAME soil
		16	6				0	N			
										5	
							0	N		6	SAME
										7	
							0	N		8	SAME
										9	
							0	N		10	SAME

DEPARTEMENT

STATE OF NEW JERSEY
OF ENVIRONMENTAL PROTECTION AND ENERGETICS
TRENTON, NJ

Permit No. _____

CN 029

Trenton, N.J. 08625

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD # :

Owner 111 Army East Memphis TN

Driller Eric Anderson, Jr.

Address _____

Address 150 AT, 3 S

Name of Facility Lincoln 512 (border) unit

Address 2044

Diameter of Well(s)	4	Inches	Proposed Depth of Well(s)	15	Feet
---------------------	---	--------	---------------------------	----	------

# of Wells Applied for (max. 10)	3	Will pumping equipment be installed? YES ☐ NO ☒
-------------------------------------	---	---

Type of Well (see reverse)	If Yes, give pump capacity	GPM
-------------------------------	-------------------------------	-----

LOCATION OF WELL(S)

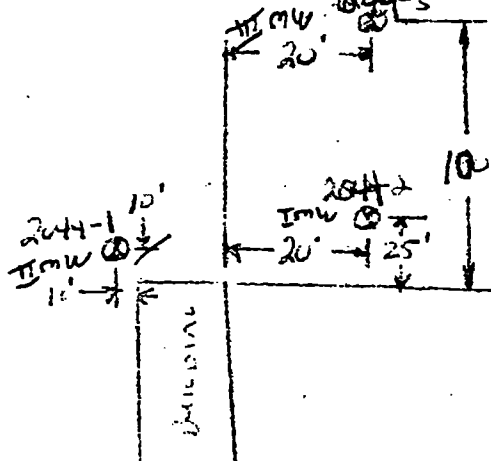
Lot #	Block#	Municipality	County
		PAEM	

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 100

	1		2				3	
	4		5				6	
	7		8				9	

Golf Course



N1

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Fund Case
- ☐ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____

Case I.D. Number

93-6-28-1009-35

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation

APR 5 1984

FOR ☐ Issuance of this permit is subject to the conditions attached. (see next page)

DEFE ☐ For monitoring purposes only

USE

☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above,

Date March 28, 1994

Signature of Driller

Signature of Owner

License # 1421

SELF-PU-EV

MONITORING WELL RECORD

Well Permit No. _____

Atlas Sheet Coordinates _____

OWNER IDENTIFICATION - Owner _____

Address _____

City _____

State _____

Zip Code _____

WELL LOCATION - If not the same as owner please give address.

Owner's Well No. P.L. 204-1 MW-3

County _____

Municipality _____

Lot No. _____

Block No. _____

Address _____

TYPE OF WELL (as per Well Permit Categories) _____

Date well completed 7-31-94

Regulatory Program Requiring Well _____

Case I.D. # _____

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) _____

Tele. # _____

WELL CONSTRUCTION

Total depth drilled 15 ft.Well finished to 15 ft.

Borehole diameter:

Top 2 in.Bottom 8 in.Well was finished: ☒ above grade☐ flush mountedIf finished above grade, casing
height (stick up) above land
surface 3 ft.

Was steel protective casing installed?

☒ Yes ☐ NoStatic water level after drilling 3 ft.Water level was measured using TAPEWell was developed for 1 hours at _____ gpmMethod of development PumpWas permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity _____ gpm

Pump type: _____

Drilling Method AugerDrilling Fluid _____ Type of Rig R-80

Name of Driller _____

Health and Safety Plan submitted? ☒ Yes ☐ NoLevel of Protection used on site (circle one) (None) D C B AN.J. License No. 1421

Name of Drilling Company _____

	Depth to Top (ft.) [From land surface]	Depth to Bottom (ft.)	Diameter (inches)	Type and Material
Inner Casing	0	2'	4"	PC
Outer Casing (Not Protective Casing)				
Screen (Note slot size)	2'	15'	4"	20/30 T PVC
Tail Piece				
Gravel Pack	1'	15'		#2
Annular Seal/Grout		1'		Recurite
Method of Grouting	Packer			

GEOLOGIC LOG

(Copies of other geologic logs and/or
geophysical logs should be attached.)

0-6" T.P. Soil
6" - 14' med to coarse
SAND
14' - 15' Black Clay

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable
State rules and regulations.Driller's Signature [Signature]Date 7-7-94

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

MONITORING WELLAPPLICATION FORM B-LOCATIONCERTIFICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case NJPDES Number: 93-6-28-1009-35

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:

This number must be permanently affixed to the well casing.

29-30972-

Longitude (to nearest second):

West 74°04'32.76"

Latitude (to nearest second):

North 40°17'48.49"

Elevation of Top of Inner Casing (cap off)
(one-hundredth of a foot):

36.34

Elevation of ground level (1/100th ft.)

33.79

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.)

Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

Owners Well Number (As shown on application or plans):

BLDG 2044 MW-3

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or from an alternate datum approved by the Department. Tolerances should meet third order standards, which are 0.05 ft x (mile)^{1/2}. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Wayne W. Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W. BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

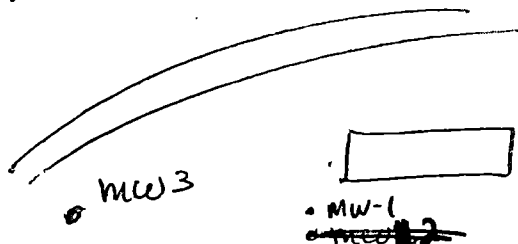
SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

FIELD LOG OF BORING

SHEET 1 OF 1

LOCATION OF BORING:

Fort Monmouth, Building # 2044
MW3PROJECT: US Army
Fort Monmouth.

BORING NO:

TOTAL DEPTH:

JOB NO: SELF-M-PW-EV

LOGGED BY: V Swanson

PROJ. MGR.: JC

EDITED BY:

DRILLING CONTRACTOR: Tyree

DRILL RIG TYPE: Mobil B80

DRILLERS NAME: Mike Beck

SAMPLING METHODS: Split Spoon

HAMMER WT.: 100 lb

DROP:

STARTED, TIME: 0600

DATE: 7/1/94

COMPLETED, TIME: 1400

DATE: 7/1/94

BORING DEPTH (ft): 15'

CASING DEPTH (ft): 2'

WATER DEPTH (ft): 3-4'

TIME:

DATE:

BACKFILLED, TIME:

DATE: 7/1 BY:

SURFACE ELEV:

DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y/N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG
0-2	SS	7	6	24			0	N	Casing bent	1	SC
		4	6								
		4	6								
		6	6								
24	SS	5	6	24			0	N	Screen	2	[]
		6	6							3	
4-6		9	6				0	N		4	
										5	
6-8							0	N	Screen	6	[]
										7	
8-10							0	N		8	
										9	
10-15'							0	N	Screen	10	[]

Red Brown^{medium} Sand and Clay
with decomposed vegetation.Green Brown^{medium} Sand with
some clay and trace till
sample collected4" water encountered
Same Soil

Same Soil

Same Soil

Same Soil

CLIENT:	Fort Monmouth	DILLING COMPANY:	Tyree
PROJECT/JOB No.:		DRIER:	m Beck
LOCATION:	Bldg 2044	HELPER / CREW:	J Rider.
BOREHOLE / WELL No.:	MW 2, MW3	DILLING TYPE:	Mobil B50
LOGGED BY:	Vacahn Swanson	DRIER	
		APPROVAL BY:	

[illegible]

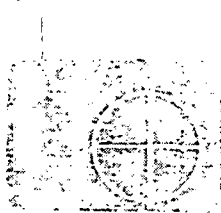
SBY = STANDBY
DNT = DOWNTIME
WU = WELL INSTALLATION
DCN = DECONTAMINATION
WDY = WELL DEVELOPMENT
GRT = GROUTING
SPR = SITE SET UP/CLEAN UP
TST = TESTING
MOB = MOBILIZATION
WKB = WORK BREAK
WTR = FILL WATER TRUCK
OTH = OTHER

HSA = HOLLOW STEM AUGERING
MOR = MUD ROTARY
ARR = AIR ROTARY
RTF = ROTARY FLUSH
CBT = CABLE TOOL
REM = REAMING-
DCD = DRILL THROUGH CASING DRIVER
DUR = DUAL ROTARY CASING DRIVER
COR = CORING -
RVC = REVERSE CIRCULATION
DHH = DOWNHOLE HAMMER
DAW = DRIVE CASING & WASH
OTH = OTHER

SB/S = 6-FT SPLIT SPOON SAMPLING -
 SB/C = CONTINUOUS SPLIT SPOON SAMPLING -
 CB/S = CALIFORNIA SPLIT SPOON SAMPLING -
 (REPLACE S WITH SAMPLING INTERVAL) -
 CTS = CONTINUOUS TUBE SAMPLING -
 STS = SHELBY TUBE SAMPLING -
 COR = CORING -
 WTS = WATER SAMPLING
 PKT = PACKER TESTING
 BGP = BOREHOLE GEOPHYSICS
 PNT = PUMPING TESTING
 BGT = BULK TESTING
 OTH = OTHER

[illegible]

APPENDIX F
SOIL ANALYTICAL DATA PACKAGE



princeton testing
laboratory inc.

P.O. Box 3108
3490 U.S. Route 1
Princeton, NJ 08543-3108
(609) 452-9050
FAX (609) 452-0347

E-SYSTEMS, INC.
P.O. Box 360
Ft. Monmouth, New Jersey 07703

Attn: Ms. Barbara O'Toole

JOB # 9401415-001G

P.O. # R4-0567

Laboratory Certification # 11118

Reviewed by:

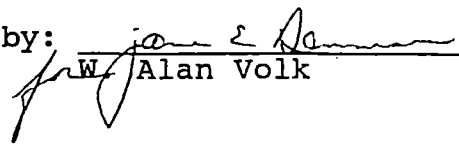

W. Alan Volk

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APPROVED SAMPLE ANALYSIS REQUEST

E-Systems Inc.
P.O. Box 360
Fort Monmouth, New Jersey 07703

Attention: Barbara O'Toole

Customer Number: 1219-000
P.O. Number: R4-0567
Standard Tests
Project Name: P.O. # R4-0567

Project No.: 9401415-001G

Client Job#: P.O. R4-0567

Date Received: 03/21/94

Analysis Due : 03/23/94

Number Of Samples : 11
Number Of Containers: 23

Approved By: Steven Burns

Reports: NJ Reduced Deliverables

Sample I.D.'s	Code	Requested Analytical Services	Sampled
001 1425.1 #1 Pile	PES0A HES1C	Pesticides, SW, SW-846 8080 Herbicides, SW, EPA 8150	03/18/94
002 1425.2 #2 Pile	PES0A HES1C	Pesticides, SW, SW-846 8080 Herbicides, SW, EPA 8150	03/18/94
003 1425.3 #3 UST 192486-24	PES0A HES1C	Pesticides, SW, SW-846 8080 Herbicides, SW, EPA 8150	03/18/94
004 1425.4 #4 UST 192486-24	PES0A HES1C	Pesticides, SW, SW-846 8080 Herbicides, SW, EPA 8150	03/18/94
005 1425.5 #5 UST 192486-24	PES0A HES1C	Pesticides, SW, SW-846 8080 Herbicides, SW, EPA 8150	03/18/94
006 1425.6 #6 UST 192486-24	HES1C PES0A	Herbicides, SW, EPA 8150 Pesticides, SW, SW-846 8080	03/18/94
007 1425.8 #8 UST 192486-33	HES1C PES0A	Herbicides, SW, EPA 8150 Pesticides, SW, SW-846 8080	03/18/94
008 1425.9 #9 UST 192486-33	HES1C PES0A	Herbicides, SW, EPA 8150 Pesticides, SW, SW-846 8080	03/18/94
009 1425.12 #12 UST 192486-32	HES1C PES0A	Herbicides, SW, EPA 8150 Pesticides, SW, SW-846 8080	03/18/94
010 1425.14 #15 Duplicate	HES1C PES0A	Herbicides, SW, EPA 8150 Pesticides, SW, SW-846 8080	03/18/94
011 1425.16 #16 Field Blank	HEW1C PEW0A	Herbicides, WW, EPA 8150 Pesticides, WW, SW-846 8080	03/18/94

Project Notes:

48 hr TAT verbals NON-CLP reduced data deliverable pkg

(cont)

Initials/Date

Received By Lab: _____
Reviewed By: _____
Q.A. Approved: _____

Printed By: Rose Kovacs
Date: 04/18/94
Time: 16:05:12

APPROVED SAMPLE ANALYSIS REQUEST

E-Systems Inc.
Customer Number: 1219-000

Approved By: Steven Burns
P.O. Number: R4-0567

Standard Tests

Project No.: 9401415-001G
Client Job#: P.O. R4-0567
Date Received: 03/21/94
Analysis Due : 03/23/94
Time Received: 17:02
Date Logged In: 03/21/94
Project Name: P.O. # R4-0567
Reports: NJ Reduced Deliverables

Sample I.D.'s	Code	Requested Analytical Services	Sampled
---------------	------	-------------------------------	---------

Requested Services Printed On Previous Page

Project Notes: (cont')**Customer Notes:**

**P.O. # must appear on all reports (mailed and faxed copy). -DD 4/94

Initials/Date

Received By Lab: _____
Reviewed By: _____
Q.A. Approved: _____

Printed By: Rose Kovacs
Date: 04/18/94
Time: 16:05:17

32

94-01415-0016

Princeton Testing Lab
R4-0567

SERV-AIR, INC.
An E-SYSTEMS Company

P.O. #:

Chain of Custody

Job #:		Sampler: <u>Rochkovsky</u>		Date / Time: <u>3/12/94 10:00</u>		Analysis Parameters		Start:	
Order #:		Site Name: <u>UST #</u>						Finish:	
<u>Env Air, Inc.</u>		<u>Bldg. 2044</u>		<u>192486-24 "2nd"</u>					
<u>74108) 532-6147</u>				<u>192486-33 - Cus</u>					
				<u>192486-32 - Duct</u>					
Sample Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Preservation Method				Remarks
25.1	3/18/94 1017	#1 pile	Soil	1	✓	✓			48 TAT Verbal's -
2	1020	#2 pile		1	✓	✓			Reduced Non-Ch-P 12/1/94
3	1045	#3 UST 192486-24		1	✓	✓			
4	1100	#4 UST 192486-24		1	✓	✓			
5	1110	#5 UST 192486-24		1	✓	✓			
6	1135	#6 UST 192486-24		1	✓	✓			
25.8	1245	#8 UST 192486-33		1	✓	✓			
9	1255	#9 UST 192486-33		1	✓	✓			
12	1400	#12 UST 192486-32		1	✓	✓			
14	1441	#15 Dup		1	✓	✓			
16	1333	#16 Field Blank	flqua	2	✓	✓			

Quished By (signature): <u>[Signature]</u>	Date / Time: <u>3/21/94 12:05 PM</u>	Received By (signature): <u>[Signature]</u>	Shipped By:
Quished By (signature): <u>[Signature]</u>	Date / Time: <u>3/24/94 3:20 PM</u>	Received For Lab by (signature):	Date / Time:

A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

METHODOLOGY SUMMARY

LABORATORY: PRINCETON TESTING LABORATORY
LOCATION: Princeton, NJ

CASE NAME: F-SYSTEMS
CASE NUMBER: 9401415

VOLATILE ORGANIC ANALYSES:

SEMIVOLATILE ORGANIC ANALYSES (ABN EXTRACTABLES):

PESTICIDES/PCBs and CHLORINATED HERBICIDES:

Pesticides Method 8080

Herbicides Method 8150

METALS ANALYSES:

TOTAL CYANIDE ANALYSES:

TOTAL PHENOL ANALYSES:

OTHER ANALYSES (SPECIFY):

NOTE: ONLY METHODS ACTUALLY USED IN THE PERFORMANCE OF ANALYSES FOR THIS DATA PACKAGE MAY BE ENTERED ON THIS FORM:

PRINCETON TESTING LABORATORY

LABORATORY CHRONICLE

Company: E-systems
Type Samples: Soil
Number: 10 + Trip Blank

Job No. 9401415
Due Date: 3/23/94
Date Received &
Refrigerated: 3/21/94

ORGANICS
EXTRACTION INFORMATION

1. Acid Extractable 1 1
2. Base/Neutrals 1 1
3. Pesticides/PCBs 11 3 23 94
4. Miscellaneous 11 3 23 94
* Herbicide

DIVISION SUPERVISOR
REVIEW & APPROVAL: [Signature]

Date: 4/15/94

INORGANICS

1. Metals 1 1
2. Cyanides 1 1
3. Phenol 1 1

DIVISION SUPERVISOR
REVIEW & APPROVAL: David Roberts

Date: 4/15/94

QUALITY CONTROL SUPERVISOR
REVIEW & APPROVAL: [Signature]

Date: 4/15/94

If fractions are re-extracted and re-analyzed because initial endeavors did not meet quality control acceptance criteria, include dates for both.

ANALYSES INFORMATION

1. Volatiles
a) 601/602 1 1
b) 624 1 1
2. Acid
Extractables 1 1
3. Base/
Neutrals 1 1
4. Pesticides/
PCBs 11 3 23 94
5. Miscellaneous 11 3 23 94
* Herbicide

OTHER ANALYTES

* Herbicide

CONFORMANCE/NON-CONFORMANCE
REPORT



Pesticides/PCBs Nonconformance Summary

		NO	YES
1	Calibration Verification		
	A Pesticide/PCBs Check Standard - $\pm 15\%D$	<u> </u>	<u>✓</u>
	B Evaluation Standard - Endrin/DDt % Breakdown $\leq 20\%$	<u> </u>	<u>✓</u>
2	Surrogate(s)		
	A TCMX/DBC/DCB % Recovery within QC Limits	<u> </u>	<u>✓ **</u>
	B Rt Shift: 0.3% Cap Colmn. and 2% for Packed Colmn.	<u> </u>	<u>✓</u>
3	RPD for MS/MSD Inside QC Limits	<u> </u>	<u>* *</u>
4	Analyte(s)		
	A Scored within Rt. Window	<u> </u>	<u>✓</u>
	B Calculated within Calibration Range	<u> </u>	<u>✓</u>
5	Blank Contamination < MDL	<u> </u>	<u>✓</u>
6	Extraction Holding Time Met.	<u> </u>	<u>✓</u>
7	Analysis Holding Time Met.	<u> </u>	<u>✓</u>

ample #4 → ** Primary surrogate (TCMX) out. Secondary surrogate within QC limits:
DBC % recovery = 46% @ limits 39-133

Comments: * The presence of matrix interferences + the presence
of pesticides in the spiked sample made matrix
spike + duplicate calculations difficult. The
necessary dilutions for the sample washed out our
spiked analytes.

Supervisor Signature: S David Roberts Date: 4/19/94

ORGANICS BY GC

PESTICIDES

QUALITY CONTROL SUMMARY

GENERAL SURROGATE RECOVERY DATA SHEET

LABORATORY NAME: Princeton Testing Labs

MATRIX: Soil/Solid

LEVEL: LOW HIGH (circle one)

DATE OF ANALYSES: 04/10/94

CASE NUMBER: P.O. R4-0567

CONTRACT NO:

FRACTION:

INSTRUMENT ID: 3400 ECD Detector A

[illegible]

COLUMN TO BE USED TO FLAG RECOVERY VALUES

* VALUES OUTSIDE OF METHOD REQUIRED QC LIMITS

LIST SURROGATES BELOW:

QC LIMITS: CONCENTRATION ADDED TO MATRIX

S1: TCMX (Surrogate) 42-122%

42-122%

20 mg

S2: J = Estimated value, below method detection

S3: _____

S4: _____

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Princeton Twp Contract: 9401415
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Level: (low/med) _____

	EPA SAMPLE NO.	S1 (DBC) #	OTHER TCMX
01	Method Blank	96	91
02	01 Field Blank	76	63
03	001 X10	43	64
04	002 X10	48	108
05	003 X10	26	47
06	004 X10	27	36
07	005 X10	45	65
08	006 X10	58	71
09	007 X10	40	71
10	008 X10	53	66
11	009 X10	43	83
12	010 X10	35	51
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ADVISORY
QC LIMITS
(20-150)

S1 (DBC) = Dibutylchloroendate

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY DATA SHEET

GENERAL ANALYSIS

SAMPLE

#1 Rie / ^{PL#} 001ND

LABORATORY NAME: Trinceton Testing Lab.

DATA RELEASE AUTHORIZED BY: Jae & [Signature]

PERCENT MOISTURE: [Signature]

(If applicable)

circle one

UNITS: ug/l mg/kg Dry

CASE NUMBER: _____

CONTRACT No: _____

MATRIX: _____

ANALYTE	SAMPLE RESULTS	AMOUNT ADDED	MS		AMOUNT ADDED	MSD	
			CONC.	% RECOVERY		CONC.	% RECOVERY
Lindane	<0.057	0.1 ug	0.106 ug	106%	0.1 ug	0.072	72%
Heptachlor	<0.057	0.1 ug	MS	MI	0.1 ug	0.072	72%
Aldrin	<0.057	0.1 ug	0.074 ug	74%	0.1 ug	0.105 ug	105%
Dieldren	<0.057	0.25 ug	MI	MI	0.25 ug	MI	MI
Endrin	<0.057	0.25 ug	MI	MI	0.25 ug	MI	MI
DDT	0.43	0.25 ug	MS	MI	0.25 ug	MI	MI

METHOD BLANK SUMMARY

LABORATORY NAME: Princeton Testing
 LAB SAMPLE ID No: 1415-Blank
 SAMPLE MATRIX: Soil

CASE NUMBER: _____
 CONTRACT No: 9401415
 FRACTION: SO

LIST BELOW ALL ASSOCIATED SAMPLES

Field ID No.	Laboratory ID No.	Analysis Date	Analysis Time
#16 Field Blank	9401415-001	4/8/94	6:07 AM
#1 Pile	9401415-001 X100	4/8/94	6:50 AM
#4 UST 192486-24	9401415-004 X100	4/8/94	7:33 AM
#5 UST 192486-24	9401415-005 X50	4/8/94	8:16 AM
#6 UST 192486-24	9401415-006 X100	4/8/94	8:59 AM
#12 UST 192486-32	9401415-009 X50	4/8/94	9:42 AM
#15 Duplicate	9401415-010 X100	4/8/94	10:26 AM
#1 Pile	9401415-001 X10	4/8/94	11:09 AM
#2 Pile	9401415-002 X10	4/8/94	11:52 AM
#13 UST 192486-24	9401415-003 X10	4/8/94	12:35 PM
#4 UST 192486-24	9401415-004 X10	4/8/94	1:18 PM
#5 UST 192486-24	9401415-005 X10	4/8/94	2:01 PM
#6 UST 192486-24	9401415-006 X10	4/8/94	2:44 PM
#8 UST 192486-33	9401415-007 X10	4/8/94	3:27 PM
#9 UST 192486-33	9401415-008 X10	4/8/94	4:10 PM
#12 UST 192486-32	9401415-009 X10	4/8/94	4:53 PM
#15 Duplicate	9401415-010 X10	4/8/94	5:37 PM
#1 Pile	9401415-001MS X10	4/8/94	8:29 PM
#1 Pile	9401415-001MSD X10	4/8/94	9:12 PM

SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

Blank 04/10/94

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-BSAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 1DATA RELEASE AUTHORIZED BY: Jan 7 JanPERCENT MOISTURE: (Not Decanted) CONCENTRATION:

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94GPC CLEAN UP: pH:

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.01
319-84-6	alpha-BHC	<m.d.l.	.01
319-85-7	beta-BHC	<m.d.l.	.01
319-86-8	delta-BHC	<m.d.l.	.01
58-89-9	gamma-BHC	<m.d.l.	.01
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	<m.d.l.	.03
60-57-1	Dieldrin	<m.d.l.	.01
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.01
1031-07-8	Endosulfan Sulfate	<m.d.l.	.01
72-20-8	Endrin	<m.d.l.	.01
7421-36-3	Endrin Aldehyde	<m.d.l.	.03
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.01
1024-57-3	Heptachlor Epoxide	<m.d.l.	.01
72-43-5	Methoxychlor	<m.d.l.	.06
72-54-8	4,4'-DDD	<m.d.l.	.01
72-55-9	4,4'-DDE	<m.d.l.	.01
50-29-3	4,4'-DDT	<m.d.l.	.01

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	.1
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dactal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs or Wg 60.2359g Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Software Version: 3.1 (2A23)

Sample Name : 1415-blank

Time : 4/8/94 05:53 AM

Sample Number: 18

Study : pest/pcb

Operator :

Instrument : VARIAN 3400 FID

Channel : A

A/D mV Range : 1000

AutoSampler : NONF

Rack/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 05:24 AM

Delay Time : 0.00 min

End Time : 29.00 min

Sampling Rate : 1.0000 prs/sec

Raw Data File : d:\3400\A408018.raw

Result File : d:\3400\A408018.rst

Instrument File: d:\2700\methdan\qtmpesa.ios

Process File : d:\2700\methdan\qtmpesa.pro

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\0408d01.seq

Inj. Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Noise Threshold: 500

Area Threshold : 500

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions

Total Number of Peaks Detected: 23

PESTICIDE/PCB REPORT

Peak	Component Name	Time [min]	Area [uvsec]	Height [uv]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.669	15615.00	3547.31	15615	0.0	0.0	0.0
2		3.241	7234.99	1726.73	7235	0.0	0.0	0.0
3		3.866	5760.00	1434.64	5760	0.0	0.0	0.0
4		4.191	241311.00	37056.66	241311	0.0	0.2	0.2
5		5.169	11030.50	2565.15	11031	0.0	0.0	0.0
6	C810 A-BHC	6.927	1653612.00	420366.38	1653612	2.0	2.0	2.0
7		8.139	21560.00	5746.09	21560	0.0	0.0	0.0
8		10.937	11145.00	2831.22	11145	0.0	0.0	0.0
9		11.226	8397.00	2202.25	8397	0.0	0.0	0.0
10	C835 ALDRIN	11.378	15787.47	4213.93	15788	0.5	0.5	0.5
11		11.493	12171.53	2575.37	12172	0.0	0.0	0.0
12		11.731	9356.00	2751.85	9356	0.0	0.0	0.0
13	C910 G-CHLORDANE	13.445	9354.01	2199.42	9354	1.5	1.5	1.5
14	C855 DDE	14.836	6018.00	1728.61	6018	1.6	1.6	1.6
15	C860 ENDRIIN	15.325	9050.00	2152.04	9050	2.4	2.4	2.4
16	C870 DDD	16.125	4822.00	1359.34	4822	1.2	1.2	1.2
17		17.802	37344.00	8052.22	37344	0.0	0.0	0.0
18	C895 ENDRIIN KETONE	18.785	19391.00	4833.98	19391	3.4	3.4	3.4
19	C890 METHOXYCHLOR	19.264	68704.00	16809.51	68704	0.3	0.3	0.3
20		19.945	45039.00	9462.05	45039	0.0	0.1	0.1
21	D8C (SUHR)	20.528	3170216.00	792647.75	3170216	5.0	5.0	5.0
22		21.299	90816.98	23010.09	90817	0.0	0.1	0.1
23	DC8P (SUHR)	25.411	813181.00	140185.03	813181	5.7	5.7	5.7

6286916.50 1.48e6 6286917 23.3 23.9 23.9

1415-blank

Sample #: 18

Page 1 of 1

d:\3400\1408018.raw

Date : 4/8/94 05:53 AM

0.00 min

End Time : 29.00 min

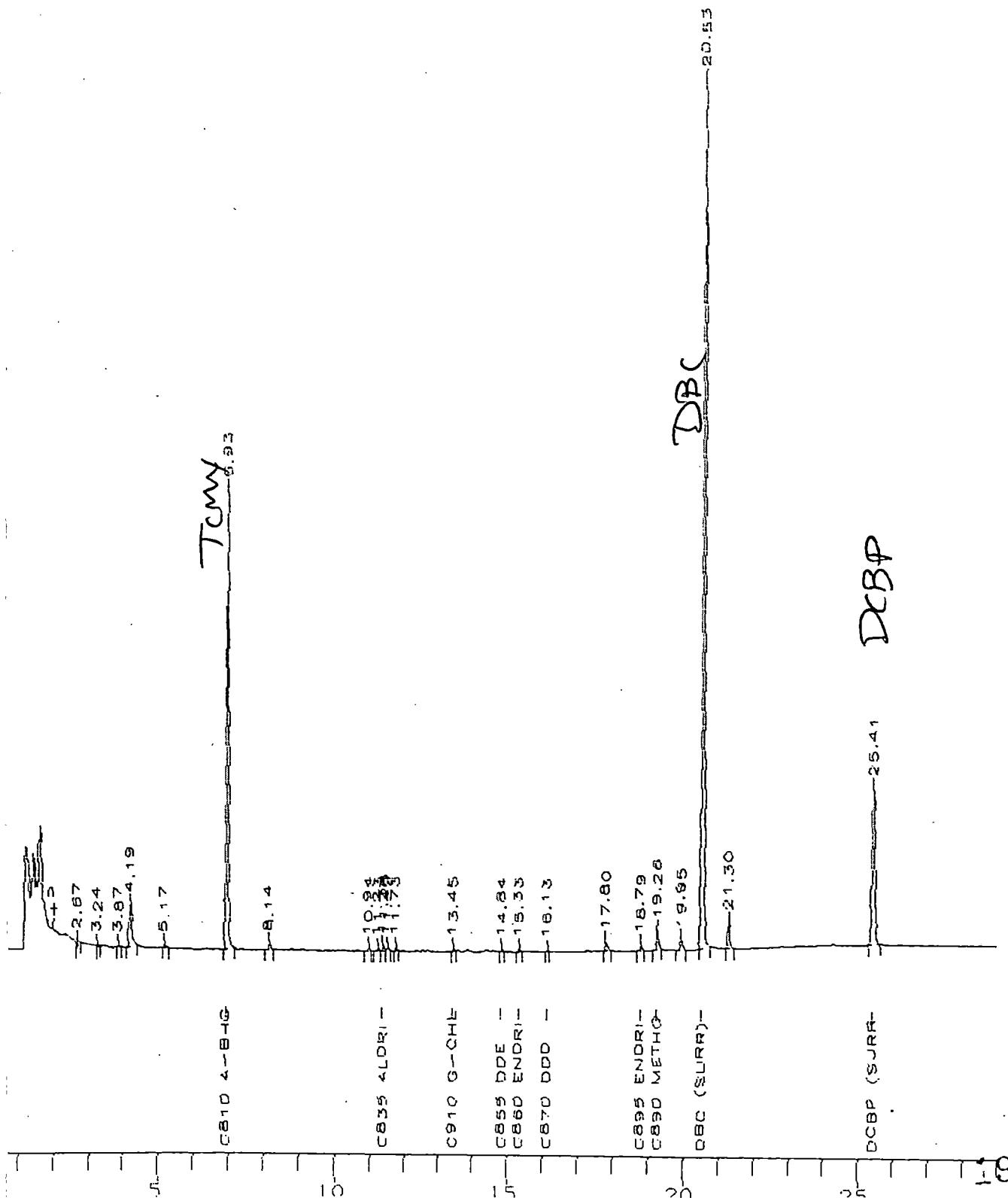
Low Point : -44.89 mV

High Point : 955.11

for: -1

Plot Offset: -45 mV

Plot Scale: 1000 mV



SAMPLE DATA PKG

Software Version: 3.1 <2A23>

Sample Name : 1415-001x100

Time : 4/8/94 07:20 AM

Sample Number: 20

1425.1

Study : pest/pcb

Operator :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 06:50 AM

Delay Time : 0.00 min.

End Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\408020.raw

Result File : d:\3400\408020.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesa.prc

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\0408do.seq

Inj. Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Noise Threshold: 500

Area Threshold : 500

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 40

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PESTICIDE/PCB REPORT

Peak	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.063	135900.00	44512.61	135900	0.0	0.1	0.1
		2.299	43598.02	9575.19	43598	0.0	0.0	0.0
		2.525	83581.00	16794.18	83581	0.0	0.1	0.1
4		3.095	5515.99	1311.38	5516	0.0	0.0	0.0
		3.423	13805.71	2204.99	13806	0.0	0.0	0.0
		3.523	19472.31	4233.73	19472	0.0	0.0	0.0
7		3.981	54521.50	11497.61	54522	0.0	0.1	0.1
		4.098	14159.00	3978.13	14159	0.0	0.0	0.0
		4.218	265694.50	39846.61	265695	0.0	0.3	0.3
10		5.199	14928.01	2601.24	14928	0.0	0.0	0.0
11		6.965	14492.19	3236.17	14492	0.0	0.0	0.0
	C810 A-BHC	7.107	45336.81	11495.30	45337	1.2	1.2	1.2
		9.953	10589.50	2926.18	10590	0.0	0.0	0.0
14		11.015	14637.50	4225.07	14638	0.0	0.0	0.0
	C835 ALDRIN	11.414	13488.18	3674.19	13488	0.5	0.5	0.5
		11.530	23739.33	5879.09	23739	0.0	0.0	0.0
17		11.775	4530.00	1376.34	4530	0.0	0.0	0.0
		11.937	8360.00	1921.17	8360	0.0	0.0	0.0
		12.369	6975.50	1871.54	6976	0.0	0.0	0.0
20	C840 HEPTACHLOR EPOX	12.573	5127.00	1332.43	5127	0.9	0.9	0.9
21		12.714	4493.00	1300.25	4493	0.0	0.0	0.0
		13.172	19951.00	3070.08	19951	0.0	0.0	0.0
	C910 G-CHLORDANE	13.482	14480.96	2603.59	14481	1.5	1.5	1.5
24	C845 ENDO 1	13.876	16891.00	2586.90	16891	1.6	1.6	1.6
		14.223	6282.50	1797.17	6283	0.0	0.0	0.0
	C950 DIELDRIN	14.618	9629.00	1819.16	9629	1.8	1.8	1.8

SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.1

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-001SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATA RELEASE AUTHORIZED BY: [Signature]PERCENT MOISTURE: (Not Decanted) 12

CONCENTRATION: _____

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56

CONTRACT No.: _____

DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13/94DATE ANALYZED: 04/10/94

GPC CLEAN UP: _____ pH: _____

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.06
319-84-6	alpha-BHC	<m.d.l.	.06
319-85-7	beta-BHC	<m.d.l.	.06
319-86-8	delta-BHC	<m.d.l.	.06
58-89-9	gamma-BHC	<m.d.l.	.06
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	1.08	.34
60-57-1	Dieldrin	<m.d.l.	.06
949-98-8	Endosulfan I	<m.d.l.	.06
33213-65-9	Endosulfan II	<m.d.l.	.11
1031-07-8	Endosulfan Sulfate	<m.d.l.	.11
72-20-8	Endrin	<m.d.l.	.06
7421-36-3	Endrin Aldehyde	<m.d.l.	.28
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.06
1024-57-3	Heptachlor Epoxide	<m.d.l.	.06
72-43-5	Methoxychlor	<m.d.l.	.62
72-54-8	4,4'-DDD	0.90	.11
72-55-8	4,4'-DDE	0.18	.06
50-29-3	4,4'-DDT	0.43	.11

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.1
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 53.6 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

28		13.063	70316.00	18937.33	70316	0.0	0.1	0.1
29		15.201	39653.20	9278.06	39653	0.0	0.0	0.0
	C860 ENDRIN	15.360	98405.80	25167.15	98406	2.5	2.5	2.5
	C870 DDD	16.163	210717.81	50648.81	210718	1.6	1.6	1.6
32	C900 ENDRIN ALDEHYDE	16.389	457777.19	127620.80	457777	2.4	2.4	2.4
33		16.841	139449.50	35065.58	139450	0.0	0.1	0.1
	C885 DDT	17.426	6759.23	1709.52	6759	3.4	3.4	3.4
34		17.553	24896.27	6435.65	24896	0.0	0.0	0.0
36		17.832	901823.94	204325.09	901824	0.0	0.9	0.9
	C895 ENDRIN KETONE	18.742	416846.50	104861.65	416847	4.1	4.1	4.1
	C890 METHOXYCHLOR	19.513	38181.00	9091.67	38181	0.2	0.2	0.2
39	DBC (SURR)	20.566	59190.00	14385.36	59190	-0.2	-0.2	-0.2
40	DCBP (SURR)	25.467	13051.02	2476.04	13051	0.1	0.1	0.1

		3461313.00	825798.94	3461313	23.0	25.0	25.0
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VARIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 10um FILM DETECTOR=300C INJECTOR=250C

=====

Sample Name : 1415-001x100

FileName : d:\3400\408020.raw

Start Time : 0.00 min

Scale Factor: -1

End Time : 29.00 min

Plot Offset: -45 mV

Sample #: 20

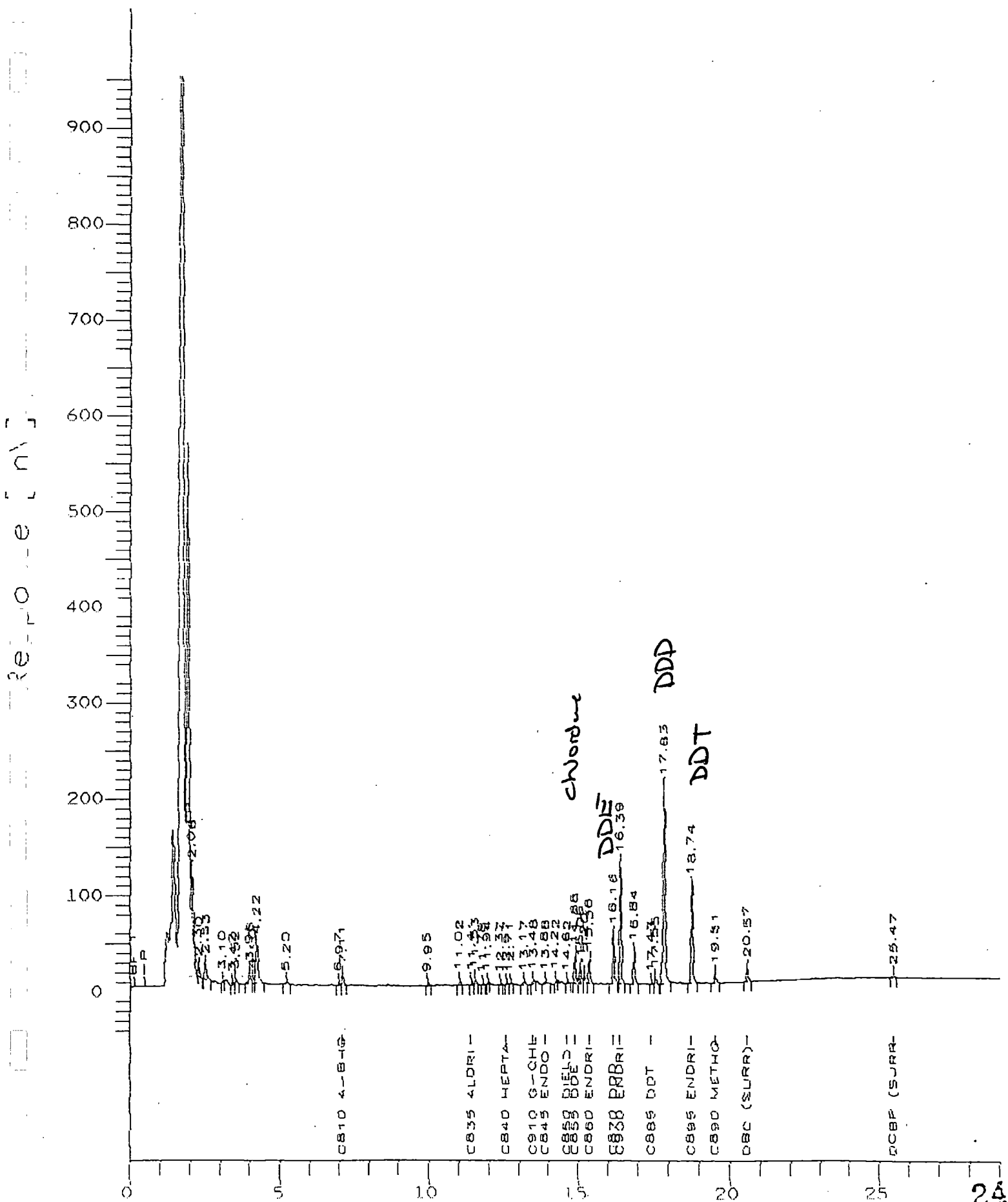
Date : 4/8/94 07:20 AM

Low Point : -44.67 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.33



Sample Name : 1415-001x10
Sample Number: 26
Operator :

Time : 4/8/94 11:38 AM
Study : pest/pcb

Instrument : VARIAN 3400 ECD Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial #: 0122572086 Data Acquisition Time: 4/8/94 11:09 AM
Delay Time : 0.00 min.
End Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\408026.raw
Result File : d:\3400\408026.rst
Instrument File: d:\2700\methdan\qtmpesa.ins
Process File : d:\2700\methdan\qtmpesa.prc
Sample File : d:\2700\methdan\qtmpesa.smp
Sequence File : d:\3400\0408do.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

Noise Threshold: 500 Area Threshold : 500 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 88

PESTICIDE/PCB REPORT

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.286	124800.31	35101.02	124800	0.0	0.1	0.1
2		2.525	934720.06	157120.41	934720	0.0	0.9	0.9
		2.817	121739.00	24410.59	121739	0.0	0.1	0.1
		3.088	156751.41	30264.97	156751	0.0	0.2	0.2
5		3.183	151943.19	27471.56	151943	0.0	0.2	0.2
		3.517	276962.00	51087.91	276962	0.0	0.3	0.3
		3.872	150978.81	25047.46	150979	0.0	0.2	0.2
8		3.973	629817.75	126005.66	629818	0.0	0.6	0.6
9		4.088	245915.22	54056.60	245915	0.0	0.3	0.3
		4.214	673236.50	87679.47	673237	0.0	0.7	0.7
		4.647	21594.17	4334.39	21594	0.0	0.0	0.0
12		4.983	123190.03	31187.30	123190	0.0	0.1	0.1
		5.353	30801.47	7045.58	30802	0.0	0.0	0.0
		5.558	43855.13	8395.89	43855	0.0	0.0	0.0
15		5.769	89403.88	12004.75	89404	0.0	0.1	0.1
		6.034	8609.09	1733.49	8609	0.0	0.0	0.0
	TCMX (SURR)	6.134	60830.88	11244.73	60831	-1.1e3	-1.1e3	-1.1e3
18		6.601	30397.00	4442.32	30397	0.0	0.0	0.0
19		6.952	115758.50	28319.54	115759	0.0	0.1	0.1
	C810 A-BHC	7.097	312080.50	81183.19	312081	1.3	1.3	1.3
		7.360	41114.09	8004.48	41114	0.0	0.0	0.0
22		7.487	3770207.75	969124.63	3770208	0.0	3.8	3.8
	C825 LINDANE	8.267	50020.13	13238.83	50020	0.9	0.9	0.9
		8.355	35018.88	6925.04	35019	0.0	0.0	0.0
25		8.603	48526.00	13777.44	48526	0.0	0.1	0.1
	C820 D-BHC	8.831	34596.00	9217.25	34596	1.3	1.3	1.3
		9.351	32908.59	3489.77	32909	0.0	0.0	0.0

30		9.945	147700.59	32626.41	147701	0.0	0.2	0.2
31		10.240	66364.38	14340.75	66364	0.0	0.1	0.1
32	C830 HEPTACHLOR	10.485	43333.09	9163.69	43333	0.0	0.0	0.0
33		11.007	146907.97	40965.27	146908	0.0	0.2	0.2
34		11.396	27194.80	7033.22	27195	0.0	0.0	0.0
35	C835 ALDRIN	11.523	205329.00	41483.88	205329	0.6	0.6	0.6
36		11.767	57102.69	15489.73	57103	0.0	0.1	0.1
37		11.924	161668.78	29273.87	161669	0.0	0.2	0.2
38		12.247	18258.70	4186.59	18259	0.0	0.0	0.0
39		12.358	20985.81	5150.53	20986	0.0	0.0	0.0
40		12.604	31977.81	5392.27	31978	0.0	0.0	0.0
41	C840 HEPTACHLOR EPOX	12.729	15288.00	3338.17	15288	0.9	0.9	0.9
42		13.166	182363.00	28394.99	182363	0.0	0.2	0.2
43		13.424	98783.00	19640.86	98783	0.0	0.1	0.1
44		13.558	81525.00	20654.83	81525	0.0	0.1	0.1
45	C910 G-CHLORDANE	13.813	79427.16	11884.43	79427	1.5	1.5	1.5
46		13.936	20610.44	7268.30	20610	0.0	0.0	0.0
47	C845 ENDO 1	13.997	48133.05	9642.60	48133	1.6	1.6	1.6
48	C905 A-CHLORDANE	14.214	181622.28	40930.04	181622	2.2	2.2	2.2
49		14.280	139305.86	37472.06	139306	0.0	0.1	0.1
50		14.386	70456.77	13137.32	70457	0.0	0.1	0.1
51		14.633	124477.84	18671.88	124478	0.0	0.1	0.1
52		14.744	93812.31	19371.61	93812	0.0	0.1	0.1
53	C850 DIELDRIN	14.870	1271887.50	332148.38	1271888	3.0	3.0	3.0
54	C855 DDE	15.055	743038.69	166849.03	743039	2.2	2.2	2.2
55		15.193	420945.25	95786.79	420945	0.0	0.4	0.4
56		15.351	988593.81	249979.05	988594	0.0	1.0	1.0
57		15.556	73631.00	15246.94	73631	0.0	0.1	0.1
58	C860 ENDRIN	15.713	117136.84	17658.12	117137	2.5	2.5	2.5
59	C865 ENDO 2	15.934	93044.06	14299.27	93044	2.2	2.2	2.2
60		16.153	2516766.75	666359.50	2516767	0.0	2.5	2.5
61	C870 DDD	16.358	5181711.00	1.03e6	5181711	10.1	10.1	10.1
62	C900 ENDRIN ALDEHYDE	16.832	1438587.00	404674.44	1438587	4.6	4.6	4.6
63		17.176	15283.23	3543.30	15283	0.0	0.0	0.0
64		17.253	14446.20	4732.01	14446	0.0	0.0	0.0
65	C875 ENDOSULFATE	17.416	72407.56	18861.57	72408	5.4	5.4	5.4
66	C885 DDT	17.545	223352.45	57162.55	223353	3.9	3.9	3.9
67		17.808	6468719.50	975302.75	6468720	0.0	6.5	6.5
68		18.090	64389.00	8291.40	64389	0.0	0.1	0.1
69		18.233	17844.00	4910.32	17844	0.0	0.0	0.0
70		18.327	65342.81	15011.61	65343	0.0	0.1	0.1
71		18.725	4407780.00	1.02e6	4407780	0.0	4.4	4.4
72	C895 ENDRIN KETONE	18.928	38943.16	10052.06	38943	3.4	3.4	3.4
73		19.498	381483.00	95097.95	381483	0.0	0.4	0.4
74	C890 METHOXYCHLOR	19.781	22056.02	5185.56	22056	0.1	0.1	0.1
75		19.906	13505.02	3106.18	13505	0.0	0.0	0.0
76		20.176	11930.52	1835.36	11931	0.0	0.0	0.0
77		20.438	49621.00	12516.53	49621	0.0	0.1	0.1
78		20.555	144638.50	36331.48	144639	0.0	0.1	0.1
79		20.710	9611.00	2165.97	9611	0.0	0.0	0.0
80	DBC (SURR)	20.915	32874.00	8201.62	32874	-0.2	-0.2	-0.2
81		21.003	17255.00	5117.52	17255	0.0	0.0	0.0
82		21.527	41114.00	3226.92	41114	0.0	0.0	0.0
83		21.686	10808.00	2833.15	10808	0.0	0.0	0.0
84		21.882	10127.03	2243.70	10127	0.0	0.0	0.0
85		22.978	38753.00	4771.64	38753	0.0	0.0	0.0
86		23.570	26626.94	5872.90	26627	0.0	0.0	0.0
87		24.509	10046.97	2019.02	10047	0.0	0.0	0.0
88	DCRP (SURR)	25.439	40902.50	7914.95	40903	0.3	0.3	0.3

35665908.00 7.61e6 35665908 -1.1e3 -1.0e3 -1.0e3

100-100000

FileName : d:\3400\2406026.raw

Date : 4/6/94 11:39 AM

Start Time : 0.00 min

Low Point : -45.40 mV

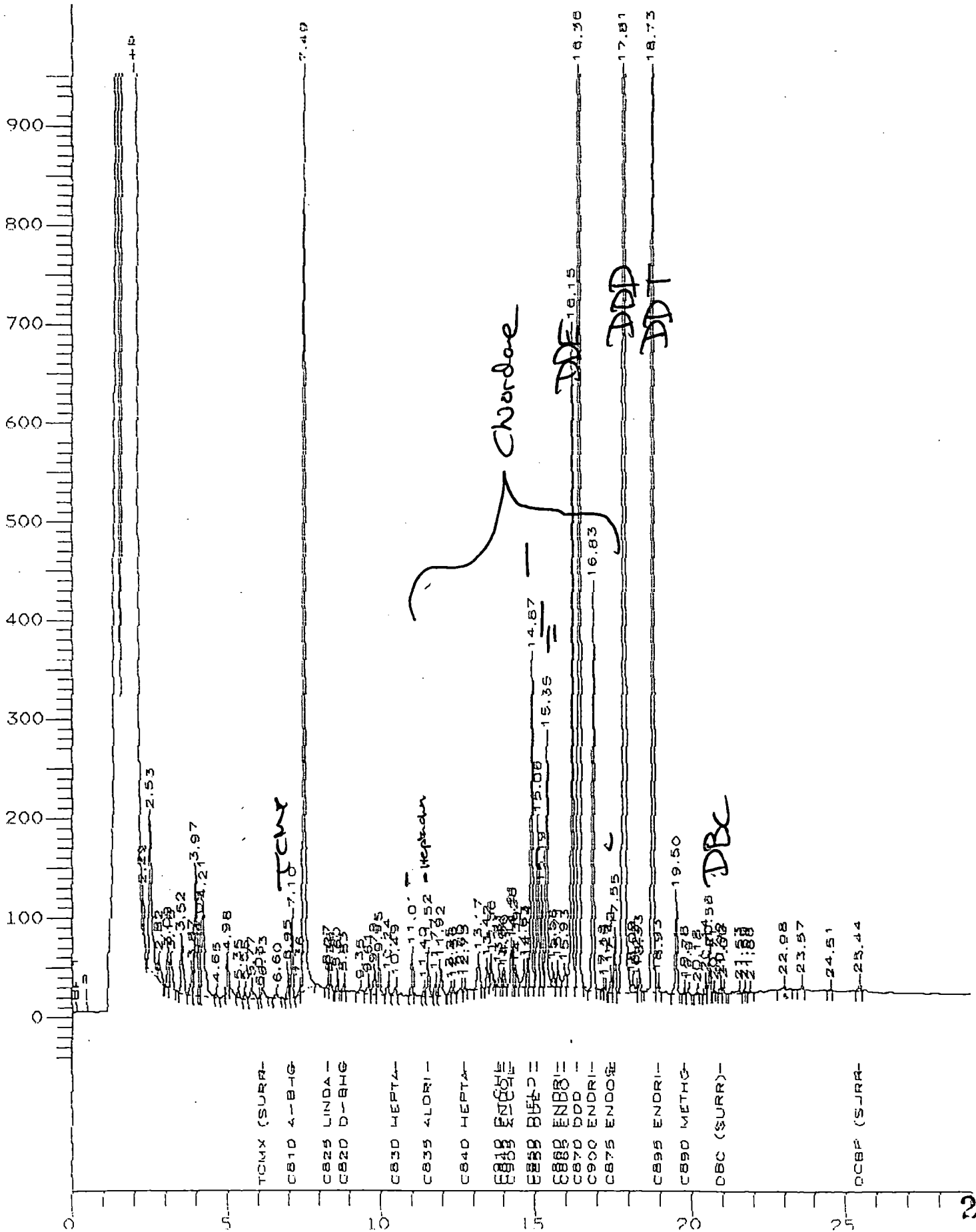
High Point : 954.60

Scale Factor: -1

End Time : 29.00 min

Plot Scale: 1000 mV

Plot Offset: -45 mV



Software Version: 3.1 <2A23>

Sample Name : 1415-001x10

Sample Number: 26

Operator :

Time : 4/6/94 10:07 AM

Study :

Confirmatory Analysis

Channel : B

A/D mV Range : 1000

Instrument : VARIAN 3400 ECD

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 05:06 AM

Delay Time : 0.00 min.

End Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406026.raw

Result File : d:\3400\b406026.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesb.prc

Sample File : d:\2700\methdan\qtmpesb.smp

Sequence File : D:\3400\040600.seq

Inj. Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Noise Threshold: 100

Area Threshold : 100

Bunch Factor: 1

Mltiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 137

PESTICIDE/PCB REPORT

Peak	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.082	476981.56	122636.02	476982	0.0	0.5	0.5
		2.303	6269646.50	730999.50	6269647	0.0	6.3	6.3
		2.425	21871478.00	1.06e6	21871478	0.0	21.9	21.9
4		2.957	1226801.00	148439.55	1226801	0.0	1.2	1.2
		3.117	201722.78	36840.87	201723	0.0	0.2	0.2
		3.391	337475.31	34073.60	337475	0.0	0.3	0.3
7		3.721	378070.44	59681.14	378070	0.0	0.4	0.4
9		3.972	71640.27	11402.57	71640	0.0	0.1	0.1
		4.137	16801.85	4616.60	16802	0.0	0.0	0.0
10		4.296	304146.44	66920.12	304146	0.0	0.3	0.3
11		4.396	248218.09	51584.69	248218	0.0	0.3	0.3
		4.669	10951.39	2458.74	10951	0.0	0.0	0.0
		4.850	3387.02	1105.35	3387	0.0	0.0	0.0
14		4.963	1347.00	632.26	1347	0.0	0.0	0.0
		5.126	12475.96	2609.91	12476	0.0	0.0	0.0
		5.211	3154.00	946.49	3154	0.0	0.0	0.0
17		5.416	2571746.00	649942.00	2571746	0.0	2.6	2.6
18		6.036	14881.00	3616.46	14881	0.0	0.0	0.0
		6.143	197849.00	48615.96	197849	0.0	0.2	0.2
		6.332	9409.00	1715.54	9409	0.0	0.0	0.0
21		6.598	104981.50	22025.87	104982	0.0	0.1	0.1
		6.741	5405.00	1386.57	5405	0.0	0.0	0.0
		6.846	18694.50	4521.24	18695	0.0	0.0	0.0
24		6.948	13568.00	4144.99	13568	0.0	0.0	0.0
	TCMX (SURR)	7.193	46076.99	8924.59	46077	-1.3	-1.3	-1.3
		7.572	4600.01	1131.32	4600	0.0	0.0	0.0

29		7.878	23860.22	5401.62	23860	0.0	0.0	0.0
		7.998	7379.13	1782.47	7379	0.0	0.0	0.0
		8.101	57332.89	8722.79	57333	0.0	0.1	0.1
32	C810 A-BHC	8.299	80381.97	15657.38	80382	0.6	0.6	0.6
33		8.461	13314.45	3518.34	13314	0.0	0.0	0.0
		8.570	61706.41	12156.61	61706	0.0	0.1	0.1
35		8.735	1591135.25	377335.44	1591135	0.0	1.6	1.6
36		8.896	108553.00	23911.92	108553	0.0	0.1	0.1
	C815 B-BHC	9.108	39134.44	7568.01	39134	0.7	0.7	0.7
		9.240	15207.03	3094.66	15207	0.0	0.0	0.0
39	C825 LINDANE	9.415	39088.61	6806.39	39089	0.8	0.8	0.8
		9.522	15276.71	2487.74	15277	0.0	0.0	0.0
		9.798	120688.83	30933.27	120689	0.0	0.1	0.1
42		9.947	15776.87	3381.65	15777	0.0	0.0	0.0
43	C820 D-BHC	10.065	25436.30	4089.23	25436	0.9	0.9	0.9
		10.334	99527.19	22026.32	99527	0.0	0.1	0.1
45		10.501	93703.17	23749.32	93703	0.0	0.1	0.1
46		10.645	18781.31	5683.66	18781	0.0	0.0	0.0
		10.798	1178.00	359.95	1178	0.0	0.0	0.0
		10.872	2873.49	1001.97	2874	0.0	0.0	0.0
49		10.954	1667.49	543.56	1668	0.0	0.0	0.0
		11.179	20242.00	4787.24	20242	0.0	0.0	0.0
		11.302	36028.17	11207.64	36028	0.0	0.0	0.0
52		11.538	79828.27	10736.53	79828	0.0	0.1	0.1
53	C830 HEPTACHLOR	11.653	20632.44	5529.27	20632	0.5	0.5	0.5
		11.791	113439.86	17698.46	113440	0.0	0.1	0.1
		11.925	61079.27	13429.95	61079	0.0	0.1	0.1
56		12.125	7817024.00	1.04e6	7817024	0.0	7.8	7.8
		12.411	181612.00	31552.94	181612	0.0	0.2	0.2
	C835 ALDRIN	12.627	39506.00	5517.53	39506	0.1	0.1	0.1
59		12.819	30772.31	5612.88	30772	0.0	0.0	0.0
		12.935	105296.45	23250.20	105297	0.0	0.1	0.1
		13.089	659379.00	167451.47	659379	0.0	0.7	0.7
62		13.272	158884.28	40886.81	158884	0.0	0.2	0.2
63		13.524	484332.94	125260.60	484333	0.0	0.5	0.5
		13.681	367239.63	89520.65	367240	0.0	0.4	0.4
		13.787	28902.00	8798.92	28902	0.0	0.0	0.0
66	C840 HEPTACHLOR EPOX	13.991	8374.09	2447.60	8374	0.5	0.5	0.5
		14.169	1058314.25	268462.78	1058314	0.0	1.1	1.1
		14.399	733330.44	187094.78	733330	0.0	0.7	0.7
69	C910 G-CHLORDANE	14.580	15761.00	4300.35	15761	0.8	0.8	0.8
		14.714	39837.16	6847.89	39837	0.0	0.0	0.0
	C845 ENDO 1	14.923	48907.56	10072.26	48908	0.6	0.6	0.6
72	C905 A-CHLORDANE	15.052	25739.50	4515.38	25740	1.2	1.2	1.2
73		15.191	13834.17	3826.38	13834	0.0	0.0	0.0
		15.349	3834022.25	928566.69	3834022	0.0	3.8	3.8
		15.449	357088.00	106132.13	357088	0.0	0.4	0.4
76		15.665	21832.45	4672.61	21833	0.0	0.0	0.0
	C850 DIELDRIN	15.770	10711.19	2893.63	10711	0.3	0.3	0.3
	C855 DDE	15.969	36282.25	6417.25	36282	1.1	1.1	1.1
79		16.235	23167.78	3668.40	23168	0.0	0.0	0.0
80	C860 ENDRIN	16.422	1951805.88	493918.44	1951806	6.6	6.6	6.6
	C865 ENDO 2	16.700	202536.36	47918.93	202536	1.3	1.3	1.3
		16.844	16032.00	3505.22	16032	0.0	0.0	0.0
83	C870 DDD	17.023	9167.50	2506.56	9168	1.7	1.7	1.7
	C900 ENDRIN ALDEHYDE	17.177	9076.64	2107.88	9077	0.5	0.5	0.5
		17.309	16350.88	2169.30	16351	0.0	0.0	0.0
86		17.468	9252.00	2244.76	9252	0.0	0.0	0.0
		17.671	11230.17	1435.82	11230	0.0	0.0	0.0
		17.773	6796.25	969.52	6796	0.0	0.0	0.0
89	C875 ENDOSULFATE	17.973	11716.23	3179.41	11716	2.4	2.4	2.4
		18.077	9378.77	2478.96	9379	0.0	0.0	0.0
	C885 DOT	18.152	4583.23	1242.26	4583	1.4	1.4	1.4
		18.270	7549.77	799.27	7549	0.0	0.0	0.0

95		18.678	10178.81	1543.70	10179	0.0	0.0	0.0
		18.921	17270.25	2560.17	17270	0.0	0.0	0.0
		19.060	89858.78	17912.93	89859	0.0	0.1	0.1
98	C895 ENDRIK KETONE	19.243	4160.00	934.11	4160	2.3	2.3	2.3
		19.519	22390.25	2442.89	22390	0.0	0.0	0.0
1	C890 METHOXYCHLOR	19.659	7116.34	1604.36	7116	1.3	1.3	1.3
101		20.046	29629.75	4937.44	29630	0.0	0.0	0.0
102		20.224	6861.34	815.09	6861	0.0	0.0	0.0
1		20.539	12657.44	440.21	12657	0.0	0.0	0.0
1		20.639	2425.84	736.53	2426	0.0	0.0	0.0
105	DBC (SURR)	20.823	6312.63	425.04	6313	-3.2	-3.2	-3.2
1		21.132	8963.81	955.56	8964	0.0	0.0	0.0
1		21.246	11830.16	2661.25	11830	0.0	0.0	0.0
108		21.840	25943.75	2006.74	25944	0.0	0.0	0.0
1		22.114	31553.56	2780.99	31554	0.0	0.0	0.0
1		22.218	10879.34	1935.91	10879	0.0	0.0	0.0
1		22.523	58371.25	4121.67	58371	0.0	0.1	0.1
112		22.678	34833.94	3707.04	34834	0.0	0.0	0.0
1		22.852	47387.44	6885.43	47387	0.0	0.1	0.1
1		23.181	22121.63	2130.91	22122	0.0	0.0	0.0
115		23.293	4397.53	1569.62	4398	0.0	0.0	0.0
1		23.644	42707.38	4965.22	42707	0.0	0.0	0.0
1		23.805	181458.75	15928.89	181459	0.0	0.2	0.2
118		24.324	11214.94	1352.57	11215	0.0	0.0	0.0
1	DCBP (SURR)	24.790	8378.25	2098.19	8378	-6.2	-6.2	-6.2
1		24.922	11322.81	1666.50	11323	0.0	0.0	0.0
1		25.099	7352.50	1687.19	7353	0.0	0.0	0.0
122		25.534	2226.78	776.30	2227	0.0	0.0	0.0
1		25.697	9457.75	1363.56	9458	0.0	0.0	0.0
1		25.999	2151.38	477.08	2151	0.0	0.0	0.0
125		26.175	7432.56	1949.96	7433	0.0	0.0	0.0
1		26.533	4263.00	780.65	4263	0.0	0.0	0.0
1		26.999	1521.22	789.78	1521	0.0	0.0	0.0
128		27.065	1606.78	612.02	1607	0.0	0.0	0.0
129		27.186	2451.50	695.32	2452	0.0	0.0	0.0
1		27.526	6569.00	965.36	6569	0.0	0.0	0.0
1		27.683	646.50	304.27	647	0.0	0.0	0.0
132		27.785	3466.00	875.80	3466	0.0	0.0	0.0
1		28.139	11471.00	1646.52	11471	0.0	0.0	0.0
1		28.250	249074.00	-62268.50	249074	0.0	0.3	0.3
135		28.394	1657.00	1149.82	1657	0.0	0.0	0.0
1		28.561	3090.00	1293.87	3090	0.0	0.0	0.0
1		28.749	1417.00	747.85	1417	0.0	0.0	0.0

56643176.00 7.41e6 56643176 14.7 68.7 68.7

VARIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
1.0um FILM DETECTOR=300C INJECTOR=250C

Sample Name : 1415-001x10

FileName : d:\3400\b406026.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset: -7 mV

Sample #: 26

Date : 4/6/94 10:07 AM

Low Point : -6.47 mV

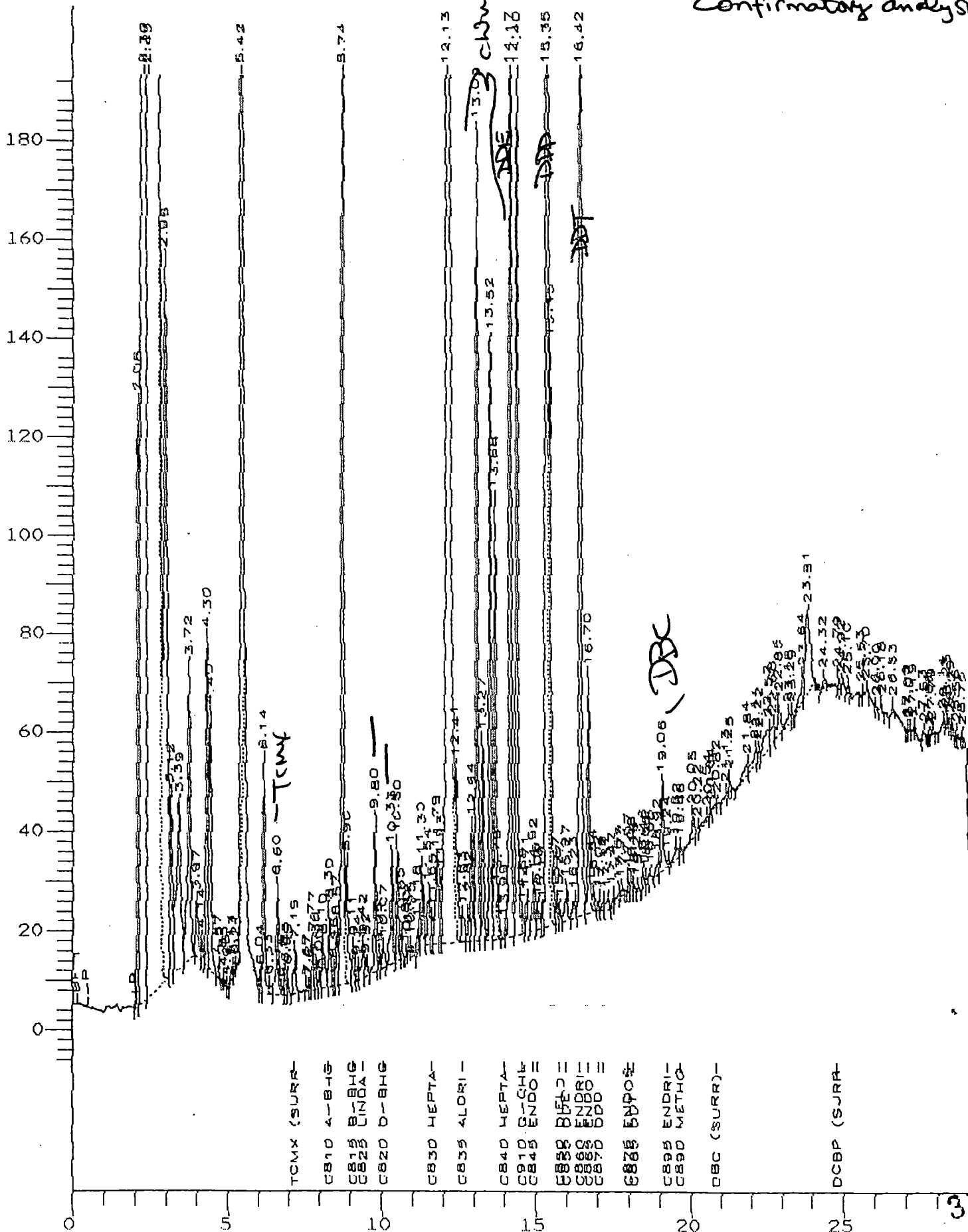
Plot Scale: 200 mV

Page 1 of 1

High Point : 193.53

Confirmatory analysis

Retention [min]



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.2

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-002SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATA RELEASE AUTHORIZED BY: [Signature]PERCENT MOISTURE: (Not Decanted) 9CONCENTRATION: 9

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94GPC CLEAN UP: pH:

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.05
319-84-6	alpha-BHC	<m.d.l.	.05
319-85-7	beta-BHC	<m.d.l.	.05
319-86-8	delta-BHC	<m.d.l.	.05
58-89-9	gamma-BHC	<m.d.l.	.05
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	0.50	.33
60-57-1	Dieldrin	<m.d.l.	.05
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.11
1031-07-8	Endosulfan Sulfate	<m.d.l.	.11
72-20-8	Endrin	<m.d.l.	.05
7421-36-3	Endrin Aldehyde	<m.d.l.	.27
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.05
1024-57-3	Heptachlor Epoxide	<m.d.l.	.05
72-43-5	Methoxychlor	<m.d.l.	.6
72-54-8	4,4'-DDD	0.13	.11
72-55-9	4,4'-DDE	<m.d.l.	.05
50-29-3	4,4'-DDT	0.04J	.11

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.1
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 52.2 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

```

=====
Software Version: 3.1 <2A23>
Sample Name   : 1415-002x10
Sample Number: 27
Operator      :
Time          : 4/8/94 12:21 PM
Study        : pest/pcb
1425.2

```

```

Instrument : VARIAN 3400 ECD
AutoSampler : NONE
Rock/Vial   : 0/0
Channel : A
A/D mV Range : 1000

```

```

Interface Serial # : 0122572086
Data Acquisition Time: 4/8/94 11:52 AM
Delay Time : 0.00 min.
End Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

```

```

Raw Data File : d:\3400\408027.raw
Result File : d:\3400\408027.rst
Instrument File: d:\2700\methdan\qtmpesa.ins
Process File : d:\2700\methdan\qtmpesa.prc
Sample File : d:\2700\methdan\qtmpesa.smp
Sequence File : d:\3400\0408do.seq

```

```

Injection Volume : 1 ul
Sample Amount : 1.0000
Area Reject : 100.00
Dilution Factor : 1.00

```

```

Noise Threshold: 500
Multiplier : 1.0000
Area Threshold : 500
Divisor : 1.0000
Bunch Factor: 1
Adder : 0.0000

```

Instrument Conditions:

Total Number of Peaks Detected: 87

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PESTICIDE/PCB REPORT

Peak	Component Name	Time	Area	Height	CALIBRATION	Adjusted	Raw	CONCENTRATION
		[min]	[uV*sec]	[uV]	FACTOR	Amount	Amount	(PPB)
		2.519	1909764.00	374106.69	1909764	0.0	1.9	1.9
		2.827	49678.00	13850.90	49678	0.0	0.1	0.1
3		3.082	308389.06	69492.05	308389	0.0	0.3	0.3
		3.291	194055.63	45188.45	194056	0.0	0.2	0.2
		3.507	533141.00	111877.62	533141	0.0	0.5	0.5
		3.966	1458612.50	354300.63	1458613	0.0	1.5	1.5
7		4.199	557689.00	117044.29	557689	0.0	0.6	0.6
		4.423	26687.00	5692.25	26687	0.0	0.0	0.0
		4.647	28030.03	6862.03	28030	0.0	0.0	0.0
10		4.973	81336.34	12253.11	81336	0.0	0.1	0.1
		5.090	180997.98	32388.81	180998	0.0	0.2	0.2
		5.204	196045.66	35607.16	196046	0.0	0.2	0.2
13		5.341	120514.28	23810.11	120514	0.0	0.1	0.1
14		5.548	110106.72	18096.22	110107	0.0	0.1	0.1
		5.770	68015.40	14862.21	68015	0.0	0.1	0.1
		5.866	118475.19	23204.66	118475	0.0	0.1	0.1
17	TCMX (SURR)	6.131	253405.78	34403.06	253406	-1.1e3	-1.1e3	-1.1e3
		6.301	22768.00	5893.72	22768	0.0	0.0	0.0
		6.599	152248.00	20853.51	152248	0.0	0.2	0.2
20		6.762	69843.50	15439.13	69844	0.0	0.1	0.1
		6.941	196953.39	30116.78	196953	0.0	0.2	0.2
	C810 A-BHC	7.090	577668.81	147276.78	577669	1.4	1.4	1.4
23		7.353	276355.69	58584.97	276356	0.0	0.3	0.3
24		7.488	229208.28	42376.48	229208	0.0	0.2	0.2
		7.759	13326.03	3536.31	13326	0.0	0.0	0.0
	C215 B-BHC	7.894	40935.48	6232.01	40936	1.7	1.7	1.7

28		8.238	81438.00	14874.72	81438	0.0	0.1	0.1
29		8.353	73425.00	14207.97	73425	0.0	0.1	0.1
		8.507	61337.00	14712.11	61337	0.0	0.1	0.1
	C820 D-BHC	8.703	43393.00	11178.25	43393	1.3	1.3	1.3
32		8.947	131150.86	34827.73	131151	0.0	0.1	0.1
		9.056	26305.07	7396.63	26305	0.0	0.0	0.0
		9.152	39671.08	10636.88	39671	0.0	0.0	0.0
35		9.342	22194.48	5022.49	22195	0.0	0.0	0.0
36		9.553	25195.22	6015.67	25195	0.0	0.0	0.0
		9.771	95230.97	13095.18	95231	0.0	0.1	0.1
38		10.032	39597.61	8828.33	39598	0.0	0.0	0.0
39		10.268	58903.20	9392.08	58903	0.0	0.1	0.1
	C830 HEPTACHLOR	10.473	126052.25	31793.52	126052	0.1	0.1	0.1
		10.813	9619.81	2136.77	9620	0.0	0.0	0.0
42		10.999	118570.53	19187.33	118571	0.0	0.1	0.1
		11.374	347090.78	78125.56	347091	0.0	0.4	0.4
	C835 ALDRIN	11.547	188289.88	33796.80	188290	0.6	0.6	0.6
45		11.971	330448.50	82364.36	330449	0.0	0.3	0.3
46		12.349	45318.89	9773.43	45319	0.0	0.1	0.1
		12.530	60121.59	6999.94	60122	0.0	0.1	0.1
48		12.728	56873.44	9275.10	56873	0.0	0.1	0.1
49	C840 HEPTACHLOR EPOX	12.898	31285.67	5130.07	31286	0.9	0.9	0.9
		13.159	99315.34	12962.72	99315	0.0	0.1	0.1
		13.285	37897.33	9340.61	37897	0.0	0.0	0.0
52		13.417	65084.00	11405.34	65084	0.0	0.1	0.1
	C910 G-CHLORDANE	13.544	620125.88	158381.22	620126	2.0	2.0	2.0
		13.837	49190.66	9350.93	49191	0.0	0.1	0.1
55	C845 ENDO 1	14.096	11406.00	2039.37	11406	1.6	1.6	1.6
56	C905 A-CHLORDANE	14.201	29032.50	9436.02	29033	2.0	2.0	2.0
		14.614	47525.55	8794.49	47526	0.0	0.1	0.1
58		14.733	44400.14	9608.40	44400	0.0	0.0	0.0
59	C850 DIELDRIN	14.860	557727.56	144816.83	557728	2.3	2.3	2.3
	C855 DDE	15.043	320916.41	79823.20	320916	1.8	1.8	1.8
		15.178	261836.25	55137.99	261836	0.0	0.3	0.3
62		15.341	453867.31	115321.12	453867	0.0	0.5	0.5
		15.548	32218.58	7415.06	32219	0.0	0.0	0.0
	C860 ENDRIN	15.702	29807.36	7397.30	29807	2.4	2.4	2.4
65	C865 ENDO 2	15.927	30673.06	5021.19	30673	2.1	2.1	2.1
66		16.142	252470.22	44636.89	252470	0.0	0.3	0.3
	C870 DDD	16.366	3434444.25	976474.13	3434444	7.1	7.1	7.1
68	C900 ENDRIN ALDEHYDE	16.821	258750.00	65452.97	258750	2.0	2.0	2.0
69		17.168	59296.66	4764.35	59297	0.0	0.1	0.1
	C875 ENDOSULFATE	17.412	26647.78	3850.03	26648	5.3	5.3	5.3
	C885 DDT	17.535	148948.38	35561.73	148948	3.7	3.7	3.7
72		17.813	1251614.25	294182.84	1251614	0.0	1.3	1.3
73		18.139	44753.00	6388.74	44753	0.0	0.0	0.0
		18.317	28693.89	6045.19	28694	0.0	0.0	0.0
75		18.451	35724.34	9124.46	35724	0.0	0.0	0.0
76		18.614	17565.69	4012.83	17566	0.0	0.0	0.0
		18.724	336639.75	83850.34	336640	0.0	0.3	0.3
78	C895 ENDRIN KETONE	19.015	46869.00	12003.32	46869	3.4	3.4	3.4
79	C890 METHOXYCHLOR	19.493	205793.50	50633.34	205794	0.8	0.8	0.8
		20.432	17886.64	4614.62	17887	0.0	0.0	0.0
		20.551	160798.89	39730.96	160799	0.0	0.2	0.2
82	DBC (SURR)	20.901	8396.75	2094.82	8397	-0.2	-0.2	-0.2
83		21.000	10466.25	2720.05	10466	0.0	0.0	0.0
		21.688	5136.00	1143.50	5136	0.0	0.0	0.0
85		23.264	15790.53	1869.46	15791	0.0	0.0	0.0
86	DCBP (SURR)	25.436	41897.84	8169.56	41898	0.3	0.3	0.3
		25.596	8838.20	1698.97	8838	0.0	0.0	0.0

18910890.00 4.36e6 18910890 -1.0e3 -1.0e3 -1.0e3

Sample Name : 1415-002x10

Sample #: 27

Page 1 of 1

FileName : d:\3400\14150027.raw

Date : 4/8/94 12:22 PM

Start Time : 0.00 min

End Time : 29.00 min

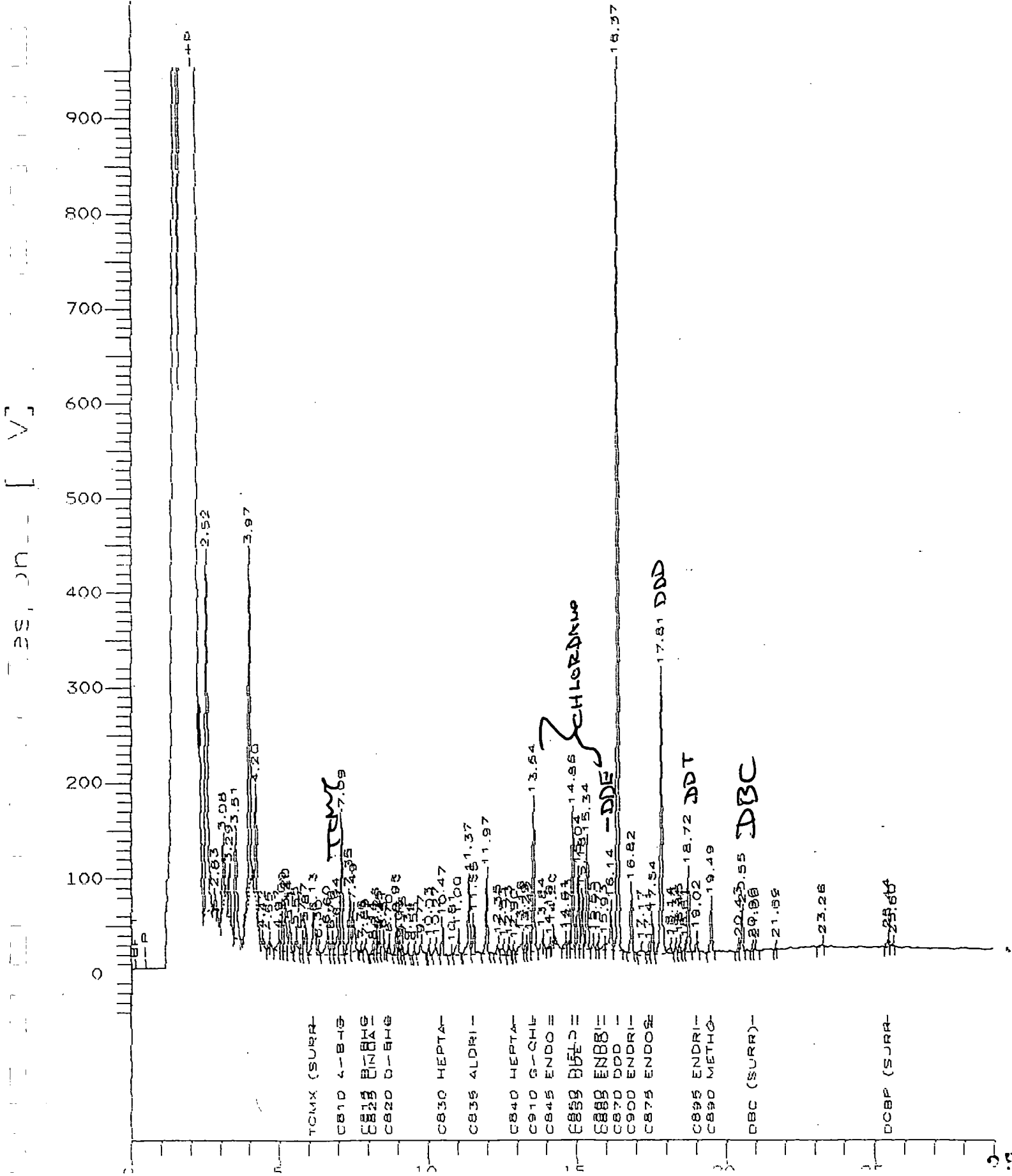
Low Point : -44.73 mV

High Point : 955.27

Scale Factor: -1

Plot Offset: -45 mV

Plot Scale: 1000 mV



Software Version: 3.1 <2A23>

Sample Name : 1415-002x10

Sample Number: 27

Operator :

Time : 4/6/94 10:17 AM

Study :

Confirmatory Analysis

Channel : 8 A/D mV Range : 1000

Instrument : VARIAN 3400 ECD

AutoSampler : NONE

Rack/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 05:39 AM

Delay Time : 0.00 min.

End Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406027.raw

Result File : d:\3400\b406027.rst

Instrument File: d:\2700\methdan\qtm pesa.ins

Process File : d:\2700\methdan\qtm pesb.prc

Sample File : d:\2700\methdan\qtm pesb.smp

Sequence File : D:\3400\040600.seq

Inj. Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Noise Threshold: 100

Area Threshold : 100

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 132

PESTICIDE/PCB REPORT

Peak	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.074	177726.75	52786.65	177727	0.0	0.2	0.2
		2.258	3683509.00	599667.00	3683509	0.0	3.7	3.7
		2.929	1355695.38	266527.63	1355695	0.0	1.4	1.4
4		3.100	198387.00	48832.67	198387	0.0	0.2	0.2
		3.287	15212.75	7893.52	15213	0.0	0.0	0.0
		3.367	214097.25	49594.52	214097	0.0	0.2	0.2
7		3.572	112987.22	24500.00	112987	0.0	0.1	0.1
		3.692	332926.66	73096.61	332927	0.0	0.3	0.3
		3.815	112330.53	30451.75	112331	0.0	0.1	0.1
10		4.040	53059.18	16732.74	53059	0.0	0.1	0.1
11		4.099	75136.97	20477.58	75137	0.0	0.1	0.1
		4.269	1247566.25	195359.02	1247566	0.0	1.3	1.3
		4.489	154351.58	33834.80	154352	0.0	0.2	0.2
14		4.636	33946.42	8622.22	33946	0.0	0.0	0.0
		4.768	54662.63	11629.97	54663	0.0	0.1	0.1
		4.934	15793.37	4798.89	15793	0.0	0.0	0.0
17		5.098	78512.17	17756.85	78512	0.0	0.1	0.1
19		5.189	76570.78	12184.41	76571	0.0	0.1	0.1
		5.397	917308.38	191542.53	917308	0.0	0.9	0.9
20		5.514	267780.50	50436.22	267781	0.0	0.3	0.3
21		5.645	82955.30	16623.91	82955	0.0	0.1	0.1
		5.739	67406.69	12480.24	67407	0.0	0.1	0.1
		5.873	45986.16	10717.06	45986	0.0	0.1	0.1
24		6.119	424301.47	92943.21	424302	0.0	0.4	0.4
		6.288	30558.00	4113.78	30558	0.0	0.0	0.0
		6.455	49101.00	7017.20	49101	0.0	0.1	0.1

29		6.821	27963.00	5760.23	27963	0.0	0.0	0.0
		6.927	47750.16	11441.51	47750	0.0	0.1	0.1
	TCMX (SURR)	7.166	89000.13	14166.21	89000	-1.1	-1.1	-1.1
32		7.307	3521.00	1121.53	3521	0.0	0.0	0.0
33		7.386	6316.00	1349.34	6316	0.0	0.0	0.0
		7.556	7316.99	2012.93	7317	0.0	0.0	0.0
		7.637	15921.88	3400.97	15922	0.0	0.0	0.0
36		7.811	50263.39	8138.90	50263	0.0	0.1	0.1
		8.034	108087.33	24850.69	108087	0.0	0.1	0.1
		8.161	54469.16	10866.28	54469	0.0	0.1	0.1
39		8.276	33308.78	5587.22	33309	0.0	0.0	0.0
	C810 A-BHC	8.444	24699.31	5946.75	24699	0.5	0.5	0.5
		8.562	50166.67	8374.99	50167	0.0	0.1	0.1
42		8.712	617348.38	131746.06	617348	0.0	0.6	0.6
43		9.019	70194.00	8230.37	70194	0.0	0.1	0.1
	C815 B-BHC	9.254	31926.46	4262.25	31927	0.6	0.6	0.6
	C825 LINDANE	9.394	106527.02	25685.26	106527	0.9	0.9	0.9
46		9.479	39701.60	7253.46	39702	0.0	0.0	0.0
		9.665	42238.88	8683.71	42239	0.0	0.0	0.0
		9.777	245709.88	61687.59	245710	0.0	0.3	0.3
49		9.889	45736.00	11527.15	45736	0.0	0.1	0.1
		10.047	19215.47	4195.43	19216	0.0	0.0	0.0
	C820 D-BHC	10.219	56530.73	10736.59	56531	1.0	1.0	1.0
52		10.310	15711.55	4985.28	15712	0.0	0.0	0.0
53		10.386	10501.69	2957.93	10502	0.0	0.0	0.0
		10.470	24983.82	5283.43	24984	0.0	0.0	0.0
		10.620	199421.94	52473.81	199422	0.0	0.2	0.2
56		10.767	11597.00	2961.00	11597	0.0	0.0	0.0
		10.858	15216.00	2812.05	15216	0.0	0.0	0.0
		11.162	54473.40	9179.81	54473	0.0	0.1	0.1
59		11.286	75960.14	11011.82	75960	0.0	0.1	0.1
		11.514	102412.58	11236.92	102413	0.0	0.1	0.1
	C830 HEPTACHLOR	11.764	487567.69	104069.12	487568	1.4	1.4	1.4
62		12.108	6884799.50	1.03e6	6884800	0.0	6.9	6.9
63		12.382	109475.00	17281.19	109475	0.0	0.1	0.1
		12.578	40860.00	5481.75	40860	0.0	0.0	0.0
	C835 ALDRIN	12.813	29909.92	4127.73	29910	0.1	0.1	0.1
66		12.911	64673.91	13962.71	64674	0.0	0.1	0.1
		13.065	362774.69	94683.91	362775	0.0	0.4	0.4
		13.249	98585.31	25446.76	98585	0.0	0.1	0.1
69		13.499	272724.50	74131.73	272725	0.0	0.3	0.3
		13.654	210382.52	49887.39	210383	0.0	0.2	0.2
		13.891	6842.86	2173.97	6843	0.0	0.0	0.0
	C840 HEPTACHLOR EPOX	13.979	3049.86	1067.84	3050	0.5	0.5	0.5
73		14.148	128264.28	23712.61	128264	0.0	0.1	0.1
		14.375	153529.67	37575.13	153530	0.0	0.2	0.2
		14.559	6062.31	1800.26	6062	0.0	0.0	0.0
76	C910 G-CHLORDANE	14.687	13851.47	2592.49	13852	0.8	0.8	0.8
		14.899	11964.25	1988.98	11964	0.0	0.0	0.0
	C845 ENDO 1	15.009	15830.92	2710.84	15831	0.5	0.5	0.5
79	C905 A-CHLORDANE	15.165	16189.23	3189.32	16189	1.2	1.2	1.2
		15.325	609287.44	151461.78	609287	0.0	0.6	0.6
		15.420	143622.36	30957.27	143622	0.0	0.1	0.1
		15.646	25183.11	5081.75	25183	0.0	0.0	0.0
83	C850 DIELDRIN	15.750	14733.77	3324.83	14734	0.3	0.3	0.3
	C855 DDE	15.925	80907.06	8811.05	80907	1.2	1.2	1.2
		16.150	79292.25	9004.88	79292	0.0	0.1	0.1
86		16.398	205212.53	48778.17	205213	0.0	0.2	0.2
	C860 ENDRIN	16.516	19145.00	3971.39	19145	0.6	0.6	0.6
	C865 ENDO 2	16.677	165453.61	33694.16	165454	1.1	1.1	1.1
89		16.814	28016.00	3679.65	28016	0.0	0.0	0.0
	C870 DDD	17.129	26312.86	2605.08	26313	1.7	1.7	1.7
	C900 ENDRIN ALDEHYDE	17.256	77749.53	10619.63	77750	1.1	1.1	1.1
		17.452	41114.00	2777.71	41114	0.0	0.0	0.0

95	C885 DDT	18.216	9191.53	1651.46	9192	1.4	1.4	1.4
96		18.436	8014.08	1842.22	8014	0.0	0.0	0.0
		18.541	2938.20	586.03	2938	0.0	0.0	0.0
		18.869	11690.63	1707.24	11691	0.0	0.0	0.0
99		19.035	103108.41	23903.04	103108	0.0	0.1	0.1
1	C895 ENDRIN KETONE	19.481	9707.00	968.71	9707	2.3	2.3	2.3
1		19.641	6300.44	1039.33	6300	0.0	0.0	0.0
102	C890 METHOXYCHLOR	19.946	1084.00	432.98	1084	1.2	1.2	1.2
1		20.074	8362.34	1076.50	8362	0.0	0.0	0.0
1		20.248	4860.16	795.43	4860	0.0	0.0	0.0
105		20.340	3356.00	869.93	3356	0.0	0.0	0.0
106		20.652	5744.38	619.17	5744	0.0	0.0	0.0
1	D8C (SURR)	20.902	6301.66	696.33	6302	-3.2	-3.2	-3.2
1		21.132	6785.16	702.03	6785	0.0	0.0	0.0
109		21.238	9086.81	1348.92	9087	0.0	0.0	0.0
1		21.526	13789.00	1489.09	13789	0.0	0.0	0.0
1		21.958	3927.80	1032.35	3928	0.0	0.0	0.0
112		22.038	2222.66	507.14	2223	0.0	0.0	0.0
1		22.117	980.00	308.08	980	0.0	0.0	0.0
1		22.353	10971.88	2378.49	10972	0.0	0.0	0.0
115		22.473	13225.00	2091.55	13225	0.0	0.0	0.0
116		22.651	55773.44	4822.84	55773	0.0	0.1	0.1
1		22.841	49116.56	8207.04	49117	0.0	0.1	0.1
1		23.122	64996.50	4245.18	64997	0.0	0.1	0.1
119		23.733	22546.00	1215.70	22546	0.0	0.0	0.0
1		23.850	1557.00	426.53	1557	0.0	0.0	0.0
1		24.086	1139.00	360.00	1139	0.0	0.0	0.0
122	DCBP (SURR)	24.303	2757.97	418.45	2758	-6.3	-6.3	-6.3
1		25.221	2735.00	658.57	2735	0.0	0.0	0.0
1		25.417	3206.50	756.13	3207	0.0	0.0	0.0
125		25.790	898.00	363.27	898	0.0	0.0	0.0
126		25.914	1018.00	578.75	1018	0.0	0.0	0.0
1		25.983	138566.98	-46228.66	138567	0.0	0.1	0.1
1		26.342	1158.00	464.07	1158	0.0	0.0	0.0
129		26.478	12079.75	2252.58	12080	0.0	0.0	0.0
1		26.549	12127.25	2103.30	12127	0.0	0.0	0.0
1		27.232	6921.00	767.06	6921	0.0	0.0	0.0
132		28.699	135043.75	6522.25	135044	0.0	0.1	0.1

23661544.00	4.25e6	23661544	10.2	32.5	32.5
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VARIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID

1 0um FILM DETECTOR=300C INJECTOR=250C

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95 ENDRIN KETONE	19.252	2824.34	530.53	2824	2.3	2.3	2.3
	19.391	5385.70	978.47	5386	0.0	0.0	0.0
	19.501	3889.66	903.75	3890	0.0	0.0	0.0
	19.644	4053.67	1016.61	4054	0.0	0.0	0.0
90 METHOXYCHLOR	20.020	13419.06	2543.43	13419	1.3	1.3	1.3
	20.169	2959.98	548.13	2960	0.0	0.0	0.0
	20.331	26588.88	5615.71	26589	0.0	0.0	0.0
	20.628	4249.00	723.85	4249	0.0	0.0	0.0
8C (SURR)	20.902	9709.97	1699.77	9710	-3.2	-3.2	-3.2
	21.146	2687.00	579.47	2687	0.0	0.0	0.0
	21.252	1668.00	353.31	1668	0.0	0.0	0.0
	21.726	6097.94	495.99	6098	0.0	0.0	0.0
	21.950	122986.00	-30746.50	122986	0.0	0.1	0.1
	22.508	24347.75	2063.77	24348	0.0	0.0	0.0
	22.670	24903.84	3923.44	24904	0.0	0.0	0.0
	22.846	15371.75	2935.56	15372	0.0	0.0	0.0
	22.946	4521.44	1249.23	4521	0.0	0.0	0.0
	23.255	39365.44	2556.79	39365	0.0	0.0	0.0
	23.411	22840.19	3560.21	22840	0.0	0.0	0.0
	23.732	5810.63	1043.47	5811	0.0	0.0	0.0
	23.871	4976.75	700.23	4977	0.0	0.0	0.0
	24.078	4827.00	980.31	4827	0.0	0.0	0.0
DCBP (SURR)	24.757	7643.06	870.52	7643	-6.2	-6.2	-6.2
	25.047	21282.94	2797.93	21283	0.0	0.0	0.0
	25.415	7151.97	1308.74	7152	0.0	0.0	0.0
	25.667	8931.94	1311.28	8932	0.0	0.0	0.0
	25.795	17449.94	1561.94	17450	0.0	0.0	0.0
	26.148	32744.13	2704.14	32744	0.0	0.0	0.0
	26.479	10000.97	1643.93	10001	0.0	0.0	0.0
	26.689	648.00	266.52	648	0.0	0.0	0.0
	27.668	1556.56	428.77	1557	0.0	0.0	0.0
	28.704	2410.00	397.81	2410	0.0	0.0	0.0

	24159134.00	3.80e6	24159134	20.0	41.0	41.0	

=====

RTAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 0.1um FILM DETECTOR=300C INJECTOR=250C

=====

Sample Name : 1415-003x10

FileName : d:\3400\b406028.raw

Start Time : 0.00 min

Scale Factor: -1

End Time : 29.00 min

Plot Offset: -6 mV

Sample #: 28

Date : 4/6/94 10:29 AM

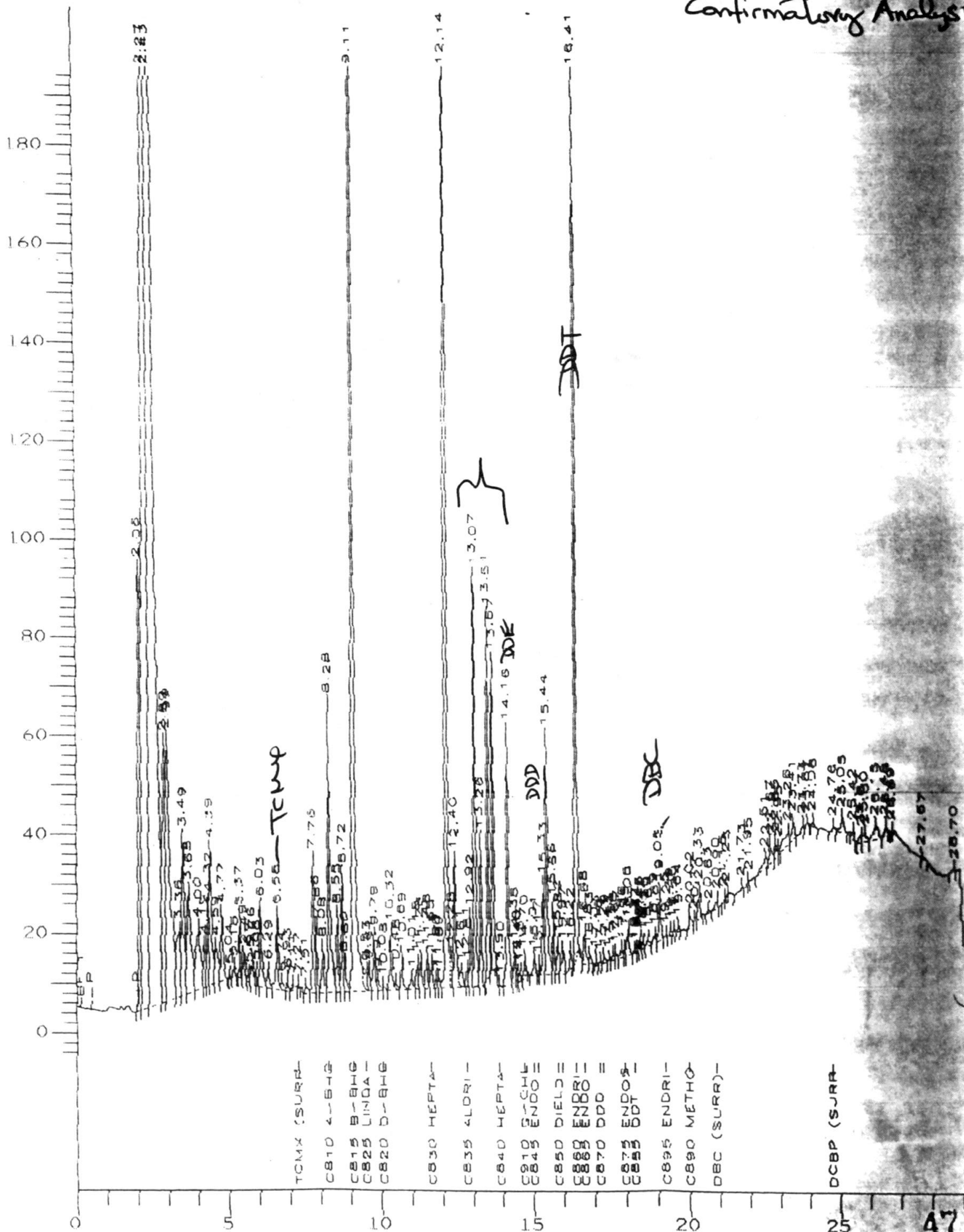
Low Point : -5.84 mV

Plot Scale: 200 mV

Page 1 of 1

High Point : 194.15

Confirmatory Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.4

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-004

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD: 3540

CONC./DIL/FACTOR: 10

DATA RELEASE AUTHORIZED BY: [Signature]

PERCENT MOISTURE: (Not Decanted) 26

CONCENTRATION: [Signature]

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567

QC REPORT No.: GP56

CONTRACT No.: [Signature]

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 03/13-14/94

DATE ANALYZED: 04/10/94

GPC CLEAN UP: [Signature] pH: [Signature]

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.07
319-84-6	alpha-BHC	<m.d.l.	.07
319-85-7	beta-BHC	<m.d.l.	.07
319-86-8	delta-BHC	<m.d.l.	.07
58-89-9	gamma-BHC	<m.d.l.	.07
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	0.36 J	.41
60-57-1	Dieldrin	<m.d.l.	.07
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.14
1031-07-8	Endosulfan Sulfate	<m.d.l.	.14
72-20-8	Endrin	<m.d.l.	.07
7421-36-3	Endrin Aldehyde	<m.d.l.	.34
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.07
1024-57-3	Heptachlor Epoxide	<m.d.l.	.07
72-43-5	Methoxychlor	<m.d.l.	.74
72-54-8	4,4'-DDD	0.62	.14
72-55-9	4,4'-DDE	0.42	.07
50-29-3	4,4'-DDT	0.97	.14

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.4
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 56.1 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Sample Name : 1415-004x100
Sample Number: 21
Operator :

Time : 4/8/94 08:03 AM
Study : pest/pcb

Instrument : VARIAN 3400 ECD Channel : A A/D mV Range : 1000
Integrator : NONE
Inlet/Vial : 0/0 1425.4

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 07:33 AM
Run Time : 0.00 min.
Idle Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\1408021.raw
Result File : d:\3400\1408021.rst
Program File: d:\2700\methdan\qtmpera.ins
Process File : d:\2700\methdan\qtmpera.pro
Sample File : d:\2700\methdan\qtmpera.smp
Sequence File : d:\3400\0408dn.seq

Injection Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

Integration Threshold: 500 Area Threshold : 500 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Adder : 0.0000

Integration Conditions:

Number of Peaks Detected: 25
=====

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.318	33196.04	3587.23	33196	0.0	0.0	0.0
	2.640	27703.00	3120.73	27703	0.0	0.0	0.0
	4.206	274917.00	41957.43	274917	0.0	0.3	0.3
	5.188	12713.50	2502.68	12714	0.0	0.0	0.0
0810 A-BHC	6.948	6263.00	1570.61	6263	1.2	1.2	1.2
0835 ALDRIN	11.396	18329.24	4942.97	18329	0.5	0.5	0.5
	11.510	14953.77	3232.74	14954	0.0	0.0	0.0
	12.349	6886.00	1795.78	6886	0.0	0.0	0.0
0840 HEPTACHLOR EPOX	12.690	4783.01	1409.38	4783	0.9	0.9	0.9
0910 G-CHLORDANE	13.464	27983.02	4015.10	27983	1.5	1.5	1.5
0845 ENDO 1	13.782	4022.50	1153.68	4023	1.6	1.6	1.6
0905 A-CHLORDANE	13.859	10894.00	2382.70	10894	2.0	2.0	2.0
	14.264	14855.00	3177.03	14855	0.0	0.0	0.0
	14.404	13324.00	2406.82	13324	0.0	0.0	0.0
0855 DDE	14.857	28461.98	7729.87	28462	1.6	1.6	1.6
	15.040	16737.49	4438.46	16738	0.0	0.0	0.0
0860 ENDRIIN	15.338	38620.00	9456.74	38620	2.4	2.4	2.4
0870 DDD	16.142	398901.03	91325.86	398901	1.9	1.9	1.9
	16.820	59956.00	15147.15	59956	0.0	0.1	0.1
0885 DDT	17.531	8351.50	2258.22	8352	3.4	3.4	3.4
	17.813	496041.94	92672.23	496042	0.0	0.5	0.5
0895 ENDRIIN KETONE	18.720	726907.00	183392.41	726907	4.6	4.6	4.6
0890 METHOXYCHLOR	19.494	95641.00	21586.00	95641	0.4	0.4	0.4
080 (SURR)	20.545	12088.02	2860.39	12088	-0.2	-0.2	-0.2
	23.569	18448.50	4037.05	18449	0.0	0.0	0.0

2370977.50 512159.22 2370978 21.6 22.6 22.6

Sample Name : 1415-004x100

FileName : d:\3400\408021.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset : -48 mV

Sample #: 21

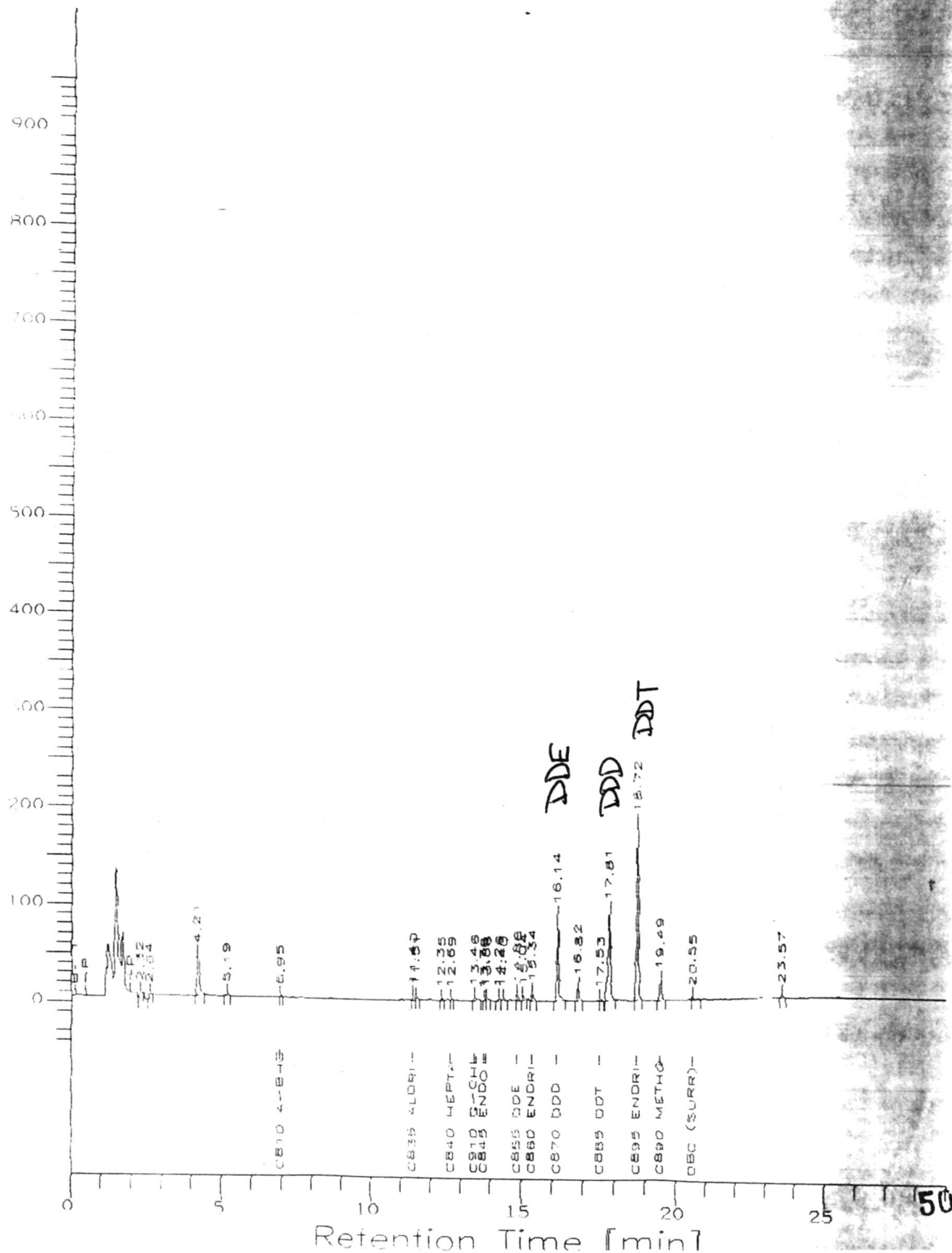
Date : 4/8/94 08:03 AM

Low Point : -47.95 mV

Plot Scale: 1000 mV

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High Point : 952.05



are Version: 3.1 <2A23>

Sample Name : 1415-004x10

Sample Number: 29

Operator :

Time

: 4/8/94 01:47 PM

Study

: pest/pcb

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

Sampler : NONE

Back/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 01:18 PM

Delay Time : 0.00 min.

Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A408029.raw

Result File : d:\3400\A408029.rst

Instrument File : d:\2700\methdan\qtmpera.ins

Process File : d:\2700\methdan\qtmpera.pro

Sample File : d:\2700\methdan\qtmpera.smp

Sequence File : d:\3400\0408do.seq

Volume : 1.00

Area Reject : 100.00

Dilution Amount : 1.0000

Dilution Factor : 1.00

Area Threshold : 500

Area Threshold : 500

Bunch Factor: 1

Divisor : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Location:

Number of Peaks Detected: 71

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uv*sec]	Height [uv]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.206	10694.00	3238.82	10694	0.0	0.0	0.0
	2.633	54313.00	10326.91	54313	0.0	0.1	0.1
	3.085	24676.50	4726.03	24677	0.0	0.0	0.0
	3.802	102667.22	19128.11	102667	0.0	0.1	0.1
	3.927	46024.27	8912.84	46024	0.0	0.1	0.1
	4.201	410605.00	61291.81	410605	0.0	0.4	0.4
	5.088	11302.02	3088.51	11302	0.0	0.0	0.0
	5.553	9799.50	2076.45	9800	0.0	0.0	0.0
TCMX (SURR)	6.107	7930.00	1789.35	7930	-1.1e3	-1.1e3	-1.1e3
	6.935	65329.01	16357.27	65329	0.0	0.1	0.1
	7.516	41235.98	5014.04	41236	0.0	0.0	0.0
	8.585	9189.50	2732.76	9190	0.0	0.0	0.0
	9.594	4619.00	1274.40	4619	0.0	0.0	0.0
	9.784	31304.98	5483.61	31305	0.0	0.0	0.0
	10.196	7953.01	1857.28	7953	0.0	0.0	0.0
	10.986	32999.00	9387.03	32999	0.0	0.0	0.0
	11.387	8607.86	2502.44	8608	0.0	0.0	0.0
	11.498	31253.57	7545.92	31254	0.0	0.0	0.0
CB35 ALDRIN	11.584	40436.07	10240.84	40436	0.5	0.5	0.5
	11.907	25348.50	4584.05	25349	0.0	0.0	0.0
	12.333	15009.00	4009.29	15009	0.0	0.0	0.0
	12.546	8972.11	2141.99	8972	0.0	0.0	0.0
	12.681	9942.91	2291.44	9943	0.0	0.0	0.0
CB40 HEPTACHLOR EPOX	13.080	20174.50	2786.39	20175	0.9	0.9	0.9
	13.442	39535.05	6232.40	39535	0.0	0.0	0.0
CB910 G-CHLORDANE	13.796	41387.56	5730.50	41388	1.5	1.5	1.5

30		14.611	30458.53	4647.16	30459	0.0	0.0	0.0
71		14.729	39443.86	9434.79	39444	0.0	0.0	0.0
	CR50 DIELDRIN	14.849	280742.31	70317.81	280742	2.0	2.0	2.0
	CR55 DDE	15.035	264082.44	48330.67	264082	1.8	1.8	1.8
34		15.175	93496.77	24596.64	93497	0.0	0.1	0.1
		15.330	306219.13	76451.07	306219	0.0	0.3	0.3
		15.537	11917.98	3306.25	11918	0.0	0.0	0.0
	CR60 ENDRIN	15.700	3500.00	877.94	3500	2.4	2.4	2.4
	CR65 ENDO 2	15.918	11870.55	2938.81	11871	2.1	2.1	2.1
		16.133	4171517.50	982537.50	4171518	0.0	4.2	4.2
		16.263	105447.00	30393.99	105447	0.0	0.1	0.1
	CR70 DDD	16.355	764701.19	215792.17	764701	2.5	2.5	2.5
	CR90 ENDRIN ALDEHYDE	16.812	524367.00	136115.95	524367	2.6	2.6	2.6
		17.127	14855.00	2141.12	14855	0.0	0.0	0.0
		17.403	37702.52	8479.22	37703	0.0	0.0	0.0
	CR75 ENDOSULFATE	17.522	86172.97	20726.33	86173	5.5	5.5	5.5
	CR85 DDT	17.808	5215837.50	987672.13	5215838	14.4	14.4	14.4
		18.110	73184.00	10483.15	73184	0.0	0.1	0.1
		18.216	31419.00	7286.86	31419	0.0	0.0	0.0
		18.311	70341.72	16414.33	70342	0.0	0.1	0.1
		18.692	5597289.00	1.0486	5597289	0.0	5.6	5.6
		18.900	39725.00	8340.14	39725	0.0	0.0	0.0
	CR95 ENDRIN KETONE	19.131	35217.50	4489.34	35218	3.4	3.4	3.4
		19.480	1051044.00	260707.25	1051044	0.0	1.1	1.1
	CR90 METHOXYCHLOR	19.763	39262.91	4556.43	39263	0.2	0.2	0.2
		20.192	18573.97	2884.55	18574	0.0	0.0	0.0
		20.417	38438.73	9985.28	38439	0.0	0.0	0.0
		20.539	90245.20	23363.39	90245	0.0	0.1	0.1
		20.693	12448.34	2663.68	12448	0.0	0.0	0.0
	CR9 (SURR)	20.986	32100.00	7424.19	32100	-0.2	-0.2	-0.2
		21.298	20738.02	4423.20	20738	0.0	0.0	0.0
		21.400	16382.00	3843.21	16382	0.0	0.0	0.0
		21.480	32004.00	6991.62	32004	0.0	0.0	0.0
		21.668	10359.00	2583.31	10359	0.0	0.0	0.0
		21.868	17041.00	4914.43	17041	0.0	0.0	0.0
		22.218	14323.00	2725.76	14323	0.0	0.0	0.0
		22.380	6752.00	1817.28	6752	0.0	0.0	0.0
		22.885	24014.03	4681.82	24014	0.0	0.0	0.0
		23.155	15215.56	2981.76	15216	0.0	0.0	0.0
		23.554	185091.03	39515.56	185091	0.0	0.2	0.2
		24.490	19802.00	3815.23	19802	0.0	0.0	0.0
	CRBP (SURR)	25.419	25686.50	5018.01	25687	0.2	0.2	0.2

20789702.00 4.35e6 20789702 -1.1e3 -1.1e3 -1.1e3

=====
 TAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 0.25um FILM DETECTOR=300C INJECTOR=250C
 =====

Sample Name : 1415-004x10

FileName : d:\3400\408029.raw

Start Time : 0.00 min

Scale Factor: -1

End Time : 29.00 min

Plot Offset: -45 mV

Sample #: 29

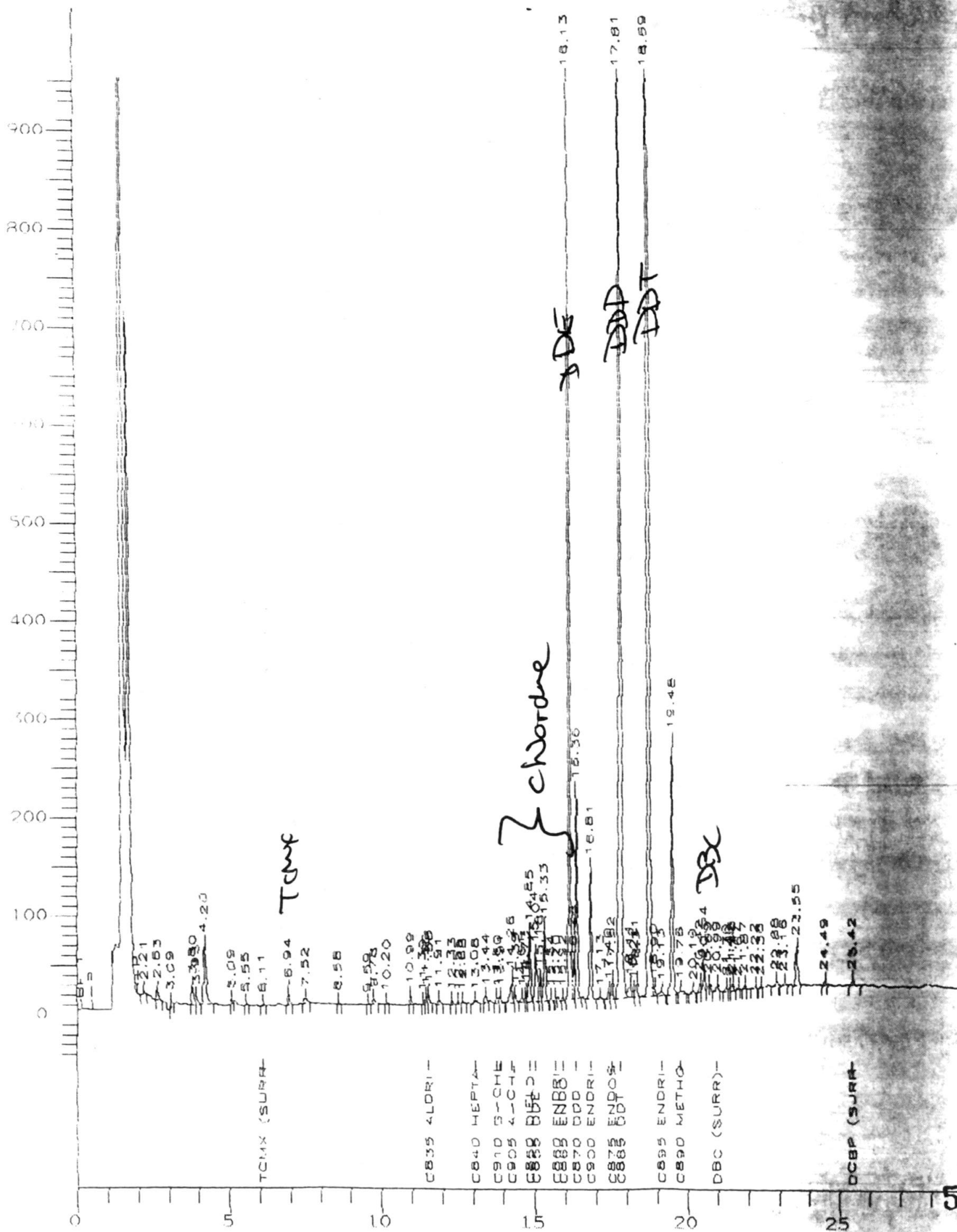
Date : 4/8/94 01:48 PM

Low Point : -44.97 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.03



Sample Name : 1415-004x10
Sample Number : 29
Operator :

Time : 4/6/94 10:38 AM
Study :

Confirmatory Analysis

Instrument : VARIAN 3400 ECD
AutoSampler : NONE
Vial : 0/0

Channel : 8 A/D mV Range : 1000

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 06:46 AM
Delay Time : 0.00 min.
Set Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

Data File : d:\3400\b406029.raw
Result File : d:\3400\b406029.rst
Instrument File : d:\2700\methdan\qtmpea.ins
Process File : d:\2700\methdan\qtmpeb.pro
Sample File : d:\2700\methdan\qtmpeb.smp
Sequence File : D:\3400\040600.seq

Injection Volume : 1 µl
Sample Amount : 1.0000
Area Reject : 100.00
Dilution Factor : 1.00

Base Threshold : 100
Multiplier : 1.0000
Area Threshold : 100
Divisor : 1.0000
Bunch Factor: 1
Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 116

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.055	352617.38	69433.41	352617	0.0	0.4	0.4
	2.266	3753024.00	516531.75	3753024	0.0	3.8	3.8
	2.427	2156221.50	319140.28	2156222	0.0	2.2	2.2
	2.870	21259.50	5971.26	21260	0.0	0.0	0.0
	3.356	3358.00	1002.65	3358	0.0	0.0	0.0
	3.708	125511.71	18106.93	125512	0.0	0.1	0.1
	3.876	60636.38	6484.14	60636	0.0	0.1	0.1
	4.159	11059.29	1664.87	11059	0.0	0.0	0.0
	4.314	22179.48	3472.21	22180	0.0	0.0	0.0
	4.512	6064.24	1320.06	6064	0.0	0.0	0.0
	4.606	14636.43	2039.93	14636	0.0	0.0	0.0
	4.765	63792.48	13677.88	63793	0.0	0.1	0.1
	5.066	6022.82	682.01	6023	0.0	0.0	0.0
	5.367	148068.20	34350.16	148068	0.0	0.2	0.2
	5.500	15940.00	3425.92	15940	0.0	0.0	0.0
	5.654	6544.00	1454.29	6544	0.0	0.0	0.0
	6.020	15571.50	3265.14	15572	0.0	0.0	0.0
	6.566	40469.50	10916.03	40470	0.0	0.0	0.0
	7.052	3694.99	439.52	3695	0.0	0.0	0.0
TCMX (SURR)	7.289	4619.00	658.55	4619	-1.4	-1.4	-1.4
	7.738	6778.50	1747.35	6779	0.0	0.0	0.0
	7.836	3335.50	893.35	3336	0.0	0.0	0.0
	8.061	9592.40	2008.13	9592	0.0	0.0	0.0
CB10 A-BHC	8.270	8172.60	1549.06	8173	0.5	0.5	0.5
	8.699	126779.00	35334.24	126779	0.0	0.1	0.1
	8.987	11659.98	1537.46	11660	0.0	0.0	0.0
CB15 B-BHC	9.224	7231.07	1175.22	7231	0.5	0.5	0.5

29		9.764	31456.01	6881.50	31456	0.0	0.0	0.0
30	C820 D-BHC	10.064	3311.55	737.63	3312	0.9	0.9	0.9
31		10.231	8021.65	2039.82	8022	0.0	0.0	0.0
32		10.299	8408.06	1504.42	8408	0.0	0.0	0.0
33		10.460	10963.73	2863.54	10964	0.0	0.0	0.0
34		10.671	4210.00	769.68	4210	0.0	0.0	0.0
35		11.007	6327.86	937.56	6328	0.0	0.0	0.0
36		11.151	7382.00	1473.32	7382	0.0	0.0	0.0
37		11.262	14956.14	2817.97	14956	0.0	0.0	0.0
38		11.514	27785.38	3993.23	27785	0.0	0.0	0.0
39	C830 HEPTACHLOR	11.639	14179.61	2404.40	14180	0.5	0.5	0.5
40		11.774	16289.20	2675.10	16289	0.0	0.0	0.0
41		11.885	14706.35	2697.87	14706	0.0	0.0	0.0
42		12.115	3755359.25	991700.19	3755359	0.0	3.8	3.8
43		12.377	96552.11	18689.50	96552	0.0	0.1	0.1
44		12.580	10504.00	1860.31	10504	0.0	0.0	0.0
45	C835 ALDRIN	12.782	8394.04	1838.00	8394	0.0	0.0	0.0
46		12.898	29272.26	6353.32	29272	0.0	0.0	0.0
47		13.048	214251.30	44767.25	214251	0.0	0.2	0.2
48		13.228	73824.00	18058.92	73824	0.0	0.1	0.1
49		13.478	172687.03	45348.29	172687	0.0	0.2	0.2
50		13.634	124747.38	30769.23	124747	0.0	0.1	0.1
51		13.748	10413.00	3404.65	10413	0.0	0.0	0.0
52	C840 HEPTACHLOR EPOX	13.960	3619.86	692.96	3620	0.5	0.5	0.5
53		14.125	2095718.63	536021.94	2095719	0.0	2.1	2.1
54		14.352	327303.03	80728.01	327303	0.0	0.3	0.3
55		14.528	11425.00	2251.09	11425	0.0	0.0	0.0
56	C910 G-CHLORDANE	14.666	18151.35	3885.48	18151	0.8	0.8	0.8
57		14.798	14859.69	3430.68	14860	0.0	0.0	0.0
58		14.874	15470.34	3928.97	15470	0.0	0.0	0.0
59	C845 ENDO 1	14.973	16338.57	2250.92	16339	0.5	0.5	0.5
60	C905 A-CHLORDANE	15.145	7153.75	1689.72	7154	1.1	1.1	1.1
61		15.300	2105478.00	527575.88	2105478	0.0	2.1	2.1
62		15.402	594952.38	161453.69	594952	0.0	0.6	0.6
63		15.615	22296.00	4885.54	22296	0.0	0.0	0.0
64	C850 DIELDRIN	15.720	24834.76	3609.69	24835	0.3	0.3	0.3
65	C855 DDE	15.909	39383.33	9304.81	39383	1.1	1.1	1.1
66		16.084	6619.88	1658.63	6620	0.0	0.0	0.0
67		16.181	9031.12	1860.85	9031	0.0	0.0	0.0
68	C860 ENDRIN	16.370	4114378.75	994347.81	4114379	13.3	13.3	13.3
69	C865 ENDO 2	16.647	579402.75	136950.92	579403	2.8	2.8	2.8
70	C870 DDD	16.952	25987.19	4868.89	25987	1.7	1.7	1.7
71	C900 ENDRIN ALDEHYDE	17.297	3940.70	492.87	3941	0.5	0.5	0.5
72		17.414	1496.88	395.14	1497	0.0	0.0	0.0
73		17.614	13648.39	1949.77	13648	0.0	0.0	0.0
74		17.814	19169.92	2326.90	19170	0.0	0.0	0.0
75	C875 ENDOSULFATE	17.919	35452.41	7532.87	35452	2.6	2.6	2.6
76		18.012	31038.25	7892.61	31038	0.0	0.0	0.0
77	C885 DDT	18.214	5718.50	1296.28	5719	1.4	1.4	1.4
78		18.397	15673.15	3522.53	15673	0.0	0.0	0.0
79		18.486	16855.33	3392.11	16855	0.0	0.0	0.0
80		18.699	13568.52	2177.41	13569	0.0	0.0	0.0
81		18.862	31158.92	4954.57	31159	0.0	0.0	0.0
82		18.997	61729.48	14461.65	61730	0.0	0.1	0.1
83	C895 ENDRIN KETONE	19.207	9821.00	1491.07	9821	2.3	2.3	2.3
84		19.452	12736.61	2333.85	12737	0.0	0.0	0.0
85		19.588	19437.94	4331.84	19438	0.0	0.0	0.0
86	C890 METHOXYCHLOR	19.988	9973.56	1902.56	9974	1.3	1.3	1.3
87		20.140	3523.56	690.19	3524	0.0	0.0	0.0
88		20.260	9068.92	1409.54	9069	0.0	0.0	0.0
89		20.382	6633.20	1077.20	6633	0.0	0.0	0.0
90		20.611	7317.27	1073.49	7317	0.0	0.0	0.0
91	DBC (SURR)	20.864	11117.97	907.85	11118	-3.2	-3.2	-3.2
92		20.984	7285.56	1227.32	7286	0.0	0.0	0.0

4 DC8P (SURR)

22.504	11623.07	2312.00	11623	0.0	0.0	0.0
22.636	4899.22	1127.61	4899	0.0	0.0	0.0
22.793	27816.88	4395.95	27817	0.0	0.0	0.0
23.047	22421.13	1888.12	22421	0.0	0.0	0.0
23.250	18857.03	1845.27	18857	0.0	0.0	0.0
23.677	46911.81	2059.43	46912	0.0	0.1	0.1
23.790	14303.75	1556.69	14304	0.0	0.0	0.0
24.339	3330.00	201.39	3330	0.0	0.0	0.0
24.728	8186.50	1175.01	8187	-6.2	-6.2	-6.2
25.185	2333.83	556.98	2334	0.0	0.0	0.0
25.357	22143.56	1958.97	22144	0.0	0.0	0.0
25.633	14110.38	1681.54	14110	0.0	0.0	0.0
25.752	6776.25	1406.58	6776	0.0	0.0	0.0
25.867	3479.52	991.72	3480	0.0	0.0	0.0
26.709	6986.38	1108.36	6986	0.0	0.0	0.0
26.888	9233.63	1229.16	9234	0.0	0.0	0.0
27.617	3553.86	990.74	3554	0.0	0.0	0.0
27.711	6506.86	1130.45	6507	0.0	0.0	0.0
27.903	10455.16	1034.40	10455	0.0	0.0	0.0
28.010	3748.73	969.28	3749	0.0	0.0	0.0
28.128	14021.88	1375.75	14022	0.0	0.0	0.0

22414598.00 4.85e6 22414598 22.5 40.0 40.0

RTAN 3400 CAPILLARY COLUMN GC: SPR-5 30M X 0.53mm ID
um FILM DETECTOR=300C INJECTOR=250C

Sample Name : 1415-004x10
FileName : d:\3400\b406029.raw
Start Time : 0.00 min
Scale Factor : -1

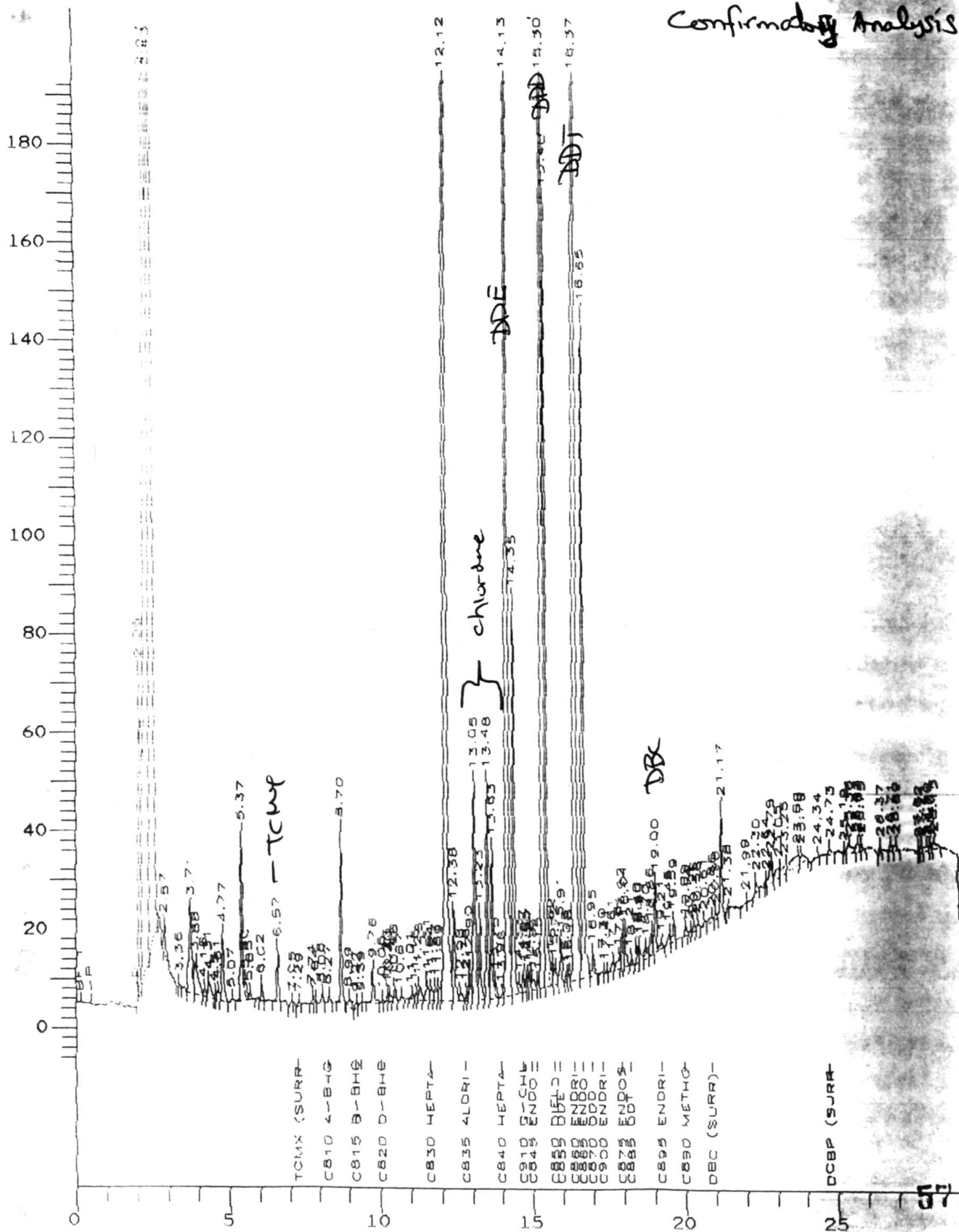
End Time : 29.00 min
Plot Offset: -6 mV

Sample #: 29
Date : 4/6/94 10:40 AM
Low Point : -6.28 mV
Plot Scale: 200 mV

Page 1 of 1

High Point : 193.72

Confirmatory Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.5

CASE NUMBER: P.O. R4-0567

QC REPORT No.: GP56

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 03/13-14/94

DATE ANALYZED: 04/10/94

GPC CLEAN UP: pH:

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-005

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD: 3540

CONC./DIL/FACTOR: 10

DATA RELEASE AUTHORIZED BY: 9401415-001-005

PERCENT MOISTURE: (Not Decanted)

CONCENTRATION:

UNITS: mg/kg-dry

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.07
319-84-6	alpha-BHC	<m.d.l.	.07
319-85-7	beta-BHC	<m.d.l.	.07
319-86-8	delta-BHC	<m.d.l.	.07
58-89-9	gamma-BHC	<m.d.l.	.07
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	0.19J	.41
60-57-1	Dieldrin	<m.d.l.	.07
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.14
1031-07-8	Endosulfan Sulfate	<m.d.l.	.14
72-20-8	Endrin	<m.d.l.	.07
7421-36-3	Endrin Aldehyde	<m.d.l.	.34
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.07
1024-57-3	Heptachlor Epoxide	<m.d.l.	.07
72-43-5	Methoxychlor	<m.d.l.	.74
72-54-8	4,4'-DDD	0.25	.14
72-55-9	4,4'-DDE	0.18	.07
50-29-3	4,4'-DDT	0.28	.14

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.4
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dacthal)		
2593-15-9	Ethidiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs or Wg 58.5

Vf = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Sample Name : 5-005x50 Time : 4/8/94 08:46 AM
 Sample Number : 1425.5 Study : pest/pcb
 Operator :

Instrument : ATAN 3400 ECD Channel : A A/D mV Range : 1000
 AutoSampler : INF
 Vial :

Interface : 0122572086 Data Acquisition Time: 4/8/94 08:16 AM
 Delay Time : 00 min.
 End Time : 00 min.
 Sampling Rate : 0000 pts/sec

Data File : \3400\A408022.raw
 Result File : \3400\A408022.rst
 Instrument : \2700\methdan\qtmpesa.ins
 Access File : \2700\methdan\qtmpesa.pro
 Sample File : \2700\methdan\qtmpesa.smp
 Sequence File : \3400\A408022.seq

Volume : 0.1 Area Reject : 100.00
 Sample Amount : 0.000 Dilution Factor : 1.00

Area Threshold : 500 Bunch Factor: 1
 Multiplier : 10000 Adder : 0.0000

Instrument : ATAN

AT Number : 1425.5
 =====

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	103	284649.00	55424.80	284649	0.0	0.3	0.3
	117	43301.00	8615.93	43301	0.0	0.0	0.0
	128	33116.60	9192.74	33117	0.0	0.0	0.0
	129	75866.83	12537.93	75867	0.0	0.1	0.1
	131	124812.58	19857.05	124813	0.0	0.1	0.1
	172	200714.98	40196.27	200715	0.0	0.2	0.2
	195	59833.00	12061.14	59833	0.0	0.1	0.1
	208	14953.48	3234.90	14954	0.0	0.0	0.0
	277	25205.33	3565.67	25205	0.0	0.0	0.0
	298	309561.09	42757.62	309561	0.0	0.3	0.3
	328	32240.00	4133.38	32240	0.0	0.0	0.0
TCMX (SURR)	379	10578.99	2893.60	10579	-1.1e3	-1.1e3	-1.1e3
	400	8974.00	2407.79	8974	0.0	0.0	0.0
CB10 A-BHC	436	27026.00	5286.27	27026	1.2	1.2	1.2
	495	23723.99	5485.98	23724	0.0	0.0	0.0
	551	6901.58	1828.50	6902	0.0	0.0	0.0
	579	88694.91	13985.66	88695	0.0	0.1	0.1
	620	8813.00	1897.35	8813	0.0	0.0	0.0
	658	10735.00	2466.53	10735	0.0	0.0	0.0
	660	4939.00	1419.31	4939	0.0	0.0	0.0
	732	7920.00	1378.89	7920	0.0	0.0	0.0
CB35 ALDRIN	776	19113.55	4656.27	19114	0.5	0.5	0.5
	801	16140.44	3317.38	16140	0.0	0.0	0.0
	824	5850.50	1848.80	5851	0.0	0.0	0.0
	873	9553.00	2243.54	9553	0.0	0.0	0.0
	940	7605.50	1851.83	7606	0.0	0.0	0.0
CB40 HEPTACHLOR	983	7841.51	1669.45	7842	0.9	0.9	0.9

30		14.251	17471.18	3480.52	17471	0.0	0.0	0.0
		14.398	13472.81	2480.97	13473	0.0	0.0	0.0
	0850 DIELDRIN	14.561	7314.00	1759.79	7314	1.8	1.8	1.8
	0855 DDE	14.845	34099.00	7843.83	34099	1.6	1.6	1.6
		15.030	32733.90	6499.68	32734	0.0	0.0	0.0
		15.169	11176.00	3420.55	11176	0.0	0.0	0.0
	0860 ENDRIN	15.326	40405.40	10029.17	40405	2.4	2.4	2.4
	0870 DDD	15.429	401562.88	99338.55	401563	1.9	1.9	1.9
	0900 ENDRIN ALDEHYDE	15.552	12058.00	3339.63	12058	1.4	1.4	1.4
		15.806	57595.00	14705.99	57595	0.0	0.1	0.1
	0885 DDT	17.518	9334.99	2597.76	9335	3.4	3.4	3.4
		17.759	465274.00	88031.20	465274	0.0	0.5	0.5
	0895 ENDRIN KETONE	18.708	780538.00	199545.16	780538	4.7	4.7	4.7
	0890 METHOXYCHLOR	18.479	117122.03	27272.16	117122	0.5	0.5	0.5
	08C (SURR)	20.534	33659.00	8147.78	33659	-0.2	-0.2	-0.2

3540938.50 751223.81 3540939 -1.1e3 -1.1e3 -1.1e3

=====

ON 3400 BY COLUMN (C) SPR-5 50M X 0.53mm ID

DATE= 10/11/77

=====

Sample Name : 1415-005x50

FileName : d:\3400\3408022.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 29.00 min

Plot Offset: -45 mV

Sample #: 22

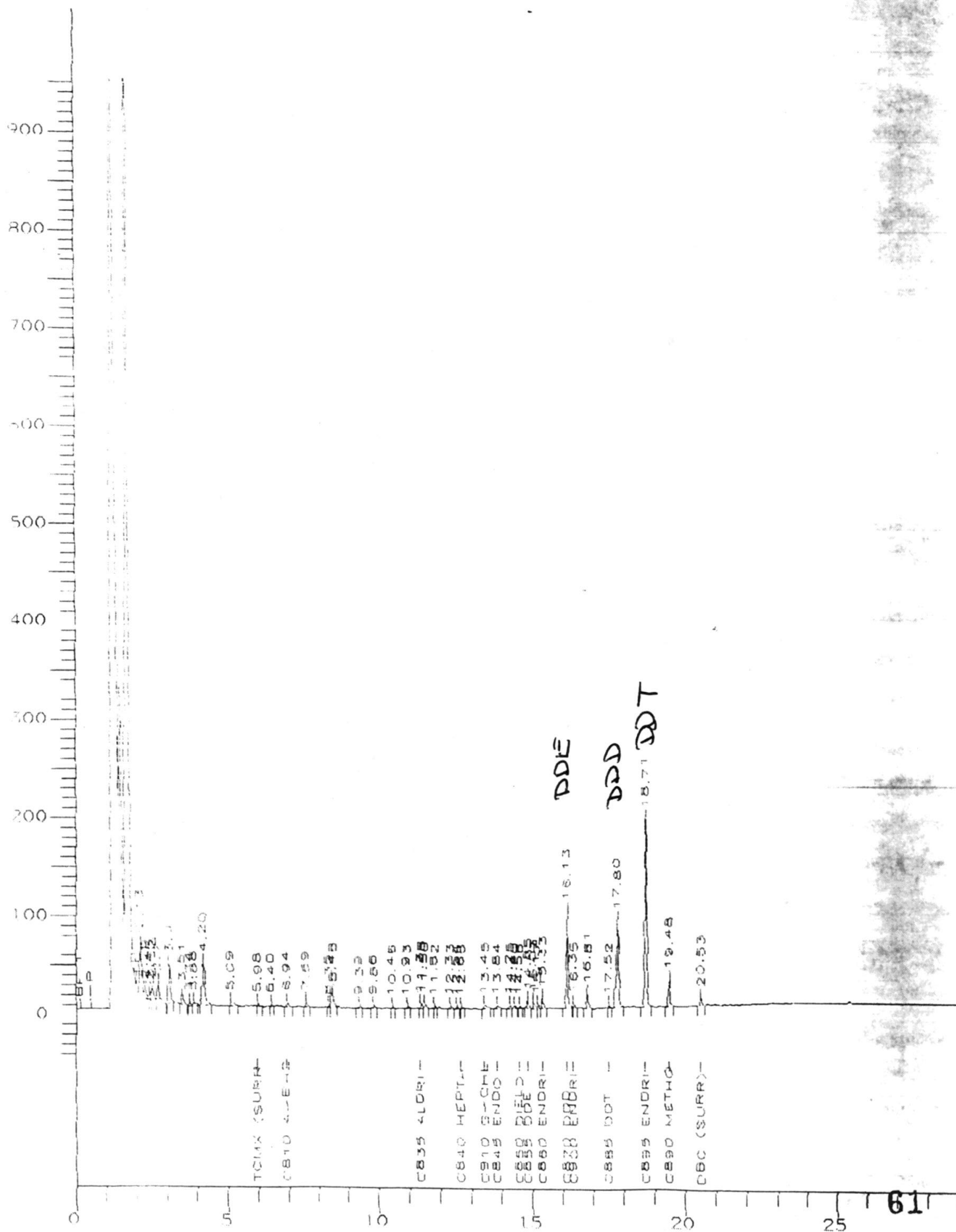
Date : 4/8/94 08:46 AM

Low Point : -44.68 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.32



Sample Name: 15-005x10

Time: 4/8/94 02:31 PM

Sample Number

Study: pest/pcb

Operator

Instrument: 5400 FCD

Channel: A A/D mV Range: 1000

Injection Volume

Sample

Volume

Injection Volume: 10.0000

Acquisition Time: 4/8/94 02:01 PM

Run Time: 10.00 min

Integration Time: 1.0000

Integration Factor: 1.0000

Data File: 15400V1408030.DAW

Int. File: 15400V1408030.DAT

Instrument: 15400V1408030.DAW

Mass File: 15400V1408030.DAT

Sample Name: 15-005x10

Injection Volume: 10.0000

Integration Factor: 1.0000

Volume

Injection

Area: 15400V1408030.DAT

Integration Factor: 1.0000

Volume

Injection

Area: 15400V1408030.DAT

Integration Factor: 1.0000

Volume

Injection

Volume

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Injection

PESTICIDE/PCB REPORT

Component Name	Area (mV*sec)	Height (mV)	Integration Factor	Adjusted Amount	Raw Amount	Concentration (PPB)
1	1578665.35	152958.84	1578665	0.0	1.6	1.6
2	14505.00	14026.11	14505	0.0	0.1	0.1
3	15147.55	14463.57	15147	0.0	0.1	0.1
4	104738.25	15115.44	104738	0.0	0.3	0.3
5	120803.50	149490.75	120803	0.0	0.8	0.8
6	1104918.52	212944.39	1104918	0.0	1.1	1.1
7	115057.00	15136.41	115057	0.0	0.1	0.1
8	144035.55	17744.35	144035	0.0	0.3	0.3
9	155410.50	14451.55	155411	0.0	0.1	0.1
10	12714.00	12002.09	12714	0.0	0.0	0.0
11	153358.00	15332.57	153358	0.0	0.6	0.6
12	11579.00	1475.40	11579	0.0	0.0	0.0
13	150168.05	15923.81	150168	0.0	0.1	0.1
14	12484.03	1636.54	12484	0.0	0.0	0.0
15	150111.27	15104.05	150111	0.0	0.1	0.1
16	15181.57	14205.81	15181	0.0	0.1	0.1
17	14014.04	1416.80	14014	0.0	0.0	0.0
18	15426.15	15143.78	15426	0.0	0.1	0.1
19	15163.65	1476.80	15163	-1.1e3	-1.1e3	-1.1e3
20	15416.50	1532.35	15417	0.0	0.0	0.0
21	11200.14	12413.25	11200	0.0	0.1	0.1
22	17764.56	1558.38	17765	0.0	0.0	0.0
23	15366.00	14285.25	15366	0.0	0.1	0.1
24	15026.20	1519.44	15026	0.0	0.1	0.1
25	102237.47	16350.09	102238	0.0	0.1	0.1
26	158970.33	15104.72	158970	0.0	0.1	0.1

	4532	50305.06	12850.97	50305	0.0	0.1	0.1
	453	494234.53	75169.83	494235	0.0	0.5	0.5
	451	48526.00	11835.42	48526	0.0	0.1	0.1
920 D-BHC	450	10894.00	2971.81	10894	0.0	1.3	1.3
	449	70231.97	12755.21	70232	0.0	0.1	0.1
	448	14466.95	2047.33	14467	0.0	0.0	0.0
	447	99516.00	15399.90	99516	0.0	0.1	0.1
	446	3176.99	1492.74	3177	0.0	0.0	0.0
930 HEPTACHL	445	13711.50	746.12	13710	0.0	0.0	0.0
	444	17398.50	2593.25	17399	0.0	0.0	0.0
	443	29566.06	4792.34	29566	0.0	0.0	0.0
	442	40739.11	13023.47	40739	0.0	0.1	0.1
935 ALDRIN	441	10792.89	3258.14	10793	0.0	0.5	0.5
	440	3126.17	8446.07	3126	0.0	0.0	0.0
	439	18768.34	4497.30	18769	0.0	0.0	0.0
	438	19964.06	4427.07	19964	0.0	0.0	0.0
940 HEPTACHL	437	19945.95	3735.54	19946	0.0	0.0	0.0
	436	4982.00	7914.35	4982	0.0	0.9	0.9
	435	0.79.40	1.63.71	0.79	0.0	0.0	0.0
	434	44311.50	6597.38	44311	0.0	0.1	0.1
945 DDT	433	12292.36	4026.06	12292	0.0	0.5	0.5
	432	12760.91	3553.29	12761	0.0	0.0	0.0
945 DDT	431	1375.98	4988.34	1376	0.0	1.6	1.6
945 DDT	430	1.15.14	1.13.47	0.05	0.0	0.0	0.0
	429	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	428	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
950 DDT	427	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
955 DDT	426	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	425	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	424	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
960 ENDRI	423	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
965 ENDRI	422	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	421	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	420	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
970 DDT	419	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
980 ENDRI	418	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	417	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
975 ENDOSULF	416	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
985 DDT	415	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	414	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	413	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	412	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	411	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
985 ENDRI	410	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	409	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	408	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
990 METHOXY	407	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	406	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	405	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	404	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	403	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	402	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	401	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
990 (SUAR)	400	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	399	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	398	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	397	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	396	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	395	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	394	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	393	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	392	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	391	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	390	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	389	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	388	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	387	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	386	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	385	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	384	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	383	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	382	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	381	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	380	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	379	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	378	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	377	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	376	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	375	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	374	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	373	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	372	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	371	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	370	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	369	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	368	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	367	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	366	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	365	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	364	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	363	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	362	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	361	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	360	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	359	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	358	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	357	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	356	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	355	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	354	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	353	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	352	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	351	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	350	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	349	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	348	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	347	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	346	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	345	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	344	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	343	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	342	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	341	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	340	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	339	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	338	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	337	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	336	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	335	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	334	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	333	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	332	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	331	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	330	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	329	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	328	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	327	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	326	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	325	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	324	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	323	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	322	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	321	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	320	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	319	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	318	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	317	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	316	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	315	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	314	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	313	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	312	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	311	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	310	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	309	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	308	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	307	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	306	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	305	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	304	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	303	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	302	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	301	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	300	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	299	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	298	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	297	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	296	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	295	1.13.47	1.13.47	1.13.47	0.0	0.0	0.0
	294	1.13.47					

Sample Name : 100-075010

Sample #: 30

Page 1 of 1

FileName : 100-075010-06030.raw

Date : 4/8/94 02:31 PM

Art Time

End Time : 19.00 min

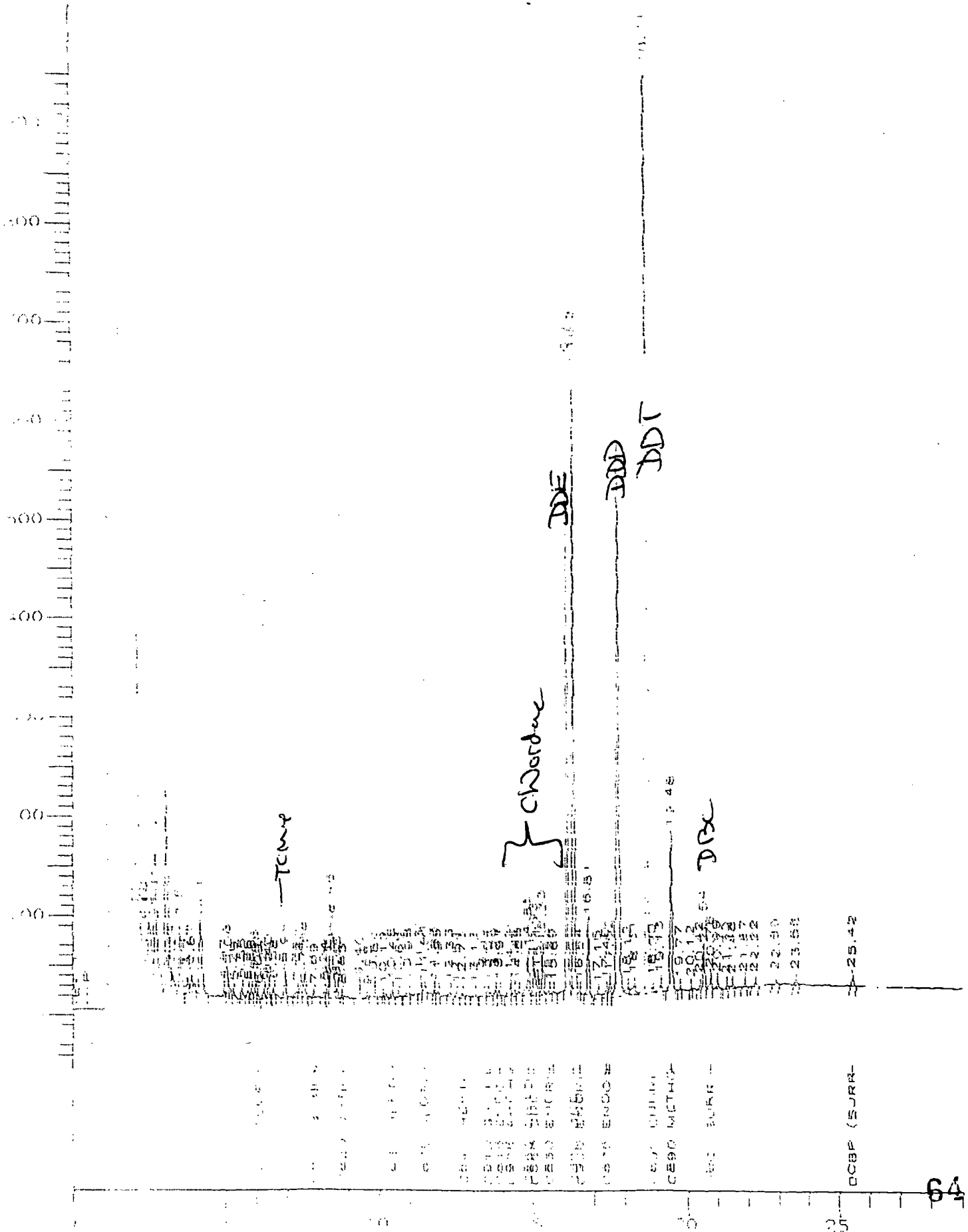
Low Point : -17.49 mV

High Point : 952.31

File Factory

Plot Offset: -43 mV

Plot Scale: 1000 mV



Sample Name : 1415-005x10
Sample Number: 30
Operator :
Instrument : VARIAN 3400 ECD
Injection Sampler : NONE
Injection Volume : 0/0

Time : 4/6/94 10:51 AM
Study :

Confirmatory Analysis

Channel : 8 A/D mV Range : 1000

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 07:19 AM
Delay Time : 0.00 min
Sample Time : 29.00 min
Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406030.raw
Result File : d:\3400\b406030.rst
Instrument File: d:\2700\methdan\qtmpesa.ins
Process File : d:\2700\methdan\qtmpesp.prc
Sample File : d:\2700\methdan\qtmpesp.smp
Sequence File : d:\3400\b406000.seq

Injection Volume : 1.001 Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00
S/N Threshold: 100 Area Threshold : 100 Runch Factor: 1
Signal : 1.0000 Divisor : 1.0000 Adder : 0.0000

Instrument Conditions:

Number of Peaks Detected: 122

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uv*sec]	Height [uv]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.025	18030364.00	1.09e6	18030364	0.0	18.0	18.0
	2.375	11008385.00	1.01e6	11008385	0.0	11.0	11.0
	2.869	623964.00	113463.83	623964	0.0	0.6	0.6
	3.339	578868.06	114993.11	578868	0.0	0.6	0.6
	3.665	495510.97	64652.23	495511	0.0	0.5	0.5
	3.889	34817.13	7090.56	34817	0.0	0.0	0.0
	3.995	15739.86	4750.41	15740	0.0	0.0	0.0
	4.084	30257.98	4892.81	30258	0.0	0.0	0.0
	4.285	215858.03	28778.69	215858	0.0	0.2	0.2
	4.581	67768.58	8199.68	67769	0.0	0.1	0.1
	4.745	85613.38	14529.28	85613	0.0	0.1	0.1
	4.919	17201.92	4234.58	17202	0.0	0.0	0.0
	5.155	84544.30	9882.64	84544	0.0	0.1	0.1
	5.347	276064.50	60120.89	276065	0.0	0.3	0.3
	5.500	109089.19	19106.31	109089	0.0	0.1	0.1
	5.639	16775.87	4029.16	16776	0.0	0.0	0.0
	5.805	87637.69	12367.72	87638	0.0	0.1	0.1
	6.008	48274.42	10250.41	48274	0.0	0.1	0.1
	6.104	25011.70	5322.85	25012	0.0	0.0	0.0
	6.252	39183.06	3890.78	39183	0.0	0.0	0.0
	6.555	59151.44	16639.49	59151	0.0	0.1	0.1
	6.623	68906.86	13956.06	68907	0.0	0.1	0.1
	6.916	118442.33	33936.56	118442	0.0	0.1	0.1
TCMX (SURR)	7.160	182003.52	45532.09	182004	-0.8	-0.8	-0.8
	7.293	6089.69	1406.47	6090	0.0	0.0	0.0
	7.552	24128.00	6074.11	24128	0.0	0.0	0.0
	7.738	12170.11	3096.34	12170	0.0	0.0	0.0

29		7.967	23568.55	6804.53	23569	0.0	0.0	0.0
30		8.046	6901.50	1925.82	6902	0.0	0.0	0.0
		8.159	2978.52	1036.49	2979	0.0	0.0	0.0
		8.264	15634.67	3940.89	15635	0.0	0.0	0.0
3	CB10 A-8HC	8.345	7775.48	2554.03	7776	0.5	0.5	0.5
		8.465	16086.67	3781.50	16087	0.0	0.0	0.0
		8.696	299460.19	72726.40	299460	0.0	0.3	0.3
		8.994	10192.87	2505.29	10193	0.0	0.0	0.0
77	CB15 B-8HC	9.126	41628.61	7726.46	41629	0.7	0.7	0.7
		9.267	12202.05	2815.19	12202	0.0	0.0	0.0
	CB25 LINDANE	9.388	16800.00	5096.39	16800	0.8	0.8	0.8
		9.651	6153.16	1391.58	6153	0.0	0.0	0.0
		9.771	52480.80	12154.83	52481	0.0	0.1	0.1
		9.880	31125.33	5853.46	31125	0.0	0.0	0.0
	CB20 D-8HC	10.052	18808.11	3341.06	18808	0.9	0.9	0.9
		10.234	17375.20	3626.82	17375	0.0	0.0	0.0
		10.319	39168.80	6466.36	39169	0.0	0.0	0.0
		10.458	19542.60	3293.33	19543	0.0	0.0	0.0
		10.685	16277.82	3106.15	16278	0.0	0.0	0.0
		10.748	18113.13	3443.80	18113	0.0	0.0	0.0
		10.995	50549.05	4549.16	50549	0.0	0.1	0.1
		11.151	21033.60	4385.62	21034	0.0	0.0	0.0
		11.261	39669.16	5135.07	39669	0.0	0.0	0.0
		11.518	61216.11	7461.77	61216	0.0	0.1	0.1
	CB30 HEPTACHLOR	11.624	43507.34	5839.68	43507	0.6	0.6	0.6
		11.765	36361.04	5371.62	36361	0.0	0.0	0.0
		11.938	45280.39	6976.23	45280	0.0	0.1	0.1
		12.108	5321619.00	1.05e6	5321619	0.0	5.3	5.3
		12.389	74041.00	13207.73	74041	0.0	0.1	0.1
	CB35 ALDRIN	12.810	8557.71	1661.97	8558	0.0	0.0	0.0
		12.905	21574.45	4313.24	21575	0.0	0.0	0.0
		13.063	132132.30	27406.33	132132	0.0	0.1	0.1
		13.244	49438.50	12735.94	49439	0.0	0.1	0.1
		13.495	96862.16	26256.52	96862	0.0	0.1	0.1
		13.652	74886.72	20192.81	74887	0.0	0.1	0.1
		13.764	7254.13	2034.55	7254	0.0	0.0	0.0
	CB40 HEPTACHLOR EPOX	13.980	3552.15	1075.84	3552	0.5	0.5	0.5
		14.143	1261677.00	328509.25	1261677	0.0	1.3	1.3
		14.371	173725.36	45419.66	173725	0.0	0.2	0.2
	CB10 G-CHLORDANE	14.684	10284.33	2836.33	10284	0.8	0.8	0.8
		14.816	7391.92	1883.93	7392	0.0	0.0	0.0
		14.896	4428.08	1351.16	4428	0.0	0.0	0.0
	CB45 ENDO 1	14.994	3165.67	1007.47	3166	0.5	0.5	0.5
	CB05 A-CHLORDANE	15.165	689.00	386.65	689	1.1	1.1	1.1
		15.322	1098652.00	276395.31	1098652	0.0	1.1	1.1
		15.426	391470.81	102689.22	391471	0.0	0.4	0.4
		15.640	14220.13	3161.75	14220	0.0	0.0	0.0
	CB50 DIELDRIN	15.749	18013.86	2479.66	18014	0.3	0.3	0.3
	CB55 DDE	15.934	33168.69	6563.64	33169	1.1	1.1	1.1
		16.123	10054.57	1771.95	10055	0.0	0.0	0.0
		16.223	10501.22	2454.64	10501	0.0	0.0	0.0
	CB60 ENDRIN	16.396	2482292.00	619238.25	2482292	8.3	8.3	8.3
	CB65 ENDO 2	16.674	456558.84	94667.84	456559	2.3	2.3	2.3
	CB70 ODD	17.121	36531.06	4233.78	36531	1.8	1.8	1.8
	CB00 ENDRIN ALDEHYDE	17.267	39573.75	3486.49	39574	0.8	0.8	0.8
		17.603	26538.44	2660.53	26538	0.0	0.0	0.0
		17.768	13569.41	2347.99	13569	0.0	0.0	0.0
		17.851	11712.86	2578.13	11713	0.0	0.0	0.0
	CB75 ENDOSULFATE	17.947	25438.05	6014.91	25438	2.5	2.5	2.5
	CB85 ODT	18.047	41805.91	9061.27	41806	1.6	1.6	1.6
		18.262	8139.92	1185.93	8140	0.0	0.0	0.0
		18.435	6745.28	1662.39	6745	0.0	0.0	0.0
		18.525	9709.31	1909.24	9709	0.0	0.0	0.0
		18.683	7193.22	1359.09	7193	0.0	0.0	0.0
		18.748	4406.60	1400.71	4407	0.0	0.0	0.0

95	0895 ENDURIN ACETONE	19.034	87924.91	22398.34	87925	2.7	2.7	2.7
96		19.486	9016.50	1033.08	9017	0.0	0.0	0.0
		19.629	8717.53	1925.72	8718	0.0	0.0	0.0
	C890 METHOXYCHLOR	20.021	12745.00	1707.41	12745	1.3	1.3	1.3
		20.288	8759.00	1173.35	8759	0.0	0.0	0.0
		20.637	3244.69	609.41	3245	0.0	0.0	0.0
	DBC (SURR)	20.816	2464.34	385.21	2464	-3.3	-3.3	-3.3
		21.217	19359.00	1791.47	19359	0.0	0.0	0.0
		21.692	31758.69	2006.13	31759	0.0	0.0	0.0
		21.959	5785.30	953.50	5785	0.0	0.0	0.0
		22.067	6248.00	1107.73	6248	0.0	0.0	0.0
		22.198	4316.61	964.25	4317	0.0	0.0	0.0
		22.357	13438.28	1742.77	13438	0.0	0.0	0.0
		22.481	10004.03	1564.17	10004	0.0	0.0	0.0
		22.703	6802.41	1043.32	6802	0.0	0.0	0.0
		22.835	29497.16	6513.85	29497	0.0	0.0	0.0
		23.117	8805.50	965.22	8806	0.0	0.0	0.0
		23.716	25906.88	1913.92	25907	0.0	0.0	0.0
		23.950	32798.13	2103.61	32798	0.0	0.0	0.0
		24.311	2865.50	362.05	2866	0.0	0.0	0.0
	DCBP (SURR)	24.585	876.00	346.72	876	-6.4	-6.4	-6.4
		24.694	1753.16	517.92	1753	0.0	0.0	0.0
		24.897	6562.81	582.20	6563	0.0	0.0	0.0
		25.148	4062.50	644.41	4063	0.0	0.0	0.0
		25.469	4604.03	717.42	4604	0.0	0.0	0.0
		25.732	1641.00	501.17	1641	0.0	0.0	0.0
		26.219	5572.00	756.95	5572	0.0	0.0	0.0
		26.447	3356.00	612.44	3356	0.0	0.0	0.0

45729296.00 5.66e6 45729296 18.5 60.6 60.6

RIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 OUM FILM DETECTOR=300C INJECTOR=250C

Sample Name : 1415-005x10
FileName : d:\3400\b406030.raw
Start Time : 0.00 min
Scale Factor: 1

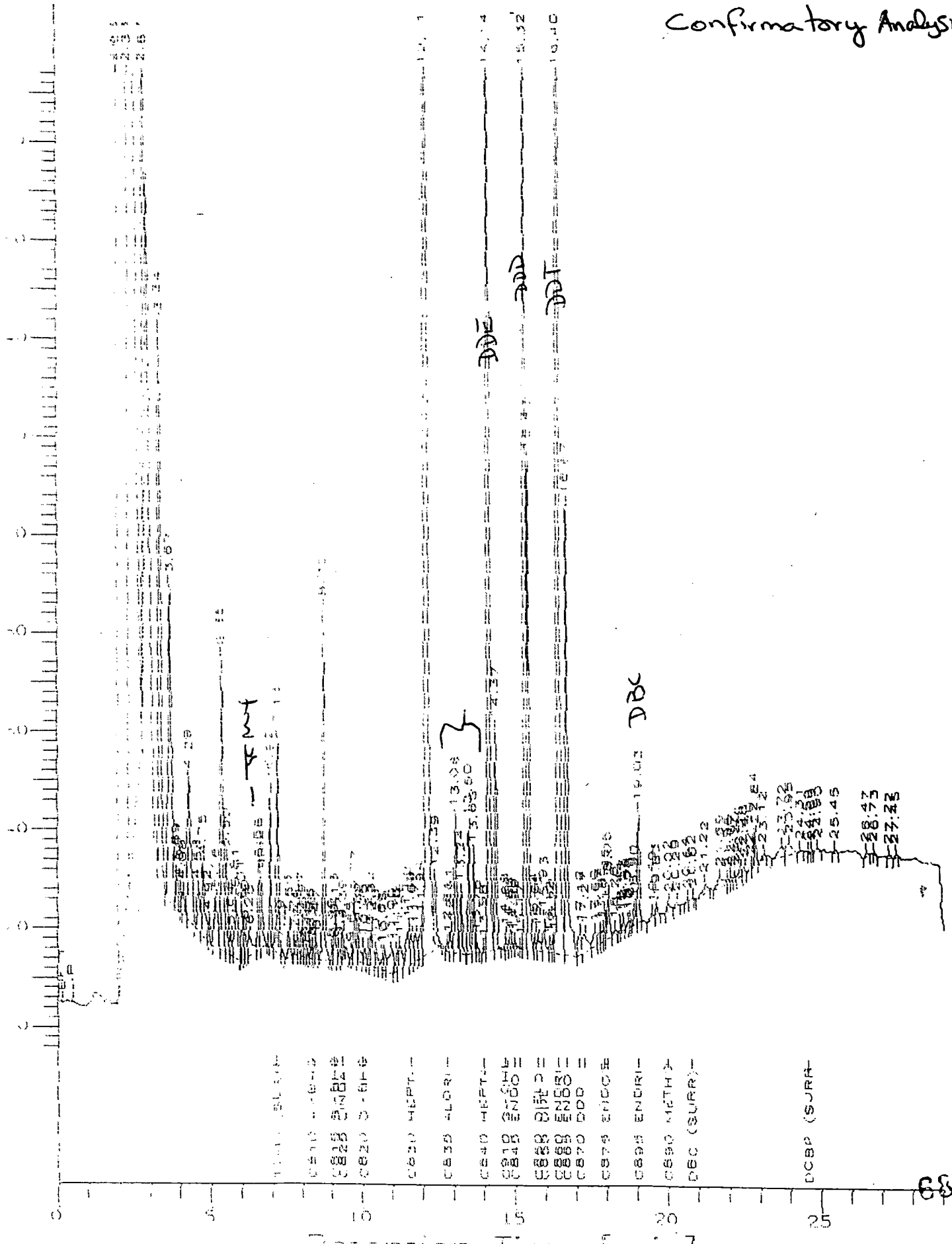
End Time : 19.00 min
Plot Offset: -6 mV

Sample #: 30
Date : 4/6/94 10:52 AM
Low Point : -5.86 mV
Plot Scale: 200 mV

Page 1 of 1

High Point : 194.14

Confirmatory Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.6

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-006SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATE RELEASE AUTHORIZED BY: James J. De...PERCENT MOISTURE: (Not Decanted) 19CONCENTRATION: 19

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94GPC CLEAN UP: pH:

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.06
319-84-6	alpha-BHC	<m.d.l.	.06
319-85-7	beta-BHC	<m.d.l.	.06
319-86-8	delta-BHC	<m.d.l.	.06
58-89-9	gamma-BHC	<m.d.l.	.06
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	0.29	.37
60-57-1	Dieldrin	<m.d.l.	.06
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.12
1031-07-8	Endosulfan Sulfate	<m.d.l.	.12
72-20-8	Endrin	<m.d.l.	.06
7421-36-3	Endrin Aldehyde	<m.d.l.	.31
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.06
1024-57-3	Heptachlor Epoxide	<m.d.l.	.06
72-43-5	Methoxychlor	<m.d.l.	.68
72-54-8	4,4'-DDD	0.41	.12
72-55-9	4,4'-DDE	0.32	.06
50-29-3	4,4'-DDT	2.10	.12

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.2
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 54.2 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

9.5471

TIME
STUDY

: 4/8/94 03:14 PM

900/4500 .

A/D mv Range : 1000

004 007

7. Jeune

DATE 04/21/2010 TIME 02:44 PM

Q. What is the date of the letter to the
Q. What is the date of the letter to the

[illegible]

FILE # 15 0807E\1007

15 (ORANGE) 100%

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-07-2009 BY 60322 UCBAW

$$f(x) = \frac{1}{2} \left(\frac{1}{x} + \frac{1}{x^2} \right) = \frac{1}{2} \left(\frac{x+1}{x^2} \right) = \frac{x+1}{2x^2}$$

6-10-1964

$$Q(t) = Q(0) + \int_0^t \left(\frac{1}{\gamma} \sum_{i=1}^n \frac{\partial^2}{\partial x_i^2} \left(\gamma \frac{\partial Q}{\partial x_i} \right) + \frac{1}{\gamma} \sum_{i=1}^n \frac{\partial}{\partial x_i} \left(\gamma \frac{\partial Q}{\partial x_i} \right) \right) dt$$

2000

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4444-4445

663

1. JOURNAL OF THE

$$\left\{ \begin{array}{l} x \\ y \\ z \end{array} \right\} = \frac{1}{\sqrt{\lambda_1}} \left(\begin{array}{c} \cos \theta \\ \sin \theta \\ 0 \end{array} \right) \quad \text{and} \quad \left\{ \begin{array}{l} u \\ v \\ w \end{array} \right\} = \frac{1}{\sqrt{\lambda_2}} \left(\begin{array}{c} -\sin \theta \\ \cos \theta \\ 0 \end{array} \right).$$

1. 1. 1.

$$* \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

PESTICIDE/PCR REPORT

Name	Area	Height	(in)	Factor	Amount	(ppm)
CONCENTRATION						

[illegible]

29	9.881	108454.25	11231.85	108454	0.0	0.1	0.1
30	10.021	40492.73	8202.33	40493	0.0	0.0	0.0
0830 HEPTACHLOR	10.186	89406.16	16705.34	89406	0.1	0.1	0.1
	10.990	30237.00	8692.39	30237	0.0	0.0	0.0
	11.103	5718.02	1887.22	5718	0.0	0.0	0.0
	11.254	17583.88	4065.66	17584	0.0	0.0	0.0
	11.375	42793.98	10732.85	42794	0.0	0.0	0.0
835 ALDRIN	11.499	52421.16	11288.16	52421	0.5	0.5	0.5
	11.673	13597.00	2583.65	13597	0.0	0.0	0.0
	11.945	47315.69	7332.31	47316	0.0	0.1	0.1
	12.177	35746.61	7589.91	35747	0.0	0.0	0.0
	12.316	76361.69	7920.11	76362	0.0	0.0	0.0
	12.543	17040.48	4347.21	17041	0.0	0.0	0.0
840 HEPTACHLOR EPOX	12.685	5059.08	753.10	5059	0.4	0.9	0.9
	13.081	30367.00	4073.88	30367	0.0	0.0	0.0
	13.448	26264.81	4421.44	26265	0.0	0.0	0.0
845 D-DENDROANE	13.534	17377.10	4680.18	17377	0.5	0.5	0.5
845 EPOX	13.791	8943.00	1027.83	8943	0.0	0.0	0.0
845 D-DENDROANE	14.262	14332.12	30706.92	14332	0.0	0.0	0.0
	14.375	31442.72	10643.01	31443	0.0	0.0	0.0
	14.490	4491.00	1153.69	13991	0.0	0.0	0.0
	14.730	25893.61	4486.18	25894	0.0	0.0	0.0
850 D-DENDROANE	14.851	33712.45	6648.97	33711	0.0	0.0	0.0
850 EPOX	14.915	29920.44	4414.01	29920	0.0	0.0	0.0
	15.075	8746.00	4499.42	18246	0.0	0.0	0.0
	15.125	29821.01	4333.37	45623	0.0	0.0	0.0
860 ENDRIIN	15.374	7193.30	7447.31	3193	0.0	0.0	0.0
	15.694	11345.57	4413.54	7136	0.0	0.0	0.0
	15.767	43760.40	4360.25	18761	0.0	0.0	0.0
	15.984	42966.20	4040.62	42966	0.0	0.0	0.0
	16.134	3987871.05	978516.56	3987871	0.0	4.0	4.0
870 DDD	16.356	1118285.63	309590.50	1118286	3.1	3.1	3.1
	16.812	449744.34	10119.59	449744	0.0	0.0	0.0
	17.116	45202.88	4353.60	45203	0.0	0.1	0.1
	17.214	48874.25	7787.43	48874	0.0	0.1	0.1
85 ENOSULFATE	17.404	1804.13	15727.56	91804	5.5	5.5	5.5
855 DDD	17.524	62477.53	14558.21	62478	1.5	1.5	1.5
	17.739	1920000.50	559344.94	1920001	0.0	0.9	0.9
	18.073	33054.08	4783.24	33054	0.0	0.0	0.0
	18.213	56145.50	4539.17	56146	0.0	0.1	0.1
	18.312	155580.28	4609.45	155580	0.0	0.2	0.2
	18.675	7173816.50	8686	7173817	0.0	0.2	0.2
895 ENDRIIN KETONE	18.906	107202.00	21997.05	107202	3.5	3.5	3.5
	19.047	40177.00	7781.90	40177	0.0	0.0	0.0
	19.135	41183.53	7439.56	41184	0.0	0.0	0.0
	19.389	102120.53	27124.84	102121	0.0	0.1	0.1
890 METHOXYCHLOR	19.450	492733.25	128172.75	492733	0.0	0.0	0.0
	19.741	199063.19	40282.14	199063	0.0	0.2	0.2
	20.264	64849.28	7550.99	64849	0.0	0.1	0.1
	20.420	35944.50	7108.01	35945	0.0	0.0	0.0
	20.540	194153.31	43440.78	194153	0.0	0.2	0.2
	20.671	70710.75	16498.42	70711	0.0	0.1	0.1
90 DDDRR	20.762	194225.22	49940.82	194225	0.1	0.1	0.1
	20.989	8290.39	1768.12	8290	0.0	0.0	0.0
	21.169	7456.25	7291.83	7456	0.0	0.0	0.0
	21.301	44112.52	10579.63	44113	0.0	0.0	0.0
	21.397	58676.69	9545.63	58677	0.0	0.0	0.0
	21.477	59899.58	15225.52	59900	0.0	0.1	0.1
	21.680	12874.88	7627.27	12875	0.0	0.0	0.0
	21.869	71038.03	19026.46	71038	0.0	0.1	0.1
	22.221	60011.00	5651.59	60011	0.0	0.1	0.1
	22.382	4795.00	4176.02	4795	0.0	0.0	0.0
	22.570	6795.00	1630.58	6795	0.0	0.0	0.0
	22.884	101015.00	27295.98	101015	0.0	0.1	0.1

95	24.629	18746.00	3724.57	18746	0.0	0.0	0.0
96	24.937	40460.50	7614.17	40461	0.0	0.0	0.0
	24.102	12747.44	15516.43	12747	0.8	0.8	0.8
	24.140	15949.00	3549.04	15949	0.0	0.1	0.1
	24.655	76718.56	12093.73	76719	0.0	0.1	0.1
	24.981	33730.91	1094.94	33731	0.0	0.1	0.1

27078388.00 24.981 27078388 11.123 11.123 11.123

608

Sample Name : 1415-006x10

- 1100-2100 . 1113 1001, 2408031 . r 2100

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Ind Time 13:00 est

Not listed in any of the

Sample #: 31

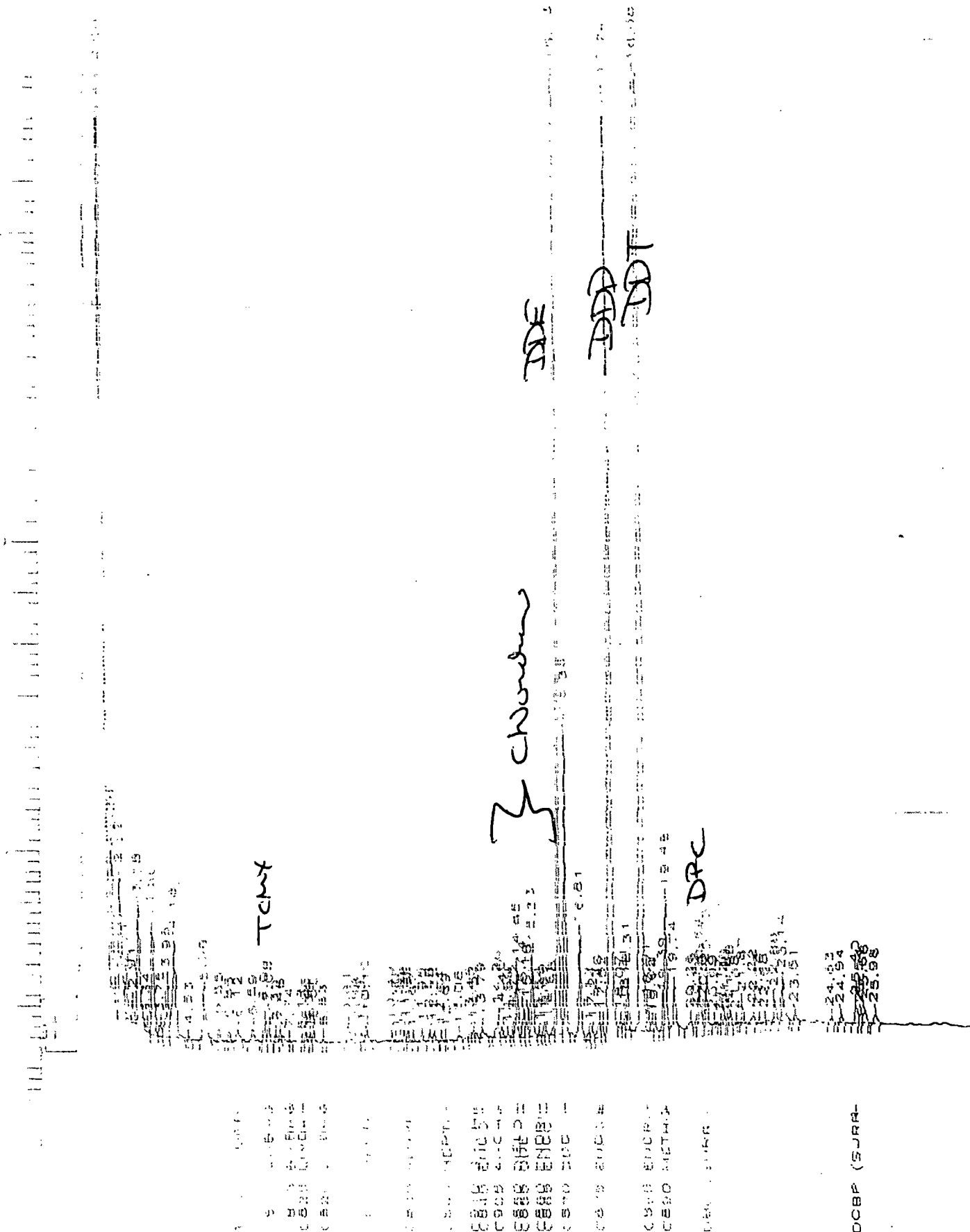
Date : 7/8/94 03:14 PM

Low Point : -44.72 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.28



1-227 (6) 1100

Sample Name : 1415-006x10

Sample Number :

Operator :

Time : 4/6/94 11:26 AM

Study :

Confirmatory Analysis

Instrument : LARIAN 3400 ECD

AutoSampler : NONE

Injection Volume : 10

Channel : 8 A/D mV Range : 1000

Interface Serial : 0122572086 Data Acquisition Time: 4/5/94 08:59 AM

Run Time : 00 min.

Sample Time : 00 min.

Sampling Rate : 1000 pts/sec

Raw Data File : 1415006x10.b406033.raw

ASCII File : 1415006x10.b406033.lst

Report File : 1415006x10.merhdan\qtrmpesa.rpt

Base File : 1415006x10.merhdan\qtrmpesa.prc

Data File : 1415006x10.merhdan\qtrmpesa.smp

Data File : 1415006x10.b406033.seq

Volume :

Total Amount : 5000

Area Reject : 100.00

Dilution Factor : 1.00

Injection Volume :

Injection Volume : 10

Area Threshold : 100

Area Threshold : 100

Run Factor: 1

Adder : 0.0000

Injection Volume :

Injection Volume : 10 Peaks Detected: 100

PESTICIDE/PCB REPORT

Component Name	Time (min)	Area (uv*sec)	Height (uv)	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1.160	154343.39	22695.11	154343	0.0	0.2	0.2	
2.461	4033344.00	635056.63	4033344	0.0	4.0	4.0	
3.532	4205586.00	544209.75	4205586	0.0	4.2	4.2	
4.149	618318.44	98187.41	618318	0.0	0.6	0.6	
5.321	261406.13	55901.61	261406	0.0	0.3	0.3	
6.602	343841.84	58030.14	343842	0.0	0.3	0.3	
7.723	77339.38	16958.50	77339	0.0	0.1	0.1	
8.808	101088.41	23817.42	101088	0.0	0.1	0.1	
9.938	565120.38	90758.26	565120	0.0	0.6	0.6	
11.164	23837.00	5244.64	23837	0.0	0.0	0.0	
12.294	10927.48	3198.05	10928	0.0	0.0	0.0	
13.602	329139.34	39255.74	329139	0.0	0.3	0.3	
14.749	16108.00	5161.59	16108	0.0	0.0	0.0	
15.877	39781.73	7032.87	39782	0.0	0.0	0.0	
16.938	53262.91	11181.35	53263	0.0	0.1	0.1	
18.230	8653.05	2451.77	8653	0.0	0.0	0.0	
19.380	21955.11	4881.71	21955	0.0	0.0	0.0	
20.459	24643.94	5234.63	24644	0.0	0.0	0.0	
21.665	142731.44	40755.96	142731	0.0	0.1	0.1	
22.799	91157.72	17811.06	91158	0.0	0.1	0.1	
23.943	6784.00	2020.80	6784	0.0	0.0	0.0	
25.053	4058.83	1219.75	4059	0.0	0.0	0.0	
26.177	19263.21	3853.11	19263	0.0	0.0	0.0	
27.315	10605.80	2867.13	10606	0.0	0.0	0.0	
28.411	58362.88	15821.55	58363	0.0	0.1	0.1	
29.578	86272.00	20565.72	86272	0.0	0.1	0.1	
30.645	3746.52	921.86	3747	0.0	0.0	0.0	

29	1.476	20708.81	8174.21	40709	0.0	0.0	0.0
30	7.870	2464.58	659.25	2465	0.0	0.0	0.0
	7.948	1780.41	617.15	1780	0.0	0.0	0.0
	4.075	5850.00	1231.65	5850	0.0	0.0	0.0
	4.172	13714.00	3920.11	13714	0.0	0.0	0.0
0810 A-BHC	4.388	115314.00	23274.29	115314	0.7	0.7	0.7
	8.595	90181.00	17894.88	90181	0.0	0.1	0.1
0815 B-BHC	4.046	167318.83	43586.60	167319	1.4	1.4	1.4
0825 LINDANE	4.318	30702.67	3812.54	30703	0.8	0.8	0.8
	4.546	19442.45	2873.02	19443	0.0	0.0	0.0
	4.716	70742.48	9349.91	70743	0.0	0.1	0.1
0820 D-BHC	4.486	40560.60	5608.99	40561	1.0	1.0	1.0
	4.502	49704.97	11115.30	49705	0.0	0.1	0.1
	4.611	25182.22	4324.25	25182	0.0	0.0	0.0
	4.667	16365.66	2758.63	16366	0.0	0.0	0.0
	4.662	21693.05	4892.05	21693	0.0	0.0	0.0
	4.644	20807.94	4079.65	20808	0.0	0.0	0.0
	4.798	8748.63	2131.74	8749	0.0	0.0	0.0
	4.844	4600.99	1391.88	4601	0.0	0.0	0.0
	4.773	3428.00	876.78	3428	0.0	0.0	0.0
	4.726	14021.00	2992.79	14021	0.0	0.0	0.0
0830 HEPTACHLOR	4.597	31187.00	4566.79	31187	0.5	0.5	0.5
	4.552	27188.98	4152.30	27189	0.0	0.0	0.0
	4.577	21603.48	3788.88	21604	1.0	0.0	0.0
0835 ALDRIN	4.454	3598422.00	997826.25	3598422	5.4	5.4	5.4
	4.571	29123.00	3566.97	29123	1.0	0.1	0.1
	4.479	11289.02	1525.94	11289	0.0	0.0	0.0
	4.475	5186.90	869.78	5187	0.0	0.0	0.0
	4.436	31086.48	6748.65	31087	0.0	0.0	0.0
	4.407	193982.84	45855.98	193983	0.0	0.2	0.2
	4.582	84260.80	20510.72	84261	0.0	0.1	0.1
	4.524	1135.23	398.75	1135	0.0	0.0	0.0
0840 HEPTACHLOR EPOX	4.543	133198.13	33626.76	133198	0.8	0.8	0.8
	4.599	88185.24	21153.67	88185	0.0	0.1	0.1
	4.475	32741.18	7978.98	32741	0.0	0.0	0.0
	4.478	10738.65	1181.75	10739	0.0	0.0	0.0
0910 G-CHLORDANE	4.481	2081741.88	544881.50	2081742	5.4	5.4	5.4
0845 ENDO 1	4.412	267851.16	62019.48	267851	1.1	1.1	1.1
0905 A-CHLORDANE	4.638	9080.81	2016.85	9081	1.1	1.1	1.1
	4.458	23672.33	4443.02	23672	0.0	0.0	0.0
	4.466	47489.39	7840.75	47489	0.0	0.1	0.1
0850 DIELDRIN	4.511	4340.00	1519.80	4340	0.2	0.2	0.2
0855 DDE	4.664	1074455.13	271465.22	1074455	3.3	3.3	3.3
	4.570	1692691.63	445823.47	1692692	0.0	1.7	1.7
	4.397	21144.00	4928.19	21144	0.0	0.0	0.0
	4.086	13749.54	3678.94	13750	0.0	0.0	0.0
0860 ENDRIIN	4.674	147280.19	28556.54	147280	1.0	1.0	1.0
0865 ENDO 2	4.557	5200.06	1134.07	5200	0.5	0.5	0.5
0870 DDD	4.725	5981175.50	1.02e6	5981176	24.1	24.1	24.1
0900 ENDRIIN ALDEHYDE	4.520	340514.50	76953.10	340515	3.2	3.2	3.2
	4.181	50445.00	9055.98	50445	0.0	0.1	0.1
	4.323	44434.92	8900.33	44435	0.0	0.0	0.0
	4.546	37685.50	4528.64	37686	0.0	0.0	0.0
0875 ENDOSULFATE	4.930	6965.73	1685.45	6966	2.4	2.4	2.4
0885 DDT	4.381	20189.45	2940.03	20190	1.5	1.5	1.5
	4.207	31205.70	6834.57	31206	0.0	0.0	0.0
	4.235	44116.54	8824.55	44117	0.0	0.0	0.0
	4.397	171315.34	41362.09	171315	0.0	0.2	0.2
	4.517	29303.69	3843.72	29304	0.0	0.0	0.0
	4.790	14665.20	4101.03	14665	0.0	0.0	0.0
	4.671	35876.00	7091.01	35876	0.0	0.0	0.0
0895 ENDRIIN KETONE	4.093	9582.84	2874.86	9583	2.3	2.3	2.3
	4.261	87933.95	15083.79	87934	0.0	0.1	0.1
	4.379	110360.73	26335.15	110361	0.0	0.1	0.1
	4.577	3477.00	540.00	3477	0.0	0.0	0.0

95	19.793	112645.48	16723.82	112646	0.0	0.1	0.1
96	19.984	67987.48	15266.36	67988	0.0	0.1	0.1
97	20.377	22699.97	4135.73	22700	0.0	0.0	0.0
98	20.653	21370.00	3512.23	21370	-3.2	-3.2	-3.2
99	21.141	1205.00	264.91	1205	0.0	0.0	0.0
100	21.592	9293.03	1425.78	9293	0.0	0.0	0.0
101	22.147	2768.59	657.72	2769	0.0	0.0	0.0
102	22.777	21849.44	3489.48	21849	0.0	0.0	0.0
103	23.466	70507.22	10534.29	70507	0.0	0.1	0.1
104	24.218	5466.78	1154.20	5467	0.0	0.0	0.0
105	25.039	5343.78	1136.92	5344	0.0	0.0	0.0
106	25.934	8267.72	1432.57	8268	1.0	0.0	0.0
107	26.903	12944.00	1470.66	12944	0.0	0.0	0.0
108	27.957	4360.22	731.25	4360	0.0	0.0	0.0
109	29.106	29476.84	4987.23	29477	0.0	0.0	0.0
110	30.364	3183.94	647.86	3184	0.0	1.0	1.0
111	31.734	13122.00	1668.51	13122	0.0	0.0	0.0
112	33.218	3128.00	64.88	3128	0.0	0.0	0.0
113	34.817	10654.00	71.50	10654	-6.3	-6.3	-6.3
114	36.530	4112.65	345.68	4113	0.0	1.0	1.0
115	38.367	9692.64	1417.76	9693	0.0	0.0	0.0
116	40.338	3358.00	148.99	3358	1.0	1.0	1.0
117	42.451	1975.00	111.70	1975	0.0	0.0	0.0
118	44.806	12106.97	1111.49	12107	0.0	0.0	0.0
119	47.413	14669.00	1151.15	14669	0.0	0.0	0.0
120	50.283	4358.14	111.14	4358	0.0	0.0	0.0
121	53.428	68282.63	813.83	68283	0.0	0.1	0.1
122	56.854	1621.44	11.36	1621	0.0	0.0	0.0
123	60.566	15966.72	1784.63	15967	0.0	0.0	0.0

29432144.00	5.7866	29432144	48.2	63.5	63.5
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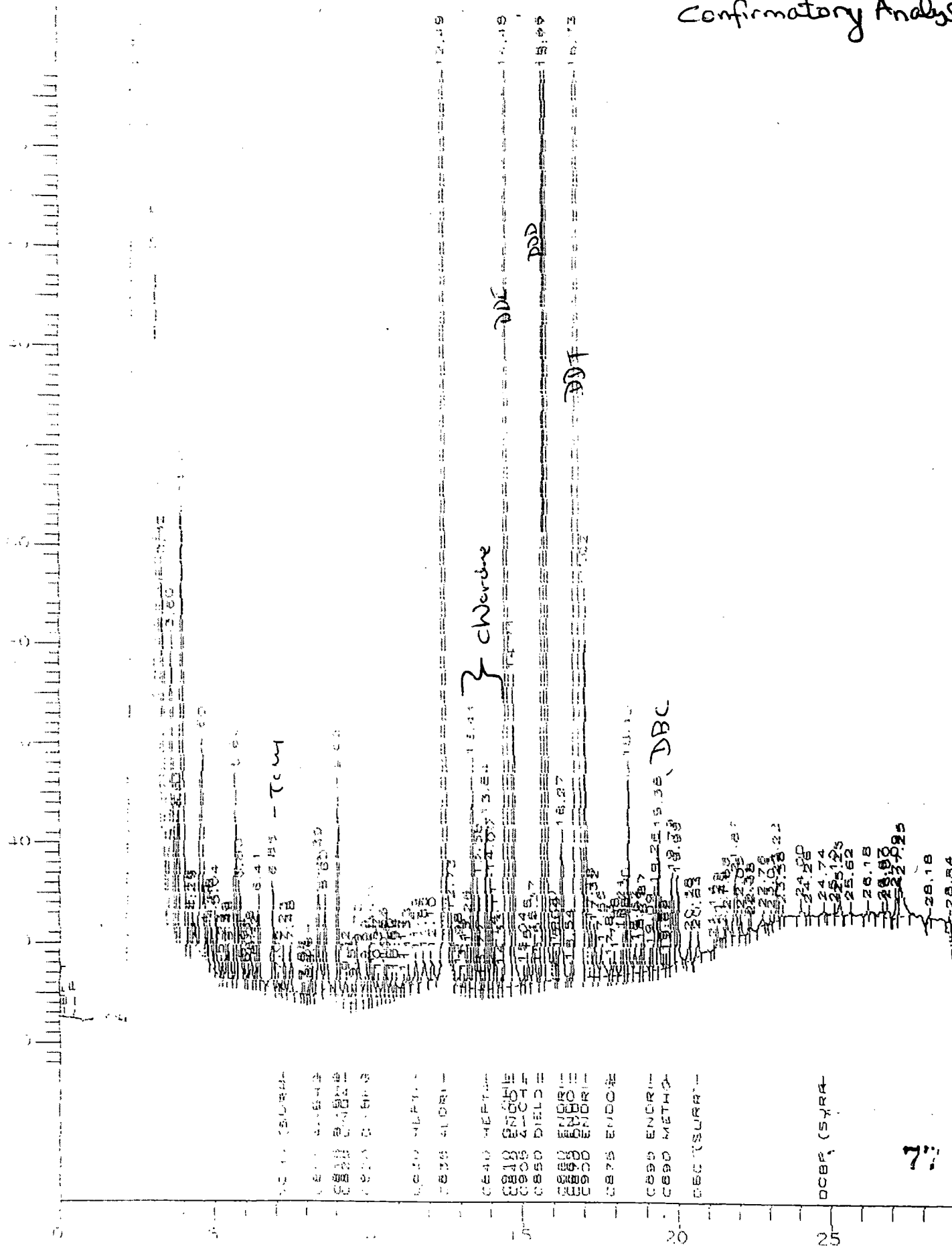
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TAN 3400 CARRY OUTLINE SPRING COM SUM 11
 TIME 10.000 INJECTOR 1500

=====

High Point : 194.16

Confirmatory Analysis



A/D mV Range : 1000

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

453 1. 5. 1964

1990

1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 26

CONTACT NAME	DATE	TYPE	RIGHT	ALLOCATION FACTOR	ALLOCATION AMOUNT	CONCENTRATION
	DATE	(INVEST)	(UNIT)		AMOUNT	(PPR)

78

1594539.50	885663.50	1596540	10.2	11.0	21.2
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79

Sample Name : 1415-001-100

Sample #: 23

Page 1 of 1

Filename : d:\data\1415001\1415001.raw

Date : 1/3/94 03:29 AM

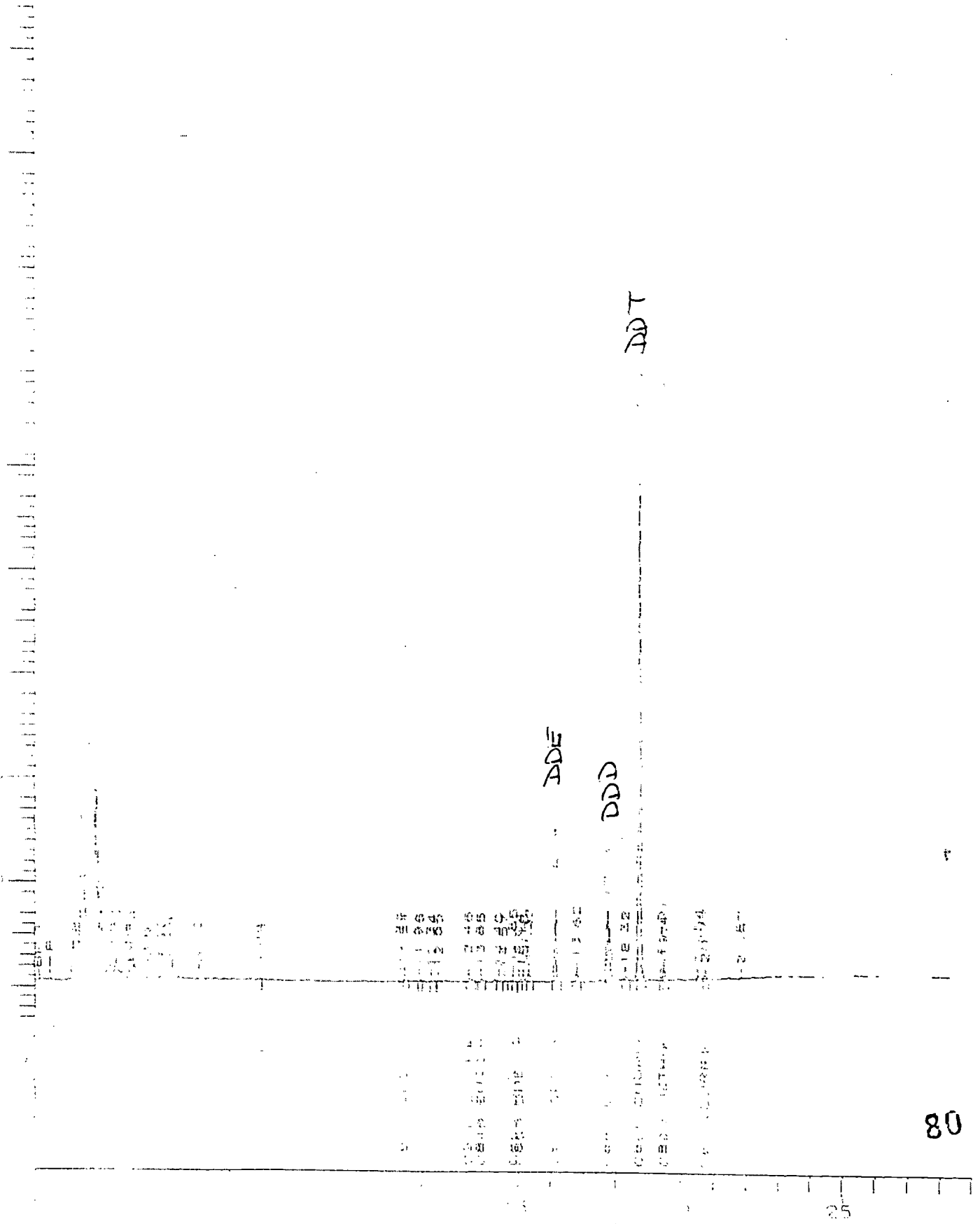
Start time : 0.00 min End time : 20.00 min

Low Point : -45.00 mV

High Point : 954.03

File Sector: 105 11768: 1.00 mV

Plot Size: 1000 mV



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.8

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-007SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATA RELEASE AUTHORIZED BY: Jan 1 JanPERCENT MOISTURE: (Not Decanted) 18CONCENTRATION:

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94GPC CLEAN UP: pH:

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.06
319-84-6	alpha-BHC	<m.d.l.	.06
319-85-7	beta-BHC	<m.d.l.	.06
319-86-8	delta-BHC	<m.d.l.	.06
58-89-9	gamma-BHC	<m.d.l.	.06
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	1.54	.37
60-57-1	Dieldrin	<m.d.l.	.06
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.12
1031-07-8	Endosulfan Sulfate	<m.d.l.	.12
72-20-8	Endrin	<m.d.l.	.06
7421-36-3	Endrin Aldehyde	<m.d.l.	.31
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.06
1024-57-3	Heptachlor Epoxide	<m.d.l.	.06
72-43-5	Methoxychlor	<m.d.l.	.67
72-54-8	4,4'-DDD	0.04J	.12
72-55-9	4,4'-DDE	0.05J	.06
50-29-3	4,4'-DDT	0.08J	.12

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.2
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs or Wg 52.0 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

29		7.462	840104.00	166846.11	840104	0.0	0.8	0.8
30	0815 B-BHC	1.887	32731.13	6154.91	32731	1.7	1.7	1.7
	1325 1-INDANE	1.321	93211.06	6727.59	93211	0.9	0.9	0.9
		1.344	17671.72	5549.84	17672	0.0	0.0	0.0
		1.460	231671.09	38804.52	231671	0.0	0.0	0.0
	1330 B-BHC	1.490	151003.94	33123.71	151004	1.4	1.4	1.4
		1.653	9388.00	2279.46	9388	0.0	0.0	0.0
		1.410	62116.00	10671.37	62116	0.0	0.1	0.1
		1.371	12870.75	1758.01	12871	0.0	0.0	0.0
		1.410	16428.91	11995.36	16429	0.0	0.0	0.0
		1.444	13066.39	4484.49	13066	0.0	0.0	0.0
		1.410	15532.50	1313.52	15533	0.0	0.0	0.0
	1340 B-BHC	1.481	14666.00	8573.45	14666	0.0	0.0	0.0
		1.410	1262.20	1608.82	1262	0.0	0.0	0.0
		1.410	14735.16	4475.11	14735	0.0	0.0	0.0
		1.493	125558.81	27126.55	125559	0.0	0.1	0.1
		1.410	168331.00	14576.41	168331	0.0	0.0	0.0
		1.410	16888.10	2410.88	16888	0.0	0.0	0.0
	1350 B-BHC	1.410	17739.70	17371.50	17740	0.0	0.0	0.0
		1.410	14213.45	5365.49	14214	0.0	0.0	0.0
		1.410	17494.71	1115.17	17495	0.0	0.0	0.0
		1.410	15925.14	1087.01	15925	0.0	0.0	0.0
		1.410	132212.97	61609.46	132213	0.0	0.0	0.0
		1.410	11125.12	1112.12	11125	0.0	0.0	0.0
		1.410	11125.12	1112.12	11125	0.0	0.0	0.0
	1360 B-BHC	1.410	11501.11	156.11	11502	0.0	0.0	0.0
		1.410	1450.11	1535.11	1450	0.0	0.0	0.0
		1.410	11004.11	1112.12	11005	0.0	0.0	0.0
		1.410	14190.59	15255.63	14191	0.0	0.0	0.0
		1.410	1611.81	1399.76	1612	0.0	0.0	0.0
		1.410	94401.50	22941.65	94402	0.0	0.0	0.0
	140 A-FLORIDANE	1.361	22573.00	1015.14	22573	0.5	0.5	0.5
		1.361	14671.50	4986.34	14672	0.0	0.0	0.0
	145 B-BHC	1.317	17156.00	12056.17	17156	0.0	0.0	0.0
	145 B-FLORIDANE	1.410	114114.12	16585.75	114114	0.0	0.0	0.0
		1.410	168241.42	47575.46	168241	0.0	0.0	0.0
		1.410	112588.17	14802.19	112588	0.0	0.0	0.0
		1.410	10862.52	17601.97	10863	0.0	0.0	0.0
		1.410	18034.75	19157.68	18035	0.0	0.0	0.0
		1.410	11694.17	1198.17	11695	0.0	0.0	0.0
		1.410	115060.71	15138.94	115061	0.0	0.0	0.0
	150 B-BHC	1.457	1405014.63	371415.03	1405015	0.0	0.0	0.0
	155 B-BHC	1.410	1021357.56	252846.67	1021358	0.0	0.0	0.0
		1.410	138591.11	136778.97	138591	0.0	0.0	0.0
	160 B-BHC	1.410	1370714.13	348690.13	1370714	0.0	0.0	0.0
		1.410	157313.78	17312.63	157314	0.0	0.0	0.0
		1.410	117855.15	20462.00	117855	0.0	0.0	0.0
	165 B-BHC	1.410	143187.31	12598.61	143187	0.0	0.0	0.0
		1.410	187298.56	48657.16	187299	0.0	0.0	0.0
	170 B-BHC	1.410	1022570.00	110166	1022570	0.0	0.0	0.0
	1900 B-BHC ALDEHYDE	1.410	51707.00	10225.03	51707	0.0	0.0	0.0
		1.410	104722.81	45505.88	104723	0.0	0.0	0.0
		1.410	102590.69	11453.31	102591	0.0	0.0	0.0
		1.410	13774.95	1756.35	13775	0.0	0.0	0.0
	195 B-BHC	1.410	18824.53	5603.03	18825	0.0	0.0	0.0
		1.410	176149.05	14568.56	176149	0.0	0.0	0.0
		1.410	190475.00	61276.68	190475	0.0	0.0	0.0
		1.410	27427.00	7421.98	27427	0.0	0.0	0.0
		1.410	54301.81	10283.75	54302	0.0	0.0	0.0
		1.410	17383.79	14963.02	17384	0.0	0.0	0.0
		1.410	10861.75	10401.75	10862	0.0	0.0	0.0
		1.410	635177.25	162729.28	635177	0.0	0.0	0.0
	195 B-BHC ALDEHYDE	1.410	22563.00	5736.15	22563	0.0	0.0	0.0
		1.410	50271.75	1001.96	50272	0.0	0.0	0.0

Sample Name : 1010

Sample #: 32

Page 1 of 1

File Name : 000032.raw

Date : 4/8/91 03:57 PM

Start Time : 00:00 min

Low Point : -14.70 mV

High Point : 955.30

Plot Offset : 10 mV

Plot Scale: 1000 mV

Chordone

DDF

DDC

DDI

Sample Name : 1415-007x10
Sample Number : 34
Operator :

Time : 4/6/94 11:37 AM
Study :

Confirmatory Analysis

STANDARD : VARIAN 3400 FCD
IONOMETER : NONE
MODE : STD

Channel : 8 A/D mV Range : 1000

DATA FILE : 0122572086 Data Acquisition Time : 4/5/94 09:32 AM

INTEGRATION : 0.00 min
INTEGRATION : 19.00 min
INTEGRATION : 0.0000 (137/560)

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DATA FILE : d:\3400\0406034 1.st
DATA FILE : d:\2700\methdan\qmpesa 1.st
DATA FILE : d:\2700\methdan\qmpesa 1.pr
DATA FILE : d:\2700\methdan\qmpesa 1.mo
DATA FILE : d:\3400\0406034 1.st

INTEGRATION : 1.00
INTEGRATION : 1.0000
INTEGRATION : 100.00
INTEGRATION : 1.00

INTEGRATION : 1.00
INTEGRATION : 1.0000
INTEGRATION : 100.00
INTEGRATION : 1.00

INTEGRATION : 1.00

INTEGRATION : 1.00

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [mV*sec]	Height [mV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.114	1557.50	745.47	1666	0.0	0.0	0.0
	2.242	11541637.00	892238.38	11541637	0.0	11.5	11.5
	3.137	15803561.00	828397.69	15803561	0.0	0.6	0.6
	3.324	480952.17	160196.61	480952	0.0	0.9	0.9
	3.657	859346.06	165785.03	859346	0.0	0.9	0.9
	3.986	2259374.00	287351.00	2259374	0.0	2.3	2.3
	4.232	84107.97	19499.30	84108	0.0	0.1	0.1
	4.354	145064.00	21178.13	145064	0.0	0.2	0.2
	4.647	215432.94	42547.31	215433	0.0	0.2	0.2
	4.960	87723.50	16270.99	87724	0.0	0.1	0.1
	5.028	50118.55	4917.37	50119	0.0	0.0	0.0
	5.294	28492.00	4809.78	28492	0.0	0.0	0.0
	5.520	125558.00	15876.40	125558	0.0	0.1	0.1
	5.752	740307.00	191408.75	740307	0.0	0.7	0.7
	5.897	144140.00	33493.25	144140	0.0	0.1	0.1
	6.099	4007.52	2013.02	4008	0.0	0.0	0.0
	6.212	14591.56	4264.82	14592	0.0	0.0	0.0
	6.293	28929.61	6605.66	28930	0.0	0.0	0.0
	6.412	42597.88	9478.97	42598	0.0	0.0	0.0
	6.513	30237.91	6236.61	30238	0.0	0.0	0.0
	6.673	55565.85	12990.90	55564	0.0	0.1	0.1
	6.754	49574.16	10982.56	49574	0.0	0.1	0.1
	6.988	36521.00	18248.32	36521	0.0	0.1	0.1
	7.108	27133.00	17646.05	27133	-1.1	-1.1	-1.1
	7.347	53270.00	9113.46	53270	0.0	0.1	0.1
	7.460	16503.00	5110.55	16503	0.0	0.0	0.0
	7.595	110654.69	28199.50	110655	0.0	0.1	0.1

27	1.902	21996.14	4359.41	21996	0.0	0.0	0.0
30	7.995	33685.80	8816.95	33686	0.0	0.0	0.0
	8.192	124013.53	26557.17	124014	0.0	0.1	0.1
	8.293	42348.95	9504.37	42349	0.0	0.0	0.0
0810 A-BHC	8.412	15764.83	4151.78	15765	0.5	0.5	0.5
	8.522	23260.88	3869.64	23261	0.0	0.0	0.0
	8.690	32873.47	4517.09	32874	0.0	0.0	0.0
	8.804	16247.99	3974.71	16248	0.0	0.0	0.0
	8.928	23348.47	4325.12	23349	0.0	0.0	0.0
0815 B-BHC	9.190	1409163.25	327874.91	1409163	7.9	7.9	7.9
0825 LINDANE	9.491	73515.00	8463.18	73515	0.9	0.9	0.9
	9.598	49971.00	9040.08	49971	0.0	0.1	0.1
	9.865	70161.36	18621.40	70161	0.0	0.1	0.1
0820 D-BHC	10.102	20426.22	4325.65	20426	0.9	0.9	0.9
	10.253	139171.97	34822.95	139172	0.0	0.1	0.1
	10.354	27815.00	6519.31	27815	0.0	0.0	0.0
	10.511	16820.75	3066.76	16821	0.0	0.0	0.0
	10.686	16972.44	3687.74	16972	0.0	0.0	0.0
	10.814	5131.00	1405.91	5131	0.0	0.0	0.0
	10.967	21174.00	6182.23	21174	0.0	0.0	0.0
	11.095	2119.00	1168.49	2119	0.0	0.0	0.0
	11.235	20619.28	3450.10	20619	0.0	0.0	0.0
	11.351	68158.91	14224.38	68159	0.0	0.1	0.1
	11.499	28274.02	6943.49	28274	0.0	0.0	0.0
0830 HEPTACHLOR	11.677	49706.73	8958.66	49707	0.6	0.6	0.6
	11.776	67425.92	15960.58	67426	0.0	0.1	0.1
	11.890	61250.08	11688.15	61250	0.0	0.1	0.1
	11.969	91715.77	14986.68	91716	0.0	0.1	0.1
	12.132	78268.95	12569.32	78269	0.0	0.1	0.1
	12.304	106502.88	15271.28	106503	0.0	0.1	0.1
	12.393	183010.61	39609.16	183011	0.0	0.2	0.2
0835 ALDRIN	12.642	8047537.50	1.03e6	8047538	14.2	14.2	14.2
	12.913	336100.00	57144.32	336100	0.0	0.3	0.3
	13.100	73561.00	11191.71	73561	0.0	0.1	0.1
	13.320	79799.56	13176.63	79800	0.0	0.1	0.1
	13.434	225025.69	46765.90	225026	0.0	0.2	0.2
	13.590	983375.00	262763.59	983375	0.0	1.0	1.0
	13.771	315686.97	84357.90	315687	0.0	0.3	0.3
0840 HEPTACHLOR EPOX	14.030	881638.25	241015.13	881638	2.3	2.3	2.3
	14.186	593678.63	165782.75	593679	0.0	0.6	0.6
	14.385	1461.91	1244.40	1462	0.0	0.0	0.0
0910 G-CHLORDANE	14.664	222043.84	39562.87	222044	1.3	1.3	1.3
	14.772	35051.00	8334.10	35051	0.0	0.0	0.0
	14.896	74505.50	20459.88	74506	0.0	0.1	0.1
0845 ENDO 1	15.001	24387.17	6476.83	24387	0.5	0.5	0.5
0905 A-CHLORDANE	15.106	6136.00	2202.59	6136	1.1	1.1	1.1
	15.224	39402.47	10893.94	39403	0.0	0.0	0.0
	15.535	54206.63	10093.71	54207	0.0	0.1	0.1
0850 DIELDRIN	15.702	32629.33	9038.65	32629	0.3	0.3	0.3
0855 DDE	15.852	138671.83	35405.89	138672	1.3	1.3	1.3
	15.962	334521.72	73827.73	334522	0.0	0.3	0.3
	16.195	16643.47	5026.62	16644	0.0	0.0	0.0
	16.279	17677.09	4783.91	17677	0.0	0.0	0.0
0860 ENDRIIN	16.364	48043.97	6001.80	48044	0.7	0.7	0.7
0865 ENDO 2	16.634	5420.92	1426.99	5421	0.5	0.5	0.5
	16.753	48512.55	10665.65	48513	0.0	0.1	0.1
	16.929	321099.66	83835.05	321100	0.0	0.3	0.3
0870 DDD	17.053	22755.00	6180.23	22755	1.7	1.7	1.7
0900 ENDRIIN ALDEHYDE	17.210	114720.33	23267.27	114720	1.4	1.4	1.4
	17.450	18906.00	4017.85	18906	0.0	0.0	0.0
	17.541	30603.16	5675.64	30603	0.0	0.0	0.0
	17.694	26236.06	4128.18	26236	0.0	0.0	0.0
	17.825	15266.38	2381.60	15266	0.0	0.0	0.0
0875 ENDOSULFATE	17.998	3569.26	1033.02	3569	2.3	2.3	2.3
0885 DDT	18.114	14124.00	2572.40	14124	1.1	1.1	1.1

95	18.336	10740.66	1963.01	10741	0.0	0.0	0.0
96	18.643	43757.25	5148.69	43757	0.0	0.0	0.0
97	18.801	14706.09	2856.09	14706	0.0	0.0	0.0
98	18.973	65671.22	10637.79	65671	0.0	0.1	0.1
99	19.200	6116.00	1045.83	6116	2.3	2.3	2.3
100	19.413	12344.81	1709.38	12345	0.0	0.0	0.0
101	19.561	129257.88	23390.74	129258	0.0	0.1	0.1
102	19.738	22250.92	4915.64	22251	0.0	0.0	0.0
103	19.897	12936.83	2671.63	12937	1.3	1.3	1.3
104	20.038	28424.94	1179.57	28425	1.0	0.0	0.0
105	20.189	17222.31	4538.84	17222	0.0	0.0	0.0
106	20.371	3962.61	493.83	3963	1.0	1.0	0.0
107	20.496	10775.81	2088.72	10776	0.0	0.0	0.0
108	20.662	13567.34	1771.24	13567	0.0	0.0	0.0
109	20.834	11153.81	1604.68	11154	-3.2	-3.2	-3.2
110	20.998	3689.50	560.38	3690	0.0	0.0	0.0
111	21.171	10228.51	50162.00	10230	0.0	0.0	0.0
112	21.349	12171.47	1296.53	12172	0.0	0.0	0.0
113	21.535	11371.77	1861.26	11372	0.0	0.0	0.0
114	21.697	4035.27	110.18	4035	1.0	0.0	0.0
115	21.871	1111.11	144.36	1111	0.0	0.0	0.0
116	22.055	1990.14	31.40	1990	1.0	0.0	0.0
117	22.239	1724.81	1651.97	1725	1.0	0.0	0.0
118	22.432	1432.37	173.41	1433	1.0	1.0	0.0
119	22.634	1411.11	177.11	1414	1.0	1.0	0.0
120	22.847	1352.77	174.17	1352	0.0	1.0	0.0
121	23.069	1908.00	1567.34	1908	0.0	1.0	0.0
122	23.301	1791.11	1501.17	1792	0.0	1.0	0.0
123	23.542	1615.00	456.87	1615	0.0	0.0	0.0
124	23.793	1475.00	173.43	1475	-6.0	-6.0	-6.0
125	24.055	13888.06	1483.58	13888	0.0	0.0	0.0
126	24.328	1557.50	131.92	1558	0.0	0.0	0.0
127	24.614	1747.00	139.67	1747	0.0	0.0	0.0
128	24.913	1403.00	468.68	1403	0.0	0.0	0.0
129	25.224	1274.33	668.26	1275	0.0	0.0	0.0
130	25.548	1187.00	123.55	1187	0.0	0.0	0.0
131	25.888	654.00	208.00	654	0.0	0.0	0.0

38197792.00 5.6486 38197792 53.2 60.1 60.1

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INSTRUMENT: 5400 CAPILLARY COLUMN CO. SPR-5 LOM X 0.5mm ID

DATE: 11/11/00 DETECTOR: 250C

=====

Sample Name : 1415-007x10

FileName : d:\3400\6406034.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 29.00 min

Plot Offset: -2 mV

Sample #: 34

Date : 4/6/94 11:38 AM

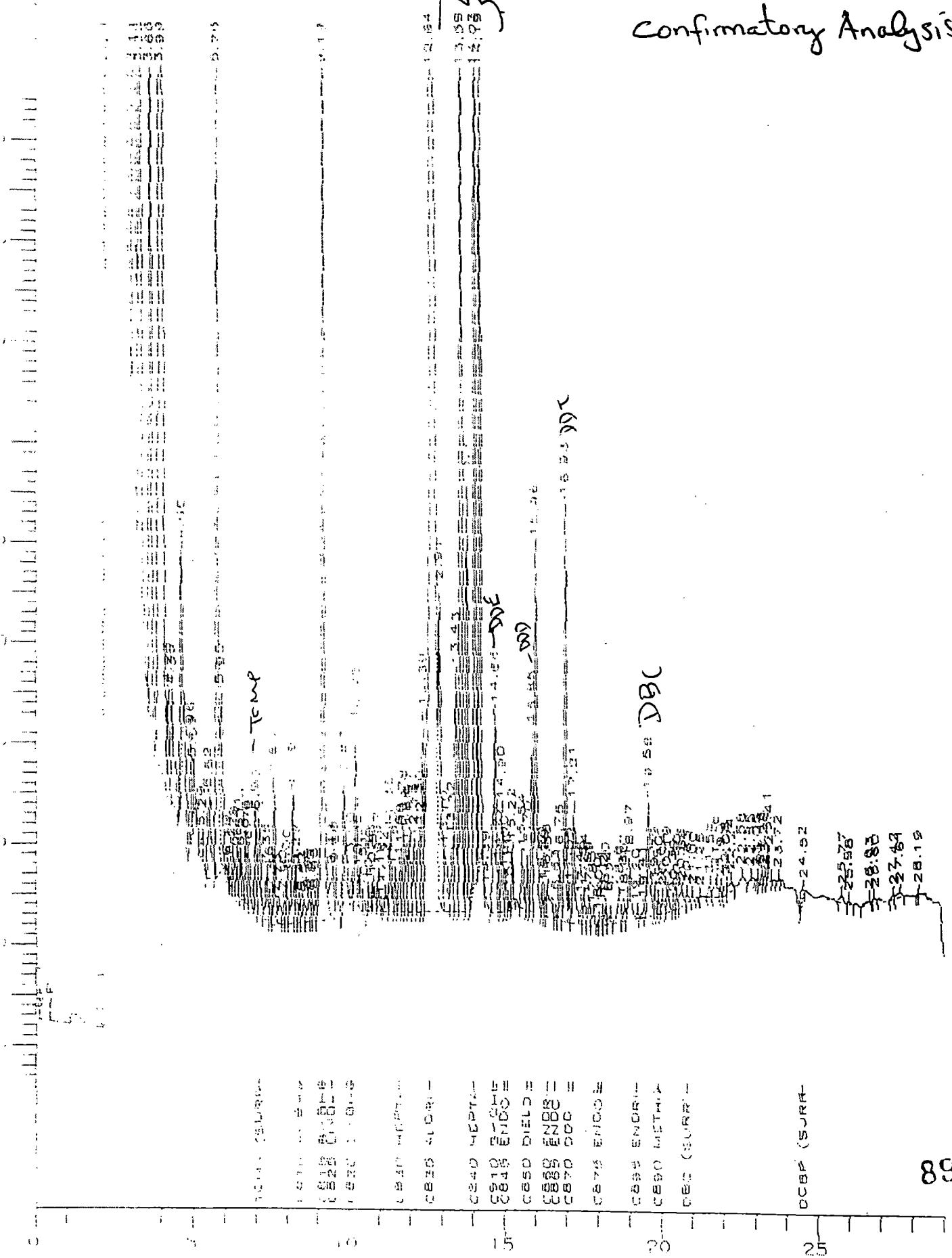
Low Point : -6.53 mV

Plot Scale: 200 mV

Page 1 of 1

High Point : 193.47

Confirmatory Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.9

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-008SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATA RELEASE AUTHORIZED BY: [Signature]PERCENT MOISTURE: (Not Decanted) 26

CONCENTRATION: _____

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56

CONTRACT No.: _____

DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94

GPC CLEAN UP: _____ pH: _____

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.07
319-84-6	alpha-BHC	<m.d.l.	.07
319-85-7	beta-BHC	<m.d.l.	.07
319-86-8	delta-BHC	<m.d.l.	.07
58-89-9	gamma-BHC	<m.d.l.	.07
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	1.99	.41
60-57-1	Dieldrin	<m.d.l.	.07
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.14
1031-07-8	Endosulfan Sulfate	<m.d.l.	.14
72-20-8	Endrin	<m.d.l.	.07
7421-36-3	Endrin Aldehyde	<m.d.l.	.34
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.07
1024-57-3	Heptachlor Epoxide	<m.d.l.	.07
72-43-5	Methoxychlor	<m.d.l.	.74
72-54-8	4,4'-DDD	0.42	.14
72-55-9	4,4'-DDE	0.12	.07
50-29-3	4,4'-DDT	0.19	.14

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.4
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dactal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 51.8 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Software Version: 3.1 <2A23>

Sample Name : 1415-008x10

Sample Number: 15

Operator

1425.9

Time : 4/8/94 04:40 PM

Study : pest/pcb

Instrument : VARIAN 3400 ECD

Amplifier : NONE

Detector : ECD

Channel : A/D mV Range : 1000

File Name : 1415-008x10 Data Acquisition Time: 4/8/94 04:40 PM

Integration Time: 0.00 min

Integration Time: 0.00 min

Integration Time: 0.000 pts/sec

File Name : 1415-008x10\A408033.raw

File Name : 1415-008x10\A408033.rst

File Name : 1415-008x10\merhdanyqtmpea.ins

File Name : 1415-008x10\merhdanyqtmpea.pro

File Name : 1415-008x10\merhdanyqtmpea.sco

File Name : 1415-008x10\A408033.seq

Volume : 1.00

Amount : 1000

Area Report

Integration Factor

Area Threshold

Area Threshold

Area Threshold

Area Threshold

Area Threshold

Area Threshold

Area Threshold

Area Threshold

PESTICIDE/PCB REPORT

Component Name	Time (min)	Area (uv*sec)	Height (uv)	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.046	163681.38	67619.98	163681	0.0	0.2	0.2
	2.221	578348.75	140151.58	578349	0.0	0.5	0.5
	2.436	139279.03	40956.50	139279	0.0	0.1	0.1
	2.619	33784.25	12239.17	33784	0.0	0.0	0.0
	2.705	168453.69	30378.23	168454	0.0	0.2	0.2
	3.070	484203.81	113053.91	484204	0.0	0.5	0.5
	3.504	222185.59	44273.81	222186	0.0	0.2	0.2
	3.736	35231.30	6220.82	35231	0.0	0.0	0.0
	3.873	186771.19	18794.73	186771	0.0	0.2	0.2
	4.202	807018.38	121906.78	807018	0.0	0.8	0.8
	4.634	34119.53	3827.20	34120	0.0	0.0	0.0
	4.907	103904.72	8967.64	103905	0.0	0.1	0.1
	5.083	99666.50	19148.89	99667	0.0	0.1	0.1
	5.194	90705.66	12440.66	90706	0.0	0.1	0.1
	5.557	69715.91	9989.42	69716	0.0	0.1	0.1
	5.749	19598.63	4530.06	19599	0.0	0.0	0.0
	5.855	25980.48	6373.61	25981	0.0	0.0	0.0
	6.257	26719.00	5292.84	26719	0.0	0.0	0.0
	6.428	13774.64	2803.34	13775	0.0	0.0	0.0
	6.586	35021.34	6249.40	35021	0.0	0.0	0.0
	6.939	119653.81	27038.68	119654	0.0	0.1	0.1
P10 A-BAC	7.089	31142.19	7183.23	31142	1.2	1.2	1.2
	7.317	13262.00	2296.88	13262	0.0	0.0	0.0
	7.484	416493.50	55113.60	416494	0.0	0.4	0.4
P15 A-BAC	7.900	16491.31	2993.20	16491	1.7	1.7	1.7
P25 LADANE	8.134	47962.81	6904.51	47963	0.9	0.9	0.9

	8.505	220683.95	51440.59	220684	0.0	0.2	0.2
	8.586	109756.53	31155.75	109757	0.0	0.1	0.1
	9.331	18335.47	4313.04	18336	0.0	0.0	0.0
	9.648	55884.41	4635.81	25884	0.0	0.0	0.0
	9.772	48193.53	5788.84	48194	0.0	0.1	0.1
	10.028	17775.41	4006.75	17775	0.0	0.0	0.0
	10.178	18107.67	3267.75	18108	0.0	0.0	0.0
	10.697	8744.00	5083.14	8744	0.0	0.0	0.0
	10.832	7272.51	4818.44	7273	0.0	0.0	0.0
	10.991	30515.52	7772.32	30516	0.0	0.1	0.1
	11.127	30590.5	5528.02	30591	0.0	0.0	0.0
	11.388	20919.44	5465.15	20940	0.0	0.0	0.0
855 ALDRIN	11.501	51153.04	12098.88	51153	0.0	0.5	0.5
	11.671	3596.00	337.62	3596	0.0	0.0	0.0
	11.908	56107.50	15624.75	56108	0.0	0.1	0.1
	12.225	73518.04	5731.58	70519	0.0	0.0	0.0
	12.335	42742.04	12548.44	42742	0.0	0.0	0.0
	12.468	9274.00	7338.29	9274	0.0	0.0	0.0
	12.647	6003.4	758.7	6003	0.0	0.0	0.0
840 HEPTACHLOR EPOX	12.886	63535.57	12538.85	63536	0.0	0.0	0.0
	13.074	4749.75	5635.04	69750	0.0	0.0	0.0
	13.131	7095.77	4759.49	7095	0.0	0.0	0.0
	13.406	188023.0	37029.60	35023	0.0	0.7	0.7
	13.537	14367.00	872.80	14367	0.0	0.0	0.0
840 DDT	13.609	5701.00	103.05	57022	0.0	0.0	0.0
	13.757	10677.00	174.07	10679	0.0	0.0	0.0
845 ENDOSULFONE	13.917	16469.00	6403.00	16492	0.0	0.0	0.0
845 A-180 GRADNE	14.177	15197.00	16276.00	15197	0.0	0.0	0.0
	14.265	140296.00	33016.10	140296	0.0	0.0	0.0
	14.618	17377.44	13657.50	17377	0.0	0.1	0.1
	14.729	117596.05	24007.55	117596	0.0	0.1	0.1
850 DDT	14.894	572377.05	127824.16	572378	0.0	0.3	0.3
855 DDT	15.035	1497896.00	393771.11	1497896	0.0	0.9	0.9
	15.192	760897.00	102343.63	760897	0.0	0.8	0.8
	15.336	112512.00	473975.12	112512	0.0	1.7	1.7
	15.540	120073.00	10737.04	120073	0.0	0.1	0.1
860 ENDORIN	15.698	126478.00	36122.20	126478	0.0	0.5	0.5
865 ENDORIN 2	15.922	55981.50	12689.35	55982	0.0	0.1	0.1
	16.136	1268243.05	31553.05	1268243	0.0	1.3	1.3
870 DDT	16.358	4654071.00	994382.56	4654071	0.0	3.2	3.2
880 ENDORIN ALDEHYDE	16.814	791000.69	174643.83	791001	0.0	3.2	3.2
	17.161	131281.00	12186.32	131281	0.0	0.1	0.1
875 ENDOSULFATE	17.404	68374.00	9478.83	68374	0.0	0.4	0.4
885 DDT	17.530	669235.91	162890.50	669236	0.0	4.8	4.8
	17.805	3471914.75	856099.94	3471915	0.0	3.5	3.5
	17.953	15341.00	3596.09	15341	0.0	0.0	0.0
	18.122	96460.00	14810.53	96460	0.0	0.1	0.1
	18.305	135237.04	25730.55	135238	0.0	0.1	0.1
	18.593	95220.44	12697.14	95220	0.0	0.1	0.1
	18.717	1509207.00	406961.91	1509207	0.0	1.5	1.5
885 ENDORIN KETONE	18.912	48263.04	10927.45	48264	0.0	0.4	0.4
	19.181	60493.97	3268.99	60494	0.0	0.1	0.1
	19.483	687504.00	71835.05	687504	0.0	0.7	0.7
890 METHOXYCHLOR	19.768	16678.39	4145.77	16678	0.0	0.1	0.1
	19.892	28146.53	5524.53	28147	0.0	0.0	0.0
	20.134	12546.88	7313.55	12547	0.0	0.0	0.0
	20.422	72623.00	17532.99	72623	0.0	0.1	0.1
	20.542	177289.66	41869.50	177290	0.0	0.2	0.2
	20.703	35943.34	7761.41	35943	0.0	0.0	0.0
890 ISURR	20.903	83432.00	22947.89	83432	-0.1	-0.1	-0.1
	21.297	48914.64	7231.72	48915	0.0	0.1	0.1
	21.430	85363.06	7102.32	85363	0.0	0.1	0.1
	21.671	23021.03	5627.05	23021	0.0	0.0	0.0
	21.817	1511.00	1012.00	1511	0.0	0.0	0.0

95	22.513	42877.59	3066.77	42878	0.0	0.0	0.0
96	23.166	20573.00	4351.15	20573	0.0	0.0	0.0
	23.559	59458.66	8576.51	59459	0.0	0.1	0.1
	24.303	55896.06	11582.77	55896	0.0	0.1	0.1
	24.864	27511.00	2250.05	27511	0.0	0.0	0.0
	25.078	8959.25	1636.23	8959	0.0	0.0	0.0
	25.222	21704.34	3844.10	21704	0.0	0.0	0.0
SCAP - RR1	25.425	43542.94	8153.67	43543	0.3	0.3	0.3
	26.475	30924.81	1742.85	30925	0.0	0.0	0.0

26912762.00 5.5786 26912762 17.7 64.3 64.3

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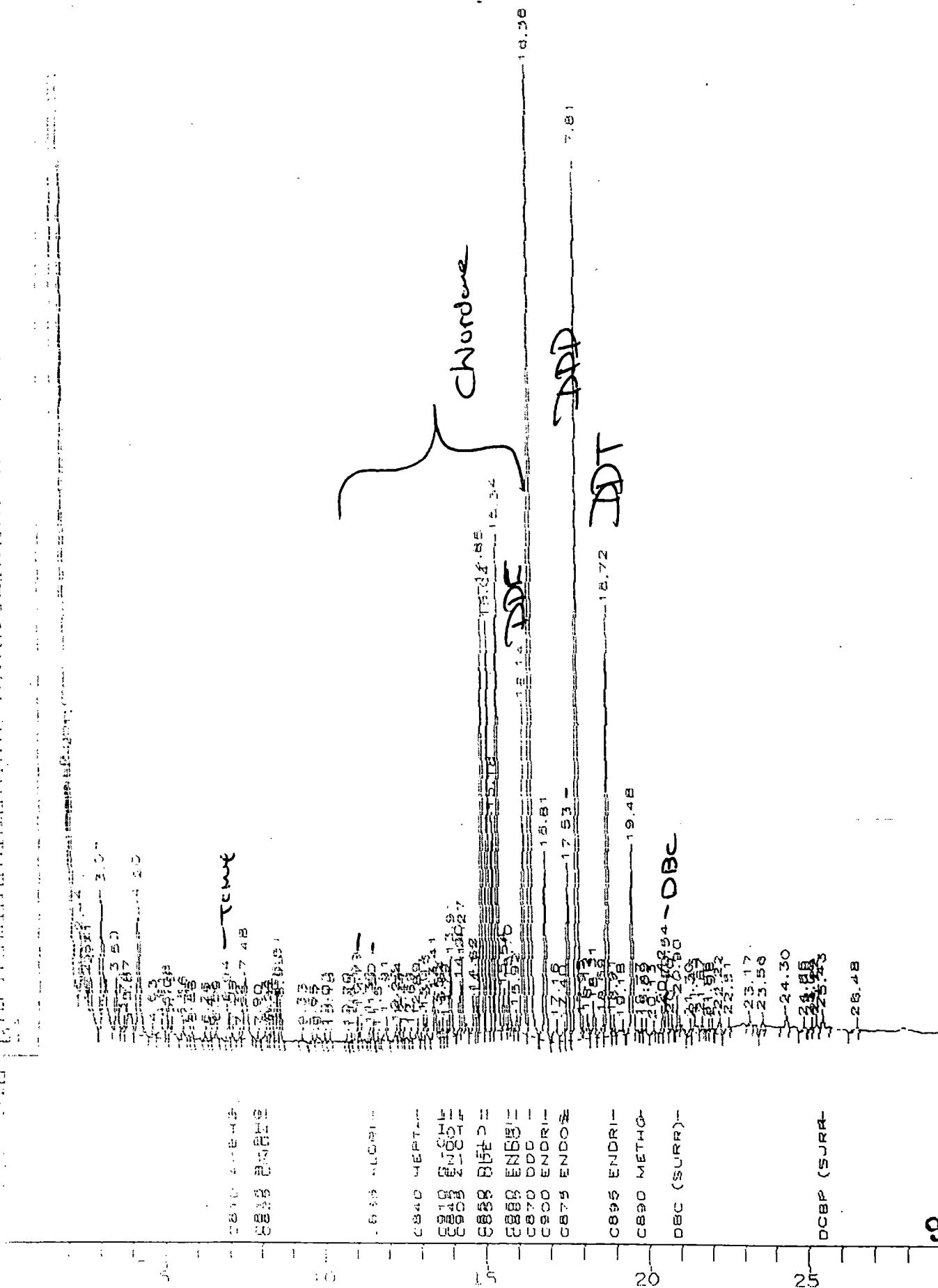
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WAX CAPILLARY COLUMN 100' 1/8" 1/16" X 0.53mm ID

REFRACTOR 2000 100.0°C 100.0°C

=====

High Point : 955.28



Software Version: 3.1-2A23>

Sample Name : 1415-008x10

Sample Number: 35

Operator :

Time : 4/6/94 11:48 AM

Study :

Confirmatory Analysis

Instrument : VARIAN 3400 ECD

AutoSampler : NONE

Back/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 10:05 AM

Delay Time : 0.00 min.

Load Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406035.raw

Result File : d:\3400\b406035.rst

Instrument File: d:\2700\methdan\qtmpea.ins

Process File : d:\2700\methdan\qtmpeb.pro

Sample File : d:\2700\methdan\qtmpeb.smp

Sequence File : D:\3400\040600.seq

Injection Volume : 1 ul

Sample Amount : 1.0000

Area Reject : 100.00

Dilution Factor : 1.00

Base Threshold: 100

Multiplier : 1.0000

Area Threshold : 100

Divisor : 1.0000

Bunch Factor: 1

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 130

PESTICIDE/PCB REPORT

Peak	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
1		2.258	20867660.00	1.04e6	20867660	0.0	20.9	20.9
2		2.642	11554486.00	986069.63	11554486	0.0	11.6	11.6
3		2.867	3018843.75	429119.53	3018844	0.0	3.0	3.0
4		3.178	397362.13	69583.13	397362	0.0	0.4	0.4
5		3.336	96039.78	23326.37	96040	0.0	0.1	0.1
6		3.591	24259.58	6528.50	24260	0.0	0.0	0.0
7		3.688	548982.19	101221.38	548982	0.0	0.6	0.6
8		4.025	393425.28	56057.94	393425	0.0	0.4	0.4
9		4.269	6944.06	1903.75	6944	0.0	0.0	0.0
10		4.386	22427.39	4528.92	22427	0.0	0.0	0.0
11		4.483	17431.48	3049.01	17432	0.0	0.0	0.0
12		4.677	255912.66	29706.39	255913	0.0	0.3	0.3
13		4.972	67542.80	7135.14	67543	0.0	0.1	0.1
14		5.152	66441.59	12112.48	66442	0.0	0.1	0.1
15		5.353	2695.83	806.58	2696	0.0	0.0	0.0
16		5.418	3395.48	927.54	3396	0.0	0.0	0.0
17		5.574	14237.70	2338.64	14238	0.0	0.0	0.0
18		5.810	431634.25	87349.29	431634	0.0	0.4	0.4
19		5.928	104901.23	20257.19	104901	0.0	0.1	0.1
20		6.070	8543.00	2586.16	8543	0.0	0.0	0.0
21		6.315	13050.00	2992.75	13050	0.0	0.0	0.0
22		6.452	113451.48	22867.07	113452	0.0	0.1	0.1
23		6.754	10444.63	1944.72	10445	0.0	0.0	0.0
24		6.876	10246.18	2385.02	10246	0.0	0.0	0.0
25		7.024	109493.41	23129.74	109493	0.0	0.1	0.1
26	TCMX (SRR)	7.191	41298.21	6100.63	41298	-1.3	-1.3	-1.3

29		7.793	47201.28	5919.04	47201	0.0	0.1	0.1
		7.914	22800.32	3350.20	22800	0.0	0.0	0.0
		8.032	4789.45	1110.27	4789	0.0	0.0	0.0
32		8.228	73653.00	21316.22	73653	0.0	0.1	0.1
	C810 A-BHC	8.451	5064.00	1764.35	5064	0.5	0.5	0.5
		8.557	11136.11	2840.22	11136	0.0	0.0	0.0
35		8.667	2955.89	1170.57	2956	0.0	0.0	0.0
		8.762	5161.99	1678.26	5162	0.0	0.0	0.0
		8.969	9607.21	2182.74	9607	0.0	0.0	0.0
		9.101	13853.75	3055.42	13854	0.0	0.0	0.0
	C815 B-BHC	9.225	367350.25	86157.82	367350	2.4	2.4	2.4
	C825 LINDANE	9.547	33948.28	5898.01	33948	0.8	0.8	0.8
		9.744	13694.53	2291.18	13695	0.0	0.0	0.0
		9.906	15148.50	3056.45	15149	0.0	0.0	0.0
		9.994	28950.29	4489.13	28950	0.0	0.0	0.0
	C820 D-BHC	10.155	26245.62	4566.22	26246	0.9	0.9	0.9
		10.289	124715.31	23234.94	124715	0.0	0.1	0.1
		10.537	29094.45	5119.41	29094	0.0	0.0	0.0
		10.744	18927.83	4288.68	18928	0.0	0.0	0.0
		10.836	45036.23	7627.46	45036	0.0	0.1	0.1
		10.990	52718.74	12963.26	52719	0.0	0.1	0.1
		11.186	40978.00	7920.19	40978	0.0	0.0	0.0
		11.361	2483.00	943.06	2483	0.0	0.0	0.0
		11.516	35376.00	9148.67	35376	0.0	0.0	0.0
	C830 HEPTACHLOR	11.691	41083.57	7876.63	41084	0.6	0.6	0.6
		11.799	91296.71	17698.37	91297	0.0	0.1	0.1
		12.014	99077.48	12045.44	99078	0.0	0.1	0.1
		12.189	77279.31	11712.77	77279	0.0	0.1	0.1
		12.329	53655.61	9486.39	53656	0.0	0.1	0.1
		12.429	53414.33	9338.76	53414	0.0	0.1	0.1
	C835 ALDRIN	12.675	6300822.50	1.06e6	6300823	11.1	11.1	11.1
		12.954	481480.94	76539.31	481481	0.0	0.5	0.5
		13.141	71699.00	10521.60	71699	0.0	0.1	0.1
		13.334	76775.04	13306.07	76775	0.0	0.1	0.1
		13.458	267710.97	58125.65	267711	0.0	0.3	0.3
		13.614	1041897.63	269312.16	1041898	0.0	1.0	1.0
		13.793	503108.31	122547.63	503108	0.0	0.5	0.5
	C840 HEPTACHLOR EPOX	14.052	1008905.19	276019.97	1008905	2.5	2.5	2.5
		14.209	809785.38	221745.08	809785	0.0	0.8	0.8
		14.504	1706.68	441.28	1707	0.0	0.0	0.0
	C910 G-CHLORDANE	14.687	761332.38	189486.64	761332	2.5	2.5	2.5
	C845 ENDO 1	14.922	312081.97	86037.23	312082	1.3	1.3	1.3
	C905 A-CHLORDANE	15.121	9894.97	3701.93	9895	1.1	1.1	1.1
		15.249	89533.28	22624.85	89533	0.0	0.1	0.1
		15.368	16767.00	3824.67	16767	0.0	0.0	0.0
		15.455	14733.84	3094.68	14734	0.0	0.0	0.0
		15.569	26008.63	5740.70	26009	0.0	0.0	0.0
	C850 DIELDRIN	15.729	47226.37	12812.80	47226	0.4	0.4	0.4
	C855 DDE	15.876	1623829.88	424282.34	1623830	4.5	4.5	4.5
		15.986	581133.38	131889.97	581133	0.0	0.6	0.6
		16.214	5455.62	1937.59	5456	0.0	0.0	0.0
		16.301	6174.00	2648.08	6174	0.0	0.0	0.0
		16.392	19765.00	5388.11	19765	0.0	0.0	0.0
	C860 ENDRIN	16.498	46617.00	10198.33	46617	0.7	0.7	0.7
		16.658	7975.25	2254.19	7975	0.0	0.0	0.0
	C865 ENDO 2	16.780	50694.75	13845.45	50695	0.7	0.7	0.7
	C870 ODD	16.956	824092.38	224542.63	824092	4.7	4.7	4.7
	C900 ENDRIN ALDEHYDE	17.238	492006.69	106823.59	492007	4.5	4.5	4.5
		17.576	65351.83	10959.94	65352	0.0	0.1	0.1
		17.716	156683.36	11595.92	156683	0.0	0.2	0.2
	C875 ENDOSULFATE	18.020	52109.94	6551.93	52110	2.7	2.7	2.7
		18.145	22284.71	5797.87	22285	0.0	0.0	0.0
	C885 DDT	18.230	41027.27	7209.39	41027	1.6	1.6	1.6
		18.383	50124.55	4814.50	50125	0.0	0.1	0.1

95		18.690	20859.78	4319.29	20860	0.0	0.0	0.0
		18.828	10958.85	2005.02	10959	0.0	0.0	0.0
		19.004	23773.00	6946.91	23773	0.0	0.0	0.0
98	C895 ENDRIK KETONE	19.448	11459.51	1767.62	11460	2.3	2.3	2.3
		19.595	123491.02	26469.71	123491	0.0	0.1	0.1
	C890 METHOXYCHLOR	19.826	20141.86	3768.85	20142	1.4	1.4	1.4
101		20.070	14966.63	2613.94	14967	0.0	0.0	0.0
02		20.218	20186.03	3569.31	20186	0.0	0.0	0.0
		20.555	75766.95	17898.00	75767	0.0	0.1	0.1
04	DBC (SURR)	20.911	7774.50	1173.11	7775	-3.2	-3.2	-3.2
05		21.040	8921.63	1539.09	8922	0.0	0.0	0.0
		21.198	13735.88	1384.38	13736	0.0	0.0	0.0
		21.622	29888.47	7508.11	29889	0.0	0.0	0.0
18		21.805	9107.53	2290.05	9108	0.0	0.0	0.0
		22.266	141682.94	8154.70	141683	0.0	0.1	0.1
		22.512	77616.78	6715.98	77617	0.0	0.1	0.1
1		22.676	67602.08	7313.73	67602	0.0	0.1	0.1
2		22.833	54082.60	6988.47	54083	0.0	0.1	0.1
		23.030	100834.05	6888.79	100834	0.0	0.1	0.1
		23.241	44642.11	6471.75	44642	0.0	0.0	0.0
5		23.461	86211.09	10214.56	86211	0.0	0.1	0.1
		23.669	21083.59	2995.19	21084	0.0	0.0	0.0
		23.776	26799.27	3729.11	26799	0.0	0.0	0.0
3		23.875	11492.06	2441.88	11492	0.0	0.0	0.0
		24.082	13147.38	1855.43	13147	0.0	0.0	0.0
		24.243	97905.63	6887.98	97906	0.0	0.1	0.1
	DCBP (SURR)	24.711	144644.16	5592.38	144644	-3.5	-3.5	-3.5
		25.068	3116.00	507.94	3116	0.0	0.0	0.0
		25.425	1063.80	279.67	1064	0.0	0.0	0.0
		25.586	5502.19	960.54	5502	0.0	0.0	0.0
		26.093	34521.77	3741.76	34522	0.0	0.0	0.0
		26.288	30942.23	3154.90	30942	0.0	0.0	0.0
		26.589	47038.19	2442.44	47038	0.0	0.1	0.1
		27.490	57287.88	4835.29	57288	0.0	0.1	0.1
		27.972	17325.56	1503.01	17326	0.0	0.0	0.0
		28.642	9216.98	726.90	9217	0.0	0.0	0.0

57386056.00	6.88e6	57386056	39.3	84.4	84.4
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RIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 Oum FILM DETECTOR=300C INJECTOR=250C

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Sample Name : 1415-008x10

FileName : d:\3400\b406035.raw

Start Time : 0.00 min

Scale Factor: -1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 35

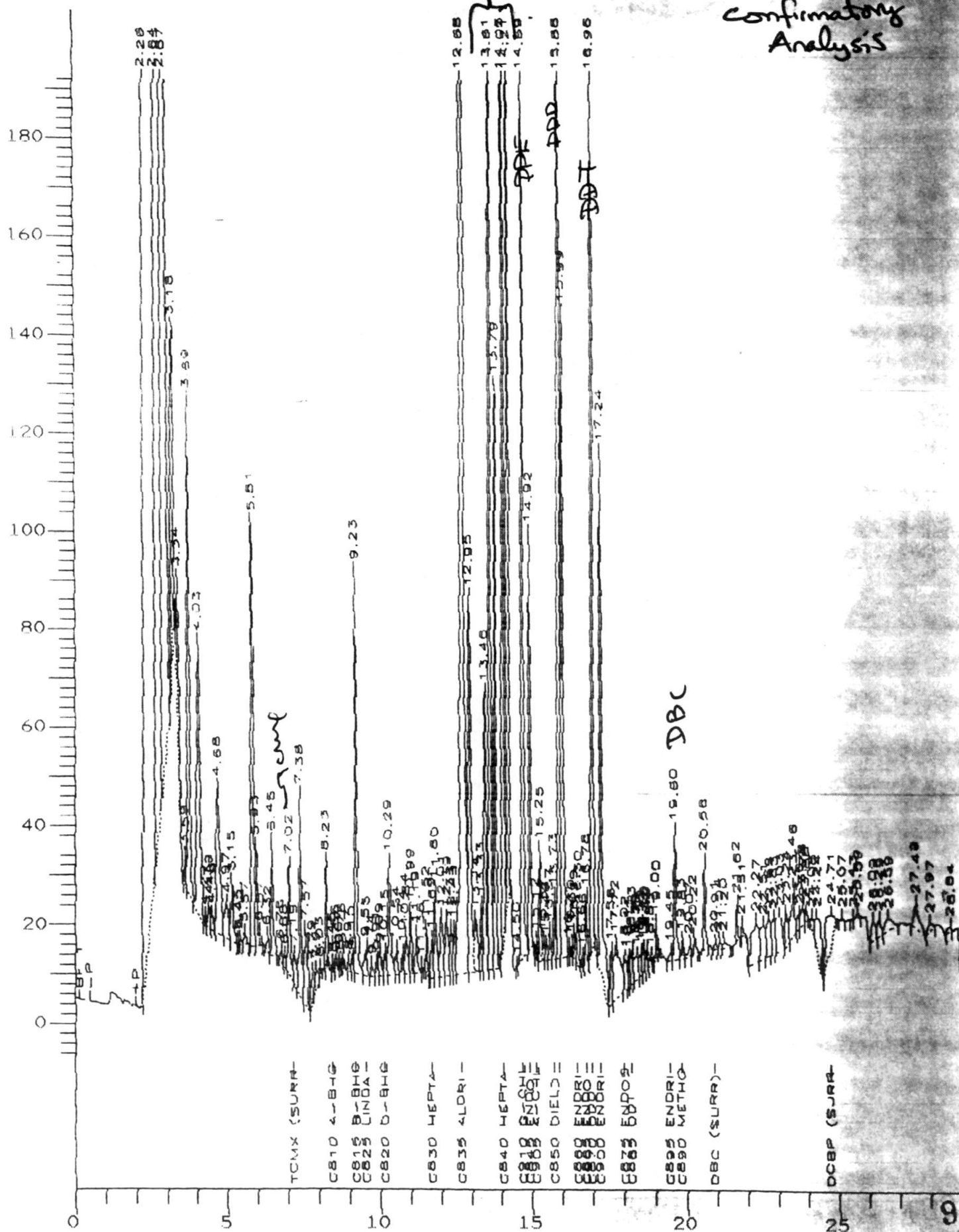
Date : 4/6/94 11:49 AM

Low Point : -7.76 mV

Plot Scale: 200 mV

Page 1 of 1

High Point : 192.24



confirmatory Analysis

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SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.12

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-009SAMPLE MATRIX: Soil/SolidEXTRACTION METHOD: 3540CONC./DIL/FACTOR: 10DATA RELEASE AUTHORIZED BY: [Signature]PERCENT MOISTURE: (Not Decanted) 23CONCENTRATION: [Signature]

UNITS: mg/kg-dry

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 03/13-14/94DATE ANALYZED: 04/10/94GPC CLEAN UP: pH:

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.06
319-84-6	alpha-BHC	<m.d.l.	.06
319-85-7	beta-BHC	<m.d.l.	.06
319-86-8	delta-BHC	<m.d.l.	.06
58-89-9	gamma-BHC	<m.d.l.	.06
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	<m.d.l.	.39
60-57-1	Dieldrin	<m.d.l.	.06
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.13
1031-07-8	Endosulfan Sulfate	<m.d.l.	.13
72-20-8	Endrin	<m.d.l.	.06
7421-36-3	Endrin Aldehyde	<m.d.l.	.32
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.06
1024-57-3	Heptachlor Epoxide	<m.d.l.	.06
72-43-5	Methoxychlor	<m.d.l.	.71
72-54-8	4,4'-DDD	0.13	.13
72-55-9	4,4'-DDE	0.53	.06
50-29-3	4,4'-DDT	0.38	.13

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	1.3
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs _____ or Wg 58.4 Vf 10000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Software Version: 3.1 <2A23>

Sample Name : 1415-009x50

Sample Number: 24

Operator :

Time : 4/8/94 10:12 AM

Study : pest/pcb

Instrument : VARIAN 3400 ECD

Channel : A A/D mV Range : 1000

AutoSampler : NONE

Loop/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 09:42 AM

Delay Time : 0.00 min.

Wait Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A408024.raw

Result File : d:\3400\A408024.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesa.pro

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\0408do.seq

Injection Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Base Threshold: 500

Area Threshold : 500

Bunch Factor: 1

Multiplier : 1.0000

Divider : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 49

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.051	115735.34	42486.43	115735	0.0	0.1	0.1
	2.122	336799.78	88979.82	336800	0.0	0.3	0.3
	2.281	130472.47	29832.45	130473	0.0	0.1	0.1
	2.438	97245.23	28039.42	97245	0.0	0.1	0.1
	2.506	192449.70	34114.87	192450	0.0	0.2	0.2
	2.745	79848.14	15157.39	79848	0.0	0.1	0.1
	2.915	78213.45	14667.36	78213	0.0	0.1	0.1
	3.074	293266.06	52664.32	293266	0.0	0.3	0.3
	3.505	126705.48	24462.79	126706	0.0	0.1	0.1
	3.860	47868.14	9669.39	47868	0.0	0.1	0.1
	3.957	130158.48	27772.45	130159	0.0	0.1	0.1
	4.194	321572.38	46355.53	321572	0.0	0.3	0.3
	5.074	8649.00	1962.36	8649	0.0	0.0	0.0
	5.168	23151.00	4068.35	23151	0.0	0.0	0.0
	5.753	2697.51	732.58	2698	0.0	0.0	0.0
TCMX (SUHR)	6.111	6470.50	1645.12	6471	-1.1e3	-1.1e3	-1.1e3
	6.937	31596.68	5945.26	31597	0.0	0.0	0.0
CB10 A-BHC	7.077	33170.42	8110.35	33170	1.2	1.2	1.2
	7.340	54839.12	11867.65	54839	0.0	0.1	0.1
CB25 LINDANE	7.903	9972.98	1514.56	9973	0.9	0.9	0.9
	8.246	7895.50	2542.73	7896	0.0	0.0	0.0
CB20 D-BHC	8.495	28452.50	7935.02	28453	1.3	1.3	1.3
	9.809	23294.29	4835.53	23294	0.0	0.0	0.0
CB30 HEPTACHLOR	10.046	35840.00	7746.64	35840	0.0	0.0	0.0
	10.685	9290.00	2558.32	9290	0.0	0.0	0.0
	11.091	7595.00	2203.29	7595	0.0	0.0	0.0

	11.828	6541.13	1381.94	6541	0.0	0.0	0.0
	11.947	17140.88	4166.64	17141	0.0	0.0	0.0
	12.325	377555.00	95795.27	377555	0.0	0.4	0.4
32 C840 HEPTACHLOR EPOX	12.678	5875.00	1587.77	5875	0.9	0.9	0.9
C910 G-CHLORDANE	13.450	16657.34	3630.40	16657	1.5	1.5	1.5
	13.631	251098.69	57196.99	251099	0.0	0.3	0.3
75 C845 ENDO 1	13.839	11415.00	2212.99	11415	1.6	1.6	1.6
	14.396	13486.00	2532.61	13486	0.0	0.0	0.0
C850 DIELDIN	14.565	6037.00	1539.91	6037	1.8	1.8	1.8
	15.032	4210.00	1119.23	4210	0.0	0.0	0.0
C860 ENDRIN	15.318	19066.00	4011.94	19066	2.4	2.4	2.4
C870 DDD	16.130	1322025.50	337879.81	1322026	3.5	3.5	3.5
	16.808	16206.00	4107.44	16206	0.0	0.0	0.0
	17.799	237845.00	41774.11	237845	0.0	0.2	0.2
C895 ENDRIN KETONE	18.708	660407.00	164265.36	660407	4.5	4.5	4.5
C890 METHOXYCHLOR	19.387	22811.84	5823.77	22812	0.1	0.1	0.1
	19.480	17579.67	4494.96	17580	0.0	0.0	0.0
DBC (SURR.)	20.533	29999.00	7197.23	29999	-0.2	-0.2	-0.2
	21.295	8601.27	1984.88	8601	0.0	0.0	0.0
	21.471	11493.70	2488.76	11494	0.0	0.0	0.0
	21.863	9748.00	2461.84	9748	0.0	0.0	0.0

5337858.00	1.23e6	5337858	-1.1e3	-1.1e3	-1.1e3
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RTAN 3400 CAPILLARY COLUMN GC: SPR-5 30M X 0.53mm ID
 0.1um FILM DETECTOR=300C INJECTOR=250C
 =====

Sample Name : 1415-009x50

FileName : d:\3400\1410024.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset : -45 mV

Sample #: 24

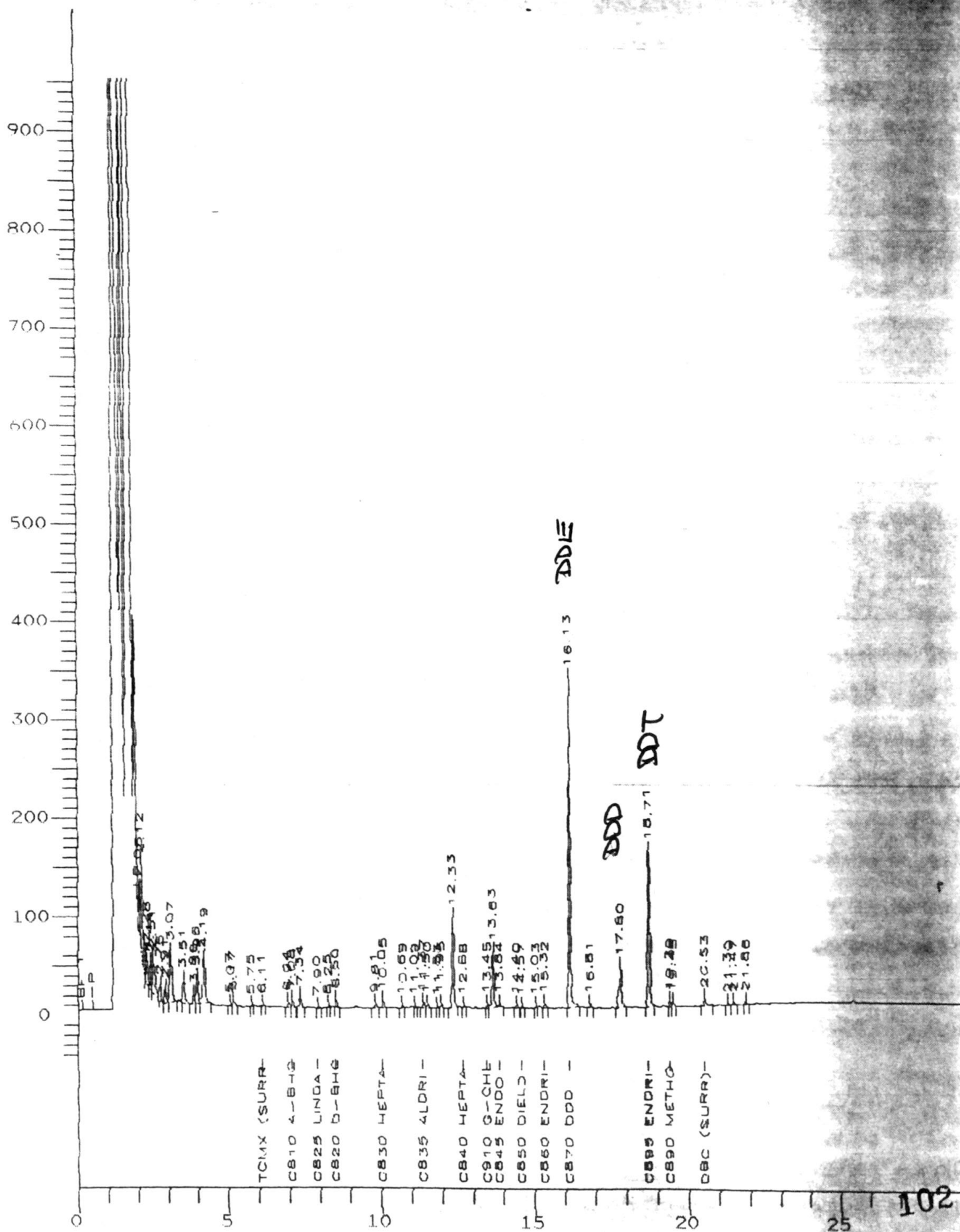
Date : 4/8/94 10:12 AM

Low Point : -44.71 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.29



Software Version: 3.1 <2A23>

Sample Name : 1415-009x10

Sample Number: 34

Operator :

Time : 4/8/94 05:23 PM

Study : pest/pcb

Instrument : VARIAN 3400 ECD

Channel : A A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 04:53 PM

Delay Time : 0.00 min.

Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A408034.raw

Result File : d:\3400\A408034.rst

Instrument File: d:\2700\methdan\qtmpera.ins

Process File : d:\2700\methdan\qtmpera.pro

Sample File : d:\2700\methdan\qtmpera.smp

Sequence File : d:\3400\0408034.seq

Injection Volume : 1 µl

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Base Threshold: 500

Area Threshold : 500

Bunch Factor: 1

Multiplier : 1.0000

Divider : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 99

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.046	981485.00	340359.38	981485	0.0	1.0	1.0
	2.125	2499487.00	626122.38	2499487	0.0	2.5	2.5
	2.274	976291.00	239055.36	976291	0.0	1.0	1.0
	2.433	524020.69	147279.20	524021	0.0	0.5	0.5
	2.504	963059.38	189397.70	963059	0.0	1.0	1.0
	2.738	342648.44	63416.46	342648	0.0	0.3	0.3
	2.911	243206.81	58941.45	243207	0.0	0.2	0.2
	3.072	1422684.00	274377.53	1422684	0.0	1.4	1.4
	3.340	47722.16	10988.23	47722	0.0	0.1	0.1
	3.501	757024.06	150224.45	757024	0.0	0.8	0.8
	3.730	22348.06	6018.53	22348	0.0	0.0	0.0
	3.859	253702.58	49361.59	253703	0.0	0.3	0.3
	3.955	677860.75	140537.92	677861	0.0	0.7	0.7
	4.195	922079.56	136818.20	922080	0.0	0.9	0.9
	4.621	8651.98	2829.16	8652	0.0	0.0	0.0
	4.809	36134.44	7278.54	36134	0.0	0.0	0.0
	4.931	17688.89	4312.75	17689	0.0	0.0	0.0
	5.071	76956.11	15629.45	76956	0.0	0.1	0.1
	5.151	109342.88	15454.55	109343	0.0	0.1	0.1
	5.344	42473.78	8157.69	42474	0.0	0.0	0.0
	5.540	38337.97	8358.11	38338	0.0	0.0	0.0
	5.756	33686.12	8464.52	33686	0.0	0.0	0.0
	5.823	47733.36	9063.70	47733	0.0	0.1	0.1
	5.981	19874.70	5324.59	19875	0.0	0.0	0.0
TCMX (SURR)	6.112	53366.81	10147.49	53367	-1.1e3	-1.1e3	-1.1e3
	6.433	24364.59	4077.87	24365	0.0	0.0	0.0

28	C810 A-BHC	7.080	171134.64	39342.84	171135	1.3	1.3	1.3
31		7.344	263687.19	54136.66	263687	0.0	0.3	0.3
32		7.452	46956.60	13084.02	46957	0.0	0.1	0.1
		7.531	95253.23	14020.53	95253	0.0	0.1	0.1
		7.745	17395.78	4295.53	17396	0.0	0.0	0.0
	C815 B-BHC	7.904	46513.70	6689.86	46514	1.7	1.7	1.7
35	C825 LINDANE	8.136	42095.11	6211.27	42095	0.9	0.9	0.9
		8.249	60741.91	15527.27	60742	0.0	0.1	0.1
		8.354	48516.50	9638.76	48517	0.0	0.1	0.1
		8.500	166678.81	39362.29	166679	0.0	0.2	0.2
		8.958	6302.15	1755.05	6302	0.0	0.0	0.0
		9.160	88909.91	9112.86	88910	0.0	0.1	0.1
		9.533	7841.00	2171.66	7841	0.0	0.0	0.0
		9.814	118481.00	24276.17	118481	0.0	0.1	0.1
		10.049	192368.50	39119.15	192369	0.0	0.2	0.2
		10.182	17606.00	5309.00	17606	0.0	0.0	0.0
	C830 HEPTACHLOR	10.421	18518.52	3803.16	18519	0.0	0.0	0.0
		10.689	84856.66	19048.46	84857	0.0	0.1	0.1
		10.814	29531.56	5778.98	29532	0.0	0.0	0.0
		10.973	68555.27	10657.87	68555	0.0	0.1	0.1
		11.097	56858.44	13151.26	56858	0.0	0.1	0.1
		11.214	19205.31	4557.56	19205	0.0	0.0	0.0
		11.366	97148.44	17493.82	97148	0.0	0.1	0.1
	C835 ALDRIN	11.496	36062.95	6553.73	36063	0.5	0.5	0.5
		11.677	26453.34	4338.60	26453	0.0	0.0	0.0
		11.948	94288.03	16419.92	94288	0.0	0.1	0.1
		12.177	58398.91	11998.21	58399	0.0	0.1	0.1
		12.329	2155623.00	616559.31	2155623	0.0	2.2	2.2
		12.699	17976.00	3345.77	17976	0.0	0.0	0.0
	C840 HEPTACHLOR EPOX	12.805	30942.00	4609.45	30942	0.9	0.9	0.9
		13.051	28662.00	7530.14	28662	0.0	0.0	0.0
		13.276	27712.50	6418.62	27713	0.0	0.0	0.0
		13.433	17111.00	3359.46	17111	0.0	0.0	0.0
	C910 G-CHLORDANE	13.533	41529.00	12234.00	41529	1.5	1.5	1.5
		13.633	1193750.00	331912.38	1193750	0.0	1.2	1.2
	C845 ENDO 1	13.788	38606.00	9130.65	38606	1.6	1.6	1.6
	C905 A-CHLORDANE	14.251	20609.66	3132.16	20610	2.0	2.0	2.0
		14.409	25009.33	4777.62	25009	0.0	0.0	0.0
		14.721	7488.69	2089.42	7489	0.0	0.0	0.0
	C850 DIELDRIN	14.853	12005.84	2970.89	12006	1.8	1.8	1.8
	C855 DDE	15.037	53066.89	12311.29	53067	1.6	1.6	1.6
		15.099	79339.56	13615.14	79340	0.0	0.1	0.1
		15.317	76492.00	17408.26	76492	0.0	0.1	0.1
	C860 ENDRIN	15.760	29372.64	4883.35	29373	2.4	2.4	2.4
	C865 ENDO 2	15.877	22510.30	6302.19	22510	2.1	2.1	2.1
		15.990	6739.59	1773.07	6740	0.0	0.0	0.0
		16.125	5163211.00	998428.88	5163211	0.0	5.2	5.2
	C870 DDD	16.354	1373352.75	384131.47	1373353	3.6	3.6	3.6
		16.810	80364.97	19868.38	80365	0.0	0.1	0.1
	C875 ENDOSULFATE	17.095	23506.98	3604.44	23507	5.3	5.3	5.3
	C885 DDT	17.520	19842.98	4855.41	19843	3.4	3.4	3.4
		17.800	1122853.13	220636.61	1122853	0.0	1.1	1.1
		18.064	32508.33	6132.58	32508	0.0	0.0	0.0
		18.299	38748.50	5645.79	38749	0.0	0.0	0.0
		18.711	3763743.50	995413.75	3763744	0.0	3.8	3.8
	C895 ENDRIN KETONE	18.911	17646.00	4831.85	17646	3.4	3.4	3.4
		19.144	25617.94	6668.55	25618	0.0	0.0	0.0
		19.387	116438.80	29480.25	116439	0.0	0.1	0.1
	C890 METHOXYCHLOR	19.480	115654.19	27173.59	115654	0.5	0.5	0.5
		20.202	16204.34	3091.41	16204	0.0	0.0	0.0
		20.412	23006.97	4593.45	23007	0.0	0.0	0.0
		20.538	142929.52	34462.86	142930	0.0	0.1	0.1
	DBC (SURR)	20.752	66692.03	8396.23	66692	-0.1	-0.1	-0.1
		20.986	20092.03	4783.05	20092	0.0	0.0	0.0

65
71
98

21.867	45918.50	12058.01	45919	0.0	0.1	0.1
22.225	31346.00	5639.54	31346	0.0	0.0	0.0
22.550	8383.03	0.00	8383	0.0	0.0	0.0
23.526	15920.16	2346.64	15920	0.0	0.0	0.0
25.418	35937.00	6855.34	35937	0.3	0.3	0.3

DC8P (SURR)

29590032.00 6.83e6 29590032 -1.1e3 -1.1e3 -1.1e3

RIAN 3400 CAPILLARY COLUMN GC: SPB-6 30M X 0.53mm ID
0um FILM DETECTOR=300C INJECTOR=250C

Sample Name : 1415-009x10

FileName : d:\3400\2408034.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset : -45 mV

Sample #: 34

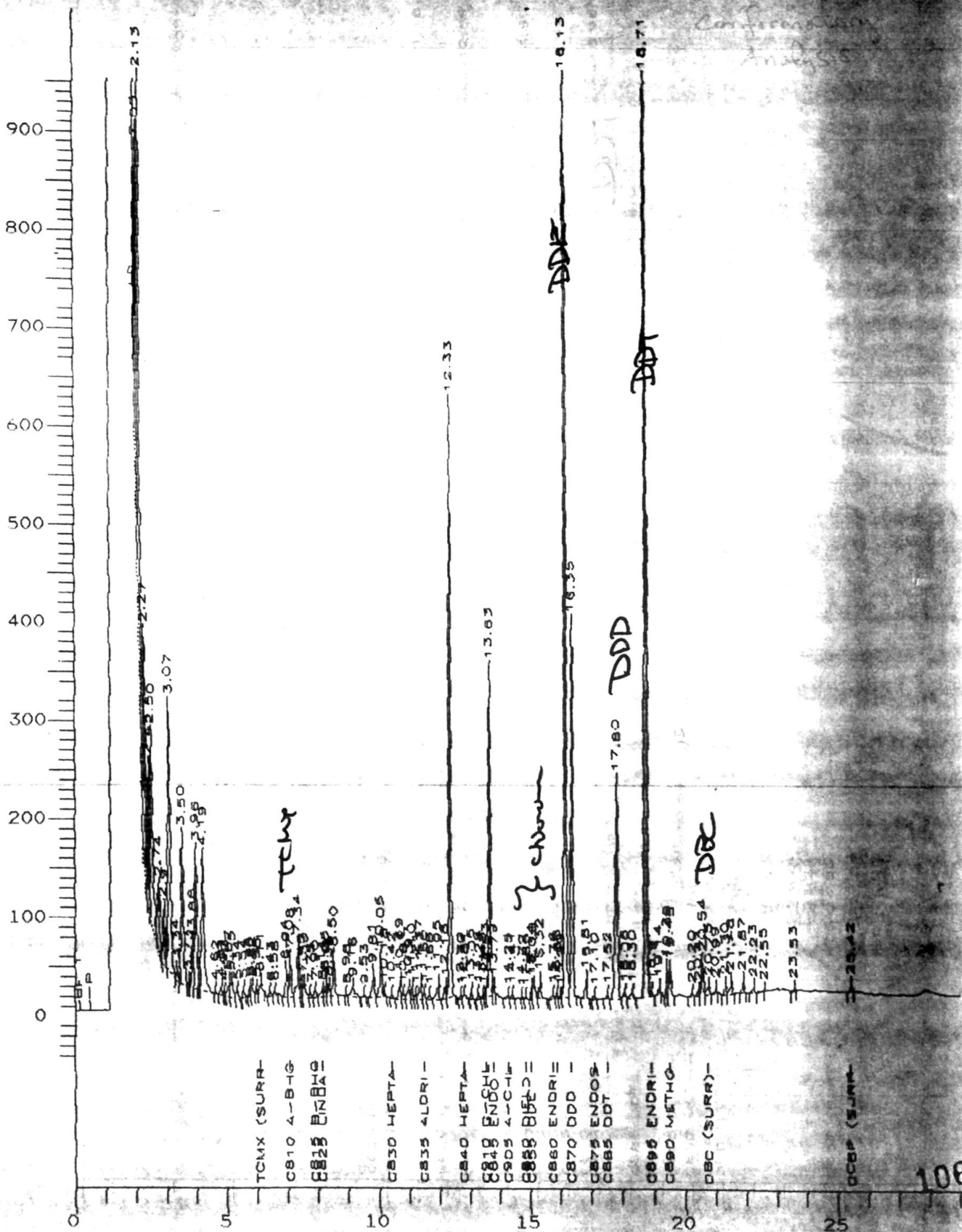
Date : 4/8/94 05:24 PM

Low Point : -44.64 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.36



Software Version: 3.1 <2A23>

Sample Name : 1415-009x10

Sample Number: 36

Operator :

Time : 4/6/94 11:57 AM

Study :

SEMIVOLATILE ORGANIC COMPOUNDS *Confirmatory Analysis* ANALYSIS DATA SHEET

Instrument : VARIAN 3400 ECD

Channel : 8

A/D mV Range : 1000

AutoSampler : NONE

Injection/Vial : 0/0

1425.14

Interface Serial # : 0122572086

Data Acquisition Time: 4/5/94 10:38 AM

Delay Time : 0.00 min.

Injection Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406036.raw

Result File : d:\3400\b406036.rst

Instrument File: d:\2700\methdan\qtmpea.ins

Process File : d:\2700\methdan\qtmpeb.prc

Sample File : d:\2700\methdan\qtmpeb.smp

Sequence File : D:\3400\0406D0.seq

Injection Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Base Threshold: 100

Area Threshold : 100

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 115

PESTICIDE/PCB REPORT

k	Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
		2.113	850.50	294.04	851	0.0	0.0	0.0
		2.242	11645276.00	868046.25	11645276	0.0	11.7	11.7
		3.117	938814.00	-2.34e5	938814	0.0	0.9	0.9
		3.352	780072.38	158082.31	780072	0.0	0.8	0.8
		3.641	508944.06	116791.48	508944	0.0	0.5	0.5
		3.854	120951.94	36434.52	120952	0.0	0.1	0.1
		3.987	658113.00	120912.70	658113	0.0	0.7	0.7
		4.224	29163.00	7813.35	29163	0.0	0.0	0.0
		4.422	38018.94	12863.70	38019	0.0	0.0	0.0
		4.592	494811.13	81182.63	494811	0.0	0.5	0.5
		4.819	61435.00	15859.89	61435	0.0	0.1	0.1
		5.110	65631.53	10434.82	65632	0.0	0.1	0.1
		5.457	112947.88	17265.59	112948	0.0	0.1	0.1
		5.669	51957.02	11534.03	51957	0.0	0.1	0.1
		5.745	109076.26	33485.56	109076	0.0	0.1	0.1
		5.892	88575.95	21205.88	88576	0.0	0.1	0.1
		6.033	68479.14	8194.62	68479	0.0	0.1	0.1
		6.272	87110.23	9257.82	87110	0.0	0.1	0.1
		6.422	58747.77	11382.80	58748	0.0	0.1	0.1
		6.506	209483.30	33951.16	209483	0.0	0.2	0.2
		6.717	74671.91	11794.68	74672	0.0	0.1	0.1
		6.900	92094.20	15561.71	92094	0.0	0.1	0.1
		6.986	309685.09	67679.23	309685	0.0	0.3	0.3
4	TCMX (SURR)	7.143	39145.00	9657.21	39145	-1.3	-1.3	-1.3
		7.258	58831.00	11068.23	58831	0.0	0.1	0.1
		7.343	195392.66	35226.41	195393	0.0	0.2	0.2
		7.577	145469.81	20394.61	145470	0.0	0.2	0.2

29		7.870	71595.06	9607.61	71595	0.0	0.1	0.1
		8.054	115728.65	12718.82	115729	0.0	0.1	0.1
		8.183	126449.50	10941.20	126450	0.0	0.1	0.1
32	C810 A-BHC	8.415	42777.70	7573.30	42778	0.6	0.6	0.6
		8.514	58483.79	11481.66	58484	0.0	0.1	0.1
		8.627	102176.37	16476.84	102176	0.0	0.1	0.1
35		8.737	29715.12	7860.94	29715	0.0	0.0	0.0
34		8.796	34838.42	7191.62	34838	0.0	0.0	0.0
		8.964	48025.81	6245.99	48026	0.0	0.1	0.1
39	C815 B-BHC	9.199	295492.75	43499.81	295493	2.0	2.0	2.0
		9.327	92588.06	23914.19	92588	0.0	0.1	0.1
	C825 LINDANE	9.511	51277.53	6695.19	51278	0.9	0.9	0.9
		9.730	17470.73	3557.12	17471	0.0	0.0	0.0
42		9.878	43696.13	9681.76	43696	0.0	0.0	0.0
		9.985	73433.10	14620.70	73433	0.0	0.1	0.1
	C820 D-BHC	10.127	37714.00	7977.48	37714	1.0	1.0	1.0
45		10.260	76221.77	11326.69	76222	0.0	0.1	0.1
46		10.528	2000.50	989.12	2001	0.0	0.0	0.0
		10.715	65401.09	14200.52	65401	0.0	0.1	0.1
		10.831	18700.23	2994.66	18700	0.0	0.0	0.0
		10.965	5898.00	1621.87	5898	0.0	0.0	0.0
		11.178	1358115.00	362727.28	1358115	0.0	1.4	1.4
		11.348	46324.00	8080.97	46324	0.0	0.1	0.1
		11.571	31605.00	3369.51	31605	0.0	0.0	0.0
	C830 HEPTACHLOR	11.779	10514.82	2195.84	10515	0.5	0.5	0.5
		12.045	62390.72	8845.79	62391	0.0	0.1	0.1
		12.281	63874.63	13062.89	63875	0.0	0.1	0.1
		12.486	25033.91	4607.78	25034	0.0	0.0	0.0
	C835 ALDRIN	12.692	4546592.00	1.0306	4546592	8.0	8.0	8.0
		13.313	4281.00	1335.36	4281	0.0	0.0	0.0
		13.468	3564.45	616.47	3565	0.0	0.0	0.0
		13.647	54985.34	11813.55	54985	0.0	0.1	0.1
		13.787	53730.23	12045.18	53730	0.0	0.1	0.1
	C840 HEPTACHLOR EPOX	14.063	11408.50	2998.32	11409	0.5	0.5	0.5
		14.214	33566.50	7537.36	33567	0.0	0.0	0.0
		14.318	13269.50	3685.53	13270	0.0	0.0	0.0
		14.439	4719.50	1399.67	4720	0.0	0.0	0.0
	C910 G-CHLORDANE	14.692	4236509.00	1.0306	4236509	10.3	10.3	10.3
	C845 ENDO 1	14.926	58613.00	14424.92	58613	0.6	0.6	0.6
	C905 A-CHLORDANE	15.266	4159.28	1049.94	4159	1.1	1.1	1.1
		15.377	15954.59	2938.81	15955	0.0	0.0	0.0
		15.547	8377.12	1994.65	8377	0.0	0.0	0.0
	C855 DDE	15.882	555927.38	138848.42	555927	2.2	2.2	2.2
		15.989	224745.02	60962.41	224745	0.0	0.2	0.2
		16.299	8420.30	1946.59	8420	0.0	0.0	0.0
	C860 ENDRIIN	16.489	18915.36	4169.54	18915	0.6	0.6	0.6
		16.680	5087.19	844.81	5087	0.0	0.0	0.0
	C865 ENDO 2	16.773	7348.57	1143.17	7349	0.5	0.5	0.5
	C870 DDD	16.960	2214455.25	575650.31	2214455	10.0	10.0	10.0
	C900 ENDRIIN ALDEHYDE	17.242	79157.06	16540.97	79157	1.1	1.1	1.1
		17.531	111668.84	20643.95	111669	0.0	0.1	0.1
	C885 DDT	18.144	9718.05	1509.85	9718	1.4	1.4	1.4
		18.312	3497.50	1178.58	3498	0.0	0.0	0.0
		18.523	21231.22	4174.64	21231	0.0	0.0	0.0
		18.618	26225.28	5912.71	26225	0.0	0.0	0.0
		19.012	3013.90	883.58	3014	0.0	0.0	0.0
		19.093	11168.63	2224.83	11169	0.0	0.0	0.0
46	C895 ENDRIIN KETONE	19.311	41836.53	6870.65	41837	2.5	2.5	2.5
		19.462	81658.67	12073.49	81659	0.0	0.1	0.1
		19.592	135934.91	26026.68	135935	0.0	0.1	0.1
49	C890 METHOXYCHLOR	19.897	33892.00	4020.42	33892	1.6	1.6	1.6
		20.015	45264.08	6388.17	45264	0.0	0.1	0.1
		20.547	72580.22	2996.71	72580	0.0	0.1	0.1
52	DBC (SURR)	20.903	9155.00	986.04	9155	-3.2	-3.2	-3.2

95

98

01

02

03 DCBP (SURR)

21.823	2101.00	526.25	2101	0.0	0.0	0.0
22.241	9593.00	66.04	9593	0.0	0.0	0.0
22.520	5177.58	1102.07	5178	0.0	0.0	0.0
22.713	9124.50	859.94	9125	0.0	0.0	0.0
23.098	1792.00	579.31	1792	0.0	0.0	0.0
23.235	10393.84	1143.94	10394	0.0	0.0	0.0
23.450	25932.66	5735.44	25933	0.0	0.0	0.0
23.822	2541.16	743.19	2541	0.0	0.0	0.0
23.979	23567.13	1895.96	23567	0.0	0.0	0.0
24.251	41418.53	3384.31	41419	0.0	0.0	0.0
24.553	11357.98	1055.53	11358	-6.2	-6.2	-6.2
25.196	1696.00	430.50	1696	0.0	0.0	0.0
25.368	2935.50	528.00	2936	0.0	0.0	0.0
25.593	6757.50	940.80	6758	0.0	0.0	0.0
26.059	5593.98	718.34	5594	0.0	0.0	0.0
26.271	9724.03	1121.69	9724	0.0	0.0	0.0
26.498	1566.00	201.52	1566	0.0	0.0	0.0
27.463	21694.00	2591.48	21694	0.0	0.0	0.0
27.944	4546.91	630.98	4547	0.0	0.0	0.0
28.095	4877.09	764.80	4877	0.0	0.0	0.0
28.450	421.00	271.00	421	0.0	0.0	0.0

33102060.00	5.20e6	33102060	34.7	55.5	55.5
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RIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
um FILM DETECTOR=300C INJECTOR=250C

=====

Sample Name : 1415-009x10

FileName : d:\3400\b406036.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset: -5 mV

Sample #: 36

Date : 4/6/94 11:57 AM

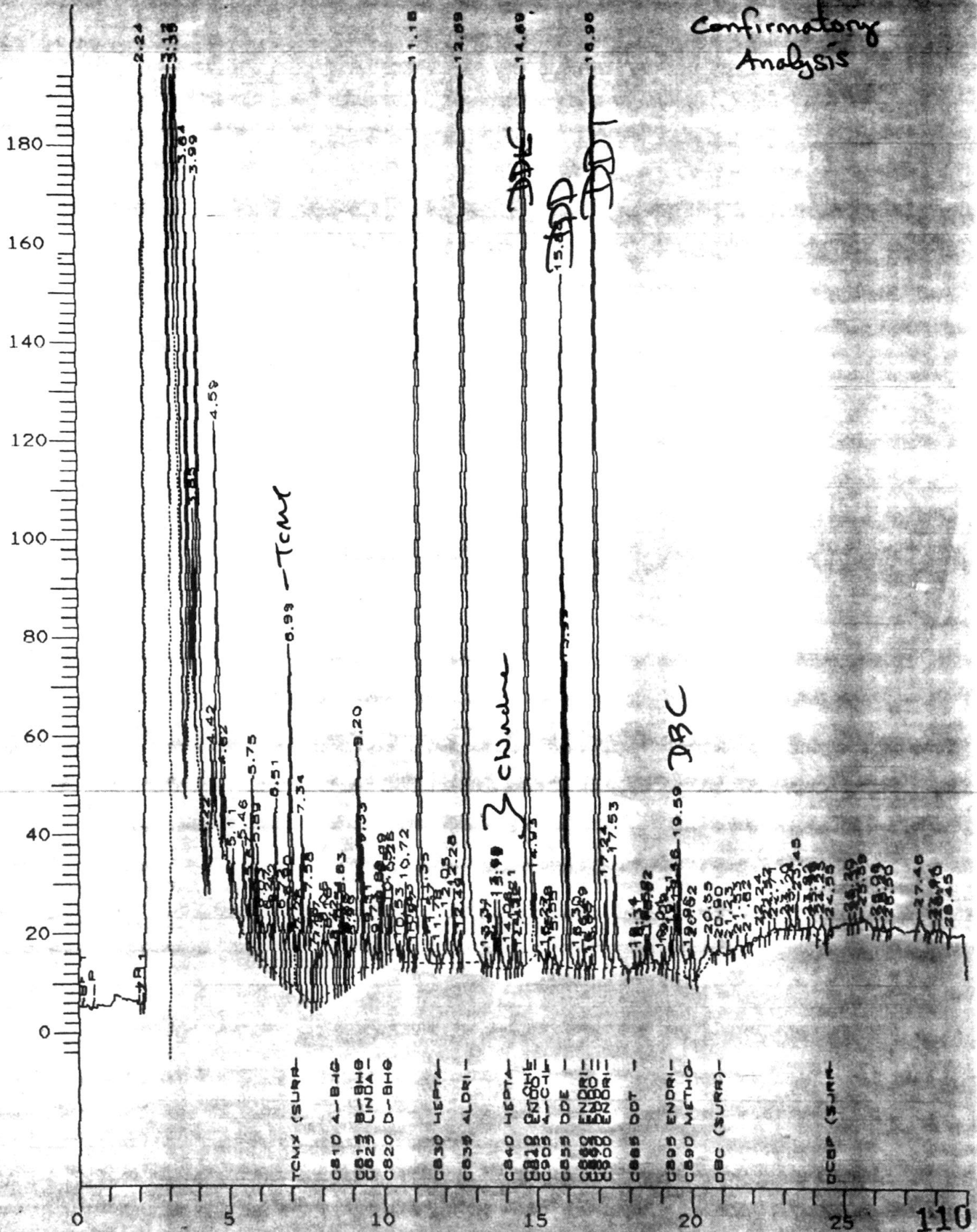
Low Point : -5.27 mV

Plot Scale: 200 mV

Page 1 of 1

High Point : 194.73

Confirmatory
Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.14

CASE NUMBER: P.O. RA-0567

QC REPORT No.: GP56

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 03/13-14/94

DATE ANALYZED: 04/10/94

GPC CLEAN UP: pH:

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-010

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD: 3540

CONC/DIL/FACTOR: 10

DATA RELEASE AUTHORIZED BY: [Signature]

PERCENT MOISTURE: (Not Decanted) 26

CONCENTRATION:

UNITS: mg/kg-dry

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	.07
319-84-6	alpha-BHC	<m.d.l.	.07
319-85-7	beta-BHC	<m.d.l.	.07
319-86-8	delta-BHC	<m.d.l.	.07
58-89-9	gamma-BHC	<m.d.l.	.07
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	8.82	.41
60-57-1	Dieldrin	<m.d.l.	.07
959-98-8	Endosulfan I		
33213-65-9	Endosulfan II	<m.d.l.	.14
1031-07-8	Endosulfan Sulfate	<m.d.l.	.14
72-20-8	Endrin	<m.d.l.	.07
7421-38-3	Endrin Aldehyde	<m.d.l.	.34
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	.07
1024-57-3	Heptachlor Epoxide	<m.d.l.	.07
72-43-5	Methoxychlor	<m.d.l.	.74
72-54-8	4,4'-DDD	0.17	.14
72-55-9	4,4'-DDE	<m.d.l.	.07
50-29-3	4,4'-DDT	0.12	.14

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	.14
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-18-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1812-24-9	Atrazine		
1897-45-6	DCPA (Dacthal)		
2583-15-9	Ethidiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-18-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

or Wg 58.7 VI 1000 VI

Vs = volume of water extracted (mL) VI = volume of total extract (uL)

Wg = Weight of sample extracted (g) VI = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Software Version: 3.1 <2A23>

Sample Name : 1415-010x100

Sample Number: 25

Operator :

Time

: 4/8/94 10:55 AM

Study

: pest/pcb

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/8/94 10:26 AM

Delay Time : 0.00 min.

Load Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\408025.raw

Result File : d:\3400\408025.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesa.pro

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\0408do.seq

Injection Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Base Threshold: 500

Area Threshold : 500

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 59

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.661	52097.00	5188.12	52097	0.0	0.1	0.1
	3.283	269288.00	55493.14	269288	0.0	0.3	0.3
	4.195	281850.00	43674.77	281850	0.0	0.3	0.3
	5.086	43740.00	5717.66	43740	0.0	0.0	0.0
	5.558	8786.00	2016.13	8786	0.0	0.0	0.0
	6.597	7423.47	1385.59	7424	0.0	0.0	0.0
	6.933	10619.00	2720.50	10619	0.0	0.0	0.0
	8.579	28148.00	7724.42	28148	0.0	0.0	0.0
C820 D-BHC	8.825	26588.00	7282.23	26588	1.3	1.3	1.3
	10.108	29125.00	1605.44	29125	0.0	0.0	0.0
	10.978	61038.48	15774.58	61039	0.0	0.1	0.1
	11.380	11693.91	3399.72	11694	0.0	0.0	0.0
C835 ALDRIN	11.492	32045.59	7779.12	32046	0.5	0.5	0.5
	11.887	48040.98	7628.77	48041	0.0	0.1	0.1
	12.330	11417.56	2859.97	11418	0.0	0.0	0.0
	12.573	13410.82	2475.03	13411	0.0	0.0	0.0
C840 HEPTACHLOR EPOX	12.676	5391.50	1373.53	5392	0.9	0.9	0.9
	13.072	45015.42	10720.50	45015	0.0	0.1	0.1
	13.134	52293.59	10381.55	52294	0.0	0.1	0.1
C910 G-CHLORDANE	13.398	83942.02	12816.37	83942	1.5	1.5	1.5
C845 ENDO 1	13.766	8289.99	1971.06	8290	1.6	1.6	1.6
C905 A-CHLORDANE	14.181	139124.88	27081.71	139125	2.2	2.2	2.2
	14.348	29990.81	6033.59	29991	0.0	0.0	0.0
	14.602	58369.63	10941.77	58370	0.0	0.1	0.1
	14.717	86924.60	19142.83	86925	0.0	0.1	0.1
C850 DIELDRIN	14.839	728824.81	185880.88	728825	2.5	2.5	2.5
C855 DDE	15.027	12116.10	10150.20	12116	1.0	1.0	1.0

	15.321	619388.19	158301.66	619388	0.0	0.6	0.6
C860 ENDRIIN	15.525	37640.70	9294.41	37641	2.4	2.4	2.4
	15.681	30537.53	6988.39	30538	0.0	0.0	0.0
C865 ENDO 2	15.903	18680.00	5200.58	18680	2.1	2.1	2.1
	16.057	19638.44	5135.14	19638	0.0	0.0	0.0
C870 DDD	16.258	20844.34	3018.42	20844	1.2	1.2	1.2
C900 ENDRIIN ALDEHYDE	16.447	11807.19	2762.32	11807	1.4	1.4	1.4
	16.549	31013.47	6765.08	31014	0.0	0.0	0.0
	16.799	122525.34	28258.61	122525	0.0	0.1	0.1
	16.957	10430.16	3437.63	10430	0.0	0.0	0.0
C875 ENDOSULFATE	17.129	53021.59	6617.52	53022	5.4	5.4	5.4
C885 DDT	17.515	254701.66	50354.44	254702	3.9	3.9	3.9
	17.733	170471.14	44775.34	170471	0.0	0.2	0.2
	17.793	233085.19	51252.24	233085	0.0	0.2	0.2
	17.934	17004.00	4457.42	17004	0.0	0.0	0.0
	18.122	101654.08	20935.27	101654	0.0	0.1	0.1
	18.289	48098.36	9541.70	48098	0.0	0.1	0.1
	18.581	96516.95	18632.49	96517	0.0	0.1	0.1
	18.703	1034435.38	264708.22	1034435	0.0	1.0	1.0
C895 ENDRIIN KETONE	18.893	15819.00	4312.54	15819	3.4	3.4	3.4
	19.072	6441.04	1693.42	6441	0.0	0.0	0.0
C890 METHOXYCHLOR	19.472	152097.00	36354.63	152097	0.6	0.6	0.6
	19.884	32237.00	6379.14	32237	0.0	0.0	0.0
	20.125	11536.00	2034.76	11536	0.0	0.0	0.0
	20.410	37427.14	8889.52	37427	0.0	0.0	0.0
	20.529	16339.34	4149.38	16339	0.0	0.0	0.0
DBP (SIRR)	20.748	22209.50	4477.44	22210	-0.2	-0.2	-0.2
	21.511	5561.01	1778.32	5561	0.0	0.0	0.0
	21.656	19313.97	4545.17	19314	0.0	0.0	0.0
	23.158	9537.02	1769.99	9537	0.0	0.0	0.0
DCBP (SIRR)	25.405	40823.00	6925.16	40823	0.3	0.3	0.3

	6140585.00	1.40e6	6140585	32.8	36.9	36.9	

RIAN 3400 CAPILLARY COLUMN GC: SPR-5 30M X 0.53mm ID
 um FILM DETECTOR=300C INJECTOR=250C

Sample Name : 1415-010x100

FileName : d:\3400\408025.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset : -45 mV

Sample #: 25

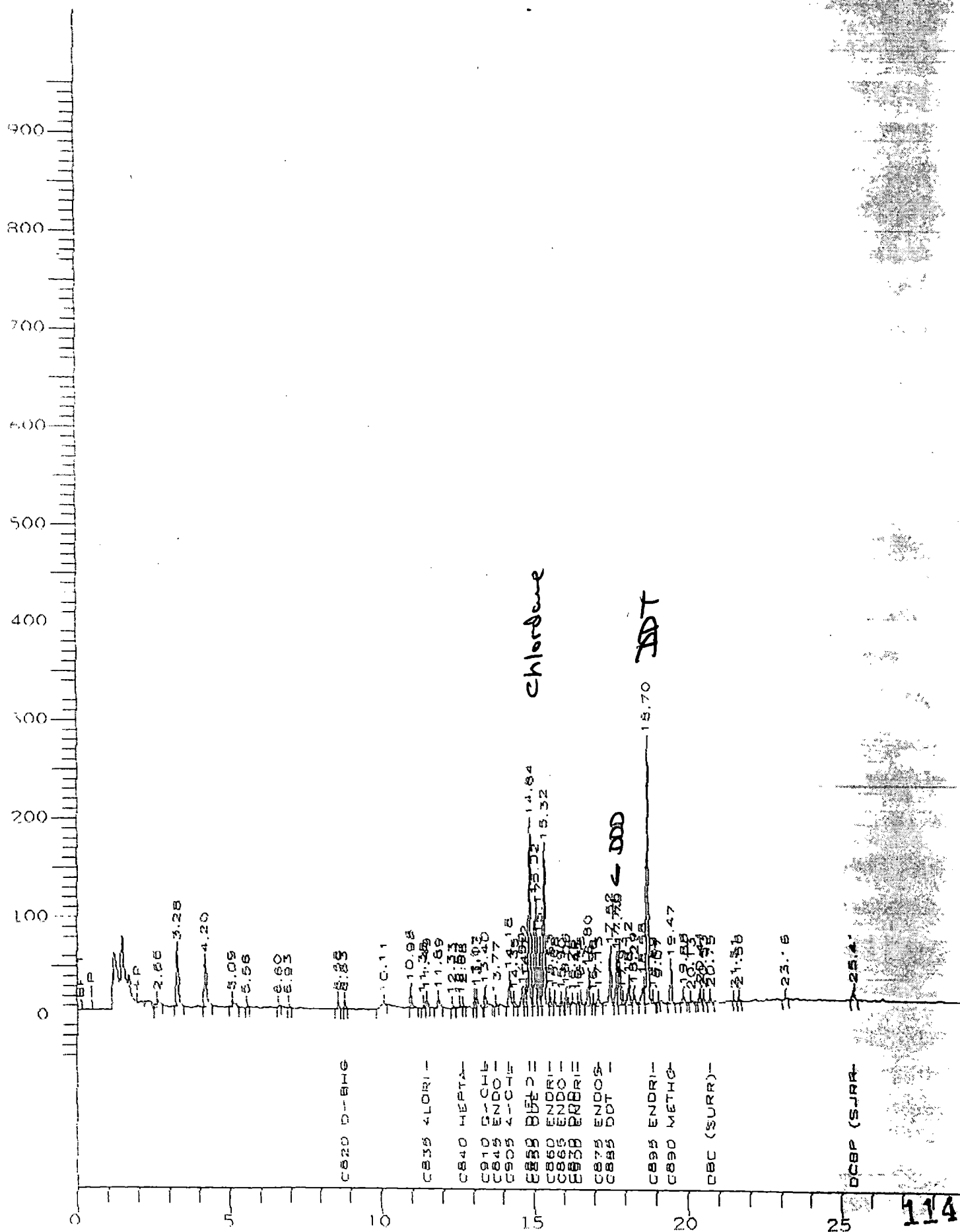
Date : 4/8/94 10:55 AM

Low Point : -44.70 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.30



ftware Version: 3.1 <2A23>

Sample Name : 1415-010x10

Sample Number: 35

Operator :

Time : 4/8/94 06:07 PM

Study : pest/pcb

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Lock/Vial : 0/0

Reference Serial # : 0122572086 Data Acquisition Time: 4/8/94 05:37 PM

Run Time : 0.00 min

Wait Time : 29.00 min

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A408035.raw

Result File : d:\3400\A408035.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesa.pro

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\040800.seq

Volume : 1.00

Area Reject : 100.00

Injection Amount : 1.0000

Dilution Factor : 1.00

Area Threshold: 500

Area Threshold: 500

Search Factor: 1

Injection Amount : 1.0000

Divisor : 1.0000

Adder : 0.0000

Injection Conditions:

Number of Peaks Detected: 112

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.205	268505.25	29904.05	268505	0.0	0.3	0.3
	2.384	143208.75	24251.21	143209	0.0	0.1	0.1
	2.570	139169.38	36157.16	139169	0.0	0.1	0.1
	3.136	36888.66	4947.85	36889	0.0	0.0	0.0
	3.286	4694087.00	969936.31	4694087	0.0	4.7	4.7
	3.803	548142.00	110107.41	548142	0.0	0.6	0.6
	3.926	172139.50	33231.09	172140	0.0	0.2	0.2
	4.200	895489.50	152556.28	895490	0.0	0.9	0.9
	4.486	11168.00	2246.86	11168	0.0	0.0	0.0
	4.709	10093.00	2831.78	10093	0.0	0.0	0.0
	4.968	196863.13	28376.84	196863	0.0	0.2	0.2
	5.085	248544.38	43126.76	248544	0.0	0.3	0.3
	5.373	6783.00	2078.59	6783	0.0	0.0	0.0
	5.552	154135.00	27808.75	154135	0.0	0.2	0.2
	5.855	47131.00	9952.39	47131	0.0	0.1	0.1
TCMX (SURR)	6.101	80782.27	16487.36	80782	-1.1e3	-1.1e3	-1.1e3
	6.245	28514.73	5303.28	28515	0.0	0.0	0.0
	6.399	6474.28	1559.45	6474	0.0	0.0	0.0
	6.515	241337.72	36681.75	241338	0.0	0.2	0.2
	6.934	93480.03	24758.10	93480	0.0	0.1	0.1
CB10 A-BHC	7.296	50608.50	9291.60	50609	1.2	1.2	1.2
	7.451	63547.97	10269.40	63548	0.0	0.1	0.1
	7.718	23565.05	4026.57	23565	0.0	0.0	0.0
CB15 A-BHC	7.892	21872.50	4074.64	21873	1.7	1.7	1.7
CB25 LINDANE	8.133	7322.14	1974.32	7322	0.9	0.9	0.9
	8.244	12233.92	2572.25	12234	0.0	0.0	0.0

	8.827	243674.00	66394.34	243674	1.5	1.5	1.5
820 D-BHC	9.324	30546.00	6710.27	30546	0.0	0.0	0.0
	9.516	9624.53	3223.52	9625	0.0	0.0	0.0
	9.756	2595314.00	521885.47	2595314	0.0	2.6	2.6
830 HEPTACHLOR	10.411	12434.03	2656.51	12434	0.0	0.0	0.0
	10.833	18648.36	2964.96	18648	0.0	0.0	0.0
	10.983	508668.06	139157.73	508668	0.0	0.5	0.5
	11.114	46113.23	12119.68	46113	0.0	0.1	0.1
	11.249	8245.36	2662.74	8245	0.0	0.0	0.0
	11.382	12801.11	3769.27	12801	0.0	0.0	0.0
	11.498	190641.63	47325.77	190642	0.0	0.2	0.2
835 ALDRIN	11.649	31200.13	8644.62	31200	0.5	0.5	0.5
	11.742	14098.94	4719.93	14099	0.0	0.0	0.0
	11.893	380100.19	67537.26	380100	0.0	0.4	0.4
	12.015	11238.00	3672.79	11238	0.0	0.0	0.0
	12.334	41520.70	9913.29	41521	0.0	0.0	0.0
	12.458	32930.47	9262.96	32931	0.0	0.0	0.0
	12.584	78853.50	21760.09	78854	0.0	0.1	0.1
	12.722	33658.25	7090.51	33658	0.0	0.0	0.0
840 HEPTACHLOR EPOX	12.874	47776.00	13581.45	47776	1.0	1.0	1.0
	13.080	155688.00	36627.36	155688	0.0	0.2	0.2
	13.401	547454.94	104616.77	547455	0.0	0.6	0.6
	13.552	102308.00	19482.28	102308	0.0	0.1	0.1
845 D-DIBODANE	13.777	107270.97	21950.97	107271	1.5	1.5	1.5
845 E-E	13.907	55116.30	16916.62	55117	1.6	1.6	1.6
845 D-DIBODANE	14.186	1110720.50	230578.20	1110721	3.1	3.1	3.1
	14.348	160167.00	39707.47	160167	0.0	0.2	0.2
	14.611	441485.69	83035.08	441486	0.0	0.4	0.4
	14.723	622623.63	150065.66	622624	0.0	0.6	0.6
	14.825	5219373.50	1,0386	5219374	0.0	5.2	5.2
850 DIELDRIN	15.026	3990202.00	980321.06	3990202	5.6	5.6	5.6
855 DDE	15.171	2292777.75	618172.00	2292778	3.5	3.5	3.5
	15.325	4806348.00	966266.19	4806348	0.0	4.8	4.8
	15.532	282297.38	71252.08	282297	0.0	0.3	0.3
860 ENDRIIN	15.686	193493.78	49591.17	193494	2.6	2.6	2.6
	15.907	132918.00	36396.63	132918	0.0	0.1	0.1
865 END 2	16.062	150561.50	40998.18	150562	2.3	2.3	2.3
	16.349	676677.38	150826.38	676677	0.0	0.7	0.7
870 DDE	16.451	78031.00	23814.69	78031	1.3	1.3	1.3
880 ENDRIIN ALDEHYDE	16.549	226951.16	49361.16	226951	1.9	1.9	1.9
	16.803	907235.31	221036.00	907235	0.0	0.9	0.9
	16.964	82126.41	24254.37	82126	0.0	0.1	0.1
	17.125	270333.63	38595.30	270334	0.0	0.3	0.3
	17.322	31603.45	8244.87	31604	0.0	0.0	0.0
	17.387	34470.75	9319.51	34471	0.0	0.0	0.0
875 ENDOSULFATE	17.520	1485007.75	388425.69	1485008	8.7	8.7	8.7
885 DDT	17.736	1468532.50	353835.81	1468533	6.5	6.5	6.5
	17.795	1477076.25	440420.06	1477076	0.0	1.5	1.5
	17.940	89466.00	24627.59	89466	0.0	0.1	0.1
	18.128	654250.56	143003.36	654251	0.0	0.7	0.7
	18.294	303157.31	60764.79	303157	0.0	0.3	0.3
	18.584	676028.25	123773.27	676028	0.0	0.7	0.7
	18.692	5330688.00	1,0066	5330688	0.0	5.3	5.3
	18.898	116301.06	30210.68	116301	0.0	0.1	0.1
895 ENDRIIN KETONE	19.074	108221.59	19702.94	108222	3.5	3.5	3.5
	19.175	93846.66	17586.24	93847	0.0	0.1	0.1
	19.472	1075509.00	281894.97	1075509	0.0	1.1	1.1
890 METHOXYCHLOR	19.764	640728.88	129378.66	640729	2.6	2.6	2.6
	19.884	209628.63	45540.18	209629	0.0	0.2	0.2
	20.134	98413.00	15290.14	98413	0.0	0.1	0.1
	20.285	28515.59	5877.75	28516	0.0	0.0	0.0
	20.412	249175.00	57508.75	249175	0.0	0.3	0.3
	20.533	115845.22	25907.77	115845	0.0	0.1	0.1
	20.714	92539.75	12431.30	92540	0.0	0.1	0.1

21.272	59055.41	8340.27	59055	0.0	0.1	0.1
21.414	51651.66	10787.81	51652	0.0	0.1	0.1
21.514	52646.47	14374.95	52647	0.0	0.1	0.1
21.658	135989.06	28919.46	135989	0.0	0.1	0.1
21.955	6804.25	1859.92	6804	0.0	0.0	0.0
22.116	37809.06	5714.88	37809	0.0	0.0	0.0
22.201	35404.69	8637.87	35405	0.0	0.0	0.0
22.542	46142.13	9079.51	46142	0.0	0.1	0.1
22.734	26524.44	4261.75	26524	0.0	0.0	0.0
22.885	71789.88	9940.85	71790	0.0	0.1	0.1
23.160	30481.09	7660.56	30481	0.0	0.0	0.0
23.547	61404.13	9606.39	61404	0.0	0.1	0.1
23.779	25589.88	3348.43	25590	0.0	0.0	0.0
24.478	27059.56	4100.43	27060	0.0	0.0	0.0
25.220	20992.66	3663.83	20993	0.0	0.0	0.0
25.405	245635.81	39533.66	245636	1.7	1.7	1.7
25.792	15138.94	2920.53	15139	0.0	0.0	0.0
26.087	58555.31	8271.95	58555	0.0	0.1	0.1
26.351	71510.38	12338.99	71510	0.0	0.1	0.1

DCBP (SURR)

50938496 00 1.10e7 50938496 -1.1e3 -1.0e3 -1.0e3

=====

ANN: 2000 SUPPLEMENTARY COLUMN CODE: 1000-1000 1000 x 0 53mm ID

=====

Sample Name : 1415-010x10
FileName : d:\3400\408035.raw
Start Time : 0.00 min
Scale Factor : -1

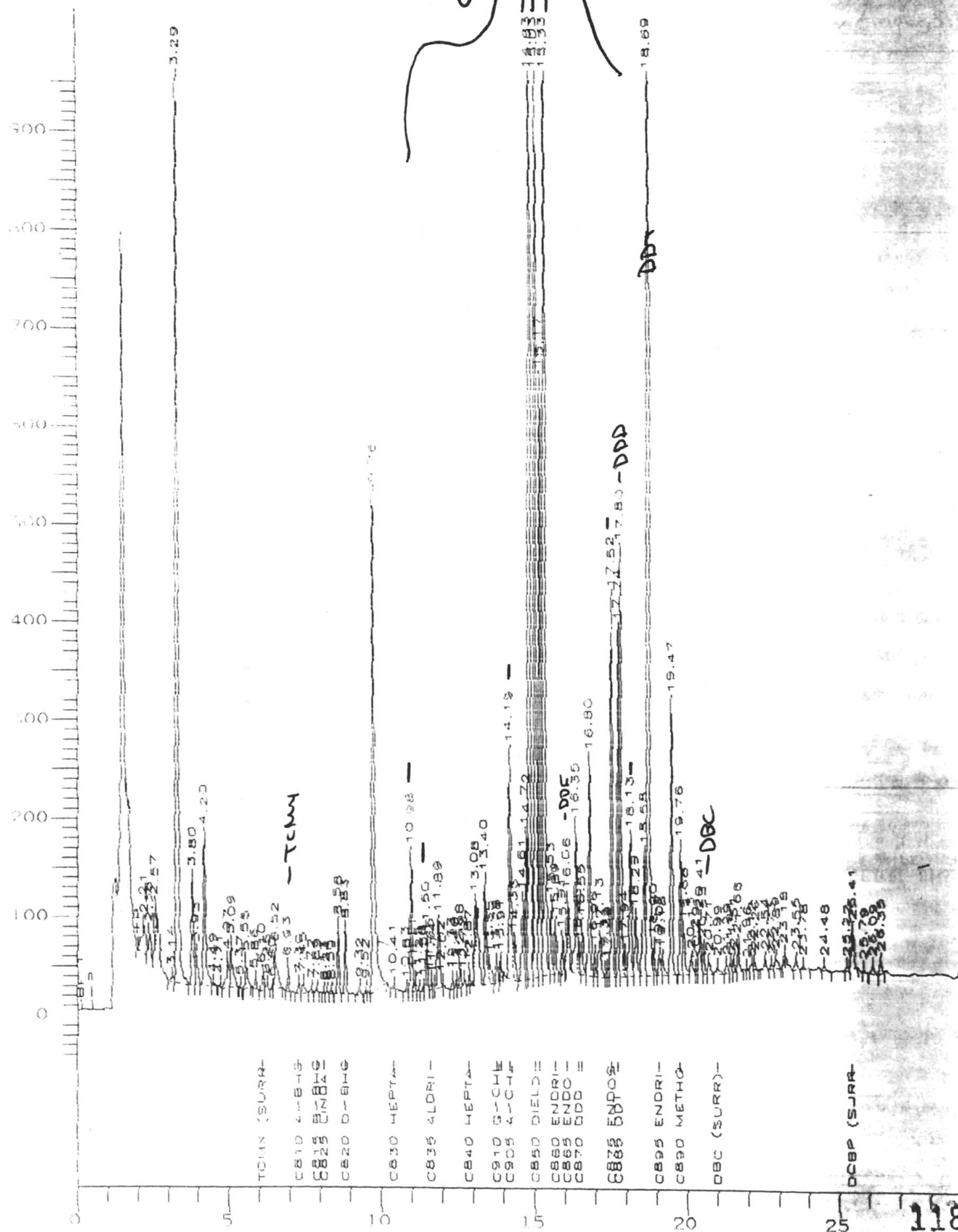
End Time : 29.00 min
Plot Offset: -45 mV

Sample #: 35
Date : 4/8/94 06:07 PM
Low Point : -44.94 mV
Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.06

CHLORDANE



Software Version: 3.1 <2A23>

Sample Name : 1415-0110x10 SPR 4/21/94

Sample Number: 37 -010X10

Operator :

Time : 4/6/94 12:06 PM

Study :

Confirmatory Analysis

Instrument : VARIAN 3400 ECD

Channel : B A/D mV Range : 1000

AutoSampler : NONE

Back/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 11:11 AM

Delay Time : 0.00 min.

Load Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406037.raw

Result File : d:\3400\b406037.rst

Instrument File: d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesb.pro

Sample File : d:\2700\methdan\qtmpesb.smp

Sequence File : D:\3400\040600.seq

Injection Volume : 1 ul

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Integration Threshold: 100

Area Threshold : 100

Bunch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Adder : 0.0000

Integration Conditions:

Total number of Peaks Detected: 143

PESTICIDE/PCB REPORT

* Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.220	1245373.00	208226.34	1245373	0.0	1.3	1.3
	2.448	2741276.00	315924.81	2741276	0.0	2.7	2.7
	2.617	1498474.00	143766.89	1498474	0.0	1.5	1.5
	2.900	482489.44	56770.59	482489	0.0	0.5	0.5
	3.093	362237.66	43656.29	362238	0.0	0.4	0.4
	3.211	476166.91	61846.36	476167	0.0	0.5	0.5
	3.391	404547.88	41137.82	404548	0.0	0.4	0.4
	3.620	97938.17	17436.18	97938	0.0	0.1	0.1
	3.764	2335665.50	440795.09	2335666	0.0	2.3	2.3
	3.992	886417.00	106625.70	886417	0.0	0.9	0.9
	4.166	203060.00	19753.75	203060	0.0	0.2	0.2
	4.372	105739.13	19335.30	105739	0.0	0.1	0.1
	4.474	76874.63	14228.57	76875	0.0	0.1	0.1
	4.625	237116.56	41957.57	237117	0.0	0.2	0.2
	4.692	197286.03	37000.95	197286	0.0	0.2	0.2
	4.916	229488.91	25238.66	229489	0.0	0.2	0.2
	5.084	120051.10	16246.25	120051	0.0	0.1	0.1
	5.279	38688.69	7542.18	38689	0.0	0.0	0.0
	5.374	40395.32	6393.43	40395	0.0	0.0	0.0
	5.551	46235.51	4733.56	46236	0.0	0.1	0.1
	5.703	39714.52	12585.26	39715	0.0	0.0	0.0
	5.840	77805.31	13042.22	77805	0.0	0.1	0.1
	6.114	150511.66	25919.76	150512	0.0	0.2	0.2
	6.237	41228.18	8377.38	41228	0.0	0.0	0.0
	6.373	27397.90	4867.44	27398	0.0	0.0	0.0
	6.647	20817.00	2944.29	20817	0.0	0.0	0.0
	6.870	44004.38	13471.84	44005	0.0	0.4	0.4

29		7.355	16722.33	1998.09	16722	0.0	0.0	0.0
		7.536	7441.15	1583.44	7441	0.0	0.0	0.0
		7.631	5687.52	1601.63	5688	0.0	0.0	0.0
32		7.864	4283.35	1068.70	4283	0.0	0.0	0.0
		7.945	4527.07	1121.96	4527	0.0	0.0	0.0
		8.135	168665.92	46037.34	168666	0.0	0.2	0.2
35	CB10 A-BHC	8.242	178082.00	45342.57	178082	0.8	0.8	0.8
		8.458	28000.00	5310.06	28000	0.0	0.0	0.0
		8.670	1584434.00	292300.06	1584434	0.0	1.6	1.6
	CB15 B-BHC	9.120	124411.05	28668.01	124411	1.1	1.1	1.1
		9.260	20112.00	3960.30	20112	0.0	0.0	0.0
	CB25 LINDANE	9.400	37339.62	4824.94	37340	0.8	0.8	0.8
		9.617	6629.99	1418.76	6630	0.0	0.0	0.0
		9.916	3231.00	928.96	3231	0.0	0.0	0.0
	CB20 D-BHC	10.008	11164.00	3572.35	11164	0.9	0.9	0.9
		10.183	329862.50	93267.81	329863	0.0	0.3	0.3
		10.438	13869.49	3133.33	13870	0.0	0.0	0.0
		10.724	107257.73	26492.10	107258	0.0	0.1	0.1
		10.787	106833.42	30199.81	106833	0.0	0.1	0.1
		10.883	162162.53	44137.08	162163	0.0	0.2	0.2
		11.041	18640.73	3846.55	18641	0.0	0.0	0.0
		11.149	13316.58	3410.17	13317	0.0	0.0	0.0
		11.256	6294.32	1813.47	6294	0.0	0.0	0.0
		11.425	47743.81	10395.18	47744	0.0	0.1	0.1
	CB30 HEPTACHLOR	11.581	116043.94	26336.16	116044	0.7	0.7	0.7
		11.693	197688.94	50364.80	197689	0.0	0.2	0.2
		11.761	119237.33	36112.48	119237	0.0	0.1	0.1
		11.860	171531.59	29741.81	171532	0.0	0.2	0.2
		12.069	82677.16	15643.61	82677	0.0	0.1	0.1
		12.220	79984.56	21913.54	79985	0.0	0.1	0.1
		12.310	47826.42	12746.88	47826	0.0	0.1	0.1
		12.434	38991.56	10046.06	38992	0.0	0.0	0.0
		12.576	1759008.13	448930.03	1759008	0.0	1.8	1.8
	CB35 ALDRIN	12.702	79088.00	21023.86	79088	0.1	0.1	0.1
		12.823	275353.56	51579.91	275354	0.0	0.3	0.3
		13.076	183861.48	29620.44	183862	0.0	0.2	0.2
		13.224	184560.97	33625.95	184561	0.0	0.2	0.2
		13.337	613370.63	135899.47	613371	0.0	0.6	0.6
		13.495	2884604.00	751264.56	2884604	0.0	2.9	2.9
		13.675	815242.75	205425.19	815243	0.0	0.8	0.8
	CB40 HEPTACHLOR EPOX	13.931	2394069.25	646194.25	2394069	5.3	5.3	5.3
		14.087	1547564.25	420557.06	1547564	0.0	1.6	1.6
		14.341	10908.50	2923.38	10909	0.0	0.0	0.0
		14.502	169755.38	47080.45	169755	0.0	0.2	0.2
	CB90 G-CHLORDANE	14.573	141850.31	35603.12	141850	1.1	1.1	1.1
		14.682	100598.70	25318.01	100599	0.0	0.1	0.1
		14.797	428211.03	104277.41	428211	0.0	0.4	0.4
	CB45 ENDO 1	14.912	54150.00	16932.14	54150	0.6	0.6	0.6
	CB905 A-CHLORDANE	14.995	35161.66	10028.07	35162	1.2	1.2	1.2
		15.130	49933.72	13048.56	49934	0.0	0.1	0.1
		15.267	33119.28	7628.65	33119	0.0	0.0	0.0
		15.469	94932.09	20743.91	94932	0.0	0.1	0.1
	CB50 DIELDRIN	15.600	59490.47	18683.29	59491	0.4	0.4	0.4
	CB55 DDE	15.752	609371.44	160654.44	609371	2.3	2.3	2.3
		15.861	1237565.75	281862.44	1237566	0.0	1.2	1.2
		16.092	302495.69	73649.63	302496	0.0	0.3	0.3
	CB60 ENDRIIN	16.252	492211.66	67055.36	492212	2.1	2.1	2.1
		16.534	43653.52	10697.11	43654	0.0	0.0	0.0
	CB65 ENDO 2	16.652	143116.50	26757.98	143117	1.0	1.0	1.0
		16.829	3239510.50	832292.31	3239511	0.0	3.2	3.2
	CB70 DDD	16.948	183529.00	47803.34	183529	2.3	2.3	2.3
	CB900 ENDRIN ALDEHYDE	17.109	637450.94	129619.15	637451	5.7	5.7	5.7
		17.447	61997.69	14041.84	61998	0.0	0.1	0.1
		17.583	307017.00	52852.08	307017	0.0	0.3	0.3

00		17.997	14862.94	3364.07	14863	0.0	0.0	0.0
	C885 DDT	18.096	38605.31	9378.03	38605	1.6	1.6	1.6
11		18.241	24508.00	6410.94	24508	0.0	0.0	0.0
28		18.375	8648.00	2811.48	8648	0.0	0.0	0.0
		18.483	17083.00	5229.84	17083	0.0	0.0	0.0
		18.694	18508.50	5541.22	18509	0.0	0.0	0.0
01		18.872	96474.11	26483.82	96474	0.0	0.1	0.1
	C895 ENDRIK KETONE	19.131	16088.00	4065.28	16088	2.4	2.4	2.4
		19.287	5297.75	827.58	5298	0.0	0.0	0.0
4		19.463	67042.00	12414.95	67042	0.0	0.1	0.1
5	C890 METHOXYCHLOR	19.686	55559.14	13215.40	55559	1.9	1.9	1.9
		19.937	30401.81	6157.60	30402	0.0	0.0	0.0
		20.085	44887.00	10427.24	44887	0.0	0.0	0.0
3		20.373	3040.06	621.21	3040	0.0	0.0	0.0
		20.488	6650.84	1481.64	6651	0.0	0.0	0.0
		20.598	19276.56	3326.19	19277	0.0	0.0	0.0
	DBC (SURR)	20.742	28322.73	5885.88	28323	-3.1	-3.1	-3.1
		20.902	22325.89	4283.69	22326	0.0	0.0	0.0
		21.017	9184.45	1654.42	9185	0.0	0.0	0.0
		21.301	8741.66	1557.65	8742	0.0	0.0	0.0
		21.450	39985.41	7475.74	39985	0.0	0.0	0.0
		21.574	26831.11	5714.57	26831	0.0	0.0	0.0
		21.661	34507.34	4938.85	34507	0.0	0.0	0.0
		22.035	15309.50	1613.70	15310	0.0	0.0	0.0
		22.134	6623.14	1227.05	6623	0.0	0.0	0.0
		22.284	8953.75	1062.52	8954	0.0	0.0	0.0
		22.482	13601.56	1863.87	13602	0.0	0.0	0.0
		22.801	7677.38	1784.48	7677	0.0	0.0	0.0
		22.900	1984.11	513.42	1984	0.0	0.0	0.0
		23.116	111018.06	23549.61	111018	0.0	0.1	0.1
		23.302	37632.34	5292.93	37632	0.0	0.0	0.0
		23.405	43474.31	6401.35	43474	0.0	0.0	0.0
		23.591	52701.25	6397.23	52701	0.0	0.1	0.1
		23.766	73326.22	10994.15	73326	0.0	0.1	0.1
		23.922	91956.38	10583.70	91956	0.0	0.1	0.1
		24.202	32841.53	5462.34	32842	0.0	0.0	0.0
		24.365	14237.53	2101.63	14238	0.0	0.0	0.0
	DCBP (SURR)	24.633	10691.41	1182.08	10691	-6.2	-6.2	-6.2
		25.246	17477.06	1731.11	17477	0.0	0.0	0.0
		25.345	15389.47	2074.72	15390	0.0	0.0	0.0
		25.686	33002.56	5518.42	33003	0.0	0.0	0.0
		26.350	3622.00	630.33	3622	0.0	0.0	0.0
		26.914	55448.56	4896.76	55449	0.0	0.1	0.1
		27.174	104844.44	9890.09	104844	0.0	0.1	0.1
		27.798	2151.13	397.63	2151	0.0	0.0	0.0
		27.992	10014.63	1523.23	10015	0.0	0.0	0.0
		28.165	28306.69	3020.54	28307	0.0	0.0	0.0
		28.372	6728.84	1065.98	6729	0.0	0.0	0.0
		28.701	14473.94	1543.74	14474	0.0	0.0	0.0

36920304.00	7.60e6	36920304	24.1	55.6	55.6
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RTAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 0.1um FILM DETECTOR=300C INJECTOR=250C
 =====

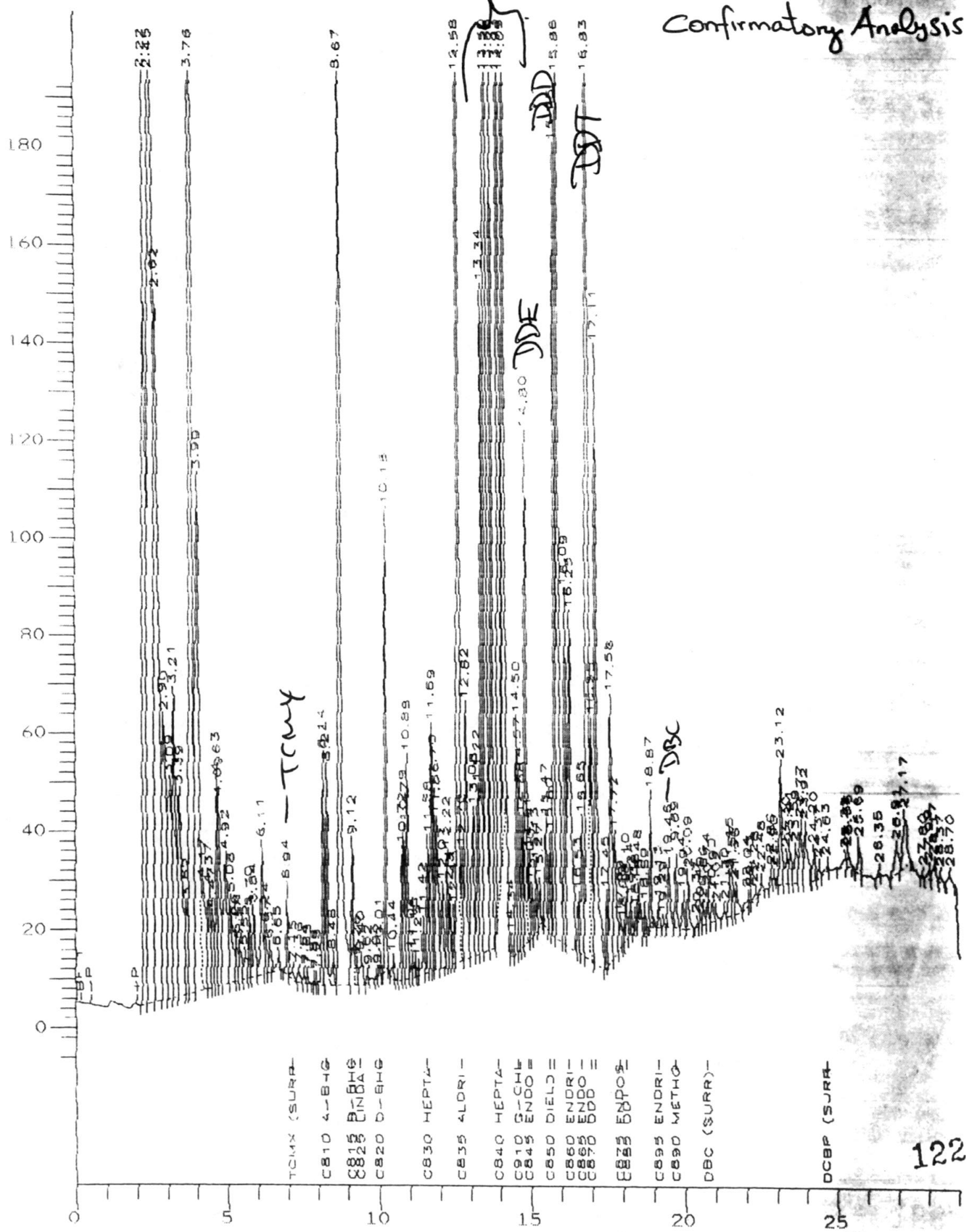
Sample Name : 1415-0110x10
FileName : d:\3400\b406037.raw
Start Time : 0.00 min
Scale Factor : -1

End Time : 29.00 min
Plot Offset: -6 mV

Sample #: 37
Date : 4/6/94 12:07 PM
Low Point : -6.06 mV
Plot Scale: 200 mV

High Point : 193.94

Confirmatory Analysis



SEMIVOLATILE ORGANIC COMPOUNDS - PESTICIDES/PCB ANALYSIS DATA SHEET

Sample

1425.16

LABORATORY NAME: Princeton Testing LabsLAB SAMPLE ID No.: 9401415-001-011SAMPLE MATRIX: LiquidEXTRACTION METHOD: Sep/FunCONC./DIL/FACTOR: 1DATA RELEASE AUTHORIZED BY: J.E. DennisonPERCENT MOISTURE: (Not Decanted) 100%

CONCENTRATION: _____

UNITS: ug/liter

CASE NUMBER: P.O. R4-0567QC REPORT No.: GP56CONTRACT No.: 3128194 SPR 3/21/94DATE SAMPLE RECEIVED: 03/21/94DATE EXTRACTED/PREPARED: 3128194DATE ANALYZED: 04/10/94

GPC CLEAN UP: _____ pH: _____

CAS NO.	COMPOUND	SAMPLE	MDL
309-00-2	Aldrin	<m.d.l.	0.01
319-84-6	alpha-BHC	<m.d.l.	0.01
319-85-7	beta-BHC	<m.d.l.	0.01
319-86-8	delta-BHC	<m.d.l.	0.01
58-89-9	gamma-BHC	<m.d.l.	0.01
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
57-74-9	Tech. Chlordane	<m.d.l.	0.03
60-57-1	Dieldrin	<m.d.l.	0.01
949-98-8	Endosulfan I	<m.d.l.	0.01
33213-65-9	Endosulfan II	<m.d.l.	0.01
1031-07-8	Endosulfan Sulfate	<m.d.l.	0.01
72-20-8	Endrin	<m.d.l.	0.01
7421-36-3	Endrin Aldehyde	<m.d.l.	0.03
53494-70-5	Endrin Ketone		
76-44-8	Heptachlor	<m.d.l.	0.01
1024-57-3	Heptachlor Epoxide	<m.d.l.	0.01
72-43-5	Methoxychlor	<m.d.l.	0.06
72-54-8	4,4'-DDD	<m.d.l.	0.01
72-55-9	4,4'-DDE	<m.d.l.	0.01
50-29-3	4,4'-DDT	<m.d.l.	0.01

CAS NO.	COMPOUND	SAMPLE	MDL
8001-35-2	Toxaphene	<m.d.l.	0.10
12674-11-2	Aroclor 1016		
11104-28-2	Aroclor 1221		
11141-16-5	Aroclor 1232		
53469-21-9	Aroclor 1242		
12672-29-6	Aroclor 1248		
11097-69-1	Aroclor 1254		
11096-82-5	Aroclor 1260		
15972-60-8	Alaclor		
1912-24-9	Atrazine		
1897-45-6	DCPA (Dachtal)		
2593-15-9	Etridiazole		
118-74-1	Hexachlorobenzene		
77-47-4	Hexachlor(1)		
5103-73-1	cis-Nonachlor		
39765-80-5	trans-Nonachlor		
52645-53-1	cis-Permethrin		
52645-55-3	trans-Permethrin		
1918-16-7	Propachlor		
122-34-9	Simazine		
1582-09-8	Trifluralin		

Vs 1000ml or Wg _____ Vf 10,000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Hexachlor(1) = Hexachlorocyclopentadiene

Software Version: 3.1 <2A23>
Sample Name : 1415-011 trip blank
Sample Number: 19
Operator :

Time : 4/8/94 06:36 AM
Study : pest/pcb

1425.16

Instrument : VARIAN 3400 ECD
AutoSampler : NONE
Vial/Vial : 0/0

Channel : A A/D mV Range : 1000

Start Date Serial # : 0122572086 Data Acquisition Time: 4/8/94 06:07 AM
Run Time : 0.00 min.
Idle Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A408019.raw
Result File : d:\3400\A408019.rst
Instrument File: d:\2700\methdan\qtmpera.ins
Process File : d:\2700\methdan\qtmpera.pro
Sample File : d:\2700\methdan\qtmpera.smp
Queue File : d:\3400\040800.seq

Injection Volume : 1.00
Injection Amount : 1.0000
Area Reject : 100.00
Dilution Factor : 1.00

Area Threshold: 500
Injection Volume : 1.0000
Area Threshold : 500
Injection Amount : 1.0000
Run Factor: 1
Adder : 0.0000

Integration Conditions:

At Number of Peaks Detected: 29

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uv*sec]	Height [uv]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	2.317	62432.02	5351.05	62432	0.0	0.1	0.1
	2.635	24267.01	2646.55	24267	0.0	0.0	0.0
	3.242	11321.00	2559.73	11321	0.0	0.0	0.0
	3.462	6647.50	1692.75	6648	0.0	0.0	0.0
	4.193	267387.00	41826.04	267387	0.0	0.3	0.3
	5.176	36902.00	7535.89	36902	0.0	0.0	0.0
CR10 A-BHC	6.931	1147373.00	293593.34	1147373	1.7	1.7	1.7
	8.144	14328.01	4073.64	14328	0.0	0.0	0.0
	10.941	10467.50	2378.66	10468	0.0	0.0	0.0
	11.230	7655.00	2279.41	7655	0.0	0.0	0.0
CR35 ALDRIN	11.384	5972.59	1763.20	5973	0.5	0.5	0.5
	11.496	24277.91	5180.74	24278	0.0	0.0	0.0
	11.949	5805.00	1552.62	5805	0.0	0.0	0.0
	12.334	8124.00	2038.56	8124	0.0	0.0	0.0
	12.536	6315.00	1794.20	6315	0.0	0.0	0.0
CR40 HEPTACHLOR EPOX	12.675	5236.00	1506.66	5236	0.9	0.9	0.9
CR10 G-CHLORDANE	13.458	58749.63	7033.78	58750	1.5	1.5	1.5
CR45 ENDO I	13.843	17278.46	2853.56	17279	1.6	1.6	1.6
	14.395	13113.50	2578.15	13114	0.0	0.0	0.0
CR50 DIELDRIN	14.567	5048.00	1253.44	5048	1.8	1.8	1.8
CR55 DDE	14.845	6119.00	1708.45	6119	1.6	1.6	1.6
CR60 ENDRIIN	15.337	13332.49	2624.43	13333	2.4	2.4	2.4
	16.554	9136.00	2332.35	9136	0.0	0.0	0.0
CR95 ENDRIIN KETONE	18.717	8982.98	1852.33	8983	3.4	3.4	3.4
CR90 METHOXYCHLOR	19.138	41874.93	8675.39	41875	0.2	0.2	0.2
	19.950	39448.48	7966.94	39449	0.0	0.0	0.0

Sample Name : 1415-011 trip blank

FileName : d:\3400\1408019.raw

Start Time : 0.00 min

Scale Factor: -1

End Time : 29.00 min

Plot Offset: -45 mV

Sample #: 19

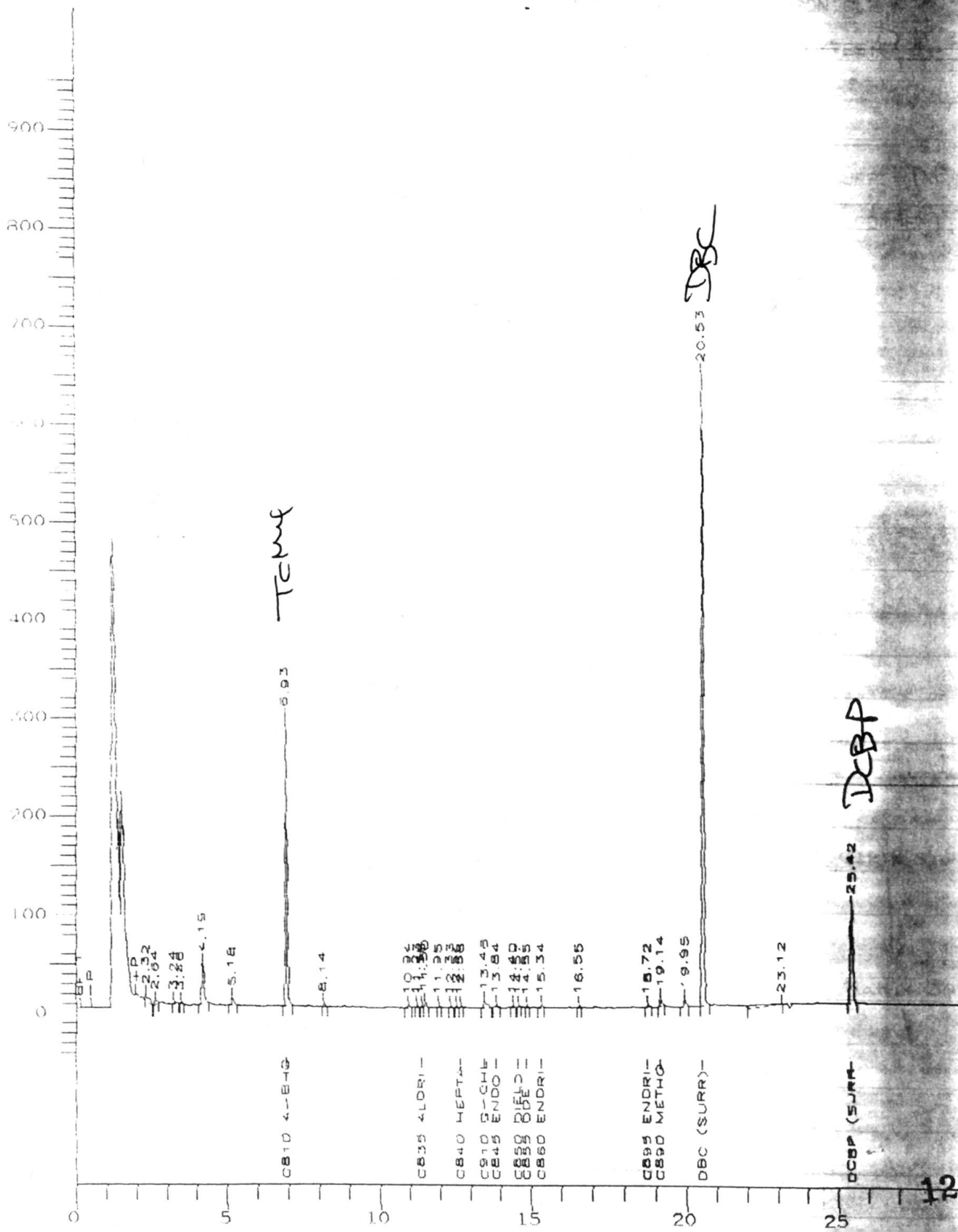
Date : 4/8/94 06:37 AM

Low Point : -44.65 mV

Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.36



Software Version: 3.1<2A23>
Sample Name : 1415 trip blank 011
Sample Number: 24
Operator :

Time : 4/6/94 09:47 AM
Study :

Confirmatory Analysis

Instrument : VARIAN 3400 ECD
AutoSampler : NONE
Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0122572086 Data Acquisition Time: 4/5/94 04:00 AM
Play Time : 0.00 min.
Idle Time : 29.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\b406024.raw
Result File : d:\3400\b406024.rst
Instrument File: d:\2700\methdan\qtmpesa.ins
Process File : d:\2700\methdan\qtmpesb.pro
Sample File : d:\2700\methdan\qtmpesb.smp
Sequence File : D:\3400\040600.seq

Injection Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Base Threshold: 100
Multiplier : 1.0000

Area Threshold : 100 Bunch Factor: 1
Divisor : 1.0000 Adder : 0.0000

Instrument Conditions:

Total Number of Peaks Detected: 75

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	0.052	1062.00	381.57	1062	0.0	0.0	0.0
	2.104	4468019.00	563406.81	4468019	0.0	4.5	4.5
	2.388	1257792.00	142300.38	1257792	0.0	1.3	1.3
	3.186	39986.98	7303.59	39987	0.0	0.0	0.0
	3.371	5884.99	1169.96	5885	0.0	0.0	0.0
	3.718	103620.00	13854.57	103620	0.0	0.1	0.1
	4.171	4365.38	1172.37	4365	0.0	0.0	0.0
	4.322	10202.12	1323.10	10202	0.0	0.0	0.0
	4.646	4792.12	1065.27	4792	0.0	0.0	0.0
	4.788	80059.88	15595.67	80060	0.0	0.1	0.1
	5.076	5040.98	765.98	5041	0.0	0.0	0.0
	5.317	665.00	303.78	665	0.0	0.0	0.0
	5.686	19903.49	4296.21	19904	0.0	0.0	0.0
	5.905	1166.50	411.72	1167	0.0	0.0	0.0
	6.355	6017.01	941.47	6017	0.0	0.0	0.0
	6.594	810360.00	190890.63	810360	0.0	0.8	0.8
TCMX (SURR)	7.079	6870.01	897.81	6870	-1.4	-1.4	-1.4
	7.350	13043.50	3144.99	13044	0.0	0.0	0.0
	7.913	6392.00	1128.76	6392	0.0	0.0	0.0
C810 A-BHC	8.302	1198.50	373.39	1199	0.5	0.5	0.5
	8.707	4494.00	564.18	4494	0.0	0.0	0.0
C815 B-BHC	8.997	1338.00	456.83	1338	0.5	0.5	0.5
C825 LINDANE	9.279	7029.23	1182.94	7029	0.8	0.8	0.8
	9.390	12272.25	1855.30	12272	0.0	0.0	0.0
	9.735	4024.50	1195.48	4025	0.0	0.0	0.0
C820 D-BHC	9.909	17962.01	3921.19	17962	0.9	0.9	0.9
	10.181	1142.50	478.16	1143	0.0	0.0	0.0

29		10.495	1916.50	593.10	1917	0.0	0.0	0.0
		10.766	1683.00	493.30	1683	0.0	0.0	0.0
		10.969	5326.00	762.75	5326	0.0	0.0	0.0
32		11.284	4256.00	873.70	4256	0.0	0.0	0.0
	C830 HEPTACHLOR	11.469	3131.53	600.10	3132	0.5	0.5	0.5
		11.786	2678.00	618.08	2678	0.0	0.0	0.0
35		12.154	52806.50	14018.21	52807	0.0	0.1	0.1
		12.369	5184.50	1704.00	5185	0.0	0.0	0.0
	C835 ALDRIN	12.676	2346.99	540.66	2347	0.0	0.0	0.0
		13.105	11535.01	1817.74	11535	0.0	0.0	0.0
		13.335	3377.50	689.14	3378	0.0	0.0	0.0
		13.494	4016.52	1042.34	4017	0.0	0.0	0.0
		13.670	5146.53	912.91	5147	0.0	0.0	0.0
2	C840 HEPTACHLOR EPOX	13.806	992.00	439.33	992	0.5	0.5	0.5
		14.090	4081.50	1027.42	4082	0.0	0.0	0.0
	C910 G-CHLORDANE	14.372	8994.50	2068.16	8995	0.8	0.8	0.8
5	C905 A-CHLORDANE	15.114	8001.00	1268.72	8001	1.1	1.1	1.1
		15.347	2709.00	435.19	2709	0.0	0.0	0.0
	C855 DDE	15.671	3737.90	716.60	3738	1.0	1.0	1.0
		15.766	3009.38	813.45	3009	0.0	0.0	0.0
		15.863	4769.09	1019.54	4769	0.0	0.0	0.0
	C860 ENDRIN	16.159	2111.39	467.74	2111	0.6	0.6	0.6
		16.359	37459.50	8130.50	37460	0.0	0.0	0.0
	C865 ENDO 2	16.537	2956.11	804.89	2956	0.5	0.5	0.5
	C900 ENDRIN ALDEHYDE	17.310	2431.49	571.30	2432	0.5	0.5	0.5
	C875 ENDOSULFATE	17.665	14369.20	1282.95	14369	2.4	2.4	2.4
	C885 DDT	18.067	10064.44	741.00	10064	1.4	1.4	1.4
		18.387	1469.00	158.27	1469	0.0	0.0	0.0
		18.516	3319.98	722.94	3320	0.0	0.0	0.0
		18.841	59644.22	7876.04	59644	0.0	0.1	0.1
	C895 ENDRIN KETONE	19.053	1304050.63	308904.25	1304051	8.4	8.4	8.4
		19.357	2758.00	754.94	2758	0.0	0.0	0.0
	C890 METHOXYCHLOR	19.809	5826.64	673.57	5827	1.2	1.2	1.2
		20.028	19916.34	2626.08	19916	0.0	0.0	0.0
	DBC (SRR)	20.634	5773.98	349.52	5774	-3.2	-3.2	-3.2
		21.224	24944.28	1778.16	24944	0.0	0.0	0.0
		22.046	75688.13	3308.97	75688	0.0	0.1	0.1
		22.522	18797.75	1180.29	18798	0.0	0.0	0.0
		22.857	329978.25	72988.79	329978	0.0	0.3	0.3
		23.793	84127.75	7382.31	84128	0.0	0.1	0.1
	DCBP (SRR)	24.446	86645.38	3291.89	86645	-4.7	-4.7	-4.7
		25.228	22321.44	1227.36	22321	0.0	0.0	0.0
		25.818	17621.28	1737.46	17621	0.0	0.0	0.0
		25.997	12826.31	1495.26	12826	0.0	0.0	0.0
		27.682	4034.00	390.10	4034	0.0	0.0	0.0
		28.000	4300.53	969.00	4301	0.0	0.0	0.0
		28.598	1324.52	323.08	1325	0.0	0.0	0.0

9191980.00	1.42e6	9191980	12.3	20.0	20.0
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RIAN 3400 CAPILLARY COLUMN GC: SPB-5 30M X 0.53mm ID
 um FILM DETECTOR=300C INJECTOR=250C
 =====

Sample Name : 1415 trip blank 011

FileName : d:\3400\b406024.raw

Start Time : 0.00 min

Scale Factor : -1

End Time : 29.00 min

Plot Offset: -7 mV

Sample #: 24

Date : 4/6/94 09:48 AM

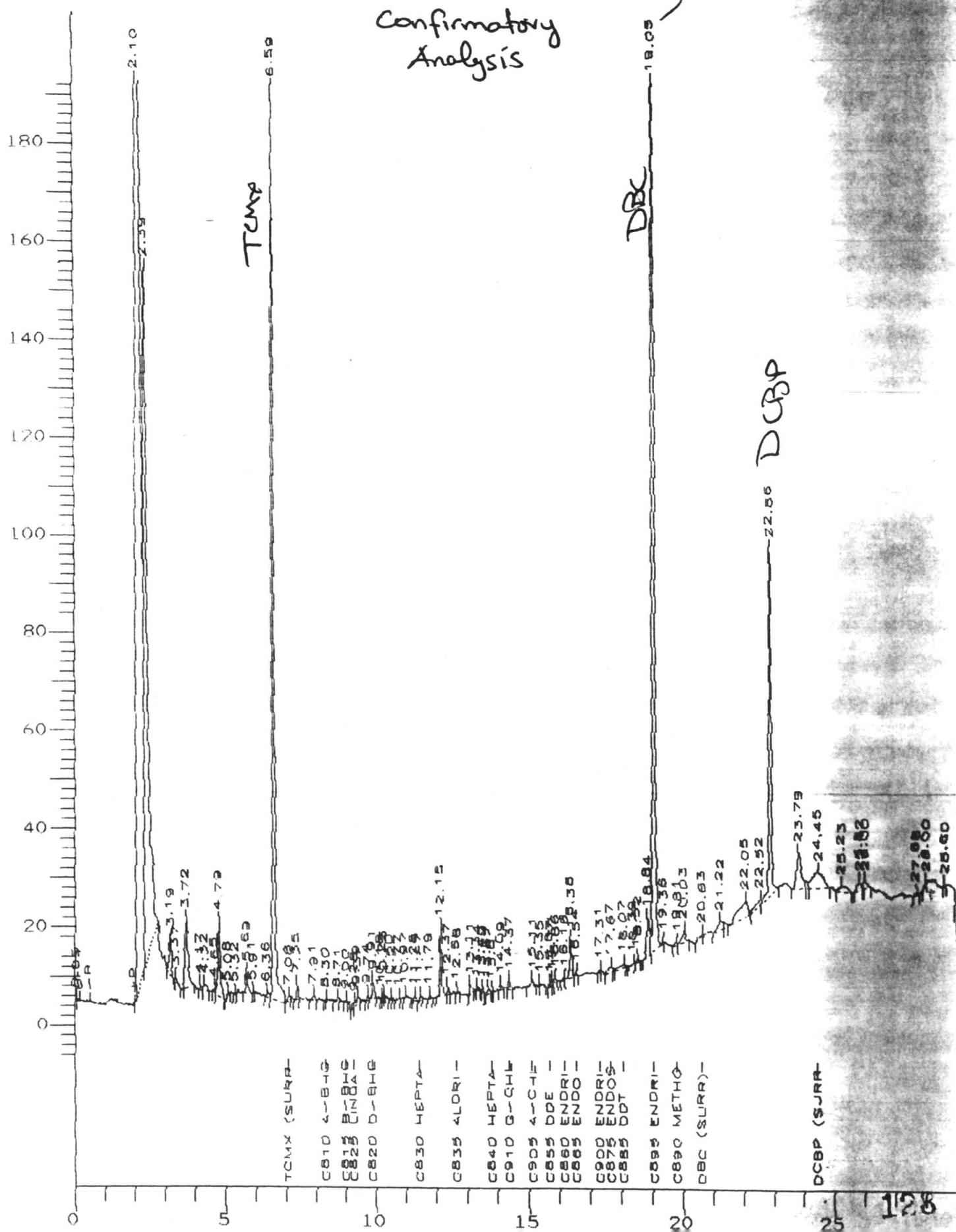
Low Point : -6.86 mV

Plot Scale: 200 mV

Page 1 of 1

High Point : 193.14

Confirmatory
Analysis



DATE: 4/17/14

GC #: Varian 3400

CHRONICLE

ANALYST: DWD

COLUMN: 52B-608

ANALYTES: R

SPV.: 501

TEMP PROG: 150(2)-275(6) 2-6.0

BATCH: 6P 56

MATRIX: SOIL/WATER OTHER

FOR PEST/PCB: SURR1=DBC SURR2=TCMX FOR OTHER: SURR1=TCMX SURR2=DBC

NAME	RUN #	RAK #	UL INJ	DATE	TIME	SURR1 RT %D	SURR2 RT %D	COMMENTS
1415-006X10	23	23	1.00	4/8	8:59 AM	D	D	-
009X50	24	24			9:42	6.94	0.14	20.53 0
010X100	25	25			10:26	D	-	D -
001X10	26	26			11:09	6.95	0.28	20.56 0.15
002X10	27	27			11:52	6.94	0.14	20.55 0.05
003X10	28	28			12:35 PM	6.93	0	20.53 0
004X10	29	29			1:18	6.94	0.14	20.54 0.05
005X10	30	30			2:01	6.94	0.14	20.54 0.05
006X10	31	31			2:44	6.94	0.14	20.54 0.05
007X10	32	32			3:27	6.95	0.28	20.55 0.05
008X10	33	33			4:10	6.94	0.14	20.54 0.05
009X10	34	34			4:53	6.94	0.14	20.54 0.05
010X10	35	35			5:37	6.93	0	20.53 0
ISA 15	36	36			6:29	6.92	0.14	20.53 0
ISB 15	37	37			7:12	6.93	0	20.53 0
Chloroform D0	38	38			7:46	6.92	0.14	20.52 0.05
1415-001M5X10	39	39			8:29	6.93	0	20.53 0
001M5D10	40	40			9:12	6.93	0	20.51 0.05

129
Main Spike
Chloroform D0



princeton testing
laboratory inc.

GC DEPARTMENT INSTRUMENT LOG

DATE: 4/7/94

GC #: Varian 3400

CHRONICLE #

ANALYST: Dan D

COLUMN: SPB-60x

ANALYTES: Pest

SPV.: 800

TEMP PROG: 150(2)-275(6) @ 6°/min

BATCH: GP56

MATRIX: SOIL ☒ WATER ☐ OTHER

FOR PEST/PCB: SURR1=DBC SURR2=TCMX FOR OTHER: SURR1= SURR2=

NAME	RUN #	RAK #	ul INJ	DATE	TIME	SURR1 RT	%D	SURR2 RT	%D	COMMENTS
Evaluation std	1	1	1ul	4/7	5:12 PM	6.97		20.56		
Chlordane 40ppb	2	2			5:55	6.94		20.55		
100ppb	3	3			6:38	6.93		20.54		
150ppb	4	4			7:21	6.94		20.54		
200ppb	5	5			8:04	6.93		20.53		
250ppb	6	6			8:47	6.93		20.54		
500ppb	7	7			9:30	6.94		20.54		
ISA 5 ppb	8	8			10:13	6.93		20.54		Pest Mix A
10	9	9			10:56	6.93		20.53		
15	10	10			11:39	6.92		20.52		
20	11	11		4/8	12:21 AM	6.94		20.54		
25	12	12			1:05	6.93		20.54		
ISB 5 ppb	13	13			1:48	6.93		20.54		Pest Mix B
10	14	14			2:31	6.93		20.54		
15	15	15			3:14	6.93		20.54		
20	16	16			3:58	6.93		20.53		
25	17	17			4:41	6.93	-	20.53	-	use to last std. calibration
1415-Blank	18	18			5:24	6.93	0	20.53	0	
1415-0/1	19	19			6:07	6.93	0	20.53	0	Trip Blank
1415-001 X100	20	20			6:50	D	-	20.57	0.19	
004 X100	21	21			7:33	D	-	D	-	
005 X50	22	22			8:16	6.94	0.14	20.53	0	130

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #1 PILE
PTL NUMBER: 9401415-001X100

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.88	14.80-14.90
DDT	18.74	18.65-18.77
DDD	17.83	17.74-17.84
DDE	16.16	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #4 UST 192486-24
PTL NUMBER: 9401415-004X100

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.86	14.80-14.90
DDT	18.72	18.65-18.77
DDD	17.81	17.74-17.84
DDE	16.14	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #5 UST 192486-24
PTL NUMBER: 9401415-005X50

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.71	18.65-18.77
DDD	17.8	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #6 UST 192486-24
PTL NUMBER: 9401415-006X100

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.72	18.65-18.77
DDD	17.74	17.74-17.84
DDE	16.14	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #12 UST 192486-32
PTL NUMBER: 9401415-009X50

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE		14.80-14.90
DDT	18.71	18.65-18.77
DDD	17.8	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #15 DUPLICATE
PTL NUMBER: 9401415-0010X100

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.84	14.80-14.90
DDT	18.7	18.65-18.77
DDD	17.79	17.74-17.84
DDE		16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #1 PILE
PTL NUMBER: 9401415-001X10

ANALYTE	RT OF COMPOUND	RT WINDOW
FLUORIDANE	14.87	14.80-14.90
BT	18.73	18.65-18.77
DB	17.81	17.74-17.84
CB	16.15	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #2 PILE
PTL NUMBER: 9401415-002X10

ANALYTE	RT OF COMPOUND	RT WINDOW
FLUORIDANE	14.86	14.80-14.90
BT	18.72	18.65-18.77
DB	17.81	17.74-17.84
CB	16.14	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #3 UST 192486-24
PTL NUMBER: 9401415-003X10

ANALYTE	RT OF COMPOUND	RT WINDOW
FLUORIDANE	14.84	14.80-14.90
BT	18.7	18.65-18.77
DB		17.74-17.84
CB	16.12	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #4 UST 192486-24
PTL NUMBER: 9401415-004X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.69	18.65-18.77
DDD	17.81	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #5 UST 192486-24
PTL NUMBER: 9401415-005X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.71	18.65-18.77
DDD	17.8	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #6 UST 192486-24
PTL NUMBER: 9401415-006X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.68	18.65-18.77
DDD	17.74	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #8 UST 192486-33
PTL NUMBER: 9401415-007X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.86	14.80-14.90
DDT	18.72	18.65-18.77
DDD	17.81	17.74-17.84
DDE	16.14	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #9 UST 192486-33
PTL NUMBER: 9401415-008X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.85	14.80-14.90
DDT	18.72	18.65-18.77
DDD	17.81	17.74-17.84
DDE	16.14	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #12 UST 192486-32
PTL NUMBER: 9401415-009X10

ANALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE		14.80-14.90
DDT	18.71	18.65-18.77
DDD	17.8	17.74-17.84
DDE	16.13	16.07-16.17

LABORATORY NAME: PRINCETON TESTING LABS
INSTRUMENT NAME: VARIAN 3400
COLUMN: SPB-608

PTL JOB NUMBER: 9401415
CLIENT SAMPLE NUMBER: #15 DUPLICATE
PTL NUMBER: 9401415-0010X10

NALYTE	RT OF COMPOUND	RT WINDOW
CHLORDANE	14.83	14.80-14.90
DT	18.69	18.65-18.77
DD	17.8	17.74-17.84
DE		16.07-16.17

PESTICIDE EVALUATION STANDARDS SUMMARY

LAB NAME: PRINCETON TESTING LABORATORY, INC.
 LAB CODE: PRINCE
 CASE NUMBER: 9401415

INSTRUMENT ID: VARIAN 3400 GC COLUMN ID: SPB-608

DATES OF ANALYSIS: 04/07/94 TO 04/07/94

NUMBER	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COM
	04/07/94	05:12PM	17%	13%	30%

Software Version: 3.1 <2A23>

Sample Name : evaluation std

Sample Number: 1

Operator :

Time : 4/7/94 05:41 PM

Study : pest/pcb

Instrument : VARIAN 3400 FCD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/7/94 05:12 PM

Run Time : 0 00 min

Sample Time : 29 00 min

Sampling Rate : 1 0000 pts/sec

Raw Data File : d:\3400\3408001.raw

Unit File : d:\3400\3408001.rst

Instrument File : d:\2700\methdan\qtmpesa.ins

Process File : d:\2700\methdan\qtmpesa.pro

Sample File : d:\2700\methdan\qtmpesa.smp

Sequence File : d:\3400\3408001.seq

Volume : 1.000

Area Reject : 100.00

Sample Amount : 1.0000

Dilution Factor : 1.00

Area Threshold : 500

Area Threshold : 500

Punch Factor: 1

Multiplier : 1.0000

Divisor : 1.0000

Header : 0.0000

Run Conditions:

Total Number of Peaks Detected: 40

PESTICIDE/PCB REPORT

Component Name	Time [min]	Area [uV*sec]	Height [uV]	CALIBRATION FACTOR	Adjusted Amount	Raw Amount	CONCENTRATION (PPB)
	4.222	959518.00	156843.41	959518	0.0	1.0	1.0
	4.928	2075.50	2364.30	12076	0.0	0.0	0.0
	5.213	17188.00	3066.31	17188	0.0	0.0	0.0
810 A-RHC	6.967	910823.50	238303.03	910824	1.6	1.6	1.6
	8.178	14689.00	3499.48	14689	0.0	0.0	0.0
	9.798	35721.02	5973.66	35721	0.0	0.0	0.0
830 HEPTACHLOR	10.346	13130.00	3749.70	13130	0.0	0.0	0.0
	10.654	9098.00	2695.25	9098	0.0	0.0	0.0
835 ALDRIN	11.414	20153.34	5494.17	20153	0.5	0.5	0.5
	11.527	26432.67	6486.24	26433	0.0	0.0	0.0
	11.763	56199.00	15142.84	56199	0.0	0.1	0.1
	11.895	11078.00	2228.95	11078	0.0	0.0	0.0
	12.352	8528.00	2161.18	8528	0.0	0.0	0.0
840 HEPTACHLOR EPOX	12.565	7732.00	1997.91	7732	0.9	0.9	0.9
	12.706	3295.01	1068.02	3295	0.0	0.0	0.0
8910 G-CHLORDANE	13.479	15136.05	3449.03	15136	1.5	1.5	1.5
845 ENDO 1	13.866	18045.00	2684.67	18045	1.6	1.6	1.6
	14.285	64685.98	16952.23	64686	0.0	0.1	0.1
850 DIELDRIN	14.579	8943.61	2188.64	8944	1.8	1.8	1.8
855 DDE	14.871	86875.56	17935.68	86876	1.6	1.6	1.6
860 ENDRIIN	15.363	131297.50	32544.95	131298	2.5	2.5	2.5
870 DDD	16.153	104271.16	26546.27	104271	1.4	1.4	1.4
8900 ENDRIIN ALDEHYDE	16.286	83431.84	21628.71	83432	1.6	1.6	1.6
885 DDT	17.307	2343983.50	639852.00	2343984	8.3	8.3	8.3
	17.822	249899.00	62467.98	249899	0.0	0.3	0.3
	17.880	179725.50	52941.04	179726	0.0	0.2	0.2

0890 METHOXYCHLOR	19.293	184904.31	47215.34	184904	0.7	0.7	0.7
	19.410	22212.00	6999.58	22212	0.0	0.0	0.0
	19.780	96059.81	6592.59	96060	0.0	0.1	0.1
	19.982	25412.34	4358.84	25412	0.0	0.0	0.0
DBC (SRR)	20.557	830839.00	207188.61	830839	1.1	1.1	1.1
	21.179	253184.31	64704.81	253184	0.0	0.3	0.3
	21.329	398489.66	102620.71	398490	0.0	0.4	0.4
	21.565	7694.00	1937.41	7694	0.0	0.0	0.0
	21.918	73629.75	7953.37	73630	0.0	0.1	0.1
	22.811	56900.50	3873.40	56901	0.0	0.1	0.1
	24.986	417087.00	29847.82	417087	0.0	0.4	0.4
BCBP (SRR)	25.446	711896.50	128548.52	711897	5.0	5.0	5.0

10847236.00 2.5486 10847236 37.5 40.5 40.5

=====

100 CAPILLARY COLUMN GC SPR-608 30M x 0.53mm ID

DETECTOR=300C INJECTOR=250C

=====

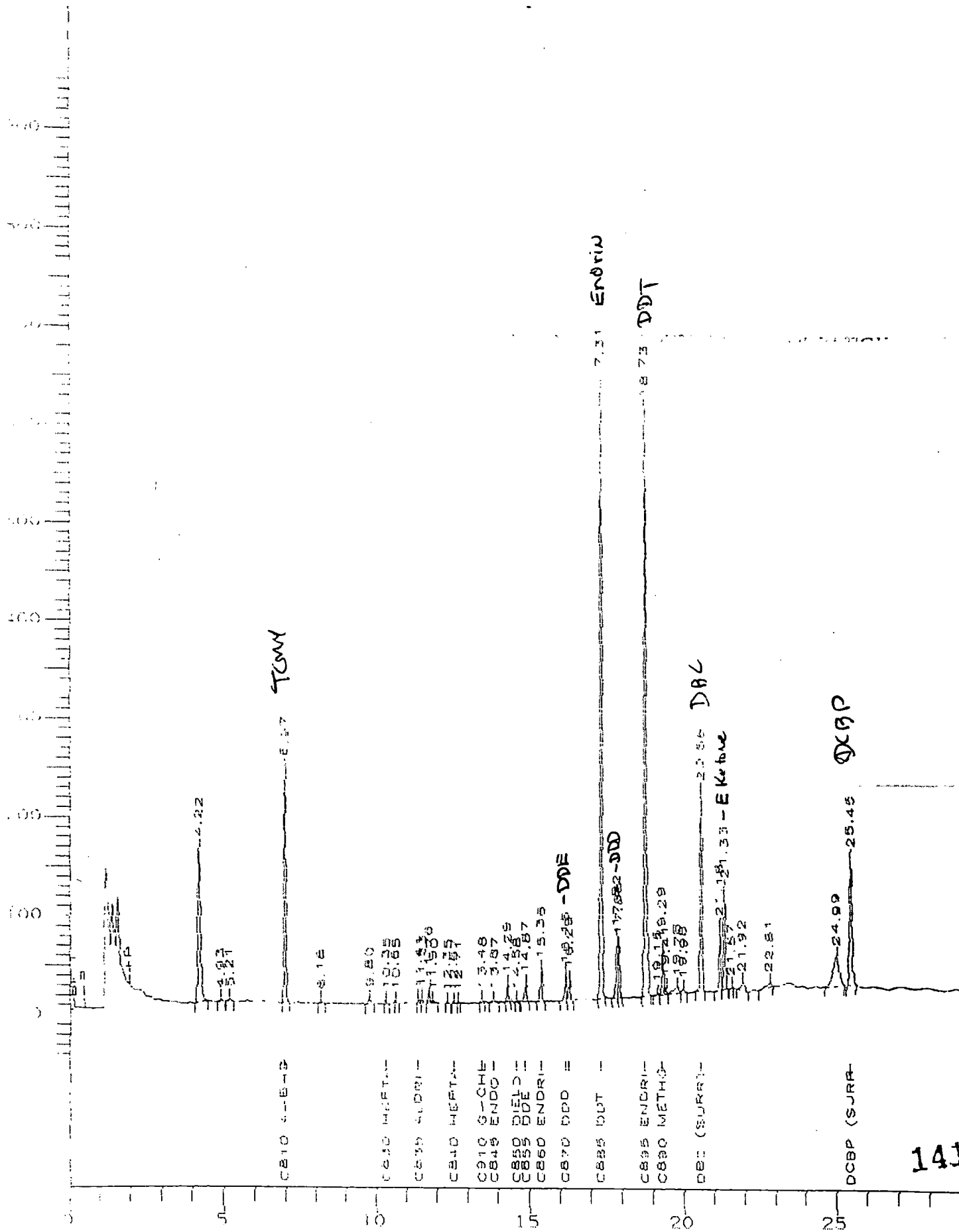
Sample Name : evaluation std
FileName : d:\3400\408001.raw
Start Time : 0.00 min
Scale Factor : -1

End Time : 29.00 min
Plot Offset : -45 mV

Sample #: 1
Date : 4/7/94 05:41 PM
Low Point : -44.78 mV
Plot Scale: 1000 mV

Page 1 of 1

High Point : 955.22



GAS CHROMATOGRAPHY INITIAL CALIBRATION DATA

(EXTERNAL STANDARD CALIBRATION)

LABORATORY NAME: Hinceton lestray

CONTRACT No: _____

INSTRUMENT ID: Varian 3400

CASE NUMBER: _____

CALIBRATION DATE(S)/TIME(S): 4/7/94 5:55PM - 9:30PM

MAXIMUM % RSD: _____

CALIBRATION PERFORMED BY: DAN O'CONNOR

[illegible]

C FAC. = CALIBRATION FACTOR

Laboratory must identify for each analyte what data file was utilized to generate the calibration factor.

A typed page listing the fias and analytes is required and must follow this page.

INITIAL CALIBRATION FILE REFERENCE

LABORATORY NAME: PRINCETON TESTING LABORATORY

INSTRUMENT ID: VARIAN 3400
COLUMN ID: 37 SPB-608

CONTRACT NUMBER:
CASE NUMBER:
CALIBRATION BY:

DESIGNATION	RUN DATE	TIME	FILE NAME
LEVEL 1	417-94 ↓	5:55 PM	d:\3400\2408002
LEVEL 2		7:21 PM	d:\3400\2408003
LEVEL 3		8:04 PM	d:\3400\2408004
LEVEL 4		8:47 PM	d:\3400\2408005
LEVEL 5		9:30 PM	d:\3400\2408006

Page of

CASE NUMBER:

GC COLUMN: STPB-608

GC INSTRUMENT ID: Varian 3400

ANALYSIS DATE: 4/8/94

ANALYSIS TIME: 7:46 PM

LABORATORY ID: Chlordane / 50ppb

CONC: 150 ppb

CONTINUING CALIBRATION

**** CONF=CONFIRMATION (<20.0% DIFF) QUANT= QUANTITATION (<15% DIFF)**
ANSWER YES/NO FOR CONF OR QUANT COLUMN

PESTICIDE/PCB CONTINUING GC CALIBRATION DATA

(EXTERNAL STANDARD CALIBRATION)

Page 1 of 2

LABORATORY NAME: Princeton Testing

CASE NUMBER: _____

CONTRACT No: 9401415

GC COLUMN: SPB-608

CAL PERFORMED BY: Dan O'Con

GC INSTRUMENT ID: Varian 3400

ANALYSIS DATE: 4/8/94

ANALYSIS DATE: 4/8/94

ANALYSIS TIME: 1:48 - 4:41 AM

ANALYSIS TIME: 7:03 PM

LABORATORY ID: ISB Curve

LABORATORY ID: ISB 15

CONC: Varied

CONC: Varied

INITIAL CALIBRATION

CONTINUING CALIBRATION

COMPOUND	RT WINDOW	RT	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	% DIFF (**)	CONF or QUANT
Aldrin	12.46-12.54		80719	12.50	76533	7.5	Q
Alpha-BHC	9.04-9.10		76829	9.08	73267	4.6	Q
Beta-BHC	10.59-10.65		30375	10.62	29200	3.9	Q
Delta-BHC	11.69-11.77		87045	11.73	86000	1.2	Q
Gamma-BHC							
Alpha-Chlordane	15.27-15.37		57449	15.32	50600	7.1	Q
Gamma-Chlordane	14.80-14.88		67823	14.84	64000	5.6	Q
Tech. Chlordane							
Endosulfan Sulfate	19.20-19.32		156448	19.27	154800	1.1	Q
Dieldrin							
Endosulfan I							
Endosulfan II							
Endrin	17.22-17.32		134819	17.28	144467	-7.2	Q
Endrin Aldehyde							
Endrin Ketone	21.23-21.35		198053	21.30	195067	1.5	Q
Heptachlor							
Heptachlor Epoxide							
Methoxychlor							
4,4'-DDD	17.74-17.84		160411	17.80	162667	-1.4	Q
4,4'-DDE	16.07-16.17		69623	16.13	68667	1.4	Q
4,4'-DDT							

** CONF=CONFIRMATION _____ % DIFF QUANT= QUANTITATION _____ % DIFF

ANSWER YES/NO FOR CONF OR QUANT COLUMN

(EXTERNAL STANDARD CALIBRATION)

CONTRACT No: _____

CASE NUMBER: _____

MAXIMUM % RSD: _____

[illegible]

Laboratory must identify for each analyte what data file was utilized to generate the calibration factor. A typed page listing the files and analytes is required and must follow this page.

INITIAL CALIBRATION FILE REFERENCE

LABORATORY NAME: PRINCETON TESTING LABORATORY

INSTRUMENT ID: VARIAN 3400
COLUMN ID: SPB408

CONTRACT NUMBER:
CASE NUMBER:
CALIBRATION BY: JAWOC

DESIGNATION	RUN DATE	TIME	FILE NAME
LEVEL 1	4/8/94	1:48 AM	D:\3400\A408 013
LEVEL 2	↓	2:31 AM	014
LEVEL 3		3:14 AM	015
LEVEL 4		3:58 AM	016
LEVEL 5		4:41 AM	017

PESTICIDE/PCB CONTINUING GC CALIBRATION DATA

(EXTERNAL STANDARD CALIBRATION)

Page 1 of 2

LABORATORY NAME: Princeton Testing Lab CASE NUMBER: 940 1415
 CONTRACT No: _____ GC COLUMN: SPB-608
 CAL PERFORMED BY: Don O'Connor GC INSTRUMENT ID: Varian 3400
 ANALYSIS DATE: 4/17/94-4/18/94 ANALYSIS DATE: 4/18/94
 ANALYSIS TIME: 10:13 PM-10:54 AM ANALYSIS TIME: 6:20 PM
 LABORATORY ID: ISA ~~15~~ Curve LABORATORY ID: ISA 15
 CONC: VARIED CONC: Varied

		INITIAL CALIBRATION		CONTINUING CALIBRATION			CONF or QUANT
COMPOUND	RT WINDOW	RT	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	% DIFF (**)	
Aldrin							
Alpha-BHC							
Beta-BHC							
Delta-BHC							
Gamma-BHC	10.29-10.35	10.32	71191	10.32	65800	7.6	Q
Alpha-Chlordane							
Gamma-Chlordane							
Tech. Chlordane							
Endosulfan Sulfate							
Dieldrin	16.22-16.32	16.27	71897	16.27	66733	7.2	Q
Endosulfan I	16.28-16.38	16.33	72512	16.35	67400	7.0	Q
Endosulfan II	17.81-17.91	17.86	188137	17.86	188400	-0.1	Q
Endrin							
Endrin Aldehyde	18.73-18.85	18.79	158621	18.79	166667	-5.1	Q
Endrin Ketone							
Heptachlor	11.47-11.53	11.50	78271	11.50	79867	-2.10	Q
Heptachlor Epoxide	14.22-14.30	14.26	73515	14.26	69467	5.5	Q
Methoxychlor	21.10-21.22	21.16	168736	21.16	190267	-12.8	Q
4,4'-DDD							
4,4'-DDE							
4,4'-DDT	18.65-18.77	18.71	152811	18.71	155400	-1.7	Q

** CONF=CONFIRMATION _____ % DIFF QUANT=QUANTITATION _____ % DIFF

ANSWER YES/NO FOR CONF OR QUANT COLUMN

NJDEPE FORM P-9C (1/93)

(EXTERNAL STANDARD CALIBRATION)

CONTRACT No: _____

CASE NUMBER: _____

MAXIMUM % RSD: _____

CALIBRATION PERFORMED BY: DAN O'CONNOR

[illegible]

C FAC. = CALIBRATION FACTOR

Laboratory must identify for each analyte what data file was utilized to generate the calibration factor.

A typed page listing the fias and analytes is required and must follow this page.

INITIAL CALIBRATION FILE REFERENCE

LABORATORY NAME: PRINCETON TESTING LABORATORY

INSTRUMENT ID: VARIAN 3400

COLUMN ID: 608-SPB

CONTRACT NUMBER:

CASE NUMBER:

CALIBRATION BY: DAN O'Connell

DESIGNATION	RUN DATE	TIME	FILE NAME
LEVEL 1	4/7/94	10:13 PM	d:\3400\1a 408 010
LEVEL 2	4/7/94	10:56 PM	d:\3400\1a 408 009
LEVEL 3	4/7/94	11:39 PM	d:\3400\1a 408 010
LEVEL 4	4/8/94	12:22 AM	d:\3400\1a 408 011
LEVEL 5	4/8/94	1:05 AM	d:\3400\1a 408 012

INITIAL & CONTINUING GC CALIBRATION DATA
(EXTERNAL STANDARD CALIBRATION)

Page 1 of 1

LABORATORY NAME: Princeton Tetry
CONTRACT No: 9401415
CAL PERFORMED BY: Den D
ANALYSIS DATE: 4/5/94
ANALYSIS TIME: 1:47 / 2:20 AM
LABORATORY ID: _____
CONC: Varied

CASE NUMBER: _____
GC COLUMN: SPB-5
GC INSTRUMENT ID: Varian 3400
ANALYSIS DATE: 4/5/94
ANALYSIS TIME: 7:52 / 8:25 AM
LABORATORY ID: _____
CONC: Varied

INITIAL CALIBRATION

CONTINUING CALIBRATION

COMPOUND	RT WINDOW	INITIAL CALIBRATION			CONTINUING CALIBRATION			% DIFF (%)
		RT	CALIBRATION FACTOR	CONF or QUANT	RT	CALIBRATION FACTOR	CONF or QUANT	
Lindane	8.31-8.37	8.34	73100	C	8.31	73700	C	-0.8
Heptachlor	10.26-10.32	10.29	82700	C	10.27	85300	C	-3.1
Aldrin	11.22-11.28	11.25	79500	C	11.23	80000	C	-0.6
Heptachlor Epox	12.32-12.40	12.36	71900	C	12.37	74500	C	-3.6
Endo I	13.34-13.42	13.38	68300	C	13.36	69400	C	-1.6
Dieldrin	14.05-14.16	14.12	69300	C	14.10	70000	C	-1.0
Endo II	14.54-14.62	14.58	167500	C	14.55	167300	C	0.1
Endrin Alderlate	15.46-15.57	15.51	154400	C	15.49	147300	C	4.6%
DDT	16.34-16.41	16.36	143800	C	16.35	150200	C	-4.5
Methoxychlor	17.97-18.04	18.04	173600	C	18.02	175700	C	-1.2
Alpha BHC	7.2-7.8	7.5	78300	C	7.76	81200	C	-3.7
Beta BHC	8.11-8.17	8.14	31000	C	8.41	33400	C	-7.7
Delta BHC	8.84-8.94	8.91	84500	C	9.18	87200	C	-3.1
Gamma Chls	13.00-13.08	13.04	67900	C	13.33	67800	C	0.1
Alphachlor	13.44-13.52	13.48	51900	C	13.77	53100	C	-2.3
DDE	14.08-14.16	14.12	72200	C	14.41	74900	C	-3.7
Endrin	14.69-14.77	14.73	164200	C	15.03	144300	C	12.1
DDD	15.25-15.35	15.30	141200	C	15.59	148000	C	-4.8
Endosulfan Sulfate	16.16-16.26	16.21	131700	C	16.51	144300	C	-9.6
Endrin ketone	17.44-17.55	17.49	149900	C	17.80	171000	C	-14.0

** CONF=CONFIRMATION (<20.0% DIFF) QUANT= QUANTITATION (<15% DIFF)
ANSWER YES/NO FOR CONF OR QUANT COLUMN
NJDEPE FORM G-11 (9/91)

HERBICIDES

Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-001

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted) 12

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 3/23/94

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 100

SAMPLE WT/VOL:

[illegible]

Vs _____ or Wg 53.6 Vf 5000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-001x100

Sample Number: 11

Generator : 1425.1

Time : 4/11/94 12:12 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Link/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/10/94 11:43 PM

Delay Time : 0.00 min

Run Time : 29.00 min

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\3411011.raw

Result File : d:\3400\3411011.rst

Instrument File : d:\2700\merndan\herba.ins

Process File : d:\2700\merndan\herba.pro

Sample File : d:\2700\merndan\herba.smp

Sequence File : d:\3400\3411011\HERB.seq

Volume : 1.00

Area Reject : 0.00

Area Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm [%]	Area RI	Area/Height [sec]
0.179	12544.00	819.77	0.26	0.26	RR	20.2397
1.438	60191.59	24377.70	1.25	1.25	RV	2.5747
1.557	386432.88	138137.09	8.00	8.00	VB	2.7975
1.768	2567.00	1362.73	0.05	0.05	BR	1.5439
1.924	928930.69	159976.66	19.23	19.23	BE	5.8067
2.082	87257.00	19580.24	1.81	1.81	FV	4.4564
2.421	52536.44	3710.06	1.09	1.09	VV	14.1605
2.620	151859.94	15610.55	3.14	3.14	VE	9.7280
2.961	4242.00	815.36	0.09	0.09	FR	5.2026
3.302	1323.00	227.75	0.03	0.03	RR	5.8090
3.517	4441.00	940.46	0.09	0.09	BB	4.7222
3.729	30420.00	5898.41	0.63	0.63	RV	5.1573
4.056	2492.66	428.89	0.05	0.05	VV	5.8119
4.227	2284.33	454.52	0.05	0.05	VB	5.0258
4.372	1248.00	438.17	0.03	0.03	RR	2.8482
4.692	114644.54	21365.57	2.37	2.37	BV	5.3659
4.871	38651.31	7518.06	0.80	0.80	VE	5.1411
5.151	4876.00	677.27	0.10	0.10	EV	7.1995
5.327	1664.15	345.03	0.03	0.03	VB	4.8232
5.648	363.00	81.29	0.01	0.01	RR	4.4657
5.781	188.00	84.94	0.00	0.00	RR	2.2133
6.007	5366.59	1031.69	0.11	0.11	BV	5.2017
6.160	41657.12	6541.14	0.86	0.86	VV	6.3685
6.385	16905.88	3441.03	0.35	0.35	VE	4.9130
6.555	2406.00	615.17	0.05	0.05	FV	3.9111
6.734	5026.37	1036.10	0.10	0.10	VV	4.8512
6.925	1368.04	309.09	0.03	0.03	VB	4.4260
7.207	1033.00	208.81	0.02	0.02	RR	4.9471
7.348	9152.57	2151.33	0.19	0.19	BV	4.2544
7.566	27275.01	2967.81	0.57	0.57	VV	9.1903
7.782	7825.90	1175.64	0.16	0.16	VV	6.6567

04	8.551	6250.41	1517.60	0.17	0.17 BV	5.4418
05	8.577	52013.23	6488.01	1.08	1.08 VV	8.0168
06	8.866	22724.35	2442.92	0.47	0.47 VR	9.3021
07	9.224	24913.50	3943.65	0.52	0.52 BE	6.3174
08	9.521	1479.00	409.76	0.03	0.03 EV	3.6094
09	9.603	1627.00	428.52	0.03	0.03 VR	3.7968
10	9.897	5577.71	1244.76	0.12	0.12 BV	4.4809
11	10.050	79045.29	15412.55	1.64	1.64 VE	5.1286
12	10.296	5447.00	1358.85	0.11	0.11 FR	4.0086
13	10.394	52597.08	11959.94	1.09	1.09 BV	4.3978
14	10.608	45631.16	8380.31	0.95	0.95 VE	5.4451
15	10.771	2607.00	791.22	0.05	0.05 EV	3.2949
16	10.889	10736.00	1281.69	0.22	0.22 VV	8.3764
17	11.019	3951.05	927.51	0.08	0.08 VV	4.2598
18	11.138	30647.78	5554.31	0.63	0.63 VV	5.5178
19	11.490	55741.41	9552.06	1.15	1.15 VE	5.8355
20	11.730	1961.00	518.18	0.04	0.04 EV	3.7844
21	11.820	6594.00	948.54	0.14	0.14 VV	6.9518
22	12.076	13165.71	2696.28	0.27	0.27 VV	4.8829
23	12.142	60951.26	11417.24	1.26	1.26 VV	5.3385
24	12.153	21468.11	4387.19	0.44	0.44 VV	4.8934
25	12.591	23962.70	5305.50	0.50	0.50 VV	4.5162
26	12.757	49012.48	8920.76	1.02	1.02 VV	5.4942
27	12.952	11518.73	5095.71	0.24	0.24 VV	5.4964
28	13.043	4764.60	1533.51	0.10	0.10 VV	3.5607
29	13.147	9902.82	1830.97	0.21	0.21 VV	5.4087
30	13.401	9402.61	3378.79	0.20	0.20 VR	10.6995
31	13.697	26324.00	4587.42	0.55	0.55 RR	5.7377
32	13.735	41809.91	7628.75	0.87	0.87 BV	5.4806
33	13.997	11188.82	2261.72	0.23	0.23 VV	4.9479
34	14.420	4266.91	922.61	0.09	0.09 VV	4.6248
35	14.581	13618.91	1816.47	0.28	0.28 VV	7.4974
36	14.792	2668.09	673.98	0.06	0.06 VV	3.9587
37	14.906	1448.27	347.60	0.03	0.03 VV	4.1665
38	15.023	4011.09	1000.21	0.08	0.08 VV	4.0103
39	15.165	7558.00	1145.91	0.16	0.16 VR	6.5957
40	15.301	442.54	150.28	0.01	0.01 BV	2.9447
41	15.418	5606.77	998.01	0.12	0.12 VV	5.6179
42	15.587	13419.76	1842.51	0.28	0.28 VV	7.2834
43	15.792	3634.54	761.05	0.08	0.08 VV	4.7757
44	15.881	10777.91	2270.18	0.22	0.22 VR	4.7476
45	16.101	24427.00	3400.78	0.51	0.51 BV	7.1828
46	16.286	30501.78	3201.96	0.63	0.63 VV	9.5260
47	16.574	186451.00	18434.66	3.86	3.86 VV	10.1142
48	16.795	346389.34	58142.94	7.17	7.17 VE	5.9576
49	17.033	19861.00	4430.18	0.41	0.41 EV	4.4831
50	17.134	69564.00	10756.85	1.44	1.44 VV	6.4670
51	17.285	17418.89	3897.53	0.36	0.36 VV	4.4692
52	17.371	25020.11	3571.13	0.52	0.52 VV	7.0062
53	17.619	4944.33	1139.40	0.10	0.10 VV	4.3394
54	17.680	4418.33	1082.55	0.09	0.09 VV	4.0814
55	17.957	134573.22	18094.52	2.79	2.79 VV	7.4372
56	18.157	35973.00	6643.43	0.75	0.75 VR	5.4148
57	18.625	13656.61	1637.29	0.28	0.28 BV	8.3410
58	18.774	65001.27	8496.18	1.35	1.35 VV	7.6507
59	19.056	11211.62	2924.81	0.23	0.23 VR	3.8333
60	19.157	424.82	176.89	0.01	0.01 BV	2.4016
61	19.236	5095.69	1551.78	0.11	0.11 VR	3.2838
62	19.513	2706.02	395.26	0.06	0.06 RR	6.8463
63	19.618	1937.04	476.09	0.04	0.04 RR	4.0686
64	19.751	2369.00	740.54	0.05	0.05 RR	3.1990
65	19.936	8402.16	2477.24	0.17	0.17 BV	3.3917
66	20.015	15363.80	4045.05	0.32	0.32 VE	3.7982
67	20.177	3156.00	867.42	0.07	0.07 FR	3.6384

100	20.659	24798.13	5097.85	0.51	0.51 VV	4.8644
1 1	20.772	9736.00	1991.91	0.20	0.20 VV	4.8878
1 2	20.888	29175.87	7619.93	0.60	0.60 VV	3.8289
103	21.070	8947.90	1673.11	0.19	0.19 VV	5.3481
104	21.179	9448.34	1705.94	0.20	0.20 VB	5.5385
5	21.437	44294.00	5694.55	0.92	0.92 BV	7.7783
06	21.628	10789.00	2048.45	0.22	0.22 VV	5.2669
07	21.750	6876.00	2216.02	0.14	0.14 VB	3.1029
8	22.013	36211.83	9959.68	0.75	0.75 BV	3.6358
9	22.132	14799.92	4306.37	0.31	0.31 VV	3.4368
0	22.286	25367.00	4730.07	0.53	0.53 VV	5.3629
	22.442	6915.41	1678.32	0.14	0.14 VV	4.1204
	22.518	5671.84	1309.92	0.12	0.12 VV	4.3299
	22.655	6203.34	1352.94	0.13	0.13 VV	4.5851
4	22.810	21443.50	2259.43	0.44	0.44 VV	9.4907
5	23.039	18913.18	3593.80	0.39	0.39 VB	5.2627
6	23.151	4222.00	976.63	0.09	0.09 RR	4.3230
	23.335	19069.06	2189.20	0.40	0.40 RR	8.7105
	23.550	5482.59	1102.57	0.11	0.11 RV	4.9725
	23.777	4302.41	1273.09	0.09	0.09 VR	3.3663
	24.000	3715.52	961.02	0.08	0.08 RV	3.8667
	24.214	35161.96	7502.55	0.73	0.73 VV	4.6867
	24.436	9585.10	2785.39	0.20	0.20 VV	3.4412
	24.650	16322.41	4620.71	0.34	0.34 VR	3.5324
	24.865	32667.86	5622.35	0.47	0.47 RV	4.0317
	25.080	6182.08	1600.27	0.13	0.13 VR	3.8633
	25.299	46085.67	5805.27	0.95	0.95 RV	7.9383
	25.517	37457.95	3754.41	0.78	0.78 VV	9.9771
	25.731	47159.48	4951.46	0.98	0.98 VV	9.5244
	25.944	103856.17	13954.24	2.15	2.15 VV	7.4426
	26.150	60344.13	4612.43	1.25	1.25 VV	13.0829
	26.357	37096.78	3930.17	0.77	0.77 VV	9.4390
	26.569	8450.33	2061.51	0.18	0.18 VV	4.0991
	26.772	6106.14	1184.12	0.13	0.13 VV	5.1567
1	26.939	11508.24	2082.44	0.24	0.24 VR	5.5263
2	27.100	6052.24	843.94	0.13	0.13 RV	7.1714
3	27.223	14300.18	2240.30	0.30	0.30 VV	6.3832
4	27.309	13978.73	2419.26	0.29	0.29 VV	5.7781
5	27.479	113395.88	16327.65	2.35	2.35 VV	6.9450
6	27.659	61435.77	4941.77	1.27	1.27 VE	12.4319
7	27.992	1714.00	333.73	0.04	0.04 EV	5.1359
8	28.340	30385.22	2750.40	0.63	0.63 VR	11.0476

4830385.00 879184.00 100.00 100.00

Chromatogram

Sample Name : 1415-001x100

FileName : d:\3400\411011.raw

Start Time : 0.00 min

End Time : 29.00 min

Scale Factor: 1

Plot Offset: -8 mV

Sample #: 11

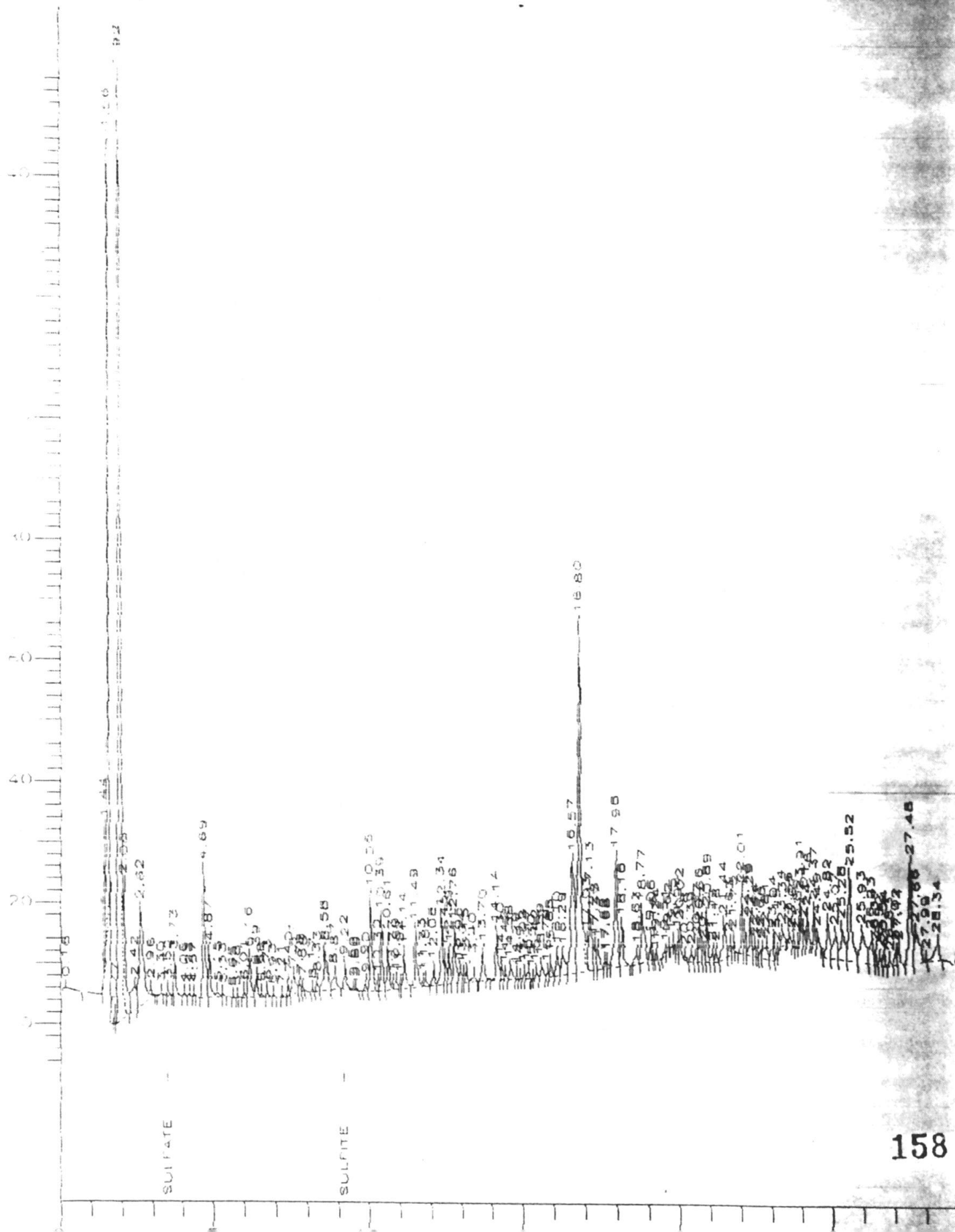
Date : 4/11/94 12:13 AM

Low Point : -7.82 mV

Plot Scale: 164 mV

Page 1 of 1

High Point : 156.36



Software Version: 3.1 <2A23>

Sample Name : 1415-002x100

Sample Number: 12

Generator :

1425.2

Time : 4/11/94 12:55 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Loop/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 12:25 AM

Run Time : 0.00 min

Wait Time : 29.00 min

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\1411012 raw

Result File : d:\3400\1411012 rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.pro

Sample File : d:\2700\methdan\herba.smp

Source File : D:\3400\0411\HERB.scd

Volume : 1 ul

Area Reject : 0.00

Injection Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Area RI	Area/Height [sec]
0.172	8940.00	582.45	0.20	0.20	RR	15.3489
1.436	89760.40	28994.59	1.99	1.99	RV	3.0958
2.553	488895.19	163824.06	10.86	10.86	VV	2.9843
3.632	178956.41	126037.87	3.97	3.97	VR	1.4199
4.768	3952.00	2613.87	0.09	0.09	RR	1.5119
5.921	939825.88	158201.53	20.87	20.87	RF	5.9407
7.082	102251.00	21130.86	2.27	2.27	FV	4.8389
8.289	26816.13	4609.57	0.60	0.60	VV	5.8175
9.452	44707.54	5211.32	0.99	0.99	VV	8.5789
10.617	167911.03	13315.03	3.73	3.73	VV	12.6106
11.963	54674.11	4319.31	1.21	1.21	VV	12.6581
13.174	20976.53	3520.69	0.47	0.47	VV	5.9581
14.295	27512.41	3599.98	0.61	0.61	VV	7.6424
15.383	19082.59	3314.08	0.42	0.42	VV	5.7580
16.521	34784.24	4016.55	0.77	0.77	VV	8.6602
17.660	11987.59	3062.17	0.27	0.27	VV	3.9147
18.736	37762.98	3930.59	0.84	0.84	VV	9.6075
19.054	42105.14	3980.15	0.94	0.94	VV	10.5788
20.228	24734.58	2661.51	0.55	0.55	VV	9.2934
21.384	28973.85	2813.46	0.64	0.64	VV	10.2983
22.697	125327.78	20096.38	2.78	2.78	VV	6.2363
23.875	58016.91	8152.03	1.29	1.29	VV	7.1169
25.154	20808.06	2003.96	0.46	0.46	VV	10.3835
26.329	9368.51	1543.08	0.21	0.21	VV	6.0713
27.532	12982.39	1189.79	0.29	0.29	VV	10.9115
28.648	7091.85	999.37	0.16	0.16	VV	7.0963
29.788	5977.66	1117.21	0.13	0.13	VV	5.3505
30.016	11901.43	1315.89	0.26	0.26	VV	9.0444
31.170	34911.97	5535.84	0.78	0.78	VE	6.3065
32.394	2002.00	443.15	0.04	0.04	EV	4.5177
33.566	5497.97	1020.05	0.12	0.12	VV	5.3899

34	7.229	1034.00	184.90	0.02	0.02	BB	5.5921
5	7.404	12957.03	2922.87	0.29	0.29	BV	4.4330
6	7.571	4726.63	638.13	0.11	0.11	VV	7.4070
37	7.795	4973.53	643.06	0.11	0.11	VV	7.7342
18	7.893	4362.82	897.08	0.10	0.10	VV	4.8634
9	7.992	3497.42	1047.38	0.08	0.08	VV	3.3392
40	8.183	2086.08	377.76	0.05	0.05	VB	5.5222
1	8.379	8982.98	1646.28	0.20	0.20	BV	5.4565
2	8.596	12735.02	1703.02	0.28	0.28	VB	7.4779
3	8.917	2083.00	556.81	0.05	0.05	BB	3.7410
4	9.238	15445.78	1996.92	0.34	0.34	BV	7.7348
5	9.541	10429.49	1601.79	0.23	0.23	VV	6.5111
6	9.893	3002.13	471.96	0.07	0.07	VV	6.3610
7	10.203	11314.07	1593.38	0.25	0.25	VV	7.1007
8	10.577	7976.02	815.51	0.18	0.18	VV	9.7805
9	10.913	5890.47	1309.69	0.13	0.13	VB	4.4976
10	11.222	5451.18	1135.64	0.12	0.12	BV	4.8001
11	11.510	15675.36	1845.11	0.35	0.35	VV	8.4956
12	11.878	5768.36	870.64	0.13	0.13	VV	6.6254
13	12.201	5559.27	808.03	0.12	0.12	VV	6.8800
14	12.555	1845.82	442.51	0.04	0.04	VB	4.1712
15	12.917	1639.02	466.32	0.04	0.04	BB	3.5148
16	13.215	6338.00	1047.48	0.14	0.14	BB	6.0507
17	13.598	1593.50	143.65	0.01	0.01	BB	4.1323
18	13.95	4279.00	1046.57	0.10	0.10	BB	4.0886
19	14.284	3767.85	1563.34	0.20	0.20	BV	5.2696
20	14.60	14913.56	1346.02	0.33	0.33	VV	6.3568
21	14.919	10168.06	1176.83	0.23	0.23	VV	4.6709
22	15.203	11360.99	4617.50	0.47	0.47	VV	4.6261
23	15.571	4820.57	1116.06	0.11	0.11	VV	4.3193
24	15.947	6214.00	1558.99	0.14	0.14	VV	3.9859
25	16.264	1874.00	508.49	0.04	0.04	VB	3.6854
26	16.62	2069.99	590.85	0.05	0.05	BB	3.5034
27	16.935	2423.38	594.09	0.05	0.05	BV	4.0792
28	17.405	2758.63	545.96	0.06	0.06	VB	5.0528
29	17.897	17280.00	2893.45	0.38	0.38	BB	5.9721
30	18.368	574.31	169.76	0.01	0.01	BV	3.3832
31	18.869	1165.70	231.31	0.03	0.03	VB	5.0395
32	19.308	2292.50	493.11	0.05	0.05	BB	4.6490
33	19.438	2487.49	582.03	0.06	0.06	BV	4.2738
34	19.570	4990.09	786.49	0.11	0.11	VV	6.3448
35	19.727	1482.78	470.18	0.03	0.03	VV	3.1537
36	19.811	5840.04	1534.72	0.13	0.13	VV	3.8053
37	19.919	1194.84	310.99	0.03	0.03	VV	3.8421
38	20.035	2357.39	469.04	0.05	0.05	VV	5.0260
39	20.136	4388.35	1069.08	0.10	0.10	VB	4.1048
40	20.440	4518.96	813.33	0.10	0.10	BV	5.5561
41	20.594	3540.42	605.42	0.08	0.08	VV	5.8479
42	20.679	3489.50	1003.61	0.08	0.08	VV	3.4770
43	20.799	900.73	230.42	0.02	0.02	VV	3.9091
44	20.887	7269.88	1429.32	0.16	0.16	VB	5.0863
45	20.140	5387.84	779.94	0.12	0.12	BV	6.9081
46	20.294	21101.23	2499.28	0.47	0.47	VV	8.4429
47	20.593	167664.06	16125.11	3.72	3.72	VV	10.3977
48	20.807	360317.06	53734.70	8.00	8.00	VV	6.7055
49	21.176	22207.89	3905.72	0.49	0.49	VV	5.6860
50	21.352	30870.13	2217.81	0.69	0.69	VV	13.9192
51	21.698	9979.31	1160.64	0.22	0.22	VV	8.5981
52	22.005	86829.48	16270.66	1.93	1.93	VV	5.3366
53	22.172	37538.87	6467.99	0.83	0.83	VV	5.8038
54	22.356	14232.36	2086.54	0.32	0.32	VV	6.8210
55	22.671	28248.89	2808.50	0.63	0.63	VV	10.0584
56	23.792	8936.75	1925.75	0.20	0.20	VV	4.6407
57	24.881	10368.40	2026.77	0.23	0.23	VV	5.1157

100	19.486	17570.77	2185.67	0.39	0.39 VV	8.0391
1	19.607	8327.00	1892.16	0.19	0.19 VV	4.4008
2	19.759	17473.74	1866.64	0.39	0.39 VV	9.3611
03	19.835	8000.75	1844.82	0.18	0.18 VV	4.3369
4	19.948	12011.11	2117.88	0.27	0.27 VV	5.6713
5	20.078	12603.02	1905.38	0.28	0.28 VV	6.6145
6	20.264	3926.05	681.28	0.09	0.09 VV	5.7627
7	20.377	5780.78	991.65	0.13	0.13 VV	5.8294
8	20.574	8403.11	1260.61	0.19	0.19 VV	6.6659
9	20.674	6282.51	1450.11	0.14	0.14 VV	4.3324
0	20.901	34711.37	7075.20	0.77	0.77 VE	4.9061
1	21.069	1927.00	600.05	0.04	0.04 FR	3.2114
2	21.190	5800.49	1154.27	0.13	0.13 RR	5.0253
3	21.429	9209.41	1722.85	0.21	0.21 RV	5.3454
4	21.546	877.59	201.53	0.02	0.02 VR	4.3548
5	21.765	2306.55	591.02	0.05	0.05 BV	3.9027
6	21.864	9312.63	1973.23	0.21	0.21 VV	4.7195
7	22.018	28440.30	3277.77	0.63	0.63 VV	7.3342
8	22.147	4473.23	1160.93	0.10	0.10 VV	3.8531
9	22.333	17254.27	2120.31	0.38	0.38 VV	8.1376
0	22.432	37591.16	7870.89	0.84	0.84 VF	4.7748
1	22.651	5723.00	1185.92	0.13	0.13 FV	4.8258
2	22.819	8561.00	1198.59	0.19	0.19 VV	7.1426
3	22.893	5541.13	1297.76	0.12	0.12 VV	4.2698
4	23.145	3391.72	1467.10	0.16	0.16 VR	5.0302
5	23.149	602.51	1040.46	0.16	0.16 RV	4.7924
6	23.146	32404.05	3669.51	0.72	0.72 VV	8.8306
7	23.477	11581.27	1178.12	0.26	0.26 VV	5.3163
8	23.681	11236.71	1094.23	0.25	0.25 VV	5.5736
9	23.694	13510.96	2042.69	0.30	0.30 VV	6.6143
0	23.962	23038.50	2055.62	0.51	0.51 VV	11.2076
1	24.125	19633.59	3461.52	0.44	0.44 VV	5.6720
2	24.297	52326.84	10232.10	1.16	1.16 VV	5.1140
3	24.398	10978.20	2520.40	0.24	0.24 VV	4.3557
4	24.500	21245.67	2840.80	0.47	0.47 VR	7.4788
5	24.834	42749.64	5359.35	0.95	0.95 BV	7.9767
6	25.106	8900.47	1239.51	0.20	0.20 VV	7.1806
7	25.224	3301.90	620.28	0.07	0.07 VV	5.3232
8	25.370	13705.00	2449.45	0.30	0.30 VR	5.5951
9	25.697	1841.02	414.97	0.04	0.04 RR	4.4365
0	25.970	7988.00	1001.40	0.18	0.18 RR	7.9769
1	26.210	13015.52	1711.56	0.29	0.29 RV	7.6045
2	26.393	4892.98	1102.17	0.11	0.11 VR	4.4394
3	26.665	5533.75	945.42	0.12	0.12 RV	5.8532
4	26.852	3463.50	590.93	0.08	0.08 VV	5.8611
5	27.005	5344.23	864.05	0.12	0.12 VR	6.1851
6	27.484	53776.58	4133.38	0.75	0.75 BV	8.1717
7	27.669	24932.16	3530.81	0.55	0.55 VV	7.0613
8	27.814	34742.89	4207.64	0.77	0.77 VV	8.2571
9	28.005	11781.32	1342.33	0.26	0.26 VV	8.7768
0	28.383	36126.13	2372.97	0.80	0.80 VR	15.2240

4503246.50 887685.19 100.00 100.00

Chromatogram

Sample Name : 1415-002x100

FileName : d:\3400\1411012.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 12

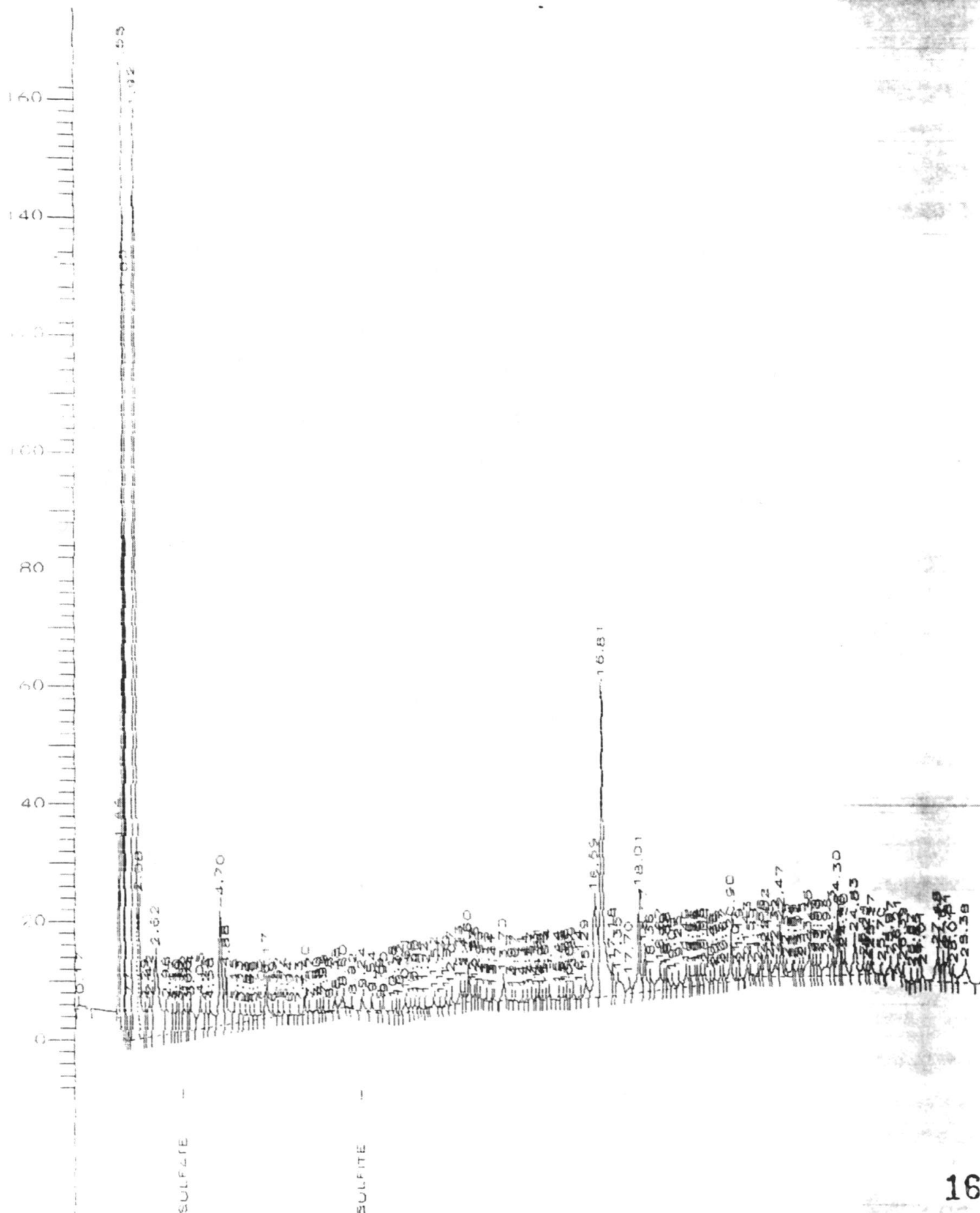
Date : 4/11/94 12:55 AM

Low Point : -8.18 mV

Plot Scale: 172 mV

Page 1 of 1

High Point : 163.56



Sample

DECANTED:

SAMPLE WT/VOL:

Software Version: 3.1 <2A23>

Sample Name : 1415-003x100

Sample Number: 13

Operator :

1425.3

Time : 4/11/94 01:37 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A A/D mV Range : 1000

AutoSampler : NONE

Ok/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 01:07 AM

Run Time : 0.00 min

Wait Time : 09.00 min

Sampling Rate : 1.0000 pts/sec

Data File : d:\3400\1411013.raw

Plot File : d:\3400\1411013.plt

Method File : d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.pro

Sample File : d:\2700\methdan\herba.smp

Report File : d:\3400\1411013.rpt

Volume : 1.00 ml

Area Reject : 0.00

Dilution Factor : 1.00

Dilution Factor : 1.00

DEFAULT REPORT

Time [min]	Area [mV*sec]	Height [mV]	Area [%]	Norm. [%]	Area RI	Area/Height [sec]
0.162	13625.50	836.15	0.46	0.46	RR	21.4188
1.436	63538.87	27580.72	2.13	2.13	RV	2.6945
1.554	666435.16	92799.06	8.92	8.92	VB	2.8711
1.557	1628.00	1208.05	0.05	0.05	RR	1.3476
1.923	939656.56	160169.17	31.45	31.45	RE	5.8667
2.082	44722.00	16187.78	1.50	1.50	FR	2.7627
2.424	5582.82	779.91	0.19	0.19	RV	7.1583
2.515	121714.55	15151.81	4.07	4.07	VE	8.0330
2.563	6248.00	860.41	0.21	0.21	EV	7.2617
2.584	994.64	199.86	0.03	0.03	VR	4.9767
2.603	756.00	225.50	0.03	0.03	RR	3.3525
2.726	4635.00	901.66	0.16	0.16	RR	5.1405
2.752	5807.00	1113.68	0.19	0.19	RR	5.2143
3.077	4327.88	429.97	0.15	0.15	RV	10.0656
3.223	4188.31	570.95	0.14	0.14	VV	7.3357
3.382	1950.80	381.43	0.07	0.07	VR	5.1144
3.695	133373.00	28086.35	4.46	4.46	RR	4.7487
3.996	1226.50	431.95	0.04	0.04	RR	2.8395
5.153	1700.92	294.59	0.06	0.06	RV	5.7738
5.320	1037.59	353.23	0.04	0.04	VR	2.9375
5.524	1470.50	178.37	0.05	0.05	RR	8.2442
5.617	10131.19	1614.51	0.34	0.34	RV	6.2751
5.675	1924.50	502.15	0.06	0.06	VV	3.8326
5.681	837.31	194.18	0.03	0.03	VV	4.3121
5.600	564.00	139.17	0.02	0.02	VR	4.0525
5.666	2358.00	538.94	0.08	0.08	RV	4.3752
5.739	3060.44	592.97	0.10	0.10	VV	5.1612
5.932	1449.72	259.86	0.05	0.05	VV	5.5789
6.114	1059.84	200.02	0.04	0.04	VR	5.2987
7.412	3091.00	642.56	0.10	0.10	RV	4.8105
7.549	5422.00	1251.21	0.18	0.18	VB	4.3334

34	8.586	5352.60	733.29	0.18	0.18 VV	7.2994
5	8.589	25477.45	2776.56	0.85	0.85 VV	9.1759
5	8.920	9451.97	869.46	0.32	0.32 VV	10.8711
37	9.236	12224.04	1729.94	0.41	0.41 VE	7.0662
3	9.518	586.00	117.18	0.02	0.02 EB	5.0007
9	9.910	3860.70	571.58	0.13	0.13 BV	6.7544
10	10.202	5919.63	635.68	0.20	0.20 VV	9.3123
11	10.323	4746.67	1050.20	0.16	0.16 VB	4.5198
2	10.425	5198.06	1148.24	0.17	0.17 BV	4.5270
3	10.613	9695.13	1177.91	0.32	0.32 VV	8.2308
4	10.773	2161.01	325.22	0.07	0.07 VV	6.6448
5	10.901	2897.77	529.40	0.10	0.10 VR	5.4686
6	11.159	10908.37	2212.90	0.37	0.37 BV	4.9295
7	11.508	8253.70	1549.85	0.30	0.30 VV	5.7126
8	11.775	4193.56	911.50	0.14	0.14 VV	4.6017
9	12.079	1511.85	237.47	0.05	0.05 VB	6.3665
10	12.068	5440.01	920.97	0.18	0.18 BV	5.9068
11	12.158	12785.02	1687.41	0.43	0.43 VV	7.5767
12	12.468	17119.08	3264.70	0.57	0.57 VV	5.2437
13	12.601	18555.44	4458.82	0.62	0.62 VV	4.1615
14	12.755	44582.70	7242.68	1.50	1.50 VF	6.1693
15	12.887	3571.00	1070.45	0.29	0.29 FV	5.0071
16	13.157	14626.55	2532.42	0.49	0.49 VV	6.2710
17	13.339	10011.73	1021.00	0.34	0.34 VV	9.9054
18	13.599	4599.17	153.12	0.03	0.03 VF	2.1150
19	13.881	1516.00	150.75	0.03	0.03 FR	5.5708
20	14.177	1624.00	4061.00	0.23	0.23 RF	5.5346
21	14.507	2511.00	448.00	0.09	0.09 FV	5.9608
22	14.873	2512.00	190.21	0.06	0.06 VV	4.4586
23	15.277	1541.93	110.00	0.06	0.06 VV	5.6152
24	15.724	4116.48	340.90	0.14	0.14 VV	4.8953
25	16.130	2721.63	452.50	0.09	0.09 VB	6.0161
26	16.535	480.00	167.10	0.02	0.02 RR	2.8725
27	16.939	1015.60	283.12	0.03	0.03 BV	3.6253
28	17.300	110.40	37.35	0.02	0.02 VR	8.0866
29	17.791	153.00	119.71	0.01	0.01 RR	2.9489
30	18.300	2279.00	543.91	0.08	0.08 BV	4.1900
31	18.962	1578.50	503.62	0.05	0.05 VR	3.1343
32	19.631	1837.00	281.40	0.06	0.06 RR	6.5280
33	20.302	9411.59	1392.66	0.32	0.32 RV	6.7580
34	21.002	124153.80	2753.55	4.16	4.16 VV	9.7295
35	21.802	268609.59	56636.57	8.99	8.99 VB	7.3317
36	22.686	2647.00	101.13	0.09	0.09 RR	3.7902
37	23.638	3749.20	920.15	0.13	0.13 RV	4.0745
38	24.664	19846.79	3709.55	0.66	0.66 VR	5.3505
39	25.775	16772.00	4042.49	0.56	0.56 RR	4.1489
40	26.958	3177.42	668.40	0.11	0.11 BV	4.7538
41	28.269	7003.33	1322.48	0.23	0.23 VV	5.2956
42	29.789	11292.65	2631.18	0.38	0.38 VV	4.2919
43	31.484	7698.62	1561.76	0.26	0.26 VR	4.9295
44	33.347	6130.48	966.46	0.21	0.21 BB	6.3433
45	35.370	9873.78	1155.43	0.33	0.33 BV	8.5456
46	37.602	4036.90	1048.98	0.14	0.14 VV	3.8484
47	40.095	3647.23	736.63	0.12	0.12 VV	4.9513
48	42.841	4222.63	750.03	0.14	0.14 VB	5.6299
49	45.951	7103.49	1580.81	0.24	0.24 RR	4.4936
50	49.162	1020.02	347.94	0.03	0.03 BB	2.9316
51	52.405	4221.57	618.76	0.14	0.14 BV	6.8227
52	55.569	2390.42	528.79	0.08	0.08 VR	4.5206
53	59.700	1977.57	503.93	0.07	0.07 BV	3.9243
54	63.903	11244.17	2409.55	0.38	0.38 VV	4.6665
55	68.073	1177.25	289.33	0.04	0.04 VB	4.0689
56	72.212	3482.04	647.55	0.12	0.12 BV	5.3773
57	76.438	5712.80	1146.26	0.19	0.19 VV	4.9870

100	21.868	3906.32	785.81	0.13	0.13 VV	4.9711
1	22.026	157150.50	39196.19	5.26	5.26 VE	4.0093
2	22.145	11813.00	3357.77	0.40	0.40 EV	3.5181
03	22.280	10252.00	1268.73	0.34	0.34 VV	8.0806
4	22.472	8153.66	1310.73	0.27	0.27 VV	6.2207
5	22.666	2725.03	526.60	0.09	0.09 VV	5.1748
06	22.765	6150.90	929.22	0.21	0.21 VV	6.6194
07	22.899	1935.65	433.32	0.07	0.07 VV	4.4671
8	23.049	4086.84	859.09	0.14	0.14 VV	4.7572
9	23.137	5799.34	1138.74	0.19	0.19 VR	5.0928
0	23.354	4866.02	587.55	0.16	0.16 RR	8.2818
1	23.689	6238.00	906.21	0.21	0.21 RR	6.8836
2	23.968	11831.30	1639.27	0.40	0.40 RV	7.2174
3	24.123	3340.56	716.43	0.11	0.11 VV	4.6628
4	24.295	11554.09	2086.57	0.39	0.39 VV	5.5374
5	24.404	4522.70	1073.32	0.15	0.15 VV	4.2137
6	24.500	16616.00	2191.06	0.56	0.56 VV	7.5836
7	24.835	35539.08	4276.51	1.19	1.19 VV	8.3103
8	25.413	5215.70	953.24	0.18	0.18 VV	5.4716
9	25.741	5063.43	814.76	0.17	0.17 VV	6.2147
0	25.172	5468.44	1140.98	0.18	0.18 VV	4.7928
1	25.505	62794.44	3765.17	2.10	2.10 VV	7.1641
2	25.896	17399.11	1903.38	0.58	0.58 VV	9.1412
3	26.107	8734.58	1102.28	0.29	0.29 VV	7.9387
4	26.359	1129.35	759.30	0.15	0.15 VR	4.6875
5	26.649	4541.31	764.72	0.15	0.15 RR	4.8688
6	26.859	1258.31	1140.44	0.08	0.08 RR	6.6283
7	27.450	5919.74	735.23	0.10	0.10 RV	8.0516
8	27.663	24975.22	959.54	0.84	0.84 JV	8.4389
9	27.816	22253.05	2568.67	0.75	0.75 VF	8.6633
0	28.001	2027.00	352.27	0.07	0.07 FR	5.7541
1	28.229	3068.81	516.06	0.10	0.10 RV	5.9467
2	28.379	6731.18	1148.98	0.23	0.23 VR	5.8584
3	28.781	857.61	156.64	0.03	0.03 RR	5.4711
4	28.951	503.00	98.56	0.02	0.02 RR	5.1036

2987915.50 567455.81 100.00 100.00

Chromatogram

Sample Name : 1415-003x100

FileName : d:\3400\411013.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 13

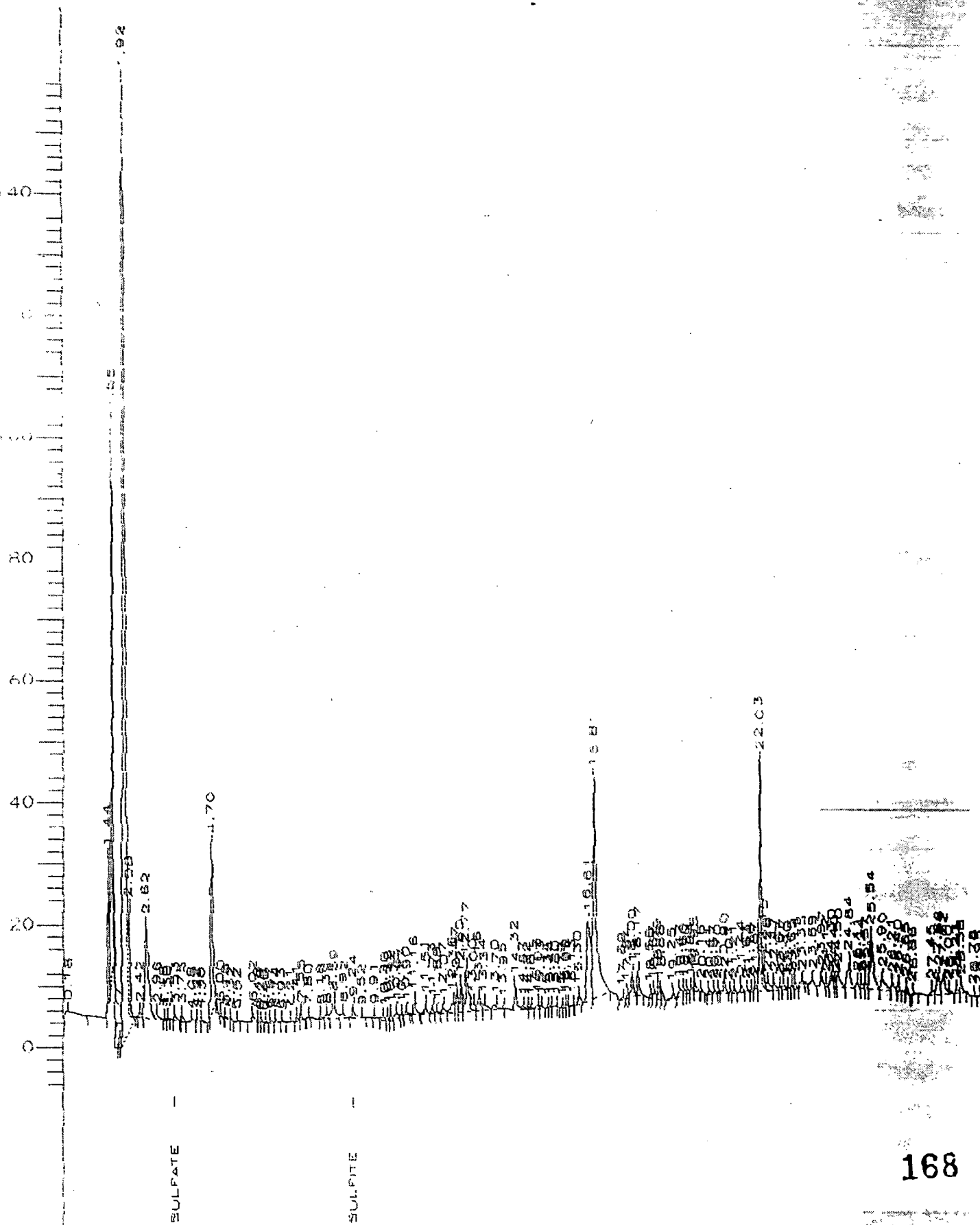
Date : 4/11/94 01:37 AM

Low Point : -7.95 mV

Plot Scale: 167 mV

Page 1 of 1

High Point : 159.06



Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-004

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted) 31

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 3/23/94

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 100

SAMPLE WT/VOL:

Vs _____ or Wg 56.1 Vf 5000 VI 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-004x100

Sample Number: 14

Operator :

1425.4

Time : 4/11/94 02:19 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial #: 0122572086 Data Acquisition Time: 4/11/94 01:50 AM

Delay Time : 0.00 min

Run Time : 29.00 min

Logging Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A411014.raw

Result File : d:\3400\A411014.rst

Instrument File: d:\2700\methodan\herba.ins

Process File : d:\2700\methodan\herba.pro

Print File : d:\2700\methodan\herba.rmp

Report File : d:\3400\A411014.RPT

Volume : 1.00

Area Reject : 0.00

Area Amount : 1.0000

Integration Factor : 1.00

DEFAULT REPORT

Time [min]	Area [uv*sec]	Height [uv]	Area [%]	Norm. Area [%]	Area RL	Area/Height [sec]
0.181	13669.00	674.27	0.42	0.42	RR	21.8961
1.436	35727.72	27690.15	2.63	2.63	RV	3.0985
1.550	322956.38	94795.43	9.91	9.91	VV	3.4069
1.632	140748.42	99306.92	4.32	4.32	VR	1.4173
1.768	3191.00	2165.88	0.10	0.10	RR	1.4733
1.922	924521.00	159408.36	28.36	28.36	RE	5.7997
2.082	88656.00	19618.17	2.72	2.72	EV	4.5181
2.293	17653.75	3568.94	0.54	0.54	VV	4.9409
2.435	36297.46	3741.83	1.11	1.11	VV	9.7005
2.617	152747.28	12838.93	4.69	4.69	VE	11.8972
2.964	4595.00	669.61	0.14	0.14	EV	6.8622
3.299	2412.00	345.47	0.07	0.07	VR	6.9818
3.523	4205.00	867.12	0.13	0.13	RR	4.8494
3.741	2247.00	495.18	0.07	0.07	RR	4.5378
4.063	3044.87	483.53	0.09	0.09	BV	6.2972
4.227	2054.13	353.47	0.06	0.06	VR	5.8113
4.696	124885.50	22855.06	3.83	3.83	RE	5.4642
4.871	13568.00	3133.55	0.42	0.42	EV	4.3299
4.998	8440.00	1527.22	0.26	0.26	VV	5.5264
5.156	5706.00	711.55	0.18	0.18	VV	8.0191
5.339	2109.00	391.80	0.07	0.07	VR	5.3829
5.656	344.00	63.24	0.01	0.01	RR	5.4396
6.019	3874.22	680.93	0.12	0.12	BV	5.6896
6.170	24477.47	4835.83	0.75	0.75	VV	5.0617
6.391	9534.61	2114.38	0.29	0.29	VV	4.5094
6.563	2956.85	720.98	0.09	0.09	VV	4.1012
6.735	1209.46	224.89	0.04	0.04	VV	5.3781
6.936	2136.91	356.63	0.07	0.07	VR	5.9920
7.219	1035.00	181.16	0.03	0.03	RR	5.7133
7.409	4191.42	873.82	0.13	0.13	BV	4.7967
7.566	1376.57	251.38	0.04	0.04	VV	5.4760

4	8.170	2047.40	414.14	0.06	0.06 BV	4.9488
5	8.390	3228.76	471.62	0.10	0.10 VV	6.8462
6	8.600	17438.82	1774.35	0.54	0.54 VV	9.8283
7	8.823	3010.17	619.68	0.09	0.09 VV	4.8576
8	8.918	3261.29	699.69	0.10	0.10 VB	4.6610
9	9.238	10021.00	1534.08	0.31	0.31 BB	6.5323
10	9.905	5558.39	782.31	0.17	0.17 BV	7.1051
11	10.105	3557.45	691.49	0.11	0.11 VV	5.1446
12	10.197	6555.71	1121.22	0.20	0.20 VV	5.8469
13	10.295	3824.45	1302.22	0.12	0.12 VB	2.9369
14	10.405	18892.33	3676.02	0.58	0.58 RV	5.1393
15	10.622	19915.09	3215.58	0.61	0.61 VV	6.1933
16	10.876	8795.56	1062.53	0.27	0.27 VB	8.2779
17	11.131	457.00	205.45	0.01	0.01 RR	2.2244
18	11.240	600.00	150.14	0.02	0.02 RR	3.9964
19	11.406	725.58	228.24	0.02	0.02 BV	3.1791
20	11.504	11447.42	2387.29	0.35	0.35 VB	4.7952
21	11.717	885.00	272.15	0.03	0.03 RR	3.2519
22	11.930	1434.00	203.84	0.04	0.04 RR	7.0351
23	12.071	3674.00	758.68	0.11	0.11 RR	4.8426
24	12.364	5422.26	665.21	0.17	0.17 BV	8.1512
25	12.467	10751.56	2238.66	0.31	0.31 VV	4.7937
26	12.601	11776.29	3589.77	0.36	0.36 VV	3.2805
27	12.765	39924.45	8853.49	1.23	1.23 VB	4.6137
28	13.195	809.50	143.40	0.02	0.02 BV	2.5039
29	13.194	1099.50	382.57	0.03	0.03 VB	2.8782
30	13.336	3661.52	111.90	0.11	0.11 RR	1.7591
31	13.671	12878.00	1069.41	0.40	0.40 RR	6.2230
32	14.135	1742.00	116.73	0.05	0.05 RR	8.0357
33	14.316	2953.50	872.01	0.09	0.09 RR	3.3870
34	14.569	4416.00	874.53	0.14	0.14 RR	5.0496
35	14.812	1923.00	634.69	0.06	0.06 RR	3.0298
36	15.129	4892.98	516.63	0.15	0.15 RR	9.4710
37	15.447	20120.00	2063.43	0.62	0.62 RR	9.7508
38	15.891	4821.00	923.05	0.15	0.15 RR	5.2229
39	16.118	4431.91	807.98	0.14	0.14 BV	5.4852
40	16.301	14432.68	1735.32	0.44	0.44 VV	8.3146
41	16.618	130389.33	12494.42	4.00	4.00 VV	10.4358
42	16.807	309525.56	36252.49	9.49	9.49 VV	8.5381
43	17.299	9542.00	2051.56	0.29	0.29 VV	4.6511
44	17.412	16689.55	2698.57	0.51	0.51 VB	6.1846
45	17.691	4001.28	502.76	0.12	0.12 BV	7.9586
46	17.839	6637.63	1557.20	0.20	0.20 VV	4.2625
47	18.002	37825.88	6164.23	1.16	1.16 VV	6.1364
48	18.174	18387.00	3967.97	0.56	0.56 VB	4.6339
49	18.673	16554.44	2411.16	0.51	0.51 RV	6.8658
50	18.795	7803.35	1658.90	0.24	0.24 VV	4.7039
51	18.882	6045.46	1137.83	0.19	0.19 VV	5.3131
52	19.044	952.73	286.40	0.03	0.03 VB	3.3266
53	19.254	3680.50	789.43	0.11	0.11 RR	4.6622
54	19.520	6835.98	600.28	0.21	0.21 RR	11.3879
55	19.698	1742.67	349.84	0.05	0.05 BV	4.9813
56	19.840	2875.84	664.39	0.09	0.09 VV	4.3286
57	19.954	6836.48	1511.21	0.21	0.21 VB	4.5239
58	20.407	6753.77	695.43	0.21	0.21 BV	9.7117
59	20.572	1311.74	338.39	0.04	0.04 VB	3.8765
60	20.822	15026.27	2546.50	0.46	0.46 BV	5.9008
61	20.903	23860.87	4717.96	0.73	0.73 VE	5.0575
62	21.080	2674.00	779.23	0.08	0.08 EV	3.4316
63	21.199	8162.22	1376.11	0.25	0.25 VV	5.9314
64	21.424	4267.20	794.67	0.13	0.13 VV	5.3698
65	21.537	971.11	244.96	0.03	0.03 VV	3.9644
66	21.694	4889.91	732.91	0.15	0.15 VV	6.6719
67	21.869	6550.13	1393.90	0.20	0.20 VV	4.6991

00	22.300	3082.02	721.34	0.10	0.10	BB	4.2726
1	22.471	2876.52	877.09	0.09	0.09	BB	3.2796
2	22.660	2140.95	439.79	0.07	0.07	BV	4.8681
03	22.769	2525.72	552.30	0.08	0.08	VV	4.5731
4	22.854	2110.84	517.60	0.07	0.07	VB	4.0781
5	23.043	3398.03	725.16	0.10	0.10	BV	4.6859
6	23.150	3553.63	735.39	0.11	0.11	VV	4.8323
07	23.343	10715.91	1207.10	0.33	0.33	VV	8.8774
8	23.482	6985.28	1139.88	0.21	0.21	VV	6.1281
9	23.572	5366.97	967.15	0.17	0.17	VV	5.5493
0	23.693	7664.99	1348.33	0.24	0.24	VV	5.6848
1	23.789	6985.48	1014.71	0.21	0.21	VV	6.8842
2	23.969	11998.09	1409.10	0.37	0.37	VV	8.5147
3	24.138	2583.45	576.59	0.08	0.08	VV	4.4806
4	24.262	8255.45	1360.25	0.25	0.25	VV	6.0691
5	24.501	22861.56	2161.69	0.70	0.70	VV	10.5758
6	24.839	48699.52	5886.17	1.49	1.49	VV	8.2736
7	25.107	9137.03	1569.69	0.28	0.28	VV	5.8209
8	25.227	2527.62	582.67	0.08	0.08	VB	4.3380
9	25.377	4854.50	1022.22	0.15	0.15	BB	4.7490
0	25.663	2052.97	270.25	0.06	0.06	BB	7.5971
1	25.974	13180.42	1574.12	0.40	0.40	BV	8.5732
2	26.200	7678.61	1129.38	0.24	0.24	VV	6.7990
3	26.397	6047.01	1274.90	0.19	0.19	VB	4.7431
4	26.518	476.00	199.55	0.02	0.02	BB	2.3854
5	26.665	5772.64	1351.58	0.18	0.18	BV	6.0664
6	26.849	1105.84	226.84	0.03	0.03	VB	4.3751
7	27.210	2492.50	250.24	0.08	0.08	BB	9.9605
8	27.464	8400.15	1039.73	0.26	0.26	BV	7.9263
9	27.671	22902.22	3131.01	0.70	0.70	VV	7.3146
0	27.813	38572.02	4720.83	1.18	1.18	VF	8.1706
1	28.017	4114.00	584.23	0.13	0.13	FV	7.0418
2	28.221	3648.75	570.16	0.11	0.11	VV	6.3996
3	28.376	8856.88	1354.28	0.27	0.27	VB	6.5399
4	28.920	1057.99	176.92	0.03	0.03	BB	5.9800

5260111.00 650817.88 100.00 100.00

Chromatogram

Sample Name : 1415-004x100

FileName : d:\3400\411014.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 14

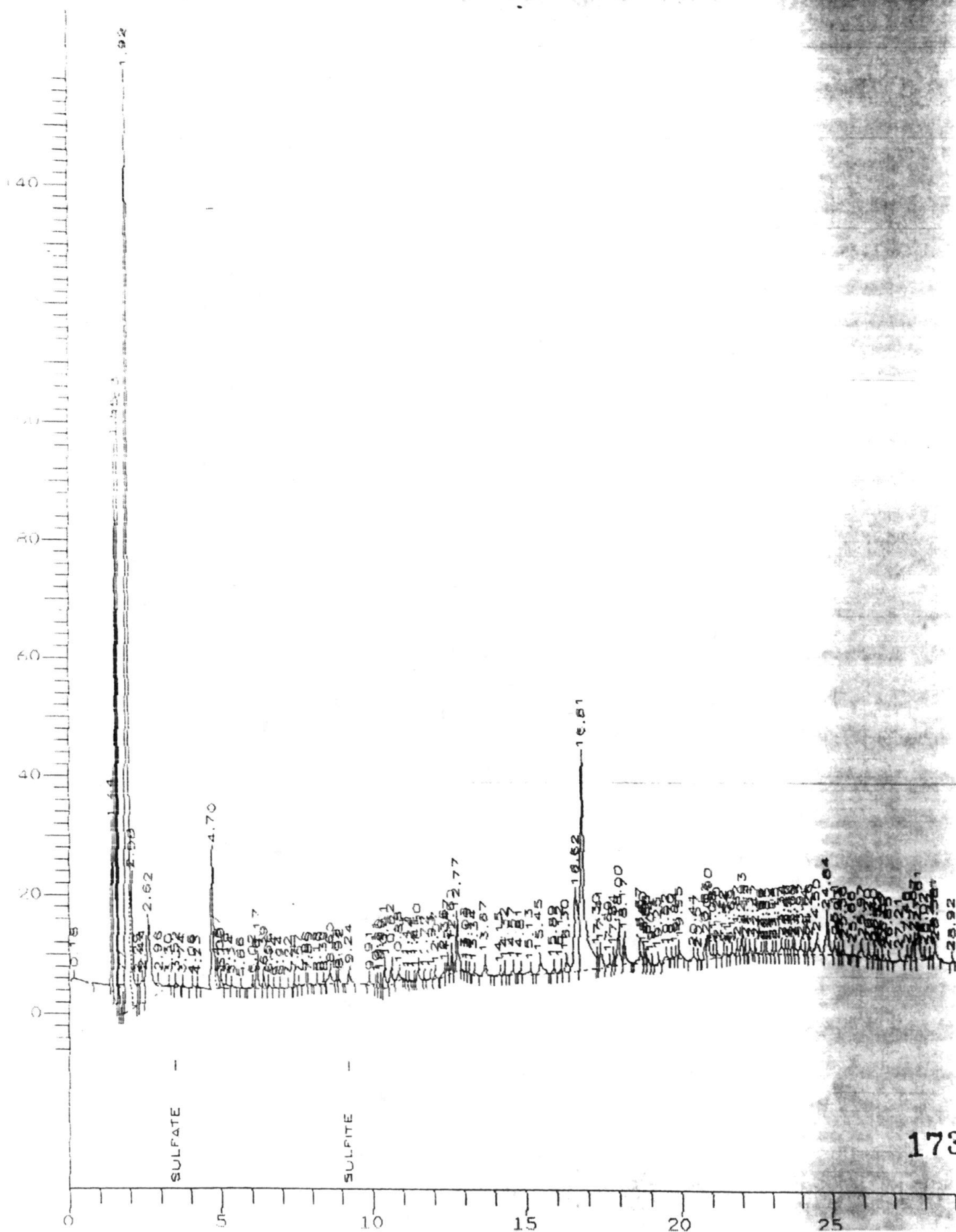
Date : 4/11/94 02:19 AM

Low Point : -7.90 mV

Plot Scale: 166 mV

Page 1 of 1

High Point : 156.10



Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-005

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted) 26

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED:

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 100

SAMPLE WT/VOL:

[illegible]

Vs _____ or Wg 58.5 Vf 5000 VI 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-005x100

Sample Number: 15

Operator :

1425,6

Time : 4/11/94 03:01 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 02:32 AM

Delay Time : 0.00 min.

Load Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\411015.raw

Result File : d:\3400\411015.rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.pro

Sample File : d:\2700\methdan\herba.smp

Sequence File : D:\3400\0411HERB.seq

Injection Volume : 1 ul

Area Reject : 0.00

Sample Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Peak	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Area BL	Area/Height [sec]
	0.168	8521.50	562.06	0.20	0.20	BB	15.1611
	1.435	88585.69	27903.35	2.09	2.09	BV	3.1747
	1.552	321481.94	87460.59	7.59	7.59	VV	3.6757
	1.631	230797.38	158100.77	5.45	5.45	VB	1.4598
	1.768	6054.00	3602.72	0.14	0.14	BB	1.6804
	1.921	948889.88	157654.58	22.40	22.40	BE	6.0188
	2.082	98058.00	20943.64	2.31	2.31	EV	4.6820
	2.442	74794.26	5126.37	1.77	1.77	VV	14.5901
	2.615	180673.67	14215.25	4.26	4.26	VV	12.7099
	2.963	36749.57	4171.51	0.87	0.87	VV	8.8097
	3.152	35101.35	3320.51	0.83	0.83	VV	10.5711
	3.308	46160.38	4299.32	1.09	1.09	VV	10.7367
	3.520	31337.36	3634.48	0.74	0.74	VV	8.6222
	3.731	47969.72	4127.28	1.13	1.13	VV	11.6226
	4.052	29132.48	2324.76	0.69	0.69	VV	12.5314
	4.231	21059.99	2249.13	0.50	0.50	VV	9.3636
	4.386	13720.33	2098.21	0.32	0.32	VV	6.5391
	4.690	144666.72	24885.31	3.42	3.42	VV	5.8133
	4.868	31020.06	6042.23	0.73	0.73	VV	5.1339
	4.991	14029.47	2310.17	0.33	0.33	VV	6.0729
	5.159	10186.72	1204.88	0.24	0.24	VV	8.4546
	5.345	3487.80	671.75	0.08	0.08	VV	5.1921
	5.526	3462.29	455.33	0.08	0.08	VB	7.6040
	5.773	227.00	66.58	0.01	0.01	BB	3.4097
	6.006	3534.50	793.24	0.08	0.08	BB	4.4558
	6.164	15877.50	3801.30	0.38	0.38	BB	4.1769
	6.387	555.50	196.82	0.01	0.01	BB	2.8224
	6.557	4447.70	980.73	0.11	0.11	BV	4.5351
	6.724	3652.23	708.96	0.09	0.09	VV	5.1515
	6.953	2096.90	359.35	0.05	0.05	VV	5.8353
	7.081	415.88	123.28	0.01	0.01	VV	3.3735

4	7.540	5775.01	697.62	0.09	0.09 VV	5.7275
5	7.880	14899.88	1503.48	0.35	0.35 VB	9.9102
6	8.164	1249.00	350.47	0.03	0.03 BB	3.5638
37	8.371	20207.80	4275.80	0.48	0.48 BV	4.7261
38	8.592	22773.52	2473.87	0.54	0.54 VV	9.2056
9	8.812	3627.48	772.30	0.09	0.09 VV	4.6970
-0	8.904	3640.20	780.04	0.09	0.09 VB	4.6667
41	9.224	16087.00	2560.01	0.38	0.38 BB	6.2840
2	9.672	359.00	144.61	0.01	0.01 BB	2.4826
3	9.898	3759.56	691.88	0.09	0.09 BV	5.4338
14	10.186	7420.65	916.16	0.18	0.18 VV	8.0997
5	10.278	1886.80	977.85	0.05	0.05 VR	1.9296
6	10.406	24481.70	5385.14	0.58	0.58 BV	4.5462
7	10.592	10100.16	1417.90	0.24	0.24 VV	7.1233
8	10.724	7364.22	1268.24	0.17	0.17 VV	5.8067
9	10.872	14995.70	1636.77	0.35	0.35 VV	9.1618
0	11.020	4183.43	950.39	0.10	0.10 VV	4.4018
1	11.144	2331.81	617.28	0.06	0.06 VR	3.7776
2	11.397	5482.25	873.93	0.13	0.13 BV	6.2731
3	11.495	9331.00	2049.13	0.22	0.22 VV	4.5536
4	11.715	5876.75	1395.66	0.14	0.14 VR	4.2117
5	12.049	8874.64	1937.54	0.21	0.21 BV	4.5804
6	12.334	9084.73	1300.96	0.21	0.21 VV	6.9831
7	12.454	16314.34	3403.61	0.39	0.39 VV	4.7932
8	12.589	13377.30	3973.33	0.32	0.32 VR	3.3668
9	12.750	84130.01	20077.32	1.99	1.99 BB	4.1903
0	13.042	632.78	205.91	0.02	0.02 BV	3.0731
1	13.141	14470.22	3183.68	0.34	0.34 VR	4.5451
2	13.337	3674.55	780.84	0.09	0.09 BV	4.7059
3	13.405	4793.01	957.57	0.11	0.11 VV	5.0054
4	13.686	20027.64	3099.13	0.47	0.47 VE	6.4623
5	13.822	1785.00	441.00	0.04	0.04 EV	4.0477
6	13.952	804.18	262.72	0.02	0.02 VV	3.0610
7	14.018	2016.32	358.90	0.05	0.05 VV	5.6180
8	14.128	1238.46	351.19	0.03	0.03 VR	3.5264
9	14.297	4756.85	930.77	0.11	0.11 BV	5.1106
0	14.417	3380.73	731.69	0.08	0.08 VV	4.6204
1	14.551	9924.45	1865.24	0.23	0.23 VV	5.3208
2	14.703	1804.62	556.03	0.04	0.04 VV	3.2455
3	14.798	9215.23	2099.10	0.22	0.22 VV	4.3901
4	15.105	10300.24	1605.24	0.24	0.24 VV	6.4166
5	15.177	3828.25	1070.89	0.09	0.09 VV	3.5748
6	15.285	3795.81	888.45	0.09	0.09 VV	4.2724
7	15.423	48214.41	6204.68	1.14	1.14 VV	7.7707
8	15.774	4363.45	1066.17	0.10	0.10 VV	4.0927
9	15.868	17477.96	3867.22	0.41	0.41 VR	4.5195
0	16.131	2087.50	340.19	0.05	0.05 BB	6.1362
1	16.283	8554.02	1586.91	0.20	0.20 BB	5.3904
2	16.582	118220.89	12289.02	2.79	2.79 BV	9.6200
3	16.794	282389.09	52188.95	6.67	6.67 VR	5.4109
4	17.298	2928.51	612.04	0.07	0.07 BV	4.7848
5	17.399	5078.51	1518.36	0.12	0.12 VR	3.3447
6	17.612	13730.04	2384.39	0.32	0.32 BV	5.7583
7	17.992	107633.02	18803.33	2.54	2.54 VV	5.7242
8	18.163	31285.25	5470.07	0.74	0.74 VE	5.7194
9	18.381	5560.00	942.20	0.13	0.13 EV	5.9011
0	18.566	18647.85	2765.40	0.44	0.44 VV	6.7433
1	18.654	19663.30	3907.85	0.46	0.46 VV	5.0318
2	18.774	5445.32	1413.66	0.13	0.13 VV	3.8519
3	18.872	9388.07	1743.37	0.22	0.22 VV	5.3850
4	18.964	7489.15	1618.11	0.18	0.18 VR	4.6283
5	19.235	4347.00	1025.37	0.10	0.10 BB	4.2395
6	19.432	8276.47	1204.75	0.20	0.20 BB	6.8699
7	19.598	1288.51	416.09	0.03	0.03 BB	3.0967

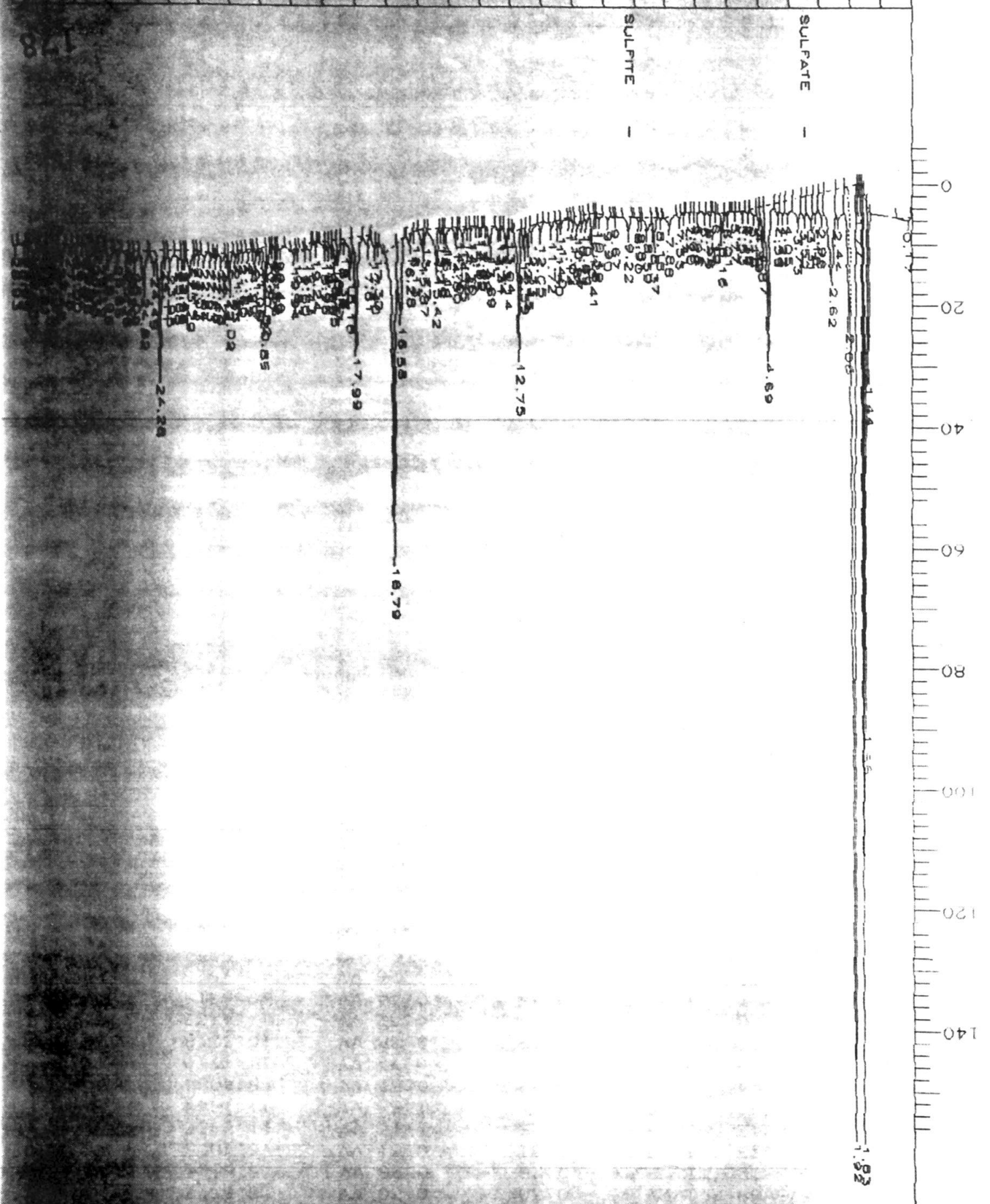
100	20.399	3890.17	537.67	0.09	0.09 BV	7.2352
1 1	20.488	2011.34	585.69	0.05	0.05 VV	3.4341
1 2	20.550	2850.50	969.68	0.07	0.07 VB	2.9396
103	20.674	1225.50	342.21	0.03	0.03 BV	3.5812
4	20.818	17096.00	4311.95	0.40	0.40 VV	3.9648
5	20.888	39616.50	10045.07	0.94	0.94 VE	3.9439
06	21.056	4369.00	1188.31	0.10	0.10 EB	3.6767
07	21.173	6685.00	1654.30	0.16	0.16 BV	4.0410
3	21.288	1322.50	399.36	0.03	0.03 VV	3.3116
9	21.416	3957.88	613.09	0.09	0.09 VV	6.4557
10	21.597	3498.63	536.41	0.08	0.08 VV	6.5224
1	21.738	2695.84	544.83	0.06	0.06 VV	4.9480
2	21.834	5517.16	1186.36	0.13	0.13 VB	4.6505
13	22.015	21625.00	5871.35	0.51	0.51 BV	3.6831
4	22.135	3291.60	964.92	0.08	0.08 VV	3.4113
5	22.275	10241.41	1336.62	0.24	0.24 VB	7.6622
6	22.460	1898.99	601.57	0.05	0.05 BB	3.1567
7	22.630	2363.50	729.54	0.06	0.06 BB	3.2397
8	22.837	8161.00	1086.63	0.19	0.19 BV	7.5104
9	23.027	5014.00	1079.83	0.12	0.12 VB	4.6433
0	23.140	5619.91	986.43	0.13	0.13 BV	5.6973
1	23.288	26711.48	3051.68	0.63	0.63 VV	8.7531
2	23.483	9310.73	1641.71	0.22	0.22 VV	5.6714
3	23.550	9297.70	1708.75	0.22	0.22 VV	5.4412
4	23.679	14036.40	1769.61	0.33	0.33 VV	7.9319
5	23.952	20572.22	2138.58	0.49	0.49 VV	9.6196
6	24.113	8682.88	1455.03	0.21	0.21 VV	5.9675
7	24.284	105859.05	20253.93	2.50	2.50 VE	5.2266
8	24.487	19256.00	2432.15	0.45	0.45 EV	7.9173
9	24.820	48310.42	5961.82	1.14	1.14 VV	8.1033
0	25.094	11658.43	1891.21	0.28	0.28 VV	6.1645
1	25.219	3826.06	791.07	0.09	0.09 VV	4.8365
2	25.362	12119.53	2061.21	0.29	0.29 VB	5.8798
3	25.649	6044.63	655.94	0.14	0.14 BV	9.2152
4	25.956	18748.66	2230.12	0.44	0.44 VV	8.4070
5	26.189	10915.41	1244.63	0.26	0.26 VV	8.7700
6	26.379	7251.27	1471.79	0.17	0.17 VB	4.9268
7	26.508	1237.00	391.46	0.03	0.03 BB	3.1600
8	26.655	6049.49	1028.35	0.14	0.14 BB	5.8827
9	26.835	2929.34	477.30	0.07	0.07 BV	6.1373
0	26.998	5996.16	812.24	0.14	0.14 VV	7.3823
1	27.182	3506.50	476.57	0.08	0.08 VB	7.3578
2	27.457	19942.86	2107.48	0.47	0.47 BV	9.4629
3	27.649	22967.98	2986.69	0.54	0.54 VV	7.6901
4	27.801	42018.50	5161.82	0.99	0.99 VV	8.1403
5	28.013	14666.02	1572.10	0.35	0.35 VV	9.3289
6	28.214	7665.47	1085.07	0.18	0.18 VV	7.0645
7	28.354	15137.40	1924.77	0.36	0.36 VV	7.8645
8	28.533	3662.06	546.28	0.09	0.09 VV	6.7036
9	28.653	2882.22	410.42	0.07	0.07 VB	7.0226
0	28.932	1581.01	229.09	0.04	0.04 BB	6.9011

4236750.50 855508.13 100.00 100.00

Chromatogram

Sample Name : 1415-005x100
 FileName : d:\3400\4411015.raw
 Start Time : 0.00 min
 End Time : 29.00 min
 Plot Offset: -8 mV
 Sample #: 15
 Date : 4/11/94 03:01 AM
 Low Point : -7.65 mV
 Plot Scale: 165 mV

High



Software Version: 3.1 <2A23>

Sample Name : 1415-006x100

Sample Number: 16

Operator :

Time : 4/11/94 03:44

Study :

1425.6

GENERAL ANALYSIS DATA SHEET

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Check/Vial : 0/0

Interface Serial # : 0122572086

Data Acquisition Time: 4/11/94 03:14 AM

Delay Time : 0.00 min.

Sample Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\411016.raw

Result File : d:\3400\411016.rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.prc

Sample File : d:\2700\methdan\herba.smp

Sequence File : D:\3400\0411HERB.seq

Injection Volume : 1 ul

Area Reject : 0.00

Sample Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Peak	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Area BL	Area/Height [sec]
1	0.171	9483.00	559.93	0.29	0.29	BB	16.9361
2	1.435	69850.71	24909.40	2.16	2.16	BV	2.8042
3	1.553	276804.28	94848.98	8.56	8.56	VB	2.9184
4	1.766	1634.00	1183.89	0.05	0.05	BB	1.3802
5	1.920	929542.94	159622.98	28.73	28.73	BV	5.8234
6	2.082	89676.00	19824.98	2.77	2.77	VV	4.5234
7	2.297	18044.68	3626.34	0.56	0.56	VV	4.9760
8	2.423	36182.46	3811.83	1.12	1.12	VV	9.4921
9	2.616	87340.28	6682.88	2.70	2.70	VV	13.0693
10	2.967	15458.43	1639.53	0.48	0.48	VV	9.4286
11	3.309	4488.23	284.05	0.14	0.14	VB	15.8008
12	3.522	3786.00	782.87	0.12	0.12	BB	4.8360
13	3.738	3046.00	761.44	0.09	0.09	BB	4.0003
14	4.053	1879.04	253.65	0.06	0.06	BV	7.4079
15	4.226	2400.27	434.03	0.07	0.07	VV	5.5302
16	4.369	975.69	290.31	0.03	0.03	VB	3.3609
17	4.695	56673.47	10644.90	1.75	1.75	BV	5.3240
18	4.870	29745.29	6861.84	0.92	0.92	VE	4.3349
19	4.992	3849.00	843.88	0.12	0.12	EV	4.5611
20	5.152	4634.81	579.70	0.14	0.14	VV	7.9952
21	5.321	1857.43	334.49	0.06	0.06	VB	5.5530
22	6.009	3286.15	560.74	0.10	0.10	BV	5.8604
23	6.155	39175.14	6693.21	1.21	1.21	VV	5.8530
24	6.382	45123.16	8973.08	1.40	1.40	VE	5.0287
25	6.544	3477.00	729.99	0.11	0.11	EV	4.7631
26	6.727	4902.75	949.06	0.15	0.15	VV	5.1659
27	6.925	1714.79	312.44	0.05	0.05	VB	5.4883
28	7.207	506.00	96.30	0.02	0.02	BB	5.2545
29	7.390	10613.50	2250.70	0.33	0.33	BE	4.7156
30	7.560	1352.00	254.01	0.04	0.04	EV	5.3226
31	7.789	6847.50	1065.42	0.21	0.21	VB	6.4271
32	8.163	3141.22	542.49	0.10	0.10	BV	5.7904

54	8.582	15120.90	1220.17	0.47	0.47 VV	12.3924
5	8.806	1572.34	358.73	0.05	0.05 VV	4.3830
6	8.906	3357.78	643.27	0.10	0.10 VB	5.2199
37	9.222	6179.32	860.93	0.19	0.19 BV	7.1775
8	9.508	555.68	113.10	0.02	0.02 VB	4.9132
9	9.598	165.00	57.42	0.01	0.01 BB	2.8734
40	9.886	5064.75	851.62	0.16	0.16 BV	5.9472
41	10.054	24288.00	2897.94	0.75	0.75 VV	8.3811
2	10.280	3235.25	1218.86	0.10	0.10 VB	2.6543
3	10.387	21353.72	3907.09	0.66	0.66 BV	5.4654
14	10.608	28512.53	4236.73	0.88	0.88 VV	6.7298
5	10.834	48826.75	4014.22	1.51	1.51 VB	12.1634
6	11.487	27850.48	3291.83	0.86	0.86 BB	8.4605
17	11.909	1388.00	168.25	0.04	0.04 BB	8.2498
8	12.068	6268.36	1358.66	0.19	0.19 BV	4.6137
9	12.302	12673.16	1869.39	0.39	0.39 VV	6.7793
0	12.451	13942.28	2663.37	0.43	0.43 VV	5.2348
1	12.584	19217.64	4719.86	0.59	0.59 VV	4.0717
2	12.749	128511.32	21342.53	3.97	3.97 VE	6.0214
3	13.041	4507.00	1079.35	0.14	0.14 EV	4.1757
4	13.137	5077.00	920.26	0.16	0.16 VV	5.5169
5	13.322	5407.00	657.59	0.17	0.17 VB	8.2225
6	13.657	10615.00	1816.01	0.33	0.33 BB	5.8452
7	14.161	2144.59	402.70	0.07	0.07 BV	5.3256
8	14.296	3765.42	894.88	0.12	0.12 VE	4.2077
9	14.409	320.00	135.65	0.01	0.01 EB	2.3591
0	14.555	2272.50	480.70	0.07	0.07 BB	4.7275
1	14.791	11407.00	3187.95	0.35	0.35 BB	3.5782
2	15.015	3582.00	988.47	0.11	0.11 BB	3.6238
3	15.304	214.33	75.96	0.01	0.01 BV	2.8217
4	15.432	6677.66	1040.32	0.21	0.21 VV	6.4189
5	15.591	16601.94	1458.88	0.51	0.51 VV	11.3799
6	15.872	5974.07	1097.99	0.19	0.19 VB	5.4409
7	16.091	12541.75	2495.54	0.39	0.39 BV	5.0257
8	16.281	6964.25	1005.82	0.22	0.22 VB	6.9240
9	16.622	89106.13	9337.17	2.75	2.75 BV	9.5432
0	16.787	207658.78	32418.38	6.42	6.42 VB	6.4056
1	17.359	3649.00	671.97	0.11	0.11 BB	5.4303
2	17.613	2876.49	606.31	0.09	0.09 BB	4.7443
3	17.817	4465.57	1079.37	0.14	0.14 BV	4.1372
4	17.982	28213.59	3686.46	0.87	0.87 VV	7.6533
5	18.155	21949.41	4278.41	0.68	0.68 VE	5.1303
6	18.309	4863.00	689.32	0.15	0.15 EV	7.0548
7	18.541	6332.80	956.08	0.20	0.20 VV	6.6237
8	18.650	6628.52	1244.18	0.21	0.21 VV	5.3276
9	18.776	7647.44	1673.39	0.24	0.24 VV	4.5700
0	18.868	9532.66	1621.11	0.30	0.30 VB	5.8803
1	19.055	1552.00	388.15	0.05	0.05 BB	3.9985
2	19.258	6129.49	1552.23	0.19	0.19 BB	3.9488
3	19.512	5022.03	598.81	0.16	0.16 BV	8.3868
4	19.679	3653.55	500.72	0.11	0.11 VV	7.2966
5	19.821	3824.41	619.49	0.12	0.12 VB	6.1735
6	19.937	4032.03	1130.34	0.13	0.13 BB	3.5671
7	20.234	587.51	253.23	0.02	0.02 BB	2.3200
8	20.416	1705.74	328.36	0.05	0.05 BV	5.1947
9	20.543	2009.27	471.61	0.06	0.06 VB	4.2604
0	20.765	13263.33	1719.41	0.41	0.41 BV	7.7139
1	20.882	12828.40	2466.13	0.40	0.40 VV	5.2018
2	21.067	2661.54	611.75	0.08	0.08 VV	4.3507
3	21.166	2795.23	431.37	0.09	0.09 VB	6.4799
4	21.428	2674.02	413.34	0.08	0.08 BB	6.4693
5	21.736	5207.56	698.05	0.16	0.16 BV	7.4601
6	21.845	4063.20	712.70	0.13	0.13 VV	5.7012
7	22.007	67002.98	17461.10	2.07	2.07 VV	5.3333

100	22.450	8468.61	1138.15	0.26	0.26 VV	7.4407
1	22.821	16328.11	991.15	0.51	0.51 VV	16.4739
2	23.011	8224.88	1303.32	0.25	0.25 VV	6.3107
103	23.150	7788.48	1281.82	0.24	0.24 VV	6.0761
4	23.334	45255.66	2699.99	1.40	1.40 VV	16.7614
5	23.667	17603.43	1751.38	0.54	0.54 VV	10.0512
06	23.959	14948.06	1664.30	0.46	0.46 VV	8.9816
07	24.043	9575.69	1722.95	0.30	0.30 VV	5.5577
8	24.149	9103.12	1609.44	0.28	0.28 VV	5.6561
9	24.236	9934.78	1552.23	0.31	0.31 VV	6.4003
10	24.474	36462.42	3073.44	1.13	1.13 VV	11.8637
1	24.818	50394.31	4501.75	1.56	1.56 VV	11.1944
2	25.088	16664.44	1981.89	0.52	0.52 VV	8.4084
3	25.350	23314.67	2087.08	0.72	0.72 VV	11.1710
4	25.677	9183.02	889.67	0.28	0.28 VV	10.3218
5	25.884	18391.73	1607.15	0.57	0.57 VV	11.4437
6	26.195	14209.91	1472.30	0.44	0.44 VV	9.6515
7	26.370	8475.33	1463.07	0.26	0.26 VV	5.7928
8	26.488	1796.67	448.57	0.06	0.06 VV	4.0054
9	26.629	4203.94	751.41	0.13	0.13 VB	5.5947
1	26.834	2422.20	343.49	0.08	0.08 BV	7.0517
2	26.982	689.81	143.58	0.02	0.02 VB	4.8042
3	27.465	14853.89	1950.88	0.46	0.46 BV	7.6139
4	27.647	20440.11	2611.82	0.63	0.63 VV	7.8260
5	27.804	13287.89	1695.96	0.41	0.41 VV	7.8350
6	27.962	3841.66	479.63	0.12	0.12 VV	8.0097
7	28.195	4514.00	701.75	0.14	0.14 VV	6.4325
8	28.349	9986.44	1479.49	0.31	0.31 VB	6.7499

3235214.75	581343.31	100.00	100.00
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Sample Name : 1415-006x100

FileName : d:\3400\1411016.raw

Start Time : 0.00 min

Scale Factor : 1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 16

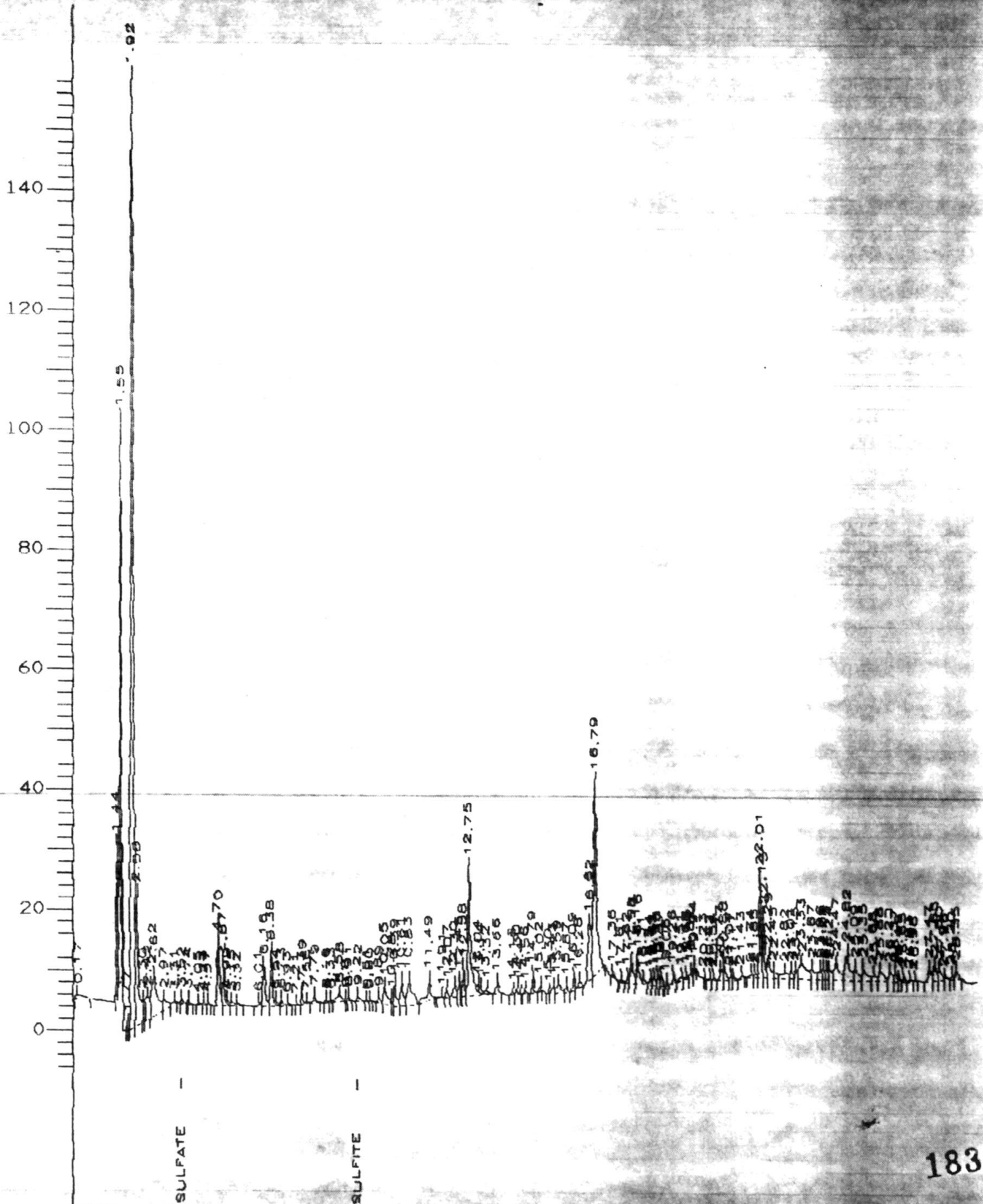
Date : 4/11/94 03:44 AM

Low Point : -7.96 mV

Plot Scale: 167 mV

Page 1 of 1

High Point : 159.19



Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-007

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted) 18

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED:

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 100

SAMPLE WT/VOL:

[illegible]

Vs _____ or Wg 52.0 Vt 5000 VI 1

V_s = volume of water extracted (mL) V_t = volume of total extract (uL)

Wg = Weight of sample extracted (g) VI = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-007x100

Sample Number: 17

Operator :

1425,8

Time : 4/11/94 04:26 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Check/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 03:56 AM

Play Time : 0.00 min.

Load Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A411017.raw

Result File : d:\3400\A411017.rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.prc

Sample File : d:\2700\methdan\herba.smp

Sequence File : D:\3400\0411HERB.seq

Injection Volume : 1 ul

Area Reject : 0.00

Sample Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Peak	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Area BL	Area/Height [sec]
1	0.180	11694.00	600.25	0.26	0.26	BB	19.4818
2	1.437	93263.39	28126.58	2.07	2.07	BV	3.3159
3	1.551	298907.31	79312.91	6.64	6.64	VV	3.7687
4	1.630	198564.78	125917.84	4.41	4.41	VB	1.5769
5	1.767	5130.00	3172.62	0.11	0.11	BB	1.6170
6	1.919	902403.69	151156.61	20.04	20.04	BE	5.9700
7	2.080	91006.00	19980.35	2.02	2.02	EV	4.5548
8	2.422	59194.36	4179.07	1.31	1.31	VV	14.1645
9	2.615	148605.66	12351.70	3.30	3.30	VE	12.0312
10	2.963	18807.00	1623.98	0.42	0.42	EV	11.5808
11	3.175	5935.00	1202.90	0.13	0.13	VV	4.9339
12	3.316	15949.58	1688.01	0.35	0.35	VV	9.4488
13	3.517	5825.38	1051.13	0.13	0.13	VB	5.5420
14	3.735	4967.00	1116.10	0.11	0.11	BB	4.4503
15	4.049	3850.74	856.74	0.09	0.09	BV	4.4947
16	4.226	2222.26	451.82	0.05	0.05	VB	4.9184
17	4.690	119385.31	23649.73	2.65	2.65	BV	5.0481
18	4.870	41081.69	11050.50	0.91	0.91	VB	3.7176
19	5.157	2138.51	360.84	0.05	0.05	BB	5.9265
20	5.345	1819.50	399.26	0.04	0.04	BB	4.5572
21	5.642	440.00	101.00	0.01	0.01	BB	4.3564
22	5.783	488.00	181.70	0.01	0.01	BV	2.6858
23	6.009	3780.50	680.67	0.08	0.08	VV	5.5541
24	6.163	37834.00	6544.04	0.84	0.84	VE	5.7814
25	6.384	1250.00	366.29	0.03	0.03	EB	3.4126
26	6.558	2652.00	746.51	0.06	0.06	BB	3.5526
27	6.734	1385.50	271.29	0.03	0.03	BV	5.1070
28	6.948	1449.45	281.20	0.03	0.03	VB	5.1546
29	7.204	857.50	174.10	0.02	0.02	BB	4.9253
30	7.415	3168.36	545.90	0.07	0.07	BV	5.8040
31	7.570	3866.93	516.31	0.09	0.09	VV	7.4896

35	8.173	6836.69	761.45	0.15	0.15 VV	4.4534
36	8.378	7249.43	911.35	0.16	0.16 VV	8.9785
37	8.595	26290.00	2393.94	0.58	0.58 VV	7.9546
38	8.818	4552.86	852.56	0.10	0.10 VV	10.9819
39	8.913	6016.00	991.66	0.13	0.13 VV	5.3402
40	9.235	14789.72	1871.09	0.33	0.33 VV	6.0666
41	9.536	4564.40	1099.02	0.10	0.10 VB	7.9043
42	9.689	11635.66	2412.65	0.26	0.26 BV	4.1532
43	9.810	8282.63	1192.98	0.18	0.18 VV	4.8228
44	10.139	5706.17	1137.63	0.13	0.13 VV	6.9428
45	10.250	602.56	1021.29	0.06	0.06 VR	5.0159
46	10.403	14012.72	2499.59	0.31	0.31 RV	2.5483
47	10.515	17479.69	5369.25	0.61	0.61 VV	5.6060
48	10.647	14331.10	2103.78	0.32	0.32 VR	5.1180
49	10.749	2539.50	856.15	0.05	0.05 RR	6.8121
50	10.819	303.58	277.12	0.02	0.02 RV	2.7326
51	10.900	17471.97	2799.21	0.28	0.28 VR	2.8998
52	11.022	1296.19	134.35	0.07	0.07 RV	4.4555
53	11.127	1072.31	1879.86	0.16	0.16 VR	4.4886
54	11.200	1005.81	105.12	0.03	0.03 RV	3.7648
55	11.250	2012.66	1055.85	0.20	0.20 VV	5.2559
56	11.300	1559.46	4706.16	0.50	0.50 VV	7.1238
57	11.378	20332.15	5339.10	0.52	0.52 VV	4.8170
58	11.400	2013.33	2013.33	0.33	0.33 VF	4.3245
59	11.450	1005.81	1005.81	0.03	0.03 RV	10664
60	11.500	1005.81	1005.81	0.03	0.03 RV	4.2654
61	11.550	1005.81	1005.81	0.03	0.03 RV	4.2654
62	11.600	1005.81	1005.81	0.03	0.03 RV	4.2654
63	11.650	1005.81	1005.81	0.03	0.03 RV	4.2654
64	11.700	1005.81	1005.81	0.03	0.03 RV	4.2654
65	11.750	1005.81	1005.81	0.03	0.03 RV	4.2654
66	11.800	1005.81	1005.81	0.03	0.03 RV	4.2654
67	11.850	1005.81	1005.81	0.03	0.03 RV	4.2654
68	11.900	1005.81	1005.81	0.03	0.03 RV	4.2654
69	11.950	1005.81	1005.81	0.03	0.03 RV	4.2654
70	12.000	1005.81	1005.81	0.03	0.03 RV	4.2654
71	12.050	1005.81	1005.81	0.03	0.03 RV	4.2654
72	12.100	1005.81	1005.81	0.03	0.03 RV	4.2654
73	12.150	1005.81	1005.81	0.03	0.03 RV	4.2654
74	12.200	1005.81	1005.81	0.03	0.03 RV	4.2654
75	12.250	1005.81	1005.81	0.03	0.03 RV	4.2654
76	12.300	1005.81	1005.81	0.03	0.03 RV	4.2654
77	12.350	1005.81	1005.81	0.03	0.03 RV	4.2654
78	12.400	1005.81	1005.81	0.03	0.03 RV	4.2654
79	12.450	1005.81	1005.81	0.03	0.03 RV	4.2654
80	12.500	1005.81	1005.81	0.03	0.03 RV	4.2654
81	12.550	1005.81	1005.81	0.03	0.03 RV	4.2654
82	12.600	1005.81	1005.81	0.03	0.03 RV	4.2654
83	12.650	1005.81	1005.81	0.03	0.03 RV	4.2654
84	12.700	1005.81	1005.81	0.03	0.03 RV	4.2654
85	12.750	1005.81	1005.81	0.03	0.03 RV	4.2654
86	12.800	1005.81	1005.81	0.03	0.03 RV	4.2654
87	12.850	1005.81	1005.81	0.03	0.03 RV	4.2654
88	12.900	1005.81	1005.81	0.03	0.03 RV	4.2654
89	12.950	1005.81	1005.81	0.03	0.03 RV	4.2654
90	13.000	1005.81	1005.81	0.03	0.03 RV	4.2654
91	13.050	1005.81	1005.81	0.03	0.03 RV	4.2654
92	13.100	1005.81	1005.81	0.03	0.03 RV	4.2654
93	13.150	1005.81	1005.81	0.03	0.03 RV	4.2654
94	13.200	1005.81	1005.81	0.03	0.03 RV	4.2654
95	13.250	1005.81	1005.81	0.03	0.03 RV	4.2654
96	13.300	1005.81	1005.81	0.03	0.03 RV	4.2654
97	13.350	1005.81	1005.81	0.03	0.03 RV	4.2654
98	13.400	1005.81	1005.81	0.03	0.03 RV	4.2654
99	13.450	1005.81	1005.81	0.03	0.03 RV	4.2654
100	13.500	1005.81	1005.81	0.03	0.03 RV	4.2654

21.343	524.00	140.84	0.01	0.01	EB	2.3037
21.761	5140.57	1359.03	0.11	0.11	BV	3.7825
21.860	9245.69	1729.00	0.21	0.21	VV	5.3474
22.025	19723.44	3694.04	0.44	0.44	VV	5.3393
22.134	5972.19	1332.76	0.13	0.13	VV	4.4811
22.294	23735.31	3759.85	0.53	0.53	VV	6.3128
22.382	9060.51	2410.59	0.20	0.20	VV	3.7586
22.474	26570.25	3776.15	0.59	0.59	VV	7.0363
22.649	15174.48	2366.51	0.34	0.34	VV	6.4122
22.764	16223.07	2923.38	0.36	0.36	VV	5.5494
22.845	22774.08	245.39	0.51	0.51	VV	7.0174
23.013	19231.34	3086.09	0.43	0.43	VV	5.8523
23.153	14634.45	215.12	0.33	0.33	VR	4.5518
23.349	18045.33	2015.06	0.62	0.62	RV	9.3018
23.471	10787.65	565.31	0.24	0.24	VR	6.8917
23.699	2904.00	671.19	0.06	0.06	RR	4.3266
23.842	152.00	17.46	0.00	0.00	RR	1.9623
23.863	2915.00	17.13	0.07	0.07	RR	4.0089
24.062	3437.49	345.41	0.08	0.08	RV	4.0661
24.148	2303.49	61	0.05	0.05	VR	5.8313
24.206	1645.48	142.16	0.04	0.04	RV	3.1022
24.377	11550.13	6519.29	0.76	0.76	VV	6.3462
24.543	3407.62	277.41	0.12	0.12	VV	4.2989
24.701	27807.12	2125.54	0.76	0.66	VF	7.1161
24.805	1047.10	1290	0.04	0.24	RV	3.3066
24.902	1437.30	421.41	0.12	0.12	RV	5.7868
25.000	3111.61	112.12	0.12	0.12	RV	5.3536
25.100	844.12	112.12	0.09	0.09	VR	4.9282
25.200	481	112.12	0.11	0.11	RV	3.1430
25.300	4781	112.12	0.11	0.11	VV	3.1521
25.400	14381.65	112.12	0.12	0.12	VV	8.2265
25.500	2464.65	1413.48	0.17	0.17	VR	5.2069
25.600	1743.00	100.73	0.04	0.04	RV	4.3491
25.700	11978.01	1749.56	0.27	0.27	VR	6.1430
25.800	1314.33	16.75	0.04	0.04	RV	5.7225
25.900	10699.13	357.10	0.24	0.24	VR	12.0608
26.000	102597.44	3111.11	0.28	0.28	BE	5.7797
26.100	15640.00	2773.10	0.35	0.35	FV	5.6393
26.200	38532.65	2911.11	0.36	0.36	VF	7.2824
26.300	2511.00	351.61	0.06	0.06	FR	6.9436
26.400	12010.33	490.37	0.49	0.49	RR	8.8577

1503928 50 170522 31 100.00 100.00

Chromatogram

Sample Name : 1415-007x100

FileName : d:\3400\1411017.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 29.00 min

Plot Offset: -8 mV

Sample #: 17

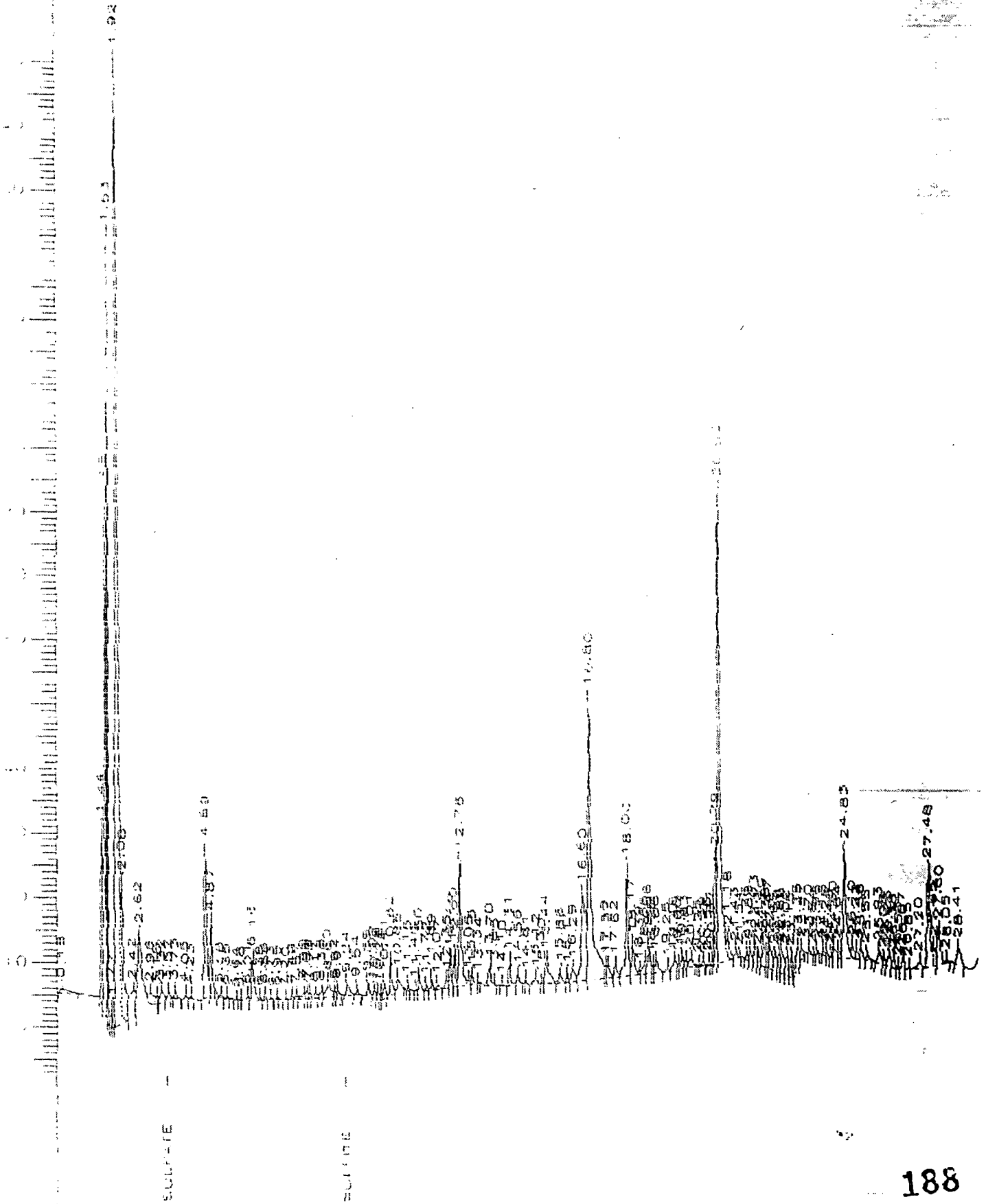
Date : 4/11/94 04:26 AM

Low Point : -7.55 mV

Plot Scale: 159 mV

Page 1 of 1

High Point : 151.02



Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-008

SAMPLE MATRIX: Soil/Solid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted) 26

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 3/23/94

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 100

SAMPLE WT/VOL:

Vs _____ or Wg 51.8 Vf 5000 VI _____

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-008x100

Sample Number: 18

Operator :

Time : 4/11/94 05:08 AM

Study :

1425.9

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

Integrator : NONE

Gain : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 04:38 AM

Sample Size : 0.00 min

Time : 09.00 min

Flow Rate : 0.0000 g/s/sec

Data File : d:\3400\3411018.daw

Int File : d:\3400\3411018.int

Method File : d:\2700\method3\herba.m3

Process File : d:\2700\method3\herba.pro

Base File : d:\2700\method3\herba.bas

Report File : d:\3400\3411018.rpt

Volume :

Count : 0.00

Area Reject : 0.00

Counting Factor : 1.00

DEFAULT REPORT

SR	Area	Height	Area	Norm	Area	Area/Height
(1)	(2)	(3)	(4)	(5)	(6)	(7)
0.17	1127.00	111.11	1.04	0.04	88	3.7998
435	108509.70	17260.30	1.14	1.53	8V	1.8808
551	172097.71	25873.83	1.84	1.84	VV	3.6823
635	58752.10	114210.18	39	89	VR	1.3490
771	22017.00	10088.61	0.31	0.31	BB	2.1824
920	98741.5.81	63383.94	13.94	13.94	RE	6.0436
1081	120448.00	19487.16	1.70	1.70	FV	6.1809
147	48795.40	5024.32	0.69	0.69	VV	9.7503
618	137526.70	10424.75	1.94	1.94	VV	13.1923
955	22140.50	2993.38	0.31	0.31	VV	7.7953
147	14784.16	2297.53	0.35	0.35	VV	10.7873
305	73860.42	2299.02	1.04	1.04	VV	7.9428
505	19103.28	2810.83	0.27	0.27	VV	6.7963
724	34839.30	6717.22	0.49	0.49	VR	5.1860
1226	1592.00	330.38	0.02	0.02	BB	4.8188
687	130844.00	15027.10	1.85	1.85	RV	5.2281
867	46364.25	9694.96	0.66	0.66	VE	4.7823
191	6515.00	955.19	0.09	0.09	FV	6.8192
321	3036.75	578.70	0.04	0.04	VB	5.2476
638	323.00	122.75	0.01	0.01	BB	2.6314
850	1607.05	1.90.41	0.02	0.02	BV	5.5338
992	7680.20	1301.65	0.11	0.11	VV	5.9004
6159	60769.73	9539.27	0.86	0.86	VV	6.3705
6375	138558.69	18855.33	1.96	1.96	VE	4.8018
6546	7499.00	2129.41	0.11	0.11	FV	3.5216
721	6269.00	967.72	0.09	0.09	VV	6.4781
956	7801.05	1151.42	0.11	0.11	VV	6.7752
197	1820.78	334.80	0.03	0.03	VR	5.4384
305	5724.93	1.74.56	0.08	0.08	BV	4.4917
535	42303.43	4830.61	0.60	0.60	VV	8.7574
783	12533.67	2290.35	0.18	0.18	VB	5.4724
801	271.00	201.40	0.01	0.01	BB	7.7511

9 265	16955.00	2960.47	0.24	0.24 BB	5.7271
9 591	1531.00	357.86	0.02	0.02 BB	4.2782
9 759	279.50	116.56	0.00	0.00 BB	2.3980
9 887	4292.55	892.46	0.06	0.06 BV	4.8098
10 036	101809.45	22512.18	1.44	1.44 VE	4.5224
10 280	4456.00	1298.78	0.06	0.06 EB	3.4309
10 384	84890.92	20477.97	1.20	1.20 BE	4.1455
10 593	21910.00	3558.33	0.31	0.31 EV	6.1574
10 719	19648.82	3852.89	0.28	0.28 VE	5.0998
11 009	1540.00	463.62	0.02	0.02 FV	3.3217
11 115	13742.06	3990.82	0.19	0.19 VF	4.4465
11 339	3068.00	117.77	0.01	0.01 ER	2.5427
11 555	400.11	150.22	0.01	0.01 RV	2.6547
11 833	50611.40	11465.32	0.71	0.71 VR	4.4143
12 211	3563.00	1259.85	0.06	0.06 RR	3.6219
12 503	431.35	161.53	0.01	0.01 RV	2.6704
12 761	18111.24	133.77	0.26	0.26 VV	5.7842
12 935	58014.17	9282.24	0.82	0.82 VV	6.2496
13 155	8412.11	2772.77	0.40	0.40 VV	4.5233
13 385	12341.65	3038.77	0.33	0.33 VV	4.6205
13 615	40761.70	11115.77	1.17	1.17 VF	4.7722
13 844	11115.70	289.88	0.12	0.12 FV	4.2199
14 074	11115.70	289.88	0.12	0.12 VV	4.4245
14 304	11115.70	289.88	0.12	0.12 VV	4.6305
14 534	11115.70	289.88	0.12	0.12 VR	4.8353
14 764	11115.70	289.88	0.12	0.12 RV	5.0404
14 994	11115.70	289.88	0.12	0.12 VE	5.2456
15 224	11115.70	289.88	0.12	0.12 VV	5.4507
15 454	11115.70	289.88	0.12	0.12 VV	5.6558
15 684	11115.70	289.88	0.12	0.12 VV	5.8609
15 914	11115.70	289.88	0.12	0.12 VV	6.0660
16 144	11115.70	289.88	0.12	0.12 VV	6.2711
16 374	11115.70	289.88	0.12	0.12 VV	6.4762
16 604	11115.70	289.88	0.12	0.12 VV	6.6813
16 834	11115.70	289.88	0.12	0.12 VV	6.8864
17 064	11115.70	289.88	0.12	0.12 VV	7.0915
17 294	11115.70	289.88	0.12	0.12 VV	7.2966
17 524	11115.70	289.88	0.12	0.12 VV	7.5017
17 754	11115.70	289.88	0.12	0.12 VV	7.7068
17 984	11115.70	289.88	0.12	0.12 VV	7.9119
18 214	11115.70	289.88	0.12	0.12 VV	8.1170
18 444	11115.70	289.88	0.12	0.12 VV	8.3221
18 674	11115.70	289.88	0.12	0.12 VV	8.5272
18 904	11115.70	289.88	0.12	0.12 VV	8.7323
19 134	11115.70	289.88	0.12	0.12 VV	8.9374
19 364	11115.70	289.88	0.12	0.12 VV	9.1425
19 594	11115.70	289.88	0.12	0.12 VV	9.3476
19 824	11115.70	289.88	0.12	0.12 VV	9.5527
20 054	11115.70	289.88	0.12	0.12 VV	9.7578
20 284	11115.70	289.88	0.12	0.12 VV	9.9629
20 514	11115.70	289.88	0.12	0.12 VV	10.1680
20 744	11115.70	289.88	0.12	0.12 VV	10.3731
20 974	11115.70	289.88	0.12	0.12 VV	10.5782
21 204	11115.70	289.88	0.12	0.12 VV	10.7833
21 434	11115.70	289.88	0.12	0.12 VV	10.9884
21 664	11115.70	289.88	0.12	0.12 VV	11.1935
21 894	11115.70	289.88	0.12	0.12 VV	11.3986
22 124	11115.70	289.88	0.12	0.12 VV	11.6037
22 354	11115.70	289.88	0.12	0.12 VV	11.8088
22 584	11115.70	289.88	0.12	0.12 VV	12.0139
22 814	11115.70	289.88	0.12	0.12 VV	12.2190
23 044	11115.70	289.88	0.12	0.12 VV	12.4241
23 274	11115.70	289.88	0.12	0.12 VV	12.6292
23 504	11115.70	289.88	0.12	0.12 VV	12.8343
23 734	11115.70	289.88	0.12	0.12 VV	13.0394
23 964	11115.70	289.88	0.12	0.12 VV	13.2445
24 194	11115.70	289.88	0.12	0.12 VV	13.4496
24 424	11115.70	289.88	0.12	0.12 VV	13.6547
24 654	11115.70	289.88	0.12	0.12 VV	13.8598
24 884	11115.70	289.88	0.12	0.12 VV	14.0649
25 114	11115.70	289.88	0.12	0.12 VV	14.2700
25 344	11115.70	289.88	0.12	0.12 VV	14.4751
25 574	11115.70	289.88	0.12	0.12 VV	14.6802
25 804	11115.70	289.88	0.12	0.12 VV	14.8853
26 034	11115.70	289.88	0.12	0.12 VV	15.0904
26 264	11115.70	289.88	0.12	0.12 VV	15.2955
26 494	11115.70	289.88	0.12	0.12 VV	15.5006
26 724	11115.70	289.88	0.12	0.12 VV	15.7057
26 954	11115.70	289.88	0.12	0.12 VV	15.9108
27 184	11115.70	289.88	0.12	0.12 VV	16.1159
27 414	11115.70	289.88	0.12	0.12 VV	16.3210
27 644	11115.70	289.88	0.12	0.12 VV	16.5261
27 874	11115.70	289.88	0.12	0.12 VV	16.7312
28 104	11115.70	289.88	0.12	0.12 VV	16.9363
28 334	11115.70	289.88	0.12	0.12 VV	17.1414
28 564	11115.70	289.88	0.12	0.12 VV	17.3465
28 794	11115.70	289.88	0.12	0.12 VV	17.5516
29 024	11115.70	289.88	0.12	0.12 VV	17.7567
29 254	11115.70	289.88	0.12	0.12 VV	17.9618
29 484	11115.70	289.88	0.12	0.12 VV	18.1669
29 714	11115.70	289.88	0.12	0.12 VV	18.3720
29 944	11115.70	289.88	0.12	0.12 VV	18.5771
30 174	11115.70	289.88	0.12	0.12 VV	18.7822
30 404	11115.70	289.88	0.12	0.12 VV	18.9873
30 634	11115.70	289.88	0.12	0.12 VV	19.1924
30 864	11115.70	289.88	0.12	0.12 VV	19.3975
31 094	11115.70	289.88	0.12	0.12 VV	19.6026
31 324	11115.70	289.88	0.12	0.12 VV	19.8077
31 554	11115.70	289.88	0.12	0.12 VV	20.0128
31 784	11115.70	289.88	0.12	0.12 VV	20.2179
32 014	11115.70	289.88	0.12	0.12 VV	20.4230
32 244	11115.70	289.88	0.12	0.12 VV	20.6281
32 474	11115.70	289.88	0.12	0.12 VV	20.8332
32 704	11115.70	289.88	0.12	0.12 VV	21.0383
32 934	11115.70	289.88	0.12	0.12 VV	21.2434
33 164	11115.70	289.88	0.12	0.12 VV	21.4485
33 394	11115.70	289.88	0.12	0.12 VV	21.6536
33 624	11115.70	289.88	0.12	0.12 VV	21.8587
33 854	11115.70	289.88	0.12	0.12 VV	22.0638
34 084	11115.70	289.88	0.12	0.12 VV	22.2689
34 314	11115.70	289.88	0.12	0.12 VV	22.4740
34 544	11115.70	289.88	0.12	0.12 VV	22.6791
34 774	11115.70	289.88	0.12	0.12 VV	22.8842
35 004	11115.70	289.88	0.12	0.12 VV	23.0893
35 234	11115.70	289.88	0.12	0.12 VV	23.2944
35 464	11115.70	289.88	0.12	0.12 VV	23.4995
35 694	11115.70	289.88	0.12	0.12 VV	23.7046
35 924	11115.70	289.88	0.12	0.12 VV	23.9097
36 154	11115.70	289.88	0.12	0.12 VV	24.1148
36 384	11115.70	289.88	0.12	0.12 VV	24.3199
36 614	11115.70	289.88	0.12	0.12 VV	24.5250
36 844	11115.70	289.88	0.12	0.12 VV	24.7301
37 074	11115.70	289.88	0.12	0.12 VV	24.9352
37 304	11115.70	289.88	0.12	0.12 VV	25.1403
37 534	11115.70	289.88	0.12	0.12 VV	25.3454
37 764	11115.70	289.88	0.12	0.12 VV	25.5505
37 994	11115.70	289.88	0.12	0.12 VV	25.7556
38 224	11115.70	289.88	0.12	0.12 VV	25.9607
38 454	11115.70	289.88	0.12	0.12 VV	26.1658
38 684	11115.70	289.88	0.12	0.12 VV	26.3709
38 914	11115.70	289.88	0.12	0.12 VV	26.5760
39 144	11115.70	289.88	0.12	0.12 VV	26.7811
39 374	11115.70	289.88	0.12	0.12 VV	26.9862
39 604	11115.70	289.88	0.12	0.12 VV	27.1913
39 834	11115.70	289.88	0.12	0.12 VV	27.3964
40 064	11115.70	289.88	0.12	0.12 VV	27.6015
40 294	11115.70	289.88	0.12	0.12 VV	27.8066
40 524	11115.70	289.88	0.12	0.12 VV	28.0117
40 754	11115.70	289.88	0.12	0.12 VV	28.2168
40 984	11115.70	289.88	0.12	0.12 VV	28.4219
41 214	11115.70	289.88	0.12	0.12 VV	28.6270
41 444	11115.70	289.88	0.12	0.12 VV	28.8321
41 674	11115.70	289.88	0.12	0.12 VV	29.0372
41 904	11115.70	289.88	0.12	0.12 VV	29.2423
42 134	11115.70	289.88	0.12	0.12 VV	29.4474
42 364	11115.70	289.88	0.12	0.12 VV	29.6525
42 594	11115.70	289.88	0.12	0.12 VV	29.8576
42 824	11115.70	289.88	0.12	0.12 VV	30.0627
43 054	11115.70	289.88	0.12	0.12 VV	30.2678
43 284	11115.70	289.88	0.12	0.12 VV	30.4729
43 514	11115.70	289.88	0.12	0.12 VV	30.6780
43 744	11115.70	289.88	0.12	0.12 VV	30.8831
43 974	11115.70	289.88	0.12	0.12 VV	31.0882
44 204	11115.70	289.88	0.12	0.12 VV	31.2933
44 434	11115.70	289.88	0.12	0.12 VV	31.4984
44 664	11115.70	289.88	0.12	0.12 VV	31.7035
44 894	11115.70	289.88	0.12	0.12 VV	31.9086
45 124	11115.70	289.88	0.12	0.12 VV	32.1137
45 354	11115.70	289.88	0.12	0.12 VV	32.3188
45 584	11115.70	289.88	0.12	0.12 VV	32.5239
45 814	11115.70	289.88	0.12	0.12 VV	32.7290
46 044	11115.70	289.88	0.12	0.12 VV	32.9341
46 274	11115.70	289.88	0.12	0.12 VV	33.1392
46 504	11115.70	289.88	0.12	0.12 VV	33.3443
46 734	11115.70	289.88	0.12	0.12 VV	33.5494
46 964	11115.70	289.88	0.12	0.12 VV	33.7545
47 194	11115.70	289.88	0.12	0.12 VV	33.9596
47 424	11115.70	289.88	0.12	0.12 VV	34.1647
47 654	11115.70	289.88	0.12	0.12 VV	34.3698
47 884	11115.70	289.88	0.12	0.12 VV	34.5749
48 114	11115.70	289.88	0.12	0.12 VV	34.7800
48 344	11115.70	289.88	0.12	0.12 VV	34.9851
48 574	11115.70	289.88			

01	20.662	13785.63	2756.16	0.20	0.20 VV	4.0653
02	20.771	18087.50	3826.78	0.26	0.26 VV	5.0018
03	20.884	68708.23	17745.09	0.97	0.97 VE	4.7266
04	20.992	3434.00	1215.33	0.05	0.05 EV	3.8720
05	21.063	2948.00	1255.47	0.04	0.04 VR	2.8256
06	21.165	11486.50	3554.49	0.16	0.16 BB	2.3481
07	21.419	98058.06	15306.06	1.38	1.38 BF	3.2316
08	21.618	11542.00	2122.30	0.16	0.16 EV	6.4065
09	21.745	13480.16	3900.56	0.19	0.19 VV	5.4384
10	21.845	5821.88	1331.87	0.08	0.08 VV	3.4560
11	21.908	19499.91	3259.74	0.28	0.28 VR	4.3712
12	22.076	33070.97	4052.31	0.47	0.47 BF	5.9821
13	22.402	6101.00	1287.00	0.09	0.09 FB	4.1071
14	22.534	604.86	272.30	0.01	0.01 RV	4.7404
15	22.632	13787.06	3116.41	0.20	0.20 VV	2.2213
16	22.738	43699.78	5815.26	0.52	0.52 VV	4.4240
17	22.865	12983.38	4493.14	0.47	0.47 VV	7.5173
18	22.965	54515.39	8496.00	0.77	0.77 VV	7.3408
19	23.044	109691.03	1753.00	1.96	1.96 VV	6.4166
20	23.046	34815.84	3697.00	0.49	0.49 VV	12.3275
21	23.092	68576.00	1000.00	0.00	0.00 VV	7.4181
22	23.017	36990.00	1121.40	0.52	0.52 VV	8.9212
23	23.150	16195.00	1640.00	0.23	0.23 VV	5.1929
24	23.157	15143.04	1000.00	0.26	0.26 VV	4.4400
25	23.258	10000.00	1000.00	0.00	0.00 VV	5.0976
26	23.258	10000.00	1000.00	0.00	0.00 VV	4.0068
27	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
28	23.258	10000.00	1000.00	0.00	0.00 VV	1.4381
29	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
30	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
31	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
32	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
33	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
34	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
35	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
36	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
37	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
38	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
39	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
40	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
41	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
42	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
43	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
44	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
45	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
46	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
47	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
48	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
49	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
50	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
51	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
52	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
53	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
54	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
55	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
56	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
57	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
58	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
59	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
60	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
61	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
62	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
63	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
64	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
65	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
66	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
67	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
68	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
69	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
70	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
71	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
72	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
73	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
74	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
75	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
76	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
77	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
78	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
79	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
80	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
81	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
82	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
83	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
84	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
85	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
86	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
87	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
88	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
89	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
90	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
91	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
92	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
93	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
94	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
95	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
96	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
97	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
98	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
99	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000
100	23.258	10000.00	1000.00	0.00	0.00 VV	1.0000

7083600.50 1.5386 100.00 100.00

Sample Name : 1415-008x100

Sample #: 18

Page 1 of 1

FileName : d:\3400\1411018.raw

Date : 4/11/94 05:08 AM

Start Time : 0.00 min

End Time : 29.00 min

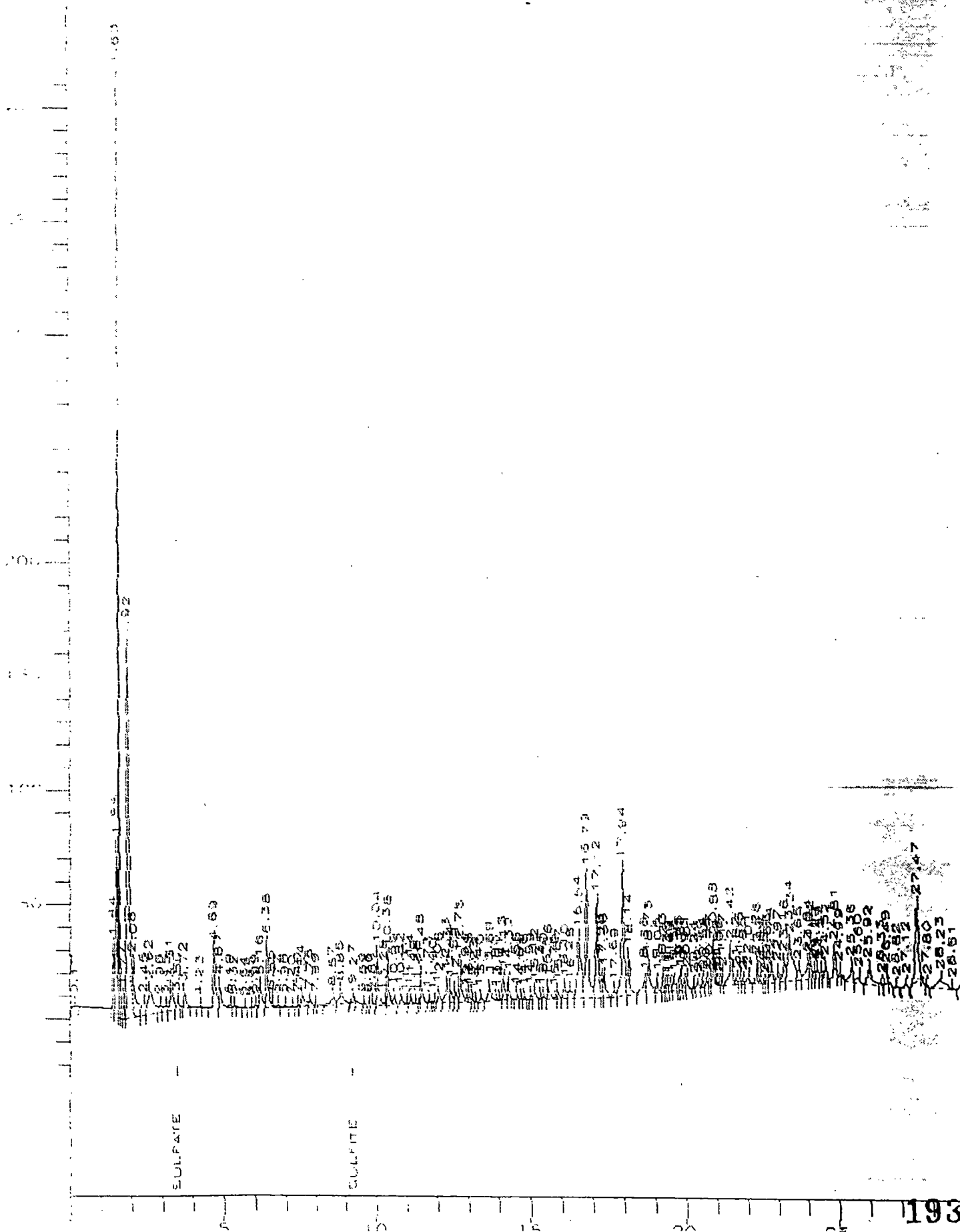
Low Point : -20.71 mV

High Point : 414.29

Scale Factor: 1

Plot Offset: -21 mV

Plot Scale: 435 mV



Sample

DECANTED:

SAMPLE WT/VOL:

Software Version: 3.1 <2A23>

Sample Name : 1415-009x100

Sample Number: 19

Operator :

1425.12

Time : 4/11/94 05:50 AM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

Integrator : NONE

Injection Volume : 0.0

Interface Serial # : 0122572086 Data Acquisition Time: 4/11/94 05:21 AM

Run Time : 0.00 min

Time : 29.00 min

Flow Rate : 1.0000 mL/min

Data File : d:\3400\1415019 raw

Integrator File : d:\3400\1415019 int

Instrument File : d:\2700\methodan\herba ins

Process File : d:\2700\methodan\herba pro

Sample File : d:\2700\methodan\herba samp

Report File : d:\3400\1415019 rep

Volume : 1.00

Area Reject : 0.00

Dilution Factor : 1.00

DEFAULT REPORT

Time [min]	Area [mVsec]	Height [mV]	Area Norm [%]	Area HL [%]	Area/Height [sec]
1.180	8028.00	510.70	0.24	0.24 RR	15.1273
1.434	72861.37	3728.98	2.13	2.13 RV	2.8823
1.552	17471.44	2238.04	7.24	7.24 VR	3.0007
1.766	1792.00	269.04	0.05	0.05 RR	1.4121
1.919	4261.57	1573.15	27.11	27.11 RF	5.8871
2.082	41991.00	15915.90	1.23	1.23 FR	2.6383
2.418	3420.38	549.44	0.10	0.10 RV	6.2252
2.621	19986.00	3001.15	0.88	0.88 VV	3.5604
2.964	2872.48	461.72	0.08	0.08 VR	6.2210
3.200	627.23	110.59	0.02	0.02 RV	5.6666
3.292	538.77	188.72	0.02	0.02 VR	2.8549
3.518	5473.00	1096.90	0.16	0.16 RR	4.9895
3.756	2351.00	509.15	0.07	0.07 RR	4.6175
4.051	1552.95	225.04	0.05	0.05 RV	6.9009
4.218	7220.82	304.59	0.07	0.07 VV	7.2911
4.377	1634.24	347.96	0.05	0.05 VR	4.6967
4.694	29594.38	17188.41	2.62	2.62 RV	5.2125
4.872	95300.10	21336.88	2.79	2.79 VE	4.4665
5.149	6354.00	728.25	0.19	0.19 EV	8.7250
5.323	3366.39	566.24	0.10	0.10 VV	5.9451
5.542	2590.86	731.53	0.08	0.08 VR	11.1902
6.007	5677.59	1004.53	0.17	0.17 RV	5.6520
6.163	28627.73	5388.13	0.84	0.84 VV	5.3131
6.386	6899.03	1523.23	0.20	0.20 VV	4.5292
6.557	2402.12	617.41	0.07	0.07 VV	3.8906
6.735	2489.83	547.72	0.07	0.07 VV	4.5500
6.927	1848.07	312.31	0.05	0.05 VV	5.9174
7.075	372.64	121.05	0.01	0.01 VR	3.0784
7.212	716.00	143.72	0.02	0.02 RR	4.9976
7.405	6558.88	1382.26	0.19	0.19 RV	4.7451
7.545	2913.59	552.72	0.09	0.09 VV	5.2714
7.788	2039.53	288.00	0.06	0.06 VR	7.0814

8.521	1223.01	265.67	0.04	0.04 BB	4.6034
8.829	1301.40	243.66	0.04	0.04 BV	5.3411
8.910	1181.59	352.86	0.04	0.04 VR	3.3486
9.230	4430.94	644.96	0.13	0.13 BV	6.8701
9.511	685.57	115.26	0.02	0.02 VR	5.9483
9.676	232.05	102.79	0.01	0.01 BV	2.2576
9.901	6790.22	765.08	0.20	0.20 VV	8.8752
9.966	5052.29	701.99	0.15	0.15 VV	7.1971
9.994	4329.31	935.43	0.13	0.13 VV	4.6282
9.993	4368.15	1240.40	0.13	0.13 VR	3.5216
9.991	4253.68	913.17	0.13	0.13 BV	5.2310
9.914	21596.93	1127.82	0.63	0.63 VV	6.7962
9.882	9688.51	956.55	0.28	0.28 VV	10.0238
9.827	2007.40	573.75	0.06	0.06 VR	3.5018
9.809	7531.94	558.65	0.22	0.22 BV	13.1244
9.703	8101.50	1189.57	0.24	0.24 VV	6.8116
9.671	2758.33	75.11	0.08	0.08 VV	5.4180
9.638	2529.33	123.25	0.07	0.07 VR	7.3243
9.611	2275.50	352.17	0.13	0.13 BV	5.0108
9.512	10032.48	1186.55	0.29	0.29 BV	6.3212
9.471	11962.41	11.07	0.35	0.35 VV	4.5578
9.396	15737.60	4641.18	0.46	0.46 VR	3.5907
9.366	17806.46	1560.35	0.52	0.52 BV	3.3092
9.347	1196.50	11.07	0.03	0.03 VR	2.1114
9.311	1196.50	11.07	0.01	0.01 BV	1.3111
9.286	1196.50	11.07	0.02	0.02 VR	1.6025
9.266	1196.50	11.07	0.04	0.04 VV	4.1575
9.241	1196.50	11.07	0.03	0.03 VR	4.5484
9.211	19589.59	440.15	0.52	0.52 BV	7.8845
9.156	2755.71	562.14	0.08	0.08 VV	4.1264
9.154	12231.67	540.11	0.10	0.10 VV	6.0164
9.073	3185.12	624.14	0.09	0.09 VR	3.1032
9.009	44913.50	1056.12	1.32	1.32 BV	4.5772
8.982	2769.00	485.03	0.08	0.08 BV	5.7089
8.920	561.00	208.68	0.02	0.02 VV	2.6883
8.903	4804.00	1431.14	0.14	0.14 VR	3.2867
8.824	3780.44	624.91	0.11	0.11 BV	5.6014
8.777	3951.56	614.06	0.12	0.12 VV	6.4352
8.715	849.75	340.29	0.03	0.03 VV	3.5261
8.655	2765.00	56.15	0.03	0.03 VV	4.5933
8.655	4104.25	464.51	0.12	0.12 VR	8.8356
8.613	551.11	35.03	0.02	0.02 BV	3.6015
8.587	2656.88	524.23	0.08	0.08 VR	5.0682
8.500	10080.98	1086.13	0.29	0.29 BV	4.8695
8.486	2462.53	497.88	0.07	0.07 BV	4.9461
8.473	144681.20	15905.76	4.24	4.24 BV	9.0962
8.400	275008.53	42230.73	8.05	8.05 VV	6.5121
8.311	2033.24	74.22	0.06	0.06 VR	3.4332
8.285	8458.91	1113.80	0.25	0.25 BV	7.5946
8.334	10575.49	1816.74	0.31	0.31 VV	5.8211
8.298	60518.41	9807.30	1.77	1.77 VV	6.1708
8.257	33365.19	5325.75	0.98	0.98 VV	6.2649
8.222	10240.42	3597.14	0.30	0.30 VV	6.4093
8.264	29138.05	3360.56	0.85	0.85 VV	8.6706
8.283	3766.94	1041.19	0.11	0.11 VV	3.6179
8.274	10555.51	1941.38	0.31	0.31 VV	5.4371
8.280	2859.09	283.43	0.11	0.11 VR	4.3683
8.246	8602.88	1480.46	0.19	0.19 BV	4.4600
8.177	16200.45	1566.42	0.47	0.47 VV	10.3423
8.177	6703.10	1438.13	0.20	0.20 VV	4.6609
8.166	20994.70	1634.93	0.62	0.62 VV	12.8414
8.142	13128.18	1079.16	0.38	0.38 VV	4.2636
8.114	10579.18	1886.86	0.31	0.31 VE	5.6068

20.384	1423.00	588.50	0.04	0.04 BB	3.6841
20.688	4535.51	1081.17	0.13	0.13 BB	4.1950
20.823	2899.00	934.08	0.09	0.09 BV	3.1036
20.898	21084.00	5986.71	0.62	0.62 VV	3.5218
21.068	3406.00	1122.05	0.10	0.10 VB	3.0355
21.188	4582.00	1087.08	0.13	0.13 BB	4.2150
21.422	3211.00	709.84	0.09	0.09 BB	4.5236
21.536	1079.45	314.41	0.03	0.03 BV	3.4333
21.619	2529.34	616.71	0.07	0.07 VV	4.1013
21.741	7573.34	1152.18	0.22	0.22 VV	6.5730
21.855	23801.05	4373.05	0.70	0.70 VV	9.4427
21.971	15773.34	2856.39	0.46	0.46 VV	5.5212
22.087	11380.95	2184.18	0.35	0.35 VV	4.4396
22.207	28844.22	3151.11	0.84	0.84 VV	9.1534
22.327	22998.46	3389.34	0.67	0.67 VV	6.7857
22.447	12776.38	2382.54	0.57	0.57 VV	5.3627
22.567	34104.45	3143.48	1.00	1.00 VV	10.8493
22.687	23850.36	3107.42	0.70	0.70 VB	7.6819
22.807	14230.09	3061.30	0.42	0.42 BV	4.6484
22.927	669.13	4076.13	0.25	0.25 VV	3.1236
23.047	13508.32	3530.39	0.37	0.37 VV	3.3295
23.167	11234.41	3077.11	0.34	0.34 VV	3.6657
23.287	12511.19	3111.34	0.31	0.31 VV	3.3919
23.407	11992.35	3324.11	0.30	0.30 VV	3.4460
23.527	11111.05	3479.39	0.27	0.27 VV	3.3008
23.647	11111.05	3479.39	0.24	0.24 VV	3.1190
23.767	11111.05	3479.39	0.21	0.21 VV	2.9187
23.887	11111.05	3479.39	0.18	0.18 VB	2.7426
24.007	11111.05	3479.39	0.15	0.15 BV	2.5804
24.127	11111.05	3479.39	0.12	0.12 VV	2.4356
24.247	11111.05	3479.39	0.09	0.09 VB	2.3068
24.367	11111.05	3479.39	0.06	0.06 BB	2.1876
24.487	11111.05	3479.39	0.03	0.03 BB	2.0756
24.607	11111.05	3479.39	0.00	0.00	1.9707
24.727	11111.05	3479.39	0.00	0.00	1.8742
24.847	11111.05	3479.39	0.00	0.00	1.7860
24.967	11111.05	3479.39	0.00	0.00	1.7039
25.087	11111.05	3479.39	0.00	0.00	1.6282
25.207	11111.05	3479.39	0.00	0.00	1.5586
25.327	11111.05	3479.39	0.00	0.00	1.4956
25.447	11111.05	3479.39	0.00	0.00	1.4386
25.567	11111.05	3479.39	0.00	0.00	1.3876
25.687	11111.05	3479.39	0.00	0.00	1.3426
25.807	11111.05	3479.39	0.00	0.00	1.3036
25.927	11111.05	3479.39	0.00	0.00	1.2706
26.047	11111.05	3479.39	0.00	0.00	1.2436
26.167	11111.05	3479.39	0.00	0.00	1.2226
26.287	11111.05	3479.39	0.00	0.00	1.2076
26.407	11111.05	3479.39	0.00	0.00	1.1986
26.527	11111.05	3479.39	0.00	0.00	1.1956
26.647	11111.05	3479.39	0.00	0.00	1.1986
26.767	11111.05	3479.39	0.00	0.00	1.2076
26.887	11111.05	3479.39	0.00	0.00	1.2226
27.007	11111.05	3479.39	0.00	0.00	1.2436
27.127	11111.05	3479.39	0.00	0.00	1.2706
27.247	11111.05	3479.39	0.00	0.00	1.3036
27.367	11111.05	3479.39	0.00	0.00	1.3426
27.487	11111.05	3479.39	0.00	0.00	1.3876
27.607	11111.05	3479.39	0.00	0.00	1.4386
27.727	11111.05	3479.39	0.00	0.00	1.4956
27.847	11111.05	3479.39	0.00	0.00	1.5586
27.967	11111.05	3479.39	0.00	0.00	1.6282
28.087	11111.05	3479.39	0.00	0.00	1.7039
28.207	11111.05	3479.39	0.00	0.00	1.7860
28.327	11111.05	3479.39	0.00	0.00	1.8742
28.447	11111.05	3479.39	0.00	0.00	1.9707
28.567	11111.05	3479.39	0.00	0.00	2.0756
28.687	11111.05	3479.39	0.00	0.00	2.1876
28.807	11111.05	3479.39	0.00	0.00	2.3068
28.927	11111.05	3479.39	0.00	0.00	2.4356
29.047	11111.05	3479.39	0.00	0.00	2.5804
29.167	11111.05	3479.39	0.00	0.00	2.7426
29.287	11111.05	3479.39	0.00	0.00	2.9187
29.407	11111.05	3479.39	0.00	0.00	3.1190
29.527	11111.05	3479.39	0.00	0.00	3.3496
29.647	11111.05	3479.39	0.00	0.00	3.6057
29.767	11111.05	3479.39	0.00	0.00	3.8919
29.887	11111.05	3479.39	0.00	0.00	4.2150
29.967	11111.05	3479.39	0.00	0.00	4.5736
30.087	11111.05	3479.39	0.00	0.00	4.9730
30.207	11111.05	3479.39	0.00	0.00	5.4136
30.327	11111.05	3479.39	0.00	0.00	5.8956
30.447	11111.05	3479.39	0.00	0.00	6.4186
30.567	11111.05	3479.39	0.00	0.00	6.9826
30.687	11111.05	3479.39	0.00	0.00	7.5876
30.807	11111.05	3479.39	0.00	0.00	8.2336
30.927	11111.05	3479.39	0.00	0.00	8.9206
31.047	11111.05	3479.39	0.00	0.00	9.6486
31.167	11111.05	3479.39	0.00	0.00	10.4176
31.287	11111.05	3479.39	0.00	0.00	11.2286
31.407	11111.05	3479.39	0.00	0.00	12.0816
31.527	11111.05	3479.39	0.00	0.00	12.9766
31.647	11111.05	3479.39	0.00	0.00	13.9136
31.767	11111.05	3479.39	0.00	0.00	14.8926
31.887	11111.05	3479.39	0.00	0.00	15.9136
31.967	11111.05	3479.39	0.00	0.00	16.9766
32.087	11111.05	3479.39	0.00	0.00	18.0816
32.207	11111.05	3479.39	0.00	0.00	19.2286
32.327	11111.05	3479.39	0.00	0.00	20.4176
32.447	11111.05	3479.39	0.00	0.00	21.6486
32.567	11111.05	3479.39	0.00	0.00	22.9206
32.687	11111.05	3479.39	0.00	0.00	24.2336
32.807	11111.05	3479.39	0.00	0.00	25.5876
32.927	11111.05	3479.39	0.00	0.00	26.9826
33.047	11111.05	3479.39	0.00	0.00	28.4176
33.167	11111.05	3479.39	0.00	0.00	29.8926
33.287	11111.05	3479.39	0.00	0.00	31.4076
33.407	11111.05	3479.39	0.00	0.00	32.9626
33.527	11111.05	3479.39	0.00	0.00	34.5576
33.647	11111.05	3479.39	0.00	0.00	36.1926
33.767	11111.05	3479.39	0.00	0.00	37.8676
33.887	11111.05	3479.39	0.00	0.00	39.5826
33.967	11111.05	3479.39	0.00	0.00	41.3376
34.087	11111.05	3479.39	0.00	0.00	43.1326
34.207	11111.05	3479.39	0.00	0.00	44.9676
34.327	11111.05	3479.39	0.00	0.00	46.8426
34.447	11111.05	3479.39	0.00	0.00	48.7576
34.567	11111.05	3479.39	0.00	0.00	50.7126
34.687	11111.05	3479.39	0.00	0.00	52.7076
34.807	11111.05	3479.39	0.00	0.00	54.7426
34.927	11111.05	3479.39	0.00	0.00	56.8176
35.047	11111.05	3479.39	0.00	0.00	58.9326
35.167	11111.05	3479.39	0.00	0.00	61.0876
35.287	11111.05	3479.39	0.00	0.00	63.2826
35.407	11111.05	3479.39	0.00	0.00	65.5176
35.527	11111.05	3479.39	0.00	0.00	67.7926
35.647	11111.05	3479.39	0.00	0.00	70.1076
35.767	11111.05	3479.39	0.00	0.00	72.4626
35.887	11111.05	3479.39	0.00	0.00	74.8576
35.967	11111.05	3479.39	0.00	0.00	77.2926
36.087	11111.05	3479.39	0.00	0.00	79.7676
36.207	11111.05	3479.39	0.00	0.00	82.2826
36.327	11111.05	3479.39	0.00	0.00	84.8376
36.447	11111.05	3479.39	0.00	0.00	87.4326
36.567	11111.05	3479.39	0.00	0.00	90.0676
36.687	11111.05	3479.39	0.00	0.00	92.7426
36.807	11111.05	3479.39	0.00	0.00	95.4576
36.927	11111.05	3479.39	0.00	0.00	98.2126
37.047	11111.05	3479.39	0.00	0.00	101.0076
37.167	11111.05	3479.39	0.00	0.00	103.8426
37.287	11111.05	3479.39	0.00	0.00	106.7176
37.407	11111.05	3479.39	0.00	0.00	109.6326
37.527	11111.05	3479.39	0.00	0.00	112.5876
37.647	11111.05	3479.39	0.00	0.00	115.5826
37.767	11111.05	3479.39	0.00	0.00	118.6176
37.887	11111.05	3479.39	0.00	0.00	121.6926
37.967	11111.05	3479.39	0.00	0.00	124.8076
38.087	11111.05	3479.39	0.00	0.00	127.9626
38.207	11111.05	3479.39	0.00	0.00	131.1576
38.327	11111.05	3479.39	0.00	0.00	134.3926
38.447	11111.05	3479.39	0.00	0.00	137.6676
38.567	11111.05	3479.39	0.00	0.00	140.9826
38.687	11111.05	3479.39	0.00	0.00	144.3376
38.807	11111.05	3479.39	0.00	0.00	147.7326
38.927	11111.05	3479.39	0.00	0.00	151.1676
39.047	11111.05	3479.39	0.00	0.00	154.6426
39.167	11111.05	3479.39	0.00	0.00	158.1576
39.287	11111.05	3479.39	0.00	0.00	161.7126
39.407	11111.05	3479.39	0.00	0.00	165.3076
39.527	11111.05	3479.39	0.00	0.00	168.9426
39.647	11111.05	3479.39	0.00	0.00	172.6176
39.767	11111.05	3479.39	0.00	0.00	176.3326
39.887	11111.05	3479.39	0.00	0.00	180.0876
39.967	11111.05	3479.39	0.00	0.00	183.8826
40.087	11111.05	3479.39	0.00	0.00	187.7176
40.207	11111.05	3479.39	0.00	0.00	191.5926
40.327	11111.05	3479.39	0.00	0.00	195.5076
40.447	11111.05	3479.39	0.00	0.00	199.4626
40.567	11111.05	3479.39	0.00	0.00	203.4576
40.687	11111.05	3479.39	0.00	0.00	207.4926
40.807	11111.05	3479.39	0.00	0.00	211.5676
40.927	11111.05	3479.39	0.00	0.00	215.6826
41.047	11111.05	3479.39	0.00	0.00	219.8376
41.167	11111.05	3479.39	0.00	0.00	224.0326
41.287	11				

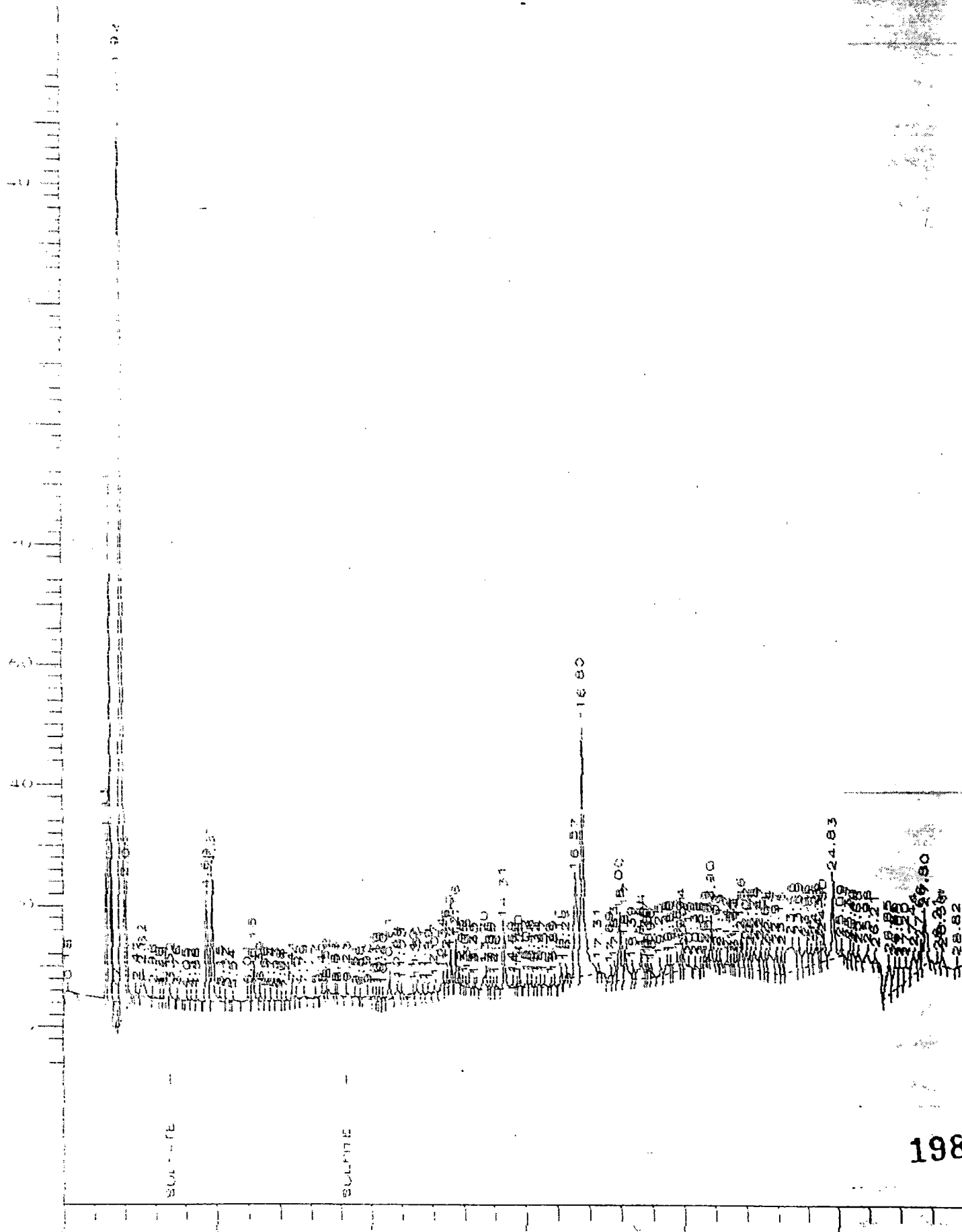
Sample Name : 1415-009x100
 FileName : d:\3400\411019.raw
 Start Time : 0.00 min
 Scale Factor: 1

End Time : 29.00 min
 Plot Offset: -8 mV

Sample #: 19
 Date : 4/11/94 05:50 AM
 Low Point : -7.90 mV
 Plot Scale: 166 mV

Page 1 of 1

High Point : 158.07



Sample

SAMPLE WT/VOL:

[illegible]

Vs _____ or Wg 58.7 Vf 5000 Vi 1

Vs = volume of water extracted (mL) Vf = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-010x100

Sample Number: 20

Operator :

Time : 4/11/94 06:32 AM

(Study :

1425.14

Instrument : VARIAN 3400 FCD

Channel : A

A/D mV Range : 1000

Integrator : NONF

Backlash : 0/0

Serial # : 0122572086 Data Acquisition Time: 4/11/94 06:03 AM

Time : 0.00 min

Time : 09.00 min

Rate : 1.0000 pps/sec

Data File : d:\3400\411000.raw

Int File : d:\3400\411020.int

Integr File : d:\2700\methodan\herba.int

Proc File : d:\2700\methodan\herba.pro

Out File : d:\2700\methodan\herba.out

Integr File : d:\3400\411000.int

Time : 0.00

Area Reject : 0.00

Integration : 1.00

Integration Factor : 1.00

DEFAULT REPORT

Time (min)	Area (div*sec)	Height (div)	Area (div)	Area (div)	Area (div)	Area/Height (sec)
1.60	8503.00	55.11	0.11	0.11	RR	15.4009
4.56	103899.65	26.11	1.40	1.40	RV	7.7513
5.53	283917.53	149.10	3.82	3.82	VV	3.1861
5.77	59504.34	110.09	0.30	0.30	VR	1.7349
7.68	4132.00	23.96	0.06	0.06	RR	1.7239
9.21	954231.63	132.35	12.87	12.87	RF	6.0285
10.83	112148.00	187.55	1.51	1.51	RV	3.9795
11.6	49145.11	21.10	0.56	0.56	VV	10.3394
16.54	82667.17	151.19	0.11	0.11	VV	16.1490
19.63	27033.71	24.18	0.36	0.36	VV	11.1790
23.09	26206.07	157.68	0.35	0.35	VV	16.6189
25.23	6253.01	11.40	0.08	0.08	VR	5.4823
27.40	7951.33	152.61	0.11	0.11	RV	5.2290
30.54	2135.66	29.05	0.03	0.03	VV	7.1414
32.36	4413.00	85.28	0.06	0.06	VV	5.1742
35.67	992.00	20.93	0.01	0.01	VR	4.7378
38.99	60685.28	113.34	0.82	0.82	RV	5.3539
40.73	27802.14	60.51	0.37	0.37	VF	4.5945
43.98	3974.00	88.81	0.05	0.05	EV	4.4748
45.54	5209.44	70.27	0.07	0.07	VV	7.4133
47.20	2979.14	35.18	0.04	0.04	VR	5.5562
48.11	3923.00	52.53	0.05	0.05	RV	7.4763
50.164	32685.00	55.82	0.44	0.44	VV	5.8552
51.85	50909.00	126.73	0.82	0.82	VE	4.3041
53.1	1843.00	67.20	0.03	0.03	EV	2.9385
54.29	1791.00	30.69	0.02	0.02	VR	5.8342
56.2	3640.00	61.84	0.05	0.05	RR	5.8856
57.04	1260.00	28.30	0.02	0.02	RR	4.4519
58.15	1319.10	38.05	0.05	0.05	RV	4.8772
59.1	25785.47	261.06	0.35	0.35	VV	9.8566
60.93	14700.89	139.04	0.20	0.20	VV	6.1499
61.73	2027.14	37.55	0.15	0.15	RR	4.4519

14959.74	1722.29	0.20	0.20	VV	8.6746
14960.88	1782.22	0.20	0.20	VV	8.3945
18396.52	1606.11	0.25	0.25	VB	11.4541
1872.02	433.65	0.03	0.03	BB	4.3168
3199.82	901.91	0.04	0.04	RV	3.5478
1156.68	442.43	0.02	0.02	VB	2.6144
2742.85	668.22	0.04	0.04	RV	4.1047
57241.15	11317.73	0.77	0.77	VF	5.0577
3835.00	1090.58	0.05	0.05	EB	3.5165
59700.00	10817.05	0.71	0.71	BF	4.3098
10575.00	1717.05	0.14	0.14	EB	5.1755
10760.00	6664.00	0.25	0.25	VB	5.6187
1147.09	413.25	0.02	0.02	RV	1.2447
0412.78	1422.55	0.35	0.35	VF	4.9488
4214.00	632.31	0.05	0.05	RV	5.6645
10361.90	1734.97	0.14	0.14	VB	5.9725
14998.71	1619.40	0.54	0.54	VF	9.5437
18513.91	3126.92	0.25	0.25	VB	1.2278
22155.21	3126.90	0.10	0.10	VV	1.2714
15547.15	4127.72	0.37	0.37	VF	1.7723
2945.30	1017.17	0.10	0.10	VB	5.1487
10700.00	1070.00	0.05	0.05	VB	5.0815
10329.71	10329.71	0.37	0.37	VB	5.2939
10329.71	10329.71	0.37	0.37	VB	5.6111
10329.71	10329.71	0.37	0.37	VB	1.176
10329.71	10329.71	0.37	0.37	VB	1.181
10329.71	10329.71	0.37	0.37	VB	5.508
10329.71	10329.71	0.37	0.37	VB	5.6505
11214.00	1804.50	0.42	0.42	BB	-4.0000
1491.98	806.59	0.05	0.05	BB	4.1277
3348.33	911.17	0.05	0.05	RV	1.5740
5705.42	1126.91	0.04	0.04	VB	4.8951
17047.05	2715.29	0.21	0.21	VB	5.2744
5597.27	1092.94	0.08	0.08	VB	4.3125
1726.10	1418.28	0.10	0.10	VB	5.4524
18873.49	2991.01	0.25	0.25	VB	5.5101
15939.58	1887.11	0.21	0.21	VB	5.9830
208982.11	4116.73	0.08	0.08	VB	9.4626
16250.11	1437.21	0.31	0.31	VF	5.3585
102734.00	5012.45	0.44	0.44	VB	5.4790
14870.02	11160.12	0.01	0.01	VB	5.6889
14865.84	3522.54	0.20	0.20	VB	4.4705
27945.21	1517.11	0.31	0.31	VB	7.8383
4886.73	1151.01	0.07	0.07	RV	4.2454
4273.33	479.12	0.06	0.06	VB	4.5618
153684.53	22727.29	2.07	2.07	VB	5.7620
11778.58	6327.10	0.43	0.43	VF	5.0226
1083.00	155.24	0.02	0.02	VB	5.0487
9196.96	1591.79	0.12	0.12	RV	5.7777
20005.76	4229.14	0.27	0.27	VB	4.7193
112640.92	22145.42	0.52	0.52	VB	5.0864
3506.95	1029.63	0.05	0.05	VB	5.2184
6103.43	1886.71	0.08	0.08	VB	5.2350
8802.03	1195.12	0.12	0.12	BB	7.3635
19205.00	1467.17	0.26	0.26	RV	5.5388
10633.00	1582.06	0.14	0.14	VB	4.6492
1032.17	500.55	0.01	0.01	RV	2.0621
4529.84	1667.00	0.06	0.06	VB	2.7250
1013.50	1942.98	0.04	0.04	BB	5.11961
570.00	296.50	0.01	0.01	BB	1.9237
108	109	0.10	0.10	RV	5.4883
12502.38	1617.91	0.17	0.17	VB	4.7757

100	20.072	10174.34	4155.27	0.22	0.22 VV	--3.8992
101	21.007	3303.67	937.87	0.04	0.04 VV	3.5225
102	21.078	4719.21	1172.66	0.06	0.06 VV	4.0244
103	21.166	7062.17	1532.93	0.10	0.10 VB	4.6070
104	21.431	28439.36	3619.78	0.38	0.38 BV	7.8567
105	21.621	9951.89	1757.94	0.13	0.13 VV	5.6611
106	21.754	22841.45	6589.17	0.31	0.31 VV	3.4665
107	22.017	1877719.88	560070.56	25.25	25.25 VV	3.3527
108	22.286	80030.34	14562.10	1.08	1.08 VE	5.4958
109	22.534	8275.00	1552.28	0.11	0.11 EV	5.3309
110	22.706	19823.03	3757.16	0.27	0.27 VV	5.2761
111	22.767	23392.73	3588.50	0.32	0.32 VV	6.5188
112	22.982	52821.98	6681.32	0.71	0.71 VV	7.9059
113	23.359	175584.13	7324.52	2.36	2.36 VV	23.9721
114	23.827	18597.65	3538.44	0.25	0.25 VV	5.2559
115	23.954	45216.45	7629.44	0.61	0.61 VV	5.9266
116	24.042	27215.03	5819.39	0.37	0.37 VV	4.6766
117	24.169	79344.94	15018.49	1.07	1.07 VV	5.2832
118	24.388	25793.73	5112.26	0.35	0.35 VV	5.0450
119	24.534	18183.92	2960.66	0.25	0.25 VB	6.1418
120	24.721	35947.61	7759.90	0.75	0.75 BV	7.2108
121	25.072	26171.38	3340.60	0.35	0.35 VV	7.8194
122	25.350	93544.89	12794.50	1.26	1.26 VV	7.3113
123	25.432	17163.01	3593.18	0.23	0.23 VV	4.7791
124	25.514	35935.50	3537.00	0.48	0.48 VB	5.6707
125	25.734	47211.20	3562.07	0.64	0.64 BV	5.5094
126	25.961	50753.50	3917.01	0.68	0.68 VV	5.6388
127	26.175	12022.13	3003.15	0.23	0.23 VV	5.5006
128	26.336	15672.20	1936.13	0.18	0.18 VV	7.0628
129	26.490	14687.60	1603.96	0.20	0.20 VV	5.5868
130	26.663	79530.69	16784.81	1.07	1.07 VB	5.7694
131	27.019	42447.16	7052.66	0.57	0.57 BV	6.0186
132	27.116	56745.25	7819.85	0.76	0.76 VV	7.2567
133	27.484	592640.25	84854.24	7.97	7.97 VF	6.9842
134	27.768	24272.00	3387.01	0.33	0.33 EV	7.2068
135	28.154	33661.88	3313.52	0.45	0.45 VV	10.1589
136	28.335	38132.27	3756.65	0.51	0.51 VF	10.1506
137	28.616	2594.00	566.42	0.04	0.04 FB	4.5796
138	28.763	396.00	147.91	0.01	0.01 BB	2.6773

7436407.50

1.5086 100.00

100.00

Chromatogram

Sample Name : 1415-010x100

FileName : d:\3400\411020.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 29.00 min

Plot Offset: -29 mV

Sample #: 20

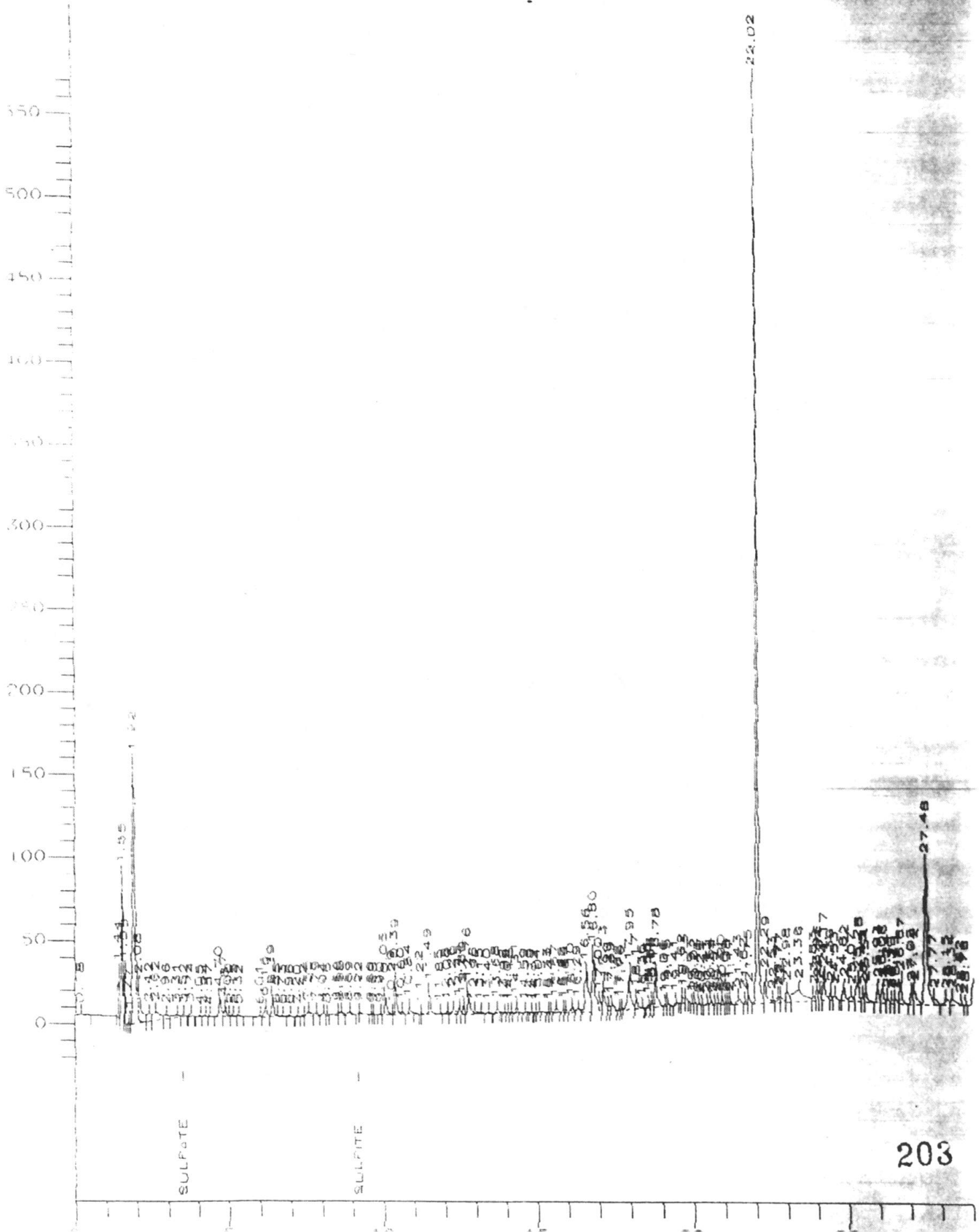
Date : 4/11/94 06:33 AM

Low Point : -28.70 mV

Plot Scale: 603 mV

Page 1 of 1

High Point : 574.03



Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-011

SAMPLE MATRIX: Liquid

EXTRACTION METHOD:

ANALYTICAL METHOD #: 8150

PERCENT MOISTURE: (Not Decanted)

DATA RELEASE AUTHORIZED BY:

DECANTED:

CASE NUMBER: P.O. R4-0567

CONTRACT No.:

DATE SAMPLE RECEIVED: 03/21/94

DATE EXTRACTED/PREPARED: 3/23/94

DATE ANALYZED: 04/11/94

CONC./DIL/FACTOR: 1

SAMPLE WT/VOL:

[illegible]

Vs 1000 or Wg Vf 5000 Vi 1

V_s = volume of water extracted (mL) V_f = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-011 trip blank

Sample Number: 9

Operator :

Time : 4/10/94 10:48 PM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Blank/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/10/94 10:19 PM

Delay Time : 0.00 min.

Run Time : 29.00 min.

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\1411009.raw

Result File : d:\3400\1411009.rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.pro

Sample File : d:\2700\methdan\herba.smp

Report File : D:\3400\1411HERB.seq

Sample Volume : 1 ul

Area Reject : 0.00

Sample Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

PK	Time [min]	Area [uV*sec]	Height [uV]	Area Norm. [%]	Area RL [%]	Area/Height [sec]
1	0.157	10093.00	686.01	0.03	0.03 RR	14.7127
2	0.497	2609428.00	593508.88	6.66	6.66 RV	4.3966
3	1.625	4791631.00	1.07e6	12.22	12.22 VV	4.4575
4	1.758	5082148.00	1.00e6	12.96	12.96 VV	5.0441
5	1.908	8288942.00	1.04e6	21.14	21.14 VR	7.9649
6	2.324	84918.77	28591.91	0.22	0.22 RV	2.9700
7	2.391	164152.72	51073.66	0.42	0.42 VR	3.2140
8	2.671	1392540.00	618160.94	3.55	3.55 RR	2.2527
9	2.937	18944.04	5818.70	0.05	0.05 RR	3.2557
10	3.155	32740.00	7015.61	0.08	0.08 RR	4.6667
11	3.333	234138.00	86515.08	0.60	0.60 RR	2.7063
12	3.503	173148.00	56414.72	0.44	0.44 RR	3.0692
13	3.646	87158.00	26771.99	0.22	0.22 BB	3.2556
14	3.784	40309.00	12813.52	0.10	0.10 RR	3.1458
15	3.939	28347.40	8684.09	0.07	0.07 RV	3.2643
16	4.055	28334.60	5820.84	0.07	0.07 VR	4.8678
17	4.186	10430.03	3603.92	0.03	0.03 BB	2.8941
18	4.340	64312.97	21605.92	0.16	0.16 BB	2.9766
19	4.568	10721.23	3421.32	0.03	0.03 RV	3.1337
20	4.674	53322.42	9368.35	0.14	0.14 VV	5.6918
21	4.841	156124.88	35990.52	0.40	0.40 VE	4.3379
22	5.005	21187.00	4927.38	0.05	0.05 EB	4.2999
23	5.354	28314.21	4399.99	0.07	0.07 RV	6.4351
24	5.446	14798.26	3136.64	0.04	0.04 VV	4.7179
25	5.558	7594.64	2091.41	0.02	0.02 VV	3.6314
26	5.651	12783.90	3111.25	0.03	0.03 VV	4.1089
27	5.853	14496.16	3055.57	0.04	0.04 VV	4.7442
28	5.953	417243.47	112254.73	1.06	1.06 VV	3.7169
29	6.169	566646.50	125408.91	1.45	1.45 VV	4.5184
30	6.264	106377.42	26027.51	0.27	0.27 VV	4.0871
31	6.374	148657.75	29172.80	0.38	0.38 VV	5.0958
32	6.547	331071.56	79845.84	0.85	0.85 VE	4.4445

5	7.100	65705.96	15489.71	0.17	0.17 VV	4.2419
6	7.183	135245.34	28713.53	0.35	0.35 VV	4.7102
37	7.390	135493.44	21916.36	0.35	0.35 VV	6.1823
38	7.514	158276.28	18566.45	0.40	0.40 VV	8.5249
9	7.669	65726.75	15180.58	0.17	0.17 VV	4.3297
40	7.789	152119.20	16915.85	0.39	0.39 VV	8.9927
41	7.973	119811.83	24831.71	0.31	0.31 VV	4.8250
2	8.112	346561.09	46258.38	0.88	0.88 VV	7.4919
3	8.312	105940.52	21170.59	0.27	0.27 VV	5.0041
4	8.379	97528.61	17495.04	0.25	0.25 VV	5.5746
5	8.493	30081.56	10170.74	0.08	0.08 VV	2.9577
6	8.564	68956.41	10506.46	0.18	0.18 VV	6.5632
7	8.807	155485.75	18263.69	0.40	0.40 VV	8.5134
8	9.000	47142.01	10992.73	0.12	0.12 VV	4.2885
9	9.140	80887.11	15048.94	0.21	0.21 VV	5.3749
1	9.267	1210706.75	272866.97	3.09	3.09 VE	4.4370
2	9.467	62041.00	12534.27	0.16	0.16 FV	4.9497
3	9.592	54626.00	11070.13	0.14	0.14 VV	4.9345
4	9.724	40715.81	8028.79	0.10	0.10 VV	5.0712
5	9.851	60044.31	3203.38	0.15	0.15 VV	7.3195
6	9.990	3097.58	3097.58	0.02	0.02 VV	2.5753
7	10.070	5126.44	1979.31	0.01	0.01 VR	2.5900
8	10.160	17643.94	6087.49	0.05	0.05 RV	2.8984
9	10.243	40095.68	10163.10	0.10	0.10 VV	3.9452
1	10.372	78609.21	16236.25	0.20	0.20 VV	4.8416
2	10.465	3322.13	5196.09	0.09	0.09 VV	5.4586
3	10.503	4772.27	1288.86	0.01	0.01 VV	3.7028
4	10.635	60105.29	5762.45	0.08	0.08 VV	5.2244
5	10.779	21503.88	6477.02	0.06	0.06 VR	3.3200
6	11.142	40944.73	8501.88	0.08	0.08 RV	3.6398
7	11.230	85083.63	18875.05	0.22	0.22 VE	4.5077
8	11.368	3054.00	971.89	0.01	0.01 EV	3.1423
9	11.521	43456.16	7155.55	0.11	0.11 VR	6.0731
1	11.797	10302.83	1575.32	0.03	0.03 RV	6.5402
2	11.925	28425.94	4906.22	0.07	0.07 VV	5.7939
3	12.067	79706.41	9084.91	0.20	0.20 VV	8.7735
4	12.209	55617.81	13532.55	0.14	0.14 VV	4.1099
5	12.319	130913.34	31261.83	0.33	0.33 VV	4.1876
6	12.434	67748.53	15414.30	0.17	0.17 VV	4.3952
7	12.583	40144.17	9900.15	0.10	0.10 VR	4.0549
8	12.751	66819.00	12368.07	0.17	0.17 BB	5.4025
9	13.104	40793.33	6465.98	0.10	0.10 RV	6.3089
1	13.288	13822.53	2440.16	0.04	0.04 VV	5.6646
2	13.388	8869.19	2117.80	0.02	0.02 VR	4.1879
3	13.639	11274.02	2940.96	0.03	0.03 BR	3.8335
4	13.808	35737.70	8614.11	0.09	0.09 BV	4.1487
5	13.900	45738.26	7884.31	0.12	0.12 VV	5.8012
6	14.002	15644.29	5288.61	0.04	0.04 VV	2.9581
7	14.084	70387.60	11288.10	0.18	0.18 VV	6.2356
8	14.270	83377.39	9644.90	0.21	0.21 VV	8.6447
9	14.396	32663.12	6195.05	0.08	0.08 VV	5.2725
1	14.574	255072.09	24145.35	0.65	0.65 VV	10.5640
2	14.997	66584.06	7374.18	0.17	0.17 VV	9.0294
3	15.142	52065.47	7138.05	0.13	0.13 VV	7.2941
4	15.389	38288.47	9567.22	0.10	0.10 VR	4.0021
5	15.650	20638.61	2910.79	0.05	0.05 BV	7.0904
6	15.740	8671.27	2127.86	0.02	0.02 VV	4.0751
7	15.857	29664.11	6098.49	0.08	0.08 VR	4.8642
8	16.039	9242.03	2997.64	0.02	0.02 BB	3.0831
9	16.193	32942.44	7939.70	0.08	0.08 BV	4.1491
1	16.267	24949.44	6796.49	0.06	0.06 VR	3.6709
2	16.519	254345.06	41663.78	0.65	0.65 BB	6.1047
3	16.783	1669785.88	531974.63	4.26	4.26 BB	3.1388

100	17.207	26202.07	5665.11	0.07	0.07 BV	4.6781
1	17.352	26235.02	6667.97	0.07	0.07 VV	3.9345
2	17.531	3012.01	881.25	0.01	0.01 VV	3.4179
103	17.649	3674.92	1200.29	0.01	0.01 VB	3.0617
4	17.832	25547.80	5982.27	0.07	0.07 BV	4.2706
5	17.982	561714.81	151785.00	1.43	1.43 VV	3.7007
6	18.151	155408.41	35758.10	0.40	0.40 VE	4.3461
07	18.311	9623.00	2251.97	0.03	0.03 EB	4.2732
8	18.511	54311.34	13535.81	0.14	0.14 BV	4.0124
9	18.609	95424.00	19984.07	0.24	0.24 VV	4.7750
0	18.759	43054.69	7352.28	0.11	0.11 VV	5.8560
1	19.007	109807.05	19077.51	0.28	0.28 VV	5.7558
2	19.111	28566.91	6773.67	0.07	0.07 VR	4.2174
3	19.297	11985.53	3246.25	0.03	0.03 BV	3.6921
4	19.373	12758.83	2428.07	0.03	0.03 VV	5.2547
5	19.582	353745.53	101654.27	0.90	0.90 VE	3.4799
6	19.724	15745.00	3923.25	0.04	0.04 EB	4.0133
7	19.895	10388.88	2931.16	0.03	0.03 RV	3.5443
8	20.002	44367.13	11860.23	0.11	0.11 VV	3.7408
9	20.082	10777.00	3202.48	0.03	0.03 VV	3.3652
0	20.235	197362.00	44758.76	0.50	0.50 VR	4.4095
1	20.335	50490.44	13116.05	0.13	0.13 RV	3.8495
2	20.672	93067.78	17883.83	0.24	0.24 VV	5.2040
3	20.898	470877.19	125710.23	1.21	1.21 VV	3.7616
4	20.939	92391.05	21529.24	0.24	0.24 VV	4.2913
5	21.170	53947.27	15059.94	0.14	0.14 VV	3.5822
6	21.274	13301.11	3312.21	0.04	0.04 VV	4.0654
7	21.401	6269.63	1458.57	0.02	0.02 VV	4.2985
8	21.483	15651.27	3265.08	0.04	0.04 VV	4.7935
9	21.577	4675.89	1423.49	0.01	0.01 VV	3.2848
0	21.706	25035.44	7282.09	0.06	0.06 VV	3.4380
1	21.811	18569.47	3928.81	0.05	0.05 VR	4.7265
2	22.000	22381.42	7378.91	0.06	0.06 BR	3.0332
3	22.207	20098.42	5565.63	0.05	0.05 BV	3.6112
4	22.263	14042.59	4928.87	0.04	0.04 VV	2.8491
5	22.408	36959.45	10225.71	0.09	0.09 VR	3.6144
6	22.629	21415.77	3454.53	0.06	0.06 BV	6.1993
7	22.700	12972.43	3313.88	0.03	0.03 VV	3.9146
8	22.791	20021.84	4836.19	0.05	0.05 VV	4.1400
9	22.921	84681.17	17068.11	0.22	0.22 VV	4.9614
0	23.105	379487.91	95735.27	0.97	0.97 VE	3.9639
1	23.213	41050.00	12021.92	0.11	0.11 EV	3.4146
2	23.334	52530.00	10268.32	0.13	0.13 VV	5.1157
3	23.443	313090.81	62529.57	0.80	0.80 VV	5.0071
4	23.674	84776.67	11347.28	0.22	0.22 VV	7.4711
5	23.903	30050.85	5399.68	0.08	0.08 VV	5.5653
6	24.017	20707.25	3463.20	0.05	0.05 VR	5.9792
7	24.281	9905.36	2167.04	0.03	0.03 BV	4.5709
8	24.384	5574.70	1699.01	0.01	0.01 VV	3.2812
9	24.505	42705.41	5735.76	0.11	0.11 VV	7.4455
0	24.657	40086.91	7073.87	0.10	0.10 VV	5.6669
1	24.807	253442.27	42641.24	0.65	0.65 VE	5.9436
2	24.982	19361.00	4427.73	0.05	0.05 EV	4.3727
3	25.095	110792.41	21984.58	0.28	0.28 VE	5.0396
4	25.234	26923.00	3835.87	0.07	0.07 EB	7.0188
5	25.550	8576.02	1641.32	0.02	0.02 BB	5.2251
6	25.772	7986.98	1588.42	0.02	0.02 BV	5.0282
7	25.974	133633.69	18466.52	0.34	0.34 VV	7.2365
8	26.171	109871.50	7909.07	0.28	0.28 VR	13.8918
9	26.626	38096.56	3973.84	0.10	0.10 BV	9.5868
0	26.821	33554.27	4285.04	0.09	0.09 VV	7.8306
1	26.977	35551.93	3949.37	0.09	0.09 VV	9.0019
2	27.244	67302.58	4926.39	0.17	0.17 VV	13.6617
3	27.647	856486.19	96312.34	2.19	2.19 VV	8.8928

Chromatogram

Sample Name : 1415-011 trip blank

FileName : d:\3400\1411009.raw

Start Time : 0.00 min

End Time : 29.00 min

Scale Factor: 1

Plot Offset: -45 mV

Sample #: 9

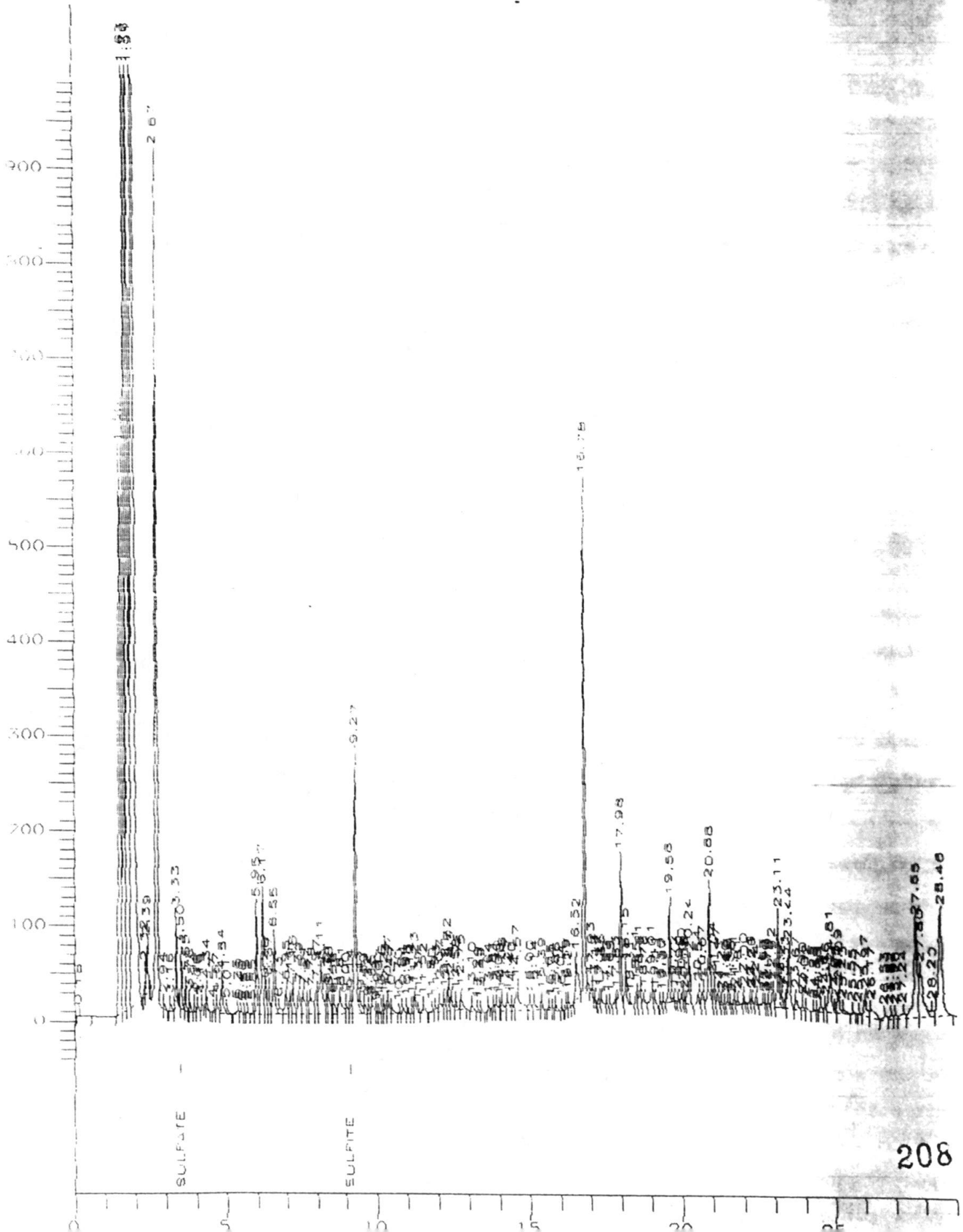
Date : 4/10/94 10:48 PM

Low Point : -45.02 mV

Plot Scale: 1045 mV

Page 1 of 1

High Point: 1000.00



HERBICIDE BLANK

Sample

LABORATORY NAME: Princeton Testing Labs

LAB SAMPLE ID No.: 9401415-001-B

CASE NUMBER: P.O. R4-0567

SAMPLE MATRIX: Soil/Solid

CONTRACT No.:

EXTRACTION METHOD:

DATE SAMPLE RECEIVED: 03/21/94

ANALYTICAL METHOD #: 8150

DATE EXTRACTED/PREPARED: 3/23/94

PERCENT MOISTURE: (Not Decanted)

DATE ANALYZED: 04/11/94

DATA RELEASE AUTHORIZED BY:

CONC./DIL/FACTOR: 1

DECANTED:

SAMPLE WT/VOL:

Vs ~~1000~~ 940 or Wg 60.2 Vf 5000 Vi 1

V_s = volume of water extracted (mL) V_f = volume of total extract (uL)

Wg = Weight of sample extracted (g) Vi = volume of extract injected (uL)

Software Version: 3.1 <2A23>

Sample Name : 1415-blank

Sample Number: 8

Operator :

Time : 4/10/94 10:06 PM

Study :

Instrument : VARIAN 3400 ECD

Channel : A

A/D mV Range : 1000

AutoSampler : NONE

Check/Vial : 0/0

Interface Serial # : 0122572086 Data Acquisition Time: 4/10/94 09:36 PM

Delay Time : 0.00 min

Run Time : 29.00 min

Sampling Rate : 1.0000 pts/sec

Raw Data File : d:\3400\A411008.raw

Result File : d:\3400\A411008.rst

Instrument File: d:\2700\methdan\herba.ins

Process File : d:\2700\methdan\herba.pro

Sample File : d:\2700\methdan\herba.smp

Sequence File : D:\3400\0411HERB seq

Sample Volume : 1.001

Area Reject : 0.00

Sample Amount : 1.0000

Dilution Factor : 1.00

DEFAULT REPORT

Peak	Time [min]	Area [uV*sec]	Height [uV]	Area [%]	Norm. Area [%]	Area BL	Area/Height [sec]
1	0.166	10293.00	600.77	0.03	0.03	BB	17.1330
2	1.554	608665.50	245319.25	1.49	1.49	BB	2.4811
3	1.772	27877.00	11960.02	0.07	0.07	BB	2.3309
4	1.923	1251204.00	225893.17	3.07	3.07	BB	5.5389
5	2.346	15768.66	3732.97	0.04	0.04	BV	4.2242
6	2.451	19172.62	3662.14	0.05	0.05	VV	5.2354
7	2.605	2274890.25	344974.88	5.58	5.58	VB	6.5944
8	2.956	10050.00	2884.06	0.03	0.03	BB	3.4847
9	3.126	7472.49	2132.15	0.02	0.02	BV	3.5047
10	3.369	35413.49	6730.92	0.09	0.09	VV	5.2613
11	3.514	73403.49	15280.80	0.18	0.18	VB	4.8036
12	3.726	530156.31	68693.16	1.30	1.30	BE	7.7177
13	4.057	71006.00	6688.43	0.17	0.17	EV	10.6163
14	4.242	22381.90	4117.94	0.06	0.06	VV	5.4352
15	4.394	145809.28	35685.32	0.36	0.36	VV	4.0860
16	4.780	2191644.00	318722.28	5.37	5.37	VV	6.8763
17	4.893	963492.06	260372.31	2.36	2.36	VE	3.7004
18	4.997	192908.00	33482.96	0.47	0.47	EV	5.7614
19	5.361	64970.52	13487.92	0.16	0.16	VV	4.8169
20	5.536	83671.94	14788.70	0.21	0.21	VB	5.6578
21	5.779	14451.00	4139.44	0.04	0.04	BB	3.4911
22	6.004	116091.23	21778.43	0.29	0.29	BV	5.3306
23	6.173	129009.73	27270.95	0.32	0.32	VB	4.7307
24	6.383	2055.00	1072.41	0.01	0.01	BB	1.9163
25	6.492	7951.15	2646.18	0.02	0.02	BV	3.0048
26	6.583	109229.86	25965.23	0.27	0.27	VB	4.2068
27	6.735	3414.00	1131.29	0.01	0.01	BB	3.0178
28	6.978	25850.52	6780.44	0.06	0.06	BE	3.8125
29	7.092	4015.00	1108.18	0.01	0.01	EV	3.6231
30	7.205	57245.98	14802.70	0.14	0.14	VB	3.8673
31	7.405	31323.28	6173.86	0.08	0.08	BV	5.0735

04	8.584	363814.28	47623.77	0.90	0.90 VV	7.6810
5	8.574	469053.38	81605.73	1.15	1.15 VE	5.7478
5	8.814	31431.00	8472.93	0.08	0.08 EB	3.7096
37	8.993	4160.00	1395.75	0.01	0.01 BB	2.9805
3	9.220	349864.00	89522.79	0.86	0.86 BB	3.9081
9	9.605	19454.00	5532.36	0.05	0.05 BV	3.5164
40	9.679	17994.00	5216.96	0.04	0.04 VV	3.4491
1	9.777	6191.00	1935.35	0.02	0.02 VV	3.1989
2	9.875	73325.00	14321.71	0.18	0.18 VB	5.1199
1	10.057	7255.85	1878.98	0.02	0.02 RV	3.8616
4	0.191	68276.44	19860.18	0.17	0.17 VV	3.4379
5	0.356	250725.06	62102.18	0.62	0.62 VV	4.0373
5	10.420	497177.63	152814.30	1.22	1.22 VV	3.2535
7	0.603	35693.38	9461.39	0.09	0.09 VV	3.7725
6	0.711	58233.81	17728.33	0.14	0.14 VB	3.2848
9	0.823	273978.44	62833.15	0.67	0.67 RV	4.3604
1	11.021	18837.59	6808.93	0.05	0.05 VB	2.7666
1	1.137	226599.77	48864.43	0.56	0.56 RV	4.6373
1	1.406	86497.95	23188.55	0.21	0.21 VV	3.7302
1	1.506	94021.75	23735.63	0.23	0.23 VV	3.9612
1	1.719	386857.47	98213.89	0.95	0.95 VE	3.9389
1	1.849	36357.00	10912.33	0.09	0.09 FB	3.3317
2	2.054	145538.02	30751.03	0.36	0.36 RV	4.7328
2	2.327	252349.27	40212.33	0.62	0.62 VV	6.2754
2	2.462	94284.77	10299.67	0.23	0.23 VB	4.8853
2	2.640	22249.84	5875.50	0.08	0.08 RV	3.6336
2	2.742	4819321.00	110586	11.82	11.82 VE	4.5813
2	2.943	12844.60	42.84	0.03	0.03 FB	1.8854
3	3.133	1249420.63	377701.31	3.06	3.06 RV	3.3080
3	3.287	404748.31	112586.20	0.99	0.99 VE	3.5957
3	3.414	46129.00	16490.82	0.11	0.11 FB	2.7973
3	3.656	798451.44	206174.39	1.96	1.96 BE	3.8727
3	3.829	22782.00	7252.14	0.06	0.06 EB	3.1414
3	3.962	9915.95	3257.92	0.02	0.02 BB	3.0437
4	4.083	4153.59	2215.45	0.01	0.01 BB	1.8748
4	4.303	182834.16	30377.80	0.45	0.45 RV	6.0187
4	4.412	107910.00	29231.21	0.27	0.27 VV	3.6916
4	4.544	808488.50	201746.20	1.98	1.98 VE	4.0075
4	4.709	66618.00	18189.50	0.16	0.16 EV	3.6624
4	4.863	316120.00	52903.23	0.78	0.78 VV	5.9754
5	5.020	61220.00	13598.21	0.15	0.15 VV	4.5021
5	5.106	119095.00	30202.37	0.29	0.29 VV	3.9432
5	5.186	79737.50	20138.11	0.20	0.20 VV	3.9595
5	5.317	27057.50	6681.09	0.07	0.07 VV	4.0499
5	5.408	502768.97	127271.48	1.23	1.23 VE	3.9504
5	5.578	26380.00	6440.46	0.07	0.07 EV	4.0960
5	5.682	15745.00	4675.96	0.04	0.04 VV	3.3672
5	5.780	141779.00	44965.41	0.35	0.35 VV	3.1531
5	5.869	155091.83	46685.12	0.38	0.38 VV	3.3221
5	5.972	36591.66	12366.87	0.09	0.09 VV	2.9589
6	6.040	62022.81	13494.58	0.15	0.15 VB	4.5961
6	6.281	86000.00	16246.48	0.21	0.21 BB	5.2935
6	6.437	29102.78	7028.85	0.07	0.07 BV	4.1405
6	6.538	253429.47	50242.86	0.62	0.62 VB	5.0441
6	6.806	1485197.13	454884.69	3.64	3.64 BE	3.2650
6	6.901	186902.00	59897.73	0.46	0.46 EV	3.1204
7	7.016	90949.14	21318.97	0.22	0.22 VV	4.2661
7	7.138	49317.69	12335.73	0.12	0.12 VB	3.9980
7	7.300	66693.88	18475.00	0.16	0.16 RV	3.6100
7	7.412	60304.22	10182.61	0.15	0.15 VB	5.9223
7	7.517	760025.88	249326.05	1.86	1.86 BB	3.0483
7	7.945	413332.09	148495.13	1.01	1.01 BB	2.7835
8	8.173	161218.22	33615.62	0.40	0.40 BB	4.7959
7	8.372	31272.75	9846.22	0.08	0.08 RV	3.1761

1	1	18.901	2267021.25	562523.63	5.56	5.56	VV	4.9328
1	2	19.261	65274.00	14911.78	0.16	0.16	BB	4.0301
1	3	19.429	120257.72	39161.48	0.30	0.30	BV	4.3773
1	4	19.606	370962.31	101541.10	0.91	0.91	VE	3.0708
1	5	19.749	20038.00	6586.39	0.05	0.05	EB	3.6533
1	6	19.910	100007.00	22973.69	0.25	0.25	BB	3.0423
1	7	20.030	40729.03	13645.81	0.10	0.10	BB	4.3531
1	8	20.185	51843.11	15348.71	0.13	0.13	BV	2.9847
1	9	20.248	57208.11	21757.56	0.14	0.14	VB	3.3777
1	0	20.369	310487.00	100624.91	0.76	0.76	BB	2.6293
1	1	20.568	8417.50	3780.32	0.02	0.02	BV	3.0856
1	2	20.693	123230.66	23172.65	0.30	0.30	VV	2.2267
1	3	20.819	250969.97	67777.05	0.62	0.62	VV	5.3179
1	4	20.901	229126.42	78236.47	0.56	0.56	VV	3.7029
1	5	21.064	100243.31	24301.11	0.25	0.25	VV	2.9286
1	6	21.185	71421.09	15859.76	0.18	0.18	VV	4.1251
1	7	21.352	11354.19	3743.71	0.03	0.03	VV	4.5033
1	8	21.436	40240.97	11113.94	0.10	0.10	VR	3.0329
1	9	21.594	5215.00	1799.82	0.01	0.01	BB	3.6208
1	0	21.753	13693.39	4173.03	0.03	0.03	RV	2.8975
1	1	21.841	46910.83	12862.58	0.12	0.12	VR	3.2814
1	2	22.023	202854.00	47902.81	0.50	0.50	RE	3.6471
1	3	22.160	26209.00	7998.34	0.06	0.06	EV	4.2347
1	4	22.335	68477.50	11841.56	0.17	0.17	VE	3.2768
1	5	22.438	5377.00	1606.32	0.01	0.01	EV	5.7828
1	6	22.627	47748.50	6720.47	0.12	0.12	VV	3.3474
1	7	22.836	57908.00	15338.23	0.14	0.14	VR	7.1049
1	8	22.955	59956.00	9647.52	0.15	0.15	RR	3.7754
1	9	23.028	16834.70	6787.63	0.04	0.04	RR	6.2147
1	0	23.187	42442.13	6947.53	0.10	0.10	RV	2.4802
1	1	23.292	32305.84	4728.43	0.08	0.08	VB	6.1090
1	2	23.482	40123.84	7645.95	0.10	0.10	BB	6.8323
1	3	23.688	20947.97	6830.78	0.05	0.05	RR	5.2477
1	4	23.913	55316.09	10500.05	0.14	0.14	RV	3.0667
1	5	24.047	34304.45	8209.79	0.08	0.08	VV	5.2682
1	6	24.147	44551.36	8293.71	0.11	0.11	VV	4.1785
1	7	24.292	4961298.00	1.02e6	12.17	12.17	VE	5.3717
1	8	24.679	58841.00	9071.21	0.14	0.14	EV	4.8464
1	9	24.830	164270.28	24577.23	0.40	0.40	VB	6.4866
1	0	25.100	71532.16	12855.34	0.18	0.18	RV	6.6838
1	1	25.223	12263.41	2738.17	0.03	0.03	VV	5.5644
1	2	25.375	358076.41	71744.99	0.88	0.88	VB	4.4787
1	3	25.588	11640.03	2533.80	0.03	0.03	BB	4.9910
1	4	25.767	5214.03	1847.96	0.01	0.01	BB	4.5939
1	5	25.983	54098.34	6851.94	0.13	0.13	RV	2.8215
1	6	26.154	55343.22	8173.43	0.14	0.14	VV	7.8953
1	7	26.259	104605.89	11520.52	0.26	0.26	VB	6.7711
1	8	26.509	5821.04	1732.31	0.01	0.01	BB	9.0800
1	9	26.671	26485.41	4783.51	0.07	0.07	BV	3.3603
1	0	26.844	40435.02	6007.17	0.10	0.10	VV	5.5368
1	1	27.017	443035.63	60896.63	1.09	1.09	VE	6.7311
1	2	27.256	13969.00	2681.37	0.03	0.03	EB	7.2752
1	3	27.641	103925.16	9220.03	0.26	0.26	BB	5.2097
1	4	28.067	57387.94	6439.22	0.14	0.14	BV	11.2717
1	5	28.385	85606.25	6168.62	0.21	0.21	VV	8.9123
1	6	28.582	176901.75	19299.77	0.43	0.43	VV	13.8777
1	7	28.861	53717.09	6772.82	0.13	0.13	VB	9.1660

40783896.00

9.18e6 100.00

100.00

Sample Name : 1415-blank

FileName : d:\3400\4411008.raw

Start Time : 0.00 min

Scale Factor: 1

End Time : 29.00 min

Plot Offset: -50 mV

Sample #: 8

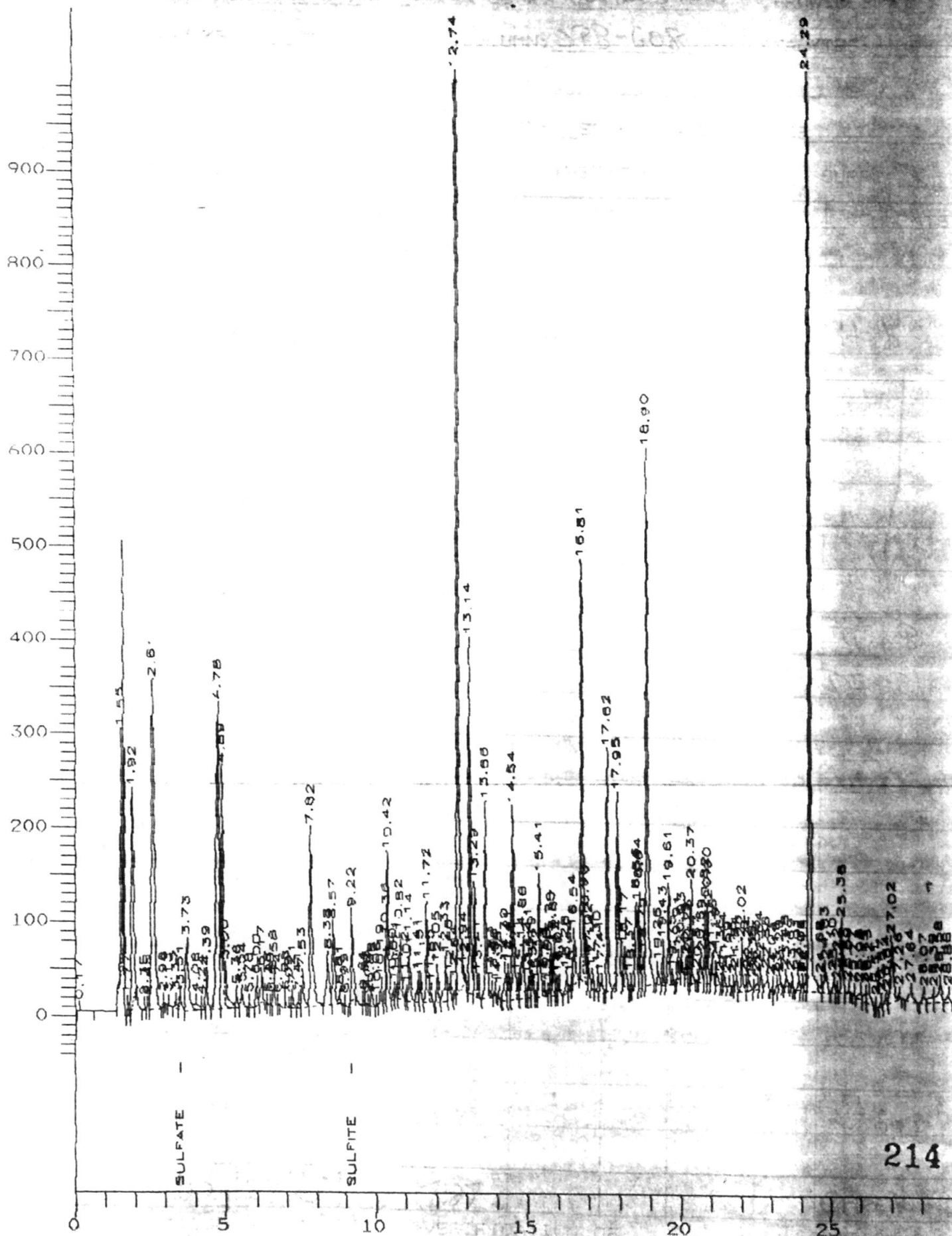
Date : 4/10/94 10:06 PM

Low Point : -50.00 mV

Plot Scale: 1050 mV

Page 1 of 1

High Point : 1000.00



INITIAL & CONTINUING GC CALIBRATION DATA
(EXTERNAL STANDARD CALIBRATION)

Page 1 of 1

LABORATORY NAME: Princeton Testis
CONTRACT No: 9401415
CAL PERFORMED BY: DAVO'CONNOR
ANALYSIS DATE: 4/10/94
ANALYSIS TIME: 5:23 - 8:54
LABORATORY ID: Herbicide Curve
CONC: VARIED

CASE NUMBER: _____
GC COLUMN: SPB-608
GC INSTRUMENT ID: Variar 8400
ANALYSIS DATE: 4/11/94
ANALYSIS TIME: 7:27 AM
LABORATORY ID: Herbicide Check
CONC: VARIABLE

[illegible]

** CONF=CONFIRMATION (<20.0% DIFF) QUANT= QUANTITATION (<15% DIFF)
 ANSWER YES/NO FOR CONF OR QUANT COLUMN
 NJDEPE FORM G-11 (9/91)

(EXTERNAL STANDARD CALIBRATION)

CONTRACT No: 9401415

CASE NUMBER:

MAXIMUM % RSD: 1.5%

CALIBRATION PERFORMED BY: Dan O'Leary

[illegible]

C FAC. = CALIBRATION FACTOR

Laboratory must identify for each analyte what data file was utilized to generate the calibration factor.

A typed page listing the fias and analytes is required and must follow this page.

INITIAL CALIBRATION FILE REFERENCE

LABORATORY NAME: PRINCETON TESTING LABORATORY

INSTRUMENT ID: VARIAN 3400

COLUMN ID: SPB-608

CONTRACT NUMBER: 9401415

CASE NUMBER:

CALIBRATION BY: *Dr. O'Leary*

DESIGNATION	RUN DATE	TIME	FILE NAME
LEVEL 1	4110194 ↓	5:03 PM	d:\3400\411002
LEVEL 2		6:05 PM	d:\3400\411003
LEVEL 3		6:47 PM	d:\3400\411004
LEVEL 4		7:29 PM	d:\3400\411005
LEVEL 5		8:10 PM	d:\3400\411006
Level 6		8:54 PM	d:\3400\411007

Because of differences in analyte response, a higher level was required for certain herbicides, only five were used in determining each %RSP.

princeton testing
laboratory inc.

GC DEPARTMENT INSTRUMENT LOG

DATE: 4/10/94

GC #: Varian 3400

CHRONICLE # _____

ANALYST: Dan O

COLUMN: SPB-608

ANALYTES: _____

SPV. : _____

TEMP PROG: _____

BATCH: _____

MATRIX: SOIL WATER OTHER

FOR PEST/PCB: SURR1=DBC SURR2=TCMX FOR OTHER: SURR1= _____ SURR2= _____

NAME	RUN #	RAK #	UI INJ	DATE	TIME	SURR1 RT	%D	SURR2 RT	%D	COMMENTS
Hexane	1	1	1	4/10/94						
Herb 5	2	2			5:23 PM					Herb Curve
Herb 10	3	3			6:05 PM					
Herb 20	4	4			6:47					
Herb 30	5	5			7:29 PM					
Herb 50	6	6			8:12 PM					
Herb 100	7	7			8:54					Trip Blnd DE SPIKE
1415-Blnd	8	8			9:36					
1415-011	9	9			10:19					
1415-LCS	10	10			11:01					
1415-001 X100	11	11	✓		11:43					
002 X100	12	12		4/11/94	12:25 AM					
003 X100	13	13			1:07					
004 X100	14	14			1:50					
005 X100	15	15			2:32					
006 X100	16	16			3:14					
007 X100	17	17			3:56					
008 X100	18	18			4:38					
009 X100	19	19			5:21					
010 X100	20	20			6:03					
1602 X10	21	21			6:45					218
Herb 20	22	22	✓	✓	7:27					Check

* VALUES OUTSIDE GC LIMITS

** VERIFICATION OF

CALIBRATION CURVE

DI Water Spike Recovery Data

Test: Herbicide

Client: NEW RECORD

Project No.: 9401415-001

Lab Sample I.D.: MS

Client Sample I.D.: Blank Spike

Analyst: Dan O'Connor

Instrument: VARIAN 3400 SPB-608

Units: ug/l

QC Batch Number:

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MATRIX SPIKE CONCENTRATION	MS % REC	QC LIMITS REC
2,4-D	2	0	0.04	32.00	30-150
2,4-DB	2	0	0.42	21.00	20-150
2,4,5-T	.2	0	0.078	39.00	20-150
2,4,5-TP (Silvex)	.2	0	0.096	48.00	20-150
Dalapon	5	0	2.65	53.00	20-150
Dicamba	.2	0	0.072	36.00	20-150
Dinoseb	1	0	0.42	42.00	20-150
MCPA	200	0	76	38.00	20-150
MCPP	200	0	102	51.00	20-150

Because of the amount of dilutions required for these samples,
A Blank Spike is the only reportable Herbicide QC spike.