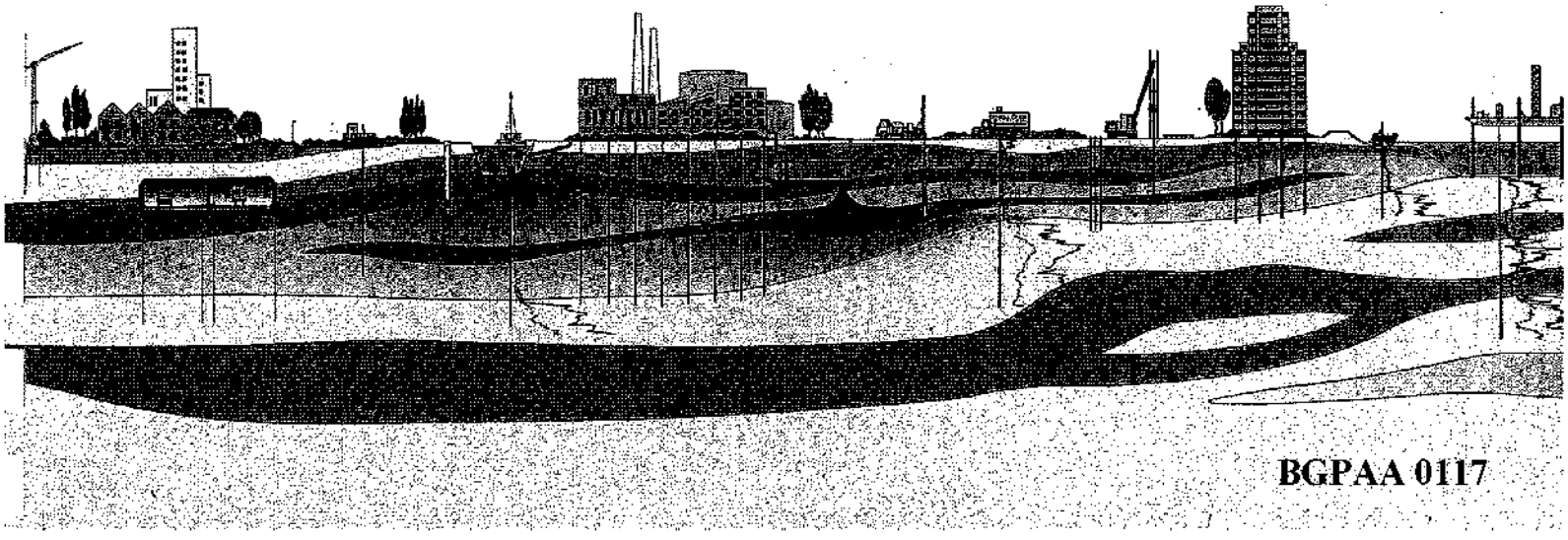
SDMS DOCID# 1109906

FUGRO WEST, INC.

SUPPLEMENTAL SOIL VAPOR SURVEYS
SIX SITES
BURBANK-GLENDALE-PASADENA AIRPORT
BURBANK, CALIFORNIA

Prepared for:
BURBANK-GLENDALE-PASADENA AIRPORT AUTHORITY
Work Order No. 18.1, Document No. 7

January 1996



BGPAA 0117

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January 29, 1996
Project No. 95-36-1101
Work Order No. 18.1, Document No. 7

Burbank-Glendale-Pasadena Airport Authority
2627 Hollywood Way
Burbank, California 91505

Attention: Mr. Dan Feger

Supplemental Soil Vapor Surveys
Six Sites
Burbank-Glendale-Pasadena Airport
Burbank, California

Dear Mr. Feger:

Fugro West, Inc. (Fugro) is pleased to submit the results of supplemental soil vapor surveys conducted between December 19 and 22, 1995, at six sites at the Burbank-Glendale-Pasadena Airport. This work was conducted in accordance with our work plan dated November 28, 1995, amended by the State of California, Regional Water Quality Control Board's (RWQCB) approval letter dated December 11, 1995. All work was conducted under the supervision of a California-registered geologist and in accordance with the RWQCB protocol for the Well Investigation Program (WIP).

We appreciate the opportunity to be of service on this project. Should you have any questions or comments regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

FUGRO WEST, INC.

Alison L. Canning
Senior Environmental Geologist

Jerome K. Summerlin, CEG
Senior Geologist

REGISTERED GEOLOGIST
JEROME K. SUMMERLIN
EG NO. 1950
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

AC:sdf
Copies Submitted: (1)
c: Regional Water Quality Control Board, Los Angeles Region, Attn: Mr. Hubert Kang (3)

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BGPAA 0119

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BGPAA 0120

INTRODUCTION

This report presents the results of supplemental soil vapor surveys conducted by Fugro West, Inc. (Fugro) at the following six sites at the Burbank-Glendale-Pasadena Airport located in Burbank, California:

1. "Old Trapper's" Property
2. Former American Drug and Chemical Company
3. Former Paint Shop
4. Former Bo Jamison Company Wash Rack
5. Former Civil Air Patrol Fire Training Pit
6. Former Bunker Simulated Gasoline Fire Training Pit

This assessment consisted of shallow soil vapor sample collection and analysis from the above-listed six areas at the airport. All work was conducted under the supervision of a Fugro California-registered geologist and in accordance with the State of California, Regional Water Quality Control Board (RWQCB) protocol for the Well Investigation Program (WIP). The work was also conducted in accordance with the *Soil Vapor Survey Work Plan* prepared by Fugro, dated November 28, 1995, amended by the RWQCB's approval letter dated December 11, 1995 (Appendix A - RWQCB Correspondence).

BACKGROUND

The Burbank Airport is situated in the northwesternmost corner of the City of Burbank (Plate 1 - Vicinity Map). The six assessment sites are shown on Plate 2 - Burbank-Glendale-Pasadena Airport Plan. Individual assessment sites are illustrated on Plates 3 through 8 - Soil Gas Survey Locations. A brief description of each site is presented below, followed by a summary of previous assessment work.

Site Descriptions

The "Old Trapper's" Property is located on the northern side of the airport at 10340 Keswick Street in Sun Valley, California. The site is bound by San Fernando Road to the north, Arvilla Avenue to the east, the "Hazel Martin" property to the south, and property of the Burbank Airport to the west. The site is currently leased to a company that uses the site to park film studio on-location dressing trailers. A gasoline station was formerly located on the northwestern corner of the intersection of Arvilla Avenue and Keswick Street.

The Former American Drug and Chemical Company is located on the northern side of the airport. The site is bound by San Fernando Road to the north, property of the Burbank Airport to the east, Plastic Pipe and Fittings Company to the south, and light industrial/commercial property to the west. The property is currently used as a maintenance yard for the Airport and includes a maintenance office and associated sump, a shed and associated car wash clarifier, a diesel fuel pump, and a paint storage area. The site is approximately 260 feet by 480 feet in area. This property was formerly used for the storage and manufacture of drugs and chemicals. Three vertical aboveground storage tanks utilized to store unknown contents were formerly located on the site.

The Former Paint Shop area is located at the northern end of the north-south runway at the airport and is approximately 150 by 200 feet in area. This property was formerly used as a paint storage and use area, but is currently vacant. A concrete foundation from the former building remains on the property.

The Former Bo Jamison Company Wash Rack area is located on the northwestern corner of the intersection of the two runways at the airport and is currently covered by a taxiway. This area was formerly used for washing, repair, and maintenance of aircraft. A 200-foot by 200-foot pad for washing drained to a clarifier. In 1990, this clarifier was cleaned, found to be intact, and removed.

The Former Civil Air Patrol Fire Pit is located on the western end of the airport near Building 1A, the westernmost of the Mercury Air Center buildings. The site is bound to the north by a service road and to the south by railroad tracks. The pit area is approximately 200 feet by 300 feet and is currently used for parking airplanes. This area was originally part of California Air Guard property and was formerly used to train personnel in fighting airplane fires.

The Former Bunker Simulated Gasoline Fire Pit is located on the western end of the airport. The site is bound to the north by a service road, to the south by railroad tracks, and to the west by Vineland Avenue. The pit area is approximately 150 feet by 350 feet and is currently used for parking airplanes. This area was originally part of California Air Guard property and was formerly used to train personnel in fighting gasoline fires.

Previous Environmental Assessment Activities

A.L. Burke Engineers, Inc. (Burke) conducted an assessment of the "Old Trapper's" Property in 1987 that included historical research, a geophysical survey, collection and analysis of soil samples, and collection and analysis of air/gas samples from "swollen ground" over cesspools and septic systems. The results of this assessment were presented in a Burke report titled *Environmental Evaluation*, dated December 1987.

In June 1990, Burke completed a soil boring and sampling program at several locations at the airport, including the Former American Drug and Chemical Company, the Former Paint Shop, the Former Bo Jamison Company Wash Rack, the Former Civil Air Patrol Fire Pit, and the Former Bunker Simulated Gasoline Fire Pit. The results of this assessment were presented in a Burke report titled *Final Report on Site Characterization Phase I: Soil Sampling*, dated June 1990.

In 1991, at the RWQCB's request, Burke contracted Target Environmental Services, Inc. (Target) to conduct additional assessment at four locations at the airport: the Former American Drug and Chemical Company, the Former Paint Shop, the Former Civil Air Patrol Fire Pit, and the Former Bunker Simulated Gasoline Fire Pit. The results of this assessment were presented in a Target report titled *Soil Gas Survey*, dated August 1991.

In September 1991, Burke conducted an additional soil boring and sampling program to confirm the soil vapor survey results at three locations at the airport: the Former American Drug and Chemical Company, the Former Civil Air Patrol Fire Pit, and the Former Bunker Simulated Gasoline Fire Pit. The results of this assessment were presented in a Burke report titled *Summary of Results, Soil Gas Surveys and Confirmatory Borings, Burbank-Glendale-Pasadena Airport*, dated October 21, 1991.

Based on the results of these previous assessments, the RWQCB issued a letter dated October 25, 1995, which requested that additional soil vapor data be collected at specific locations to supplement and confirm the above assessment results.

In response to this RWQCB request, Fugro conducted soil vapor surveys at the various sites in December 1995. This report presents the results of the surveys.

Regional Geology and Hydrogeology

The site is located in the southeastern portion of the San Fernando Valley on an alluviated surface that slopes gently south and southeasterly toward the Los Angeles River Narrows. The area is underlain by an estimated 600 feet of Plio-Pleistocene to Holocene age sediments, which rest on Tertiary age sedimentary rocks and igneous and metamorphic basement rocks.

The site is located within the San Fernando Valley ground water basin, the largest of the four ground water basins in the San Fernando Valley. The San Fernando Valley basin is separated from the other three basins (Sylmar, Verdugo, and Eagle Rock ground water basins) by faults and folds in older non-water-bearing rocks. Regional ground water generally moves parallel to the surface drainage patterns, which are from west to east across the San Fernando basin, and then southward through the Los Angeles River Narrows.

Based on a review of various reports prepared for sites around the airport, ground water in the vicinity of the airport has been measured at depths of 205 to 240 feet and flows toward the south-southeast

SITE ASSESSMENT METHODOLOGY

Prefield Activities

Fugro personnel met with Mr. Alex Carlos of the RWQCB on December 11, 1995 to conduct a site visit of the Former American Drug and Chemical Company site and to discuss the additional sample collection locations requested by the RWQCB in their approval letter. On December 14, 1995, all sampling locations were marked and the areas cleared with a magnetometer. Underground Service Alert was also notified.

Soil Vapor Survey Methodology

Hydro Geo Chem, Inc. (HGC) of Huntington Beach, California, conducted the soil vapor survey on December 19 through 22, 1995, under the supervision of a Fugro engineer. The soil vapor survey was conducted in accordance with the RWQCB, WIP *Requirements for Active Soil Gas Investigation* (March 1994). All samples were analyzed for the presence of chemical compounds on the WIP document analyte list, which is a subset of the EPA Methods 8010/8020 analyte list.

Survey Design. Soil vapor samples were collected from the locations and depths specified by the RWQCB and outlined in Table 1 - Sampling Locations. Approximate sampling locations are illustrated on Plates 3 through 8, along with previous sample locations. In addition to the 38 shallow locations specified in the RWQCB's December 11, 1995 approval letter, two additional, deeper samples were collected at selected locations, based on field data.

A site-specific purge volume versus concentration test was conducted at the first sampling point (SV-38). Samples were collected at one, three, and five purge volumes. The concentrations increased as the purge volumes increased. Based on these results and a conversation with Mr. Carlos, five purge volumes were used throughout the survey.

Soil Vapor Sampling Procedures. The samples were collected from soil vapor probes, constructed of 1-3/8-inch, outside-diameter, nickel-plated steel rods tipped with loosely-held hardened-steel disposable points. The probes were advanced to the desired depth using a truck-mounted, hydraulically-actuated drive point rig and then withdrawn 6 inches, exposing the sampling interval. A Geoprobe Vacuum/Volume system was attached to the probes via a stainless-steel adapter. The Geoprobe apparatus consisted of an 11-liter tank equipped with a gauge that is calibrated both in liters and inches of mercury. The tank was evacuated with a

diaphragm pump. A valve between the tank and the probe was opened to allow soil vapor to flow from the probe into the tank.

After purging, the valve was closed and the vacuum in the system was allowed to return to zero (atmospheric pressure). The samples were then collected by withdrawing the soil vapor from the probe using 10-milliliter gas-tight syringes equipped with a built-in on/off valve. After sampling, the syringes were delivered to the onsite mobile laboratory for analysis.

Mobile Laboratory Procedures. The soil vapor samples were analyzed onsite in a mobile laboratory using a Varian 3400 Gas Chromatograph (GC) equipped with a Tracor 703 photoionization detector (PID) with an electrolytic conductivity detector (HALL), and a Varian flame ionization detector (FID) connected in parallel. The results were quantified using Temetrics' computerized Labquest data system.

The soil vapor samples were injected directly into the chromatographic column through an injection port. The individual analytes present in the soil vapor were separated as they were drawn through the column by laboratory-grade carrier gas. As each analyte exited the column and passed through the detectors, an electronic signal, proportional to the quantity of the component, was sent to the Labquest data system, which produced a plot of the detector response versus time (i.e., a chromatogram of the soil vapor sample).

Method Detection Limit Determination. The analytical method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured according to a particular analytical method with 99 percent confidence that it is a real concentration with a value above zero. The MDL for the soil vapor analyses of VOCs, using analytical methods similar to EPA Methods 8010/8020, was established before this investigation as 1.0 microgram per liter (μg/l).

Quality Assurance/Quality Control Procedures. Mobile laboratory procedures were conducted in accordance with HGC's sampling and analysis quality assurance/quality control (QA/QC) program. This program includes using strict sampling protocols to protect the integrity of the soil vapor samples, observing calibration procedures to ensure that valid data are obtained, and analysis of quality control (QC) samples to check sampling procedures and instrument precision.

All parts of the collection system that came in contact with a sample were cleaned before each use and a field blank was analyzed daily. A three- to five-point calibration curve was generated at the initiation of the soil vapor survey. A laboratory quality control sample was run at the beginning of each day to verify the calibration.

Stock standards were prepared from neat reagent-grade compounds. The stock standard was prepared by adding approximately the same masses of each compound of interest to a 40-

milliliter septum-sealed vial. The actual mass added was recorded. An aliquot of the final mixture was weighed to determine the density (weight/volume) of the mixture. For preparation of the vapor-phase standard, a measured volume of the stock standard was injected through a septum into a 6-liter passivated stainless-steel Summa canister while the canister was being filled with helium. The canister pressure was brought up to 30 ±0.3 pounds per square inch (psi) using UHP helium. For calibration and check samples, a measured volume of the standard gas mixture was injected into the appropriate precise-volume sample loop. A switching valve injected the loop contents in the GC for analysis.

Cis-1,3-dichloropropene and 2-chlorofluorobenzene were used as surrogates to monitor the performance of the analytical system. The surrogates were prepared in the same manner as the calibration standard. The surrogates were placed in a 500-microliter sample loop and simultaneously injected with the sample. Surrogate results are reported as percent recovery. Control limits for the surrogate were ±20 percent.

Duplicates from two samples were analyzed as a measure of precision. One trip blank and one field blank were analyzed each day to verify that the samples were not contaminated by sampling procedures.

RESULTS

The results of the soil vapor survey are summarized in Table 2 - Soil Vapor Survey Results. The full soil vapor survey report with QA/QC data is included as Appendix B - Soil Vapor Survey Report.

Soil vapor samples were collected from depths of 5 feet at 38 locations at the six sites. Deeper samples (depths of 15 feet) were collected at two of these locations, based on concentrations detected at 5 feet. One or more of the target VOCs was detected in 15 soil vapor samples collected from five of the six different sites at the airport. The greatest concentration encountered was 11 µg/l of 1,1,1-trichloroethane (1,1,1-TCA) in sample SV-12 at a depth of 5 feet. A sample collected from SV-12 from a depth of 15 feet did not contain detectable concentrations of any of the target VOCs. The remaining 14 samples contained one or more of the VOCs carbon tetrachloride, 1,1,1-TCA, trichloroethylene (TCE), tetrachloroethylene (PCE), toluene, ethylbenzene, m/p-xylenes, and o-xylene at various concentrations less than 10 µg/l.

Carbon tetrachloride, 1,1,1-TCA, TCE, and PCE were all detected during previous surveys, at roughly the same or greater concentrations. Toluene, ethylbenzene, m/p-xylenes, and o-xylene, common petroleum product constituents, were only detected on the "Old Trapper's" Property, which was formerly a gasoline station and has not had a previous soil vapor survey

conducted. No other target VOCs were detected in the soil vapor samples at concentrations greater than the method detection limit of 1.0 µg/l.

Quality Assurance/Quality Control. Four equipment blanks, four trip blanks, and four system blanks were collected. None of these samples contained detectable concentrations of the target VOCs. Duplicate samples were collected for samples SV-5 and SV-38. The duplicate samples showed good agreement.

CONCLUSIONS AND RECOMMENDATIONS

Eight VOCs were detected in soil vapor samples collected from 38 probe locations at the six sites assessed at concentrations up to 11 µg/l. Based on the low concentrations detected, Fugro does not believe additional assessment is warranted and recommends "no further action" at these sites.

LIMITATIONS

This report has been prepared for the Burbank-Glendale-Pasadena Airport Authority as a field assessment of subsurface conditions in specific areas at the Burbank-Glendale-Pasadena Airport, located in Burbank, California. In performing our professional services, we have attempted to apply current engineering and scientific judgment and use a level of effort consistent with the standard of practice measured on the date of this report and in the locale of the project site for similar studies. Fugro West, Inc. makes no warranty concerning any of the materials or services furnished.

The analyses and interpretations in this report have been developed based on the results of a limited soil vapor survey. It should be recognized that subsurface conditions can vary laterally and with depth below a given site and that the evaluation contained herein is based solely on sampling results at the sample locations identified.

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Table 1. Sampling Locations

Location	Location I.D.	No. of Probes	Sampling Depth (feet below grade)
1. Old Trapper's Property	SV-1 through SV-4	4	5
2. Former American Drug and Chemical Company	SV-5 through SV-12, SV-29	10	5, SV-12 also at 15
3. Former Paint Shop Area	SV-13 and SV-14, SV-30	3	5
4. Former Bo Jamison Company Wash Rack	SV-15 through SV-24	10	5
5. Former Civil Air Patrol Fire Pit	SV-25 and SV-26, SV-31 through SV-35	8	5, SV-35 also at 15
6. Former Bunker Simulated Gasoline Fire Pit	SV-27 and SV-28, SV-36 through SV-38	5	5

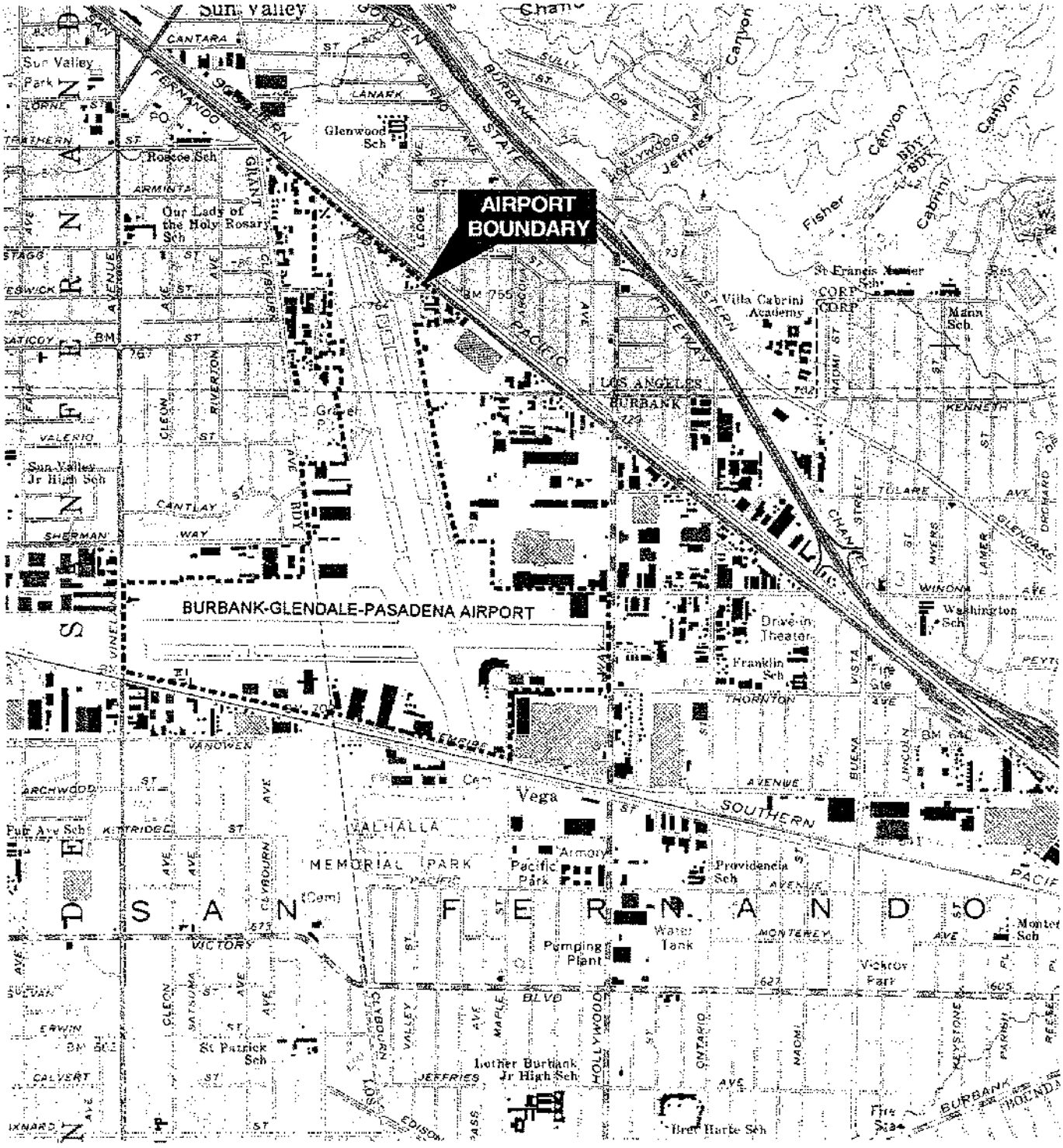
Table 2. Soil Vapor Survey Results

Volatile Organic Compounds (VOCs) using EPA Methods 8010/8020, modified
Results in micrograms per liter (µg/l)

Sample No.	Depth (feet)	Carbon Tetrachloride	1,1,1-TCA	TCE	PCE	Toluene	Ethyl-benzene	m/p-Xylenes	o-Xylene
SV-1	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-2	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-3	5	ND	ND	1.4	1.2	1.4	2.7	4.8	2.7
SV-4	5	ND	ND	1.2	ND	1.5	3.7	5.6	2.8
SV-5	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-6	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-7	5	ND	2.1	ND	ND	ND	ND	ND	ND
SV-8	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-9	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-10	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-11	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-12	5	ND	11	ND	ND	ND	ND	ND	ND
SV-12	15	ND	ND	ND	ND	ND	ND	ND	ND
SV-13	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-14	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-15	5	ND	ND	1	ND	ND	ND	ND	ND
SV-16	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-17	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-18	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-19	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-20	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-21	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-22	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-23	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-24	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-25	5	4	ND	ND	ND	ND	ND	ND	ND
SV-26	5	1.8	ND	ND	ND	ND	ND	ND	ND
SV-27	5	ND	ND	1.2	1.7	ND	ND	ND	ND
SV-28a	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-28b	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-29	5	ND	1	ND	ND	ND	ND	ND	ND

Sample No.	Depth (feet)	Carbon Tetrachloride	1,1,1-TCA	TCE	PCE	Toluene	Ethyl-benzene	m/p-Xylenes	o-Xylene
SV-30	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-31	5	1	ND	ND	ND	ND	ND	ND	ND
SV-32	5	4	ND	ND	ND	ND	ND	ND	ND
SV-33	5	1	ND	ND	ND	ND	ND	ND	ND
SV-34	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-35	5	3.7	ND	ND	ND	ND	ND	ND	ND
SV-35	15	ND	ND	ND	ND	ND	ND	ND	ND
SV-36	5	ND	ND	ND	ND	ND	ND	ND	ND
SV-37	5	ND	ND	1.8	1.2	ND	ND	ND	ND
SV-38a	5	ND	ND	1.56	2.1	ND	ND	ND	ND
SV-38b	5	ND	ND	3.2	2.9	ND	ND	ND	ND
SV-38c	5	ND	ND	4	3.4	ND	ND	ND	ND

1,1,1-TCA 1,1,1-trichloroethane
TCE Trichloroethylene
PCE Tetrachloroethylene
ND Not detected
Concentrations of all target compounds not reported were below detection limits



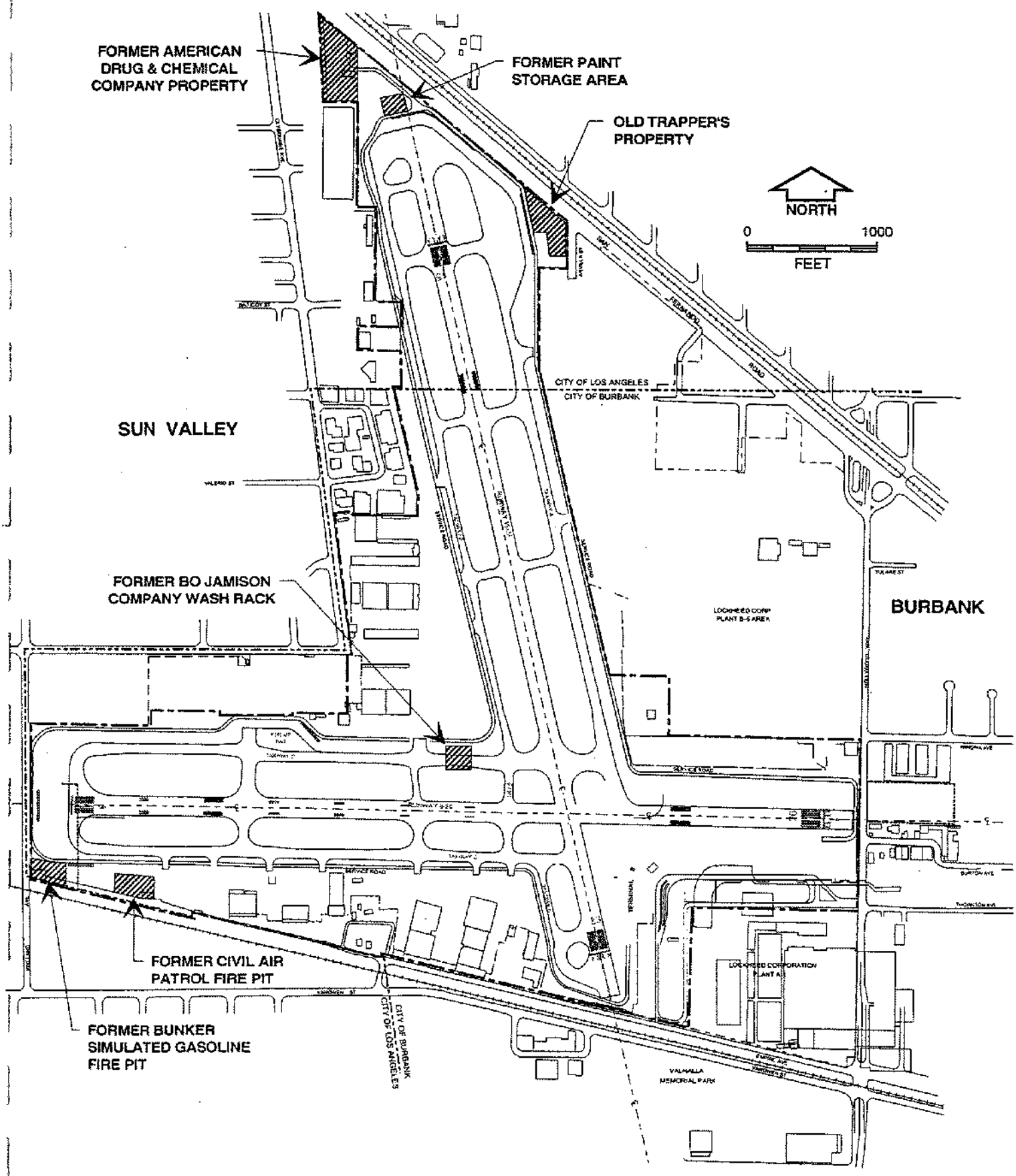
BASE MAP: USGS 7.5' Quadrangle, Burbank, California (photorevised 1972)

NORTH

0 1000 2000
FEET

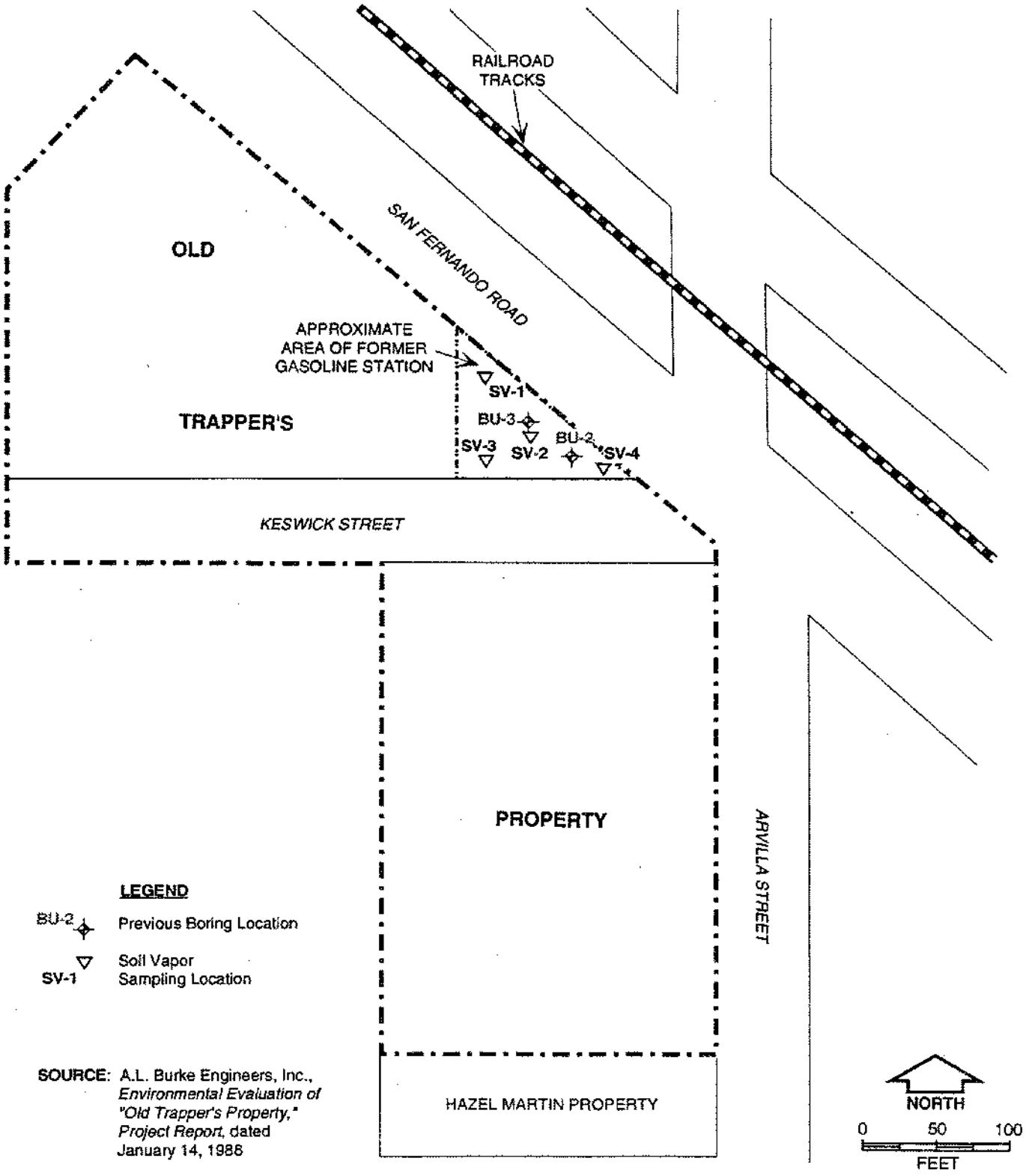
SITE VICINITY MAP
Burbank-Glendale-Pasadena Airport
Burbank, California

PLATE 1



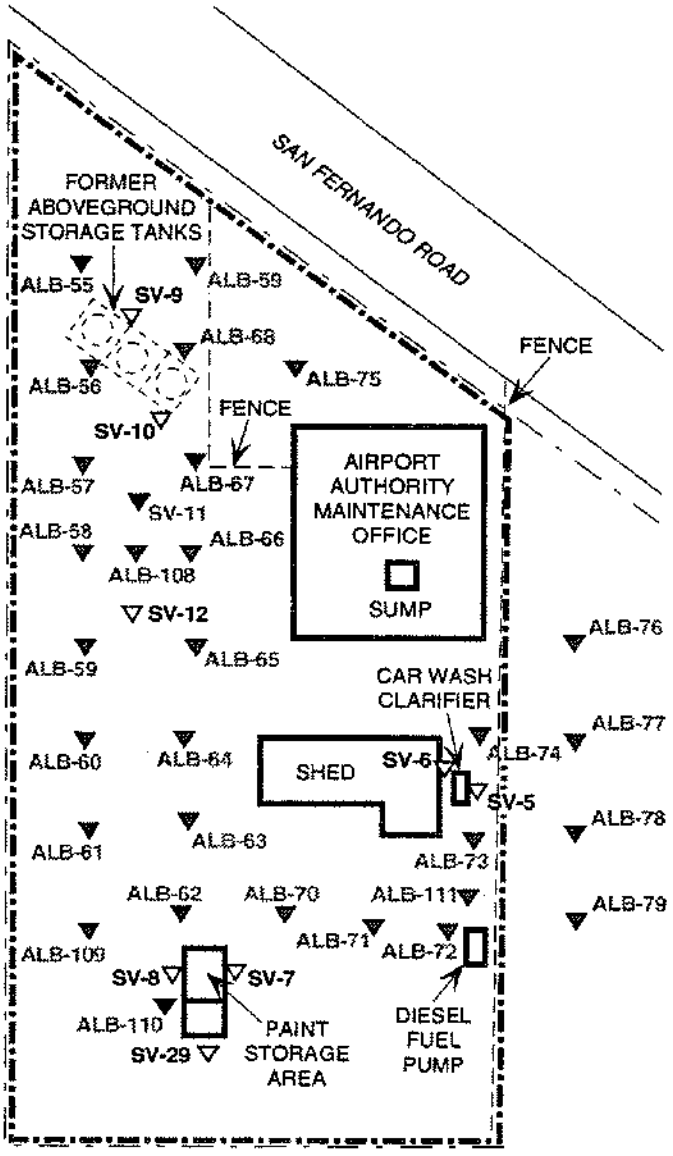
BURBANK-GLENDALE-PASADENA AIRPORT PLAN

Burbank, California



SOURCE: A.L. Burke Engineers, Inc., *Environmental Evaluation of "Old Trapper's Property," Project Report*, dated January 14, 1986

SOIL VAPOR SURVEY LOCATIONS
Old Trapper's Property
Burbank-Glendale-Pasadena Airport
Burbank, California



LEGEND

ALB-55 ▼ Previous Soil Vapor Survey Sampling Location

SV-5 ▽ Soil Vapor Sampling Location

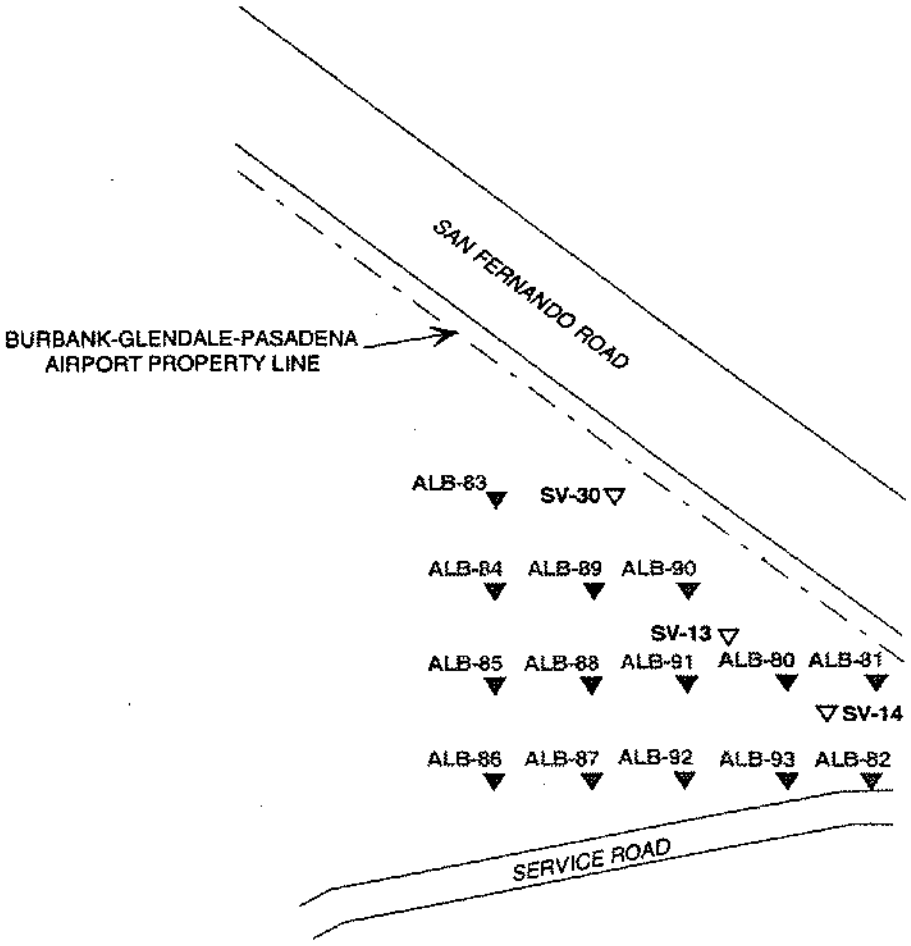
NORTH

0 50 100
FEET

SOURCE: Target Environmental Services, Inc., *Soil Gas Survey, Burbank-Glendale-Pasadena Airport, Burbank, California*, dated August 1991

SOIL VAPOR SURVEY LOCATIONS

Former American Drug and Chemical Company
Burbank-Glendale-Pasadena Airport
Burbank, California



LEGEND

ALB-83 Previous Soil Vapor Survey Sampling Location

SV-13 Soil Vapor Sampling Location

NORTH

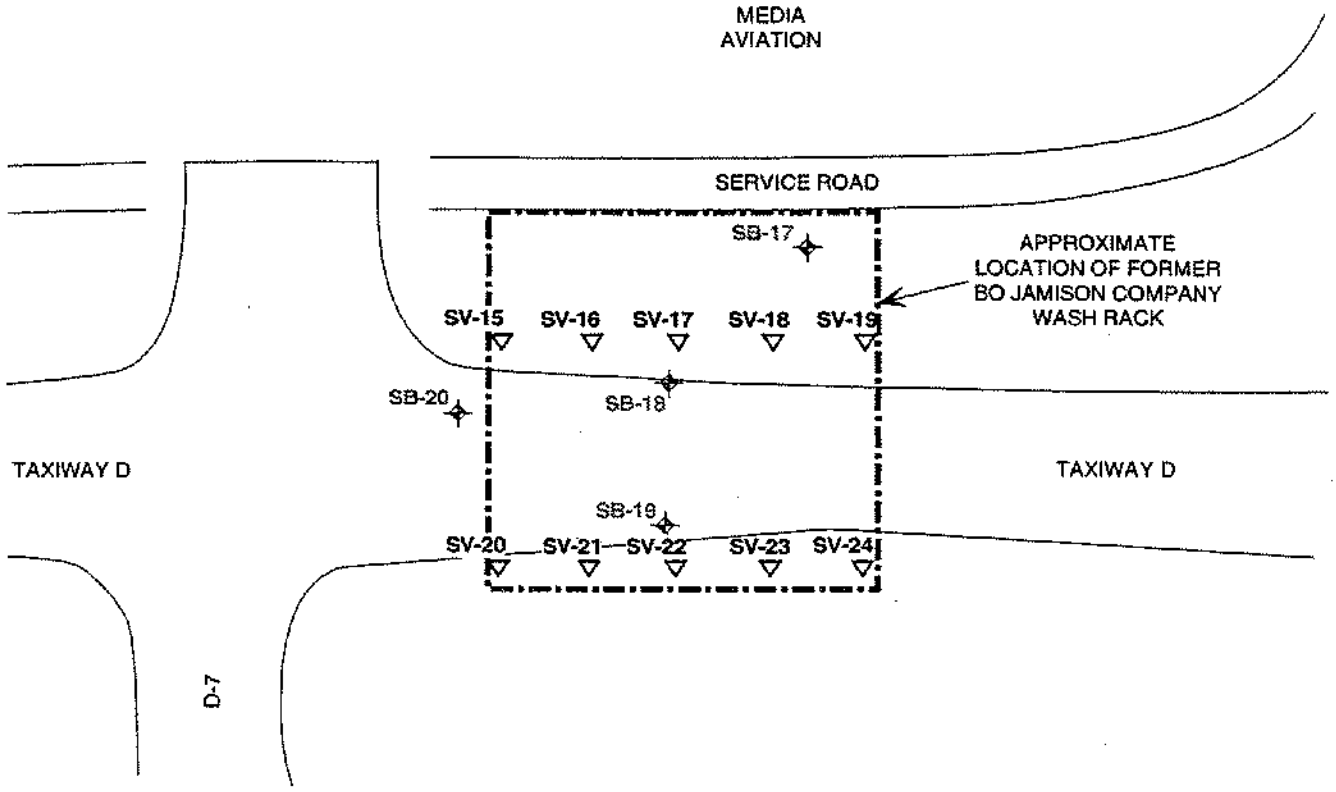
0 50 100
FEET

SOURCE: Target Environmental Services, Inc., *Soil Gas Survey, Burbank-Glendale-Pasadena Airport, Burbank, California,* dated August 1991

SOIL VAPOR SURVEY LOCATIONS

Former Paint Shop
Burbank-Glendale-Pasadena Airport
Burbank, California

PLATE 5



LEGEND

SB-17 Previous Boring Location

SV-15 Soil Vapor Sampling Location

SOURCE: A.L. Burke Engineers, Inc., *Final Report on Site Characterization Phase I: Soil Sampling, Burbank-Glendale-Pasadena Airport Authority, Burbank, California,* dated June 1990

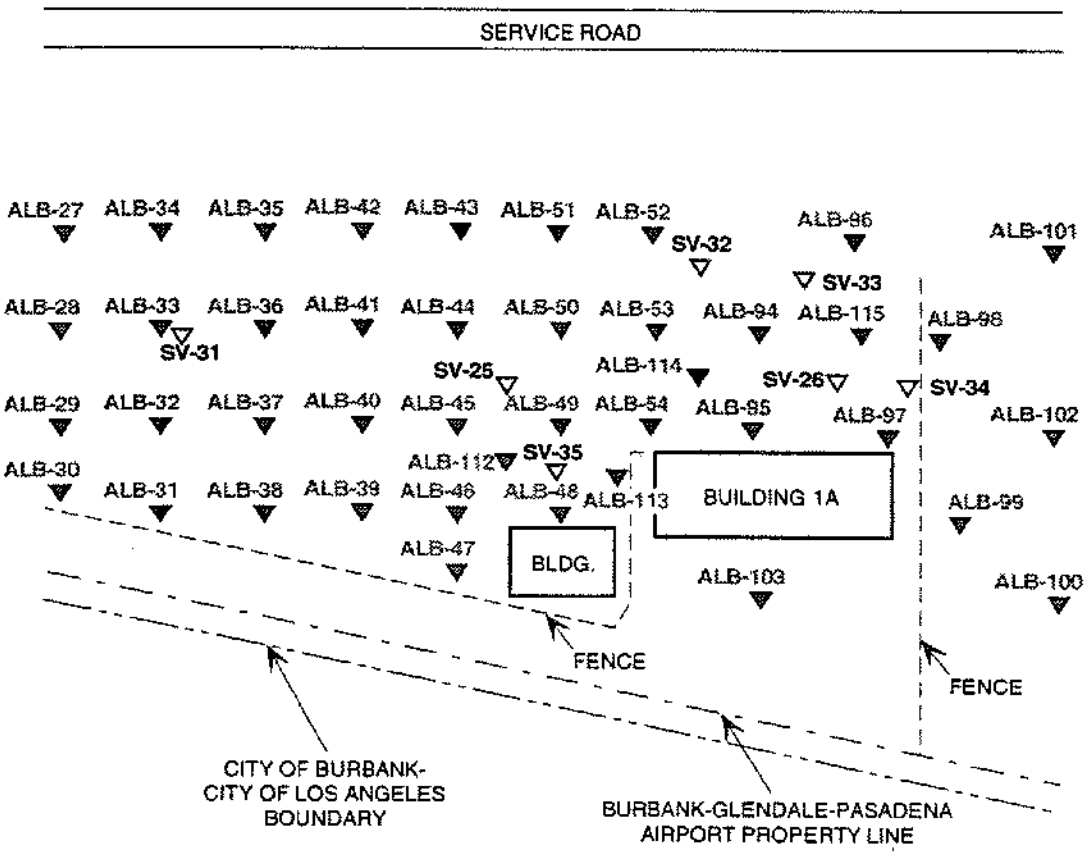
NORTH

0 50 100
FEET

SOIL VAPOR SURVEY LOCATIONS

Former Bo Jamison Company Wash Rack
Burbank-Glendale-Pasadena Airport
Burbank, California

PLATE 6



LEGEND

ALB-27 — Previous Soil Vapor Survey Sampling Location

SV-25 — Soil Vapor Sampling Location

NORTH

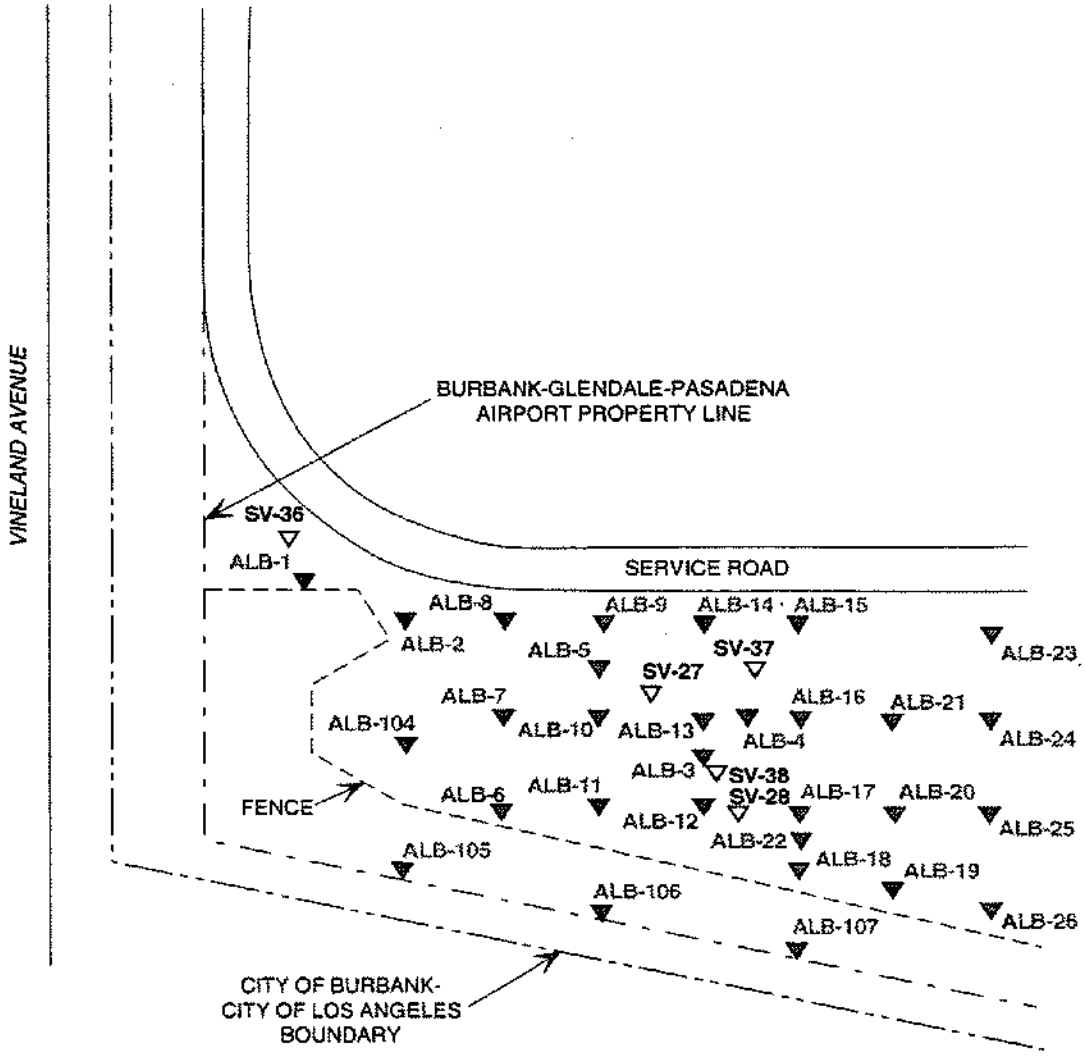
0 50 100
FEET

SOURCE: Target Environmental Services, Inc., *Soil Gas Survey, Burbank-Glendale-Pasadena Airport, Burbank, California*, dated August 1991

SOIL VAPOR SURVEY LOCATIONS

Former Civil Air Patrol Fire Pit
Burbank-Glendale-Pasadena Airport
Burbank, California

PLATE 7



LEGEND

ALB-1 ▼ Previous Soil Vapor Survey Sampling Location

SV-27 ▽ Soil Vapor Sampling Location

NORTH

0 50 100
FEET

SOURCE: Target Environmental Services, Inc., *Soil Gas Survey, Burbank-Glendale-Pasadena Airport, Burbank, California*, dated August 1991

SOIL VAPOR SURVEY LOCATIONS

Former Bunker Simulated Gasoline Fire Pit
Burbank-Glendale-Pasadena Airport
Burbank, California

PLATE 8

APPENDIX A
RWQCB CORRESPONDENCE

STATE OF CALIFORNIA · CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY PETE WILSON Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
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December 11, 1995

Mr. Dan Feger
Burbank-Glendale-Pasadena Airport Authority
2627 Hollywood Way
Burbank, CA 91505

SOIL GAS INVESTIGATION WORK PLAN APPROVAL (File No. 104.1685)

We have reviewed Fugro West, Inc.'s November 28, 1995, work plan for conducting a soil gas investigation at various locations at the Burbank-Glendale-Pasadena Airport

Based on our review, Fugro may implement the work plan. However, we request that you add ten sampling points in the initial sample array (5 feet bgs) and relocate four proposed sampling locations based on the previous soil gas survey results (see attachedTable).

Three copies of the final report for this investigation are due by**January 31, 1995**. Please contact Alex Carlos at (213) 266-7583 if you have any questions

HUBERT H. KANG
Senior Water Resource
Control Engineer

HHK:apc

cc: David Seter, U.S. EPA, Region IX
Mel Blevins, ULARA Watermaster
Alison Canning, Fugro West, Inc.

Post-it™ Fax Note 7671	Date	# of pages ▶ 2
To ALISON CANNING	From A. CARLOS	
Co./Dept. FUGRO	Co. RWQCB	
Phone #	Phone # 213-266-7583	
Fax # 818-546-2091	Fax #	

Soil Gas Sampling Program, Burbank-Glendale-Pasadena Airport (File No. 104.1685)
Additional and Relocated Sampling Locations

AREA	PROPOSED SOIL GAS PT.	ADDITIONAL SOIL GAS PT	COMMENTS
Former Bunker Simulated Gasoline Fire Pit		one point near soil boring SB14.	This the only soil boring with VOCs 100 ug/kg TCE @ 20 feet bgs in SB14
		one point near ALB-3	highest concentration of PCE and TCE identified in ALB-3 vapor samples
		one point north of ALB-4, east of SV-27	
	SV-28		relocate SV-28 between SLB-12 and ALB-17
Former Civil Air Patrol Fire Pit		one point north of ALB-48, west of ALB-113	
		one point between ALB-97 and ALB-98	
		one point between ALB-94 and ALB-96	
		one point between ALB-52 and ALB-94	
		one point near ALB-33	no results for ALB-33, ALB-28 and ALB-36
Former American Drug	SV-12		relocate 25 feet south of ALB-108
		one point on south side of paint storage area, southeast of ALB-110	
Former Paint Storage Area	SV-13		relocate between ALB-80 and ALB-90
	SV-14		relocate between ALB-80 and ALB-82
		one point approx. 50 ft northwest of ALB-90	

APPENDIX B
SOIL VAPOR SURVEY REPORT

SOIL GAS SURVEY
OF
BURBANK/GLENDALE/PASADENA AIRPORT
BURBANK, CALIFORNIA

Prepared for:

Fugro West, Inc.
315 Arden Avenue, Suite 24
Glendale, CA 91203

Prepared by:

HYDRO GEO CHEM, INC.
5932 E. Bolsa Ave, Unit 103
Huntington Beach, California 92649-1171

January 12, 1996

HYDRO GEO CHEM, INC.
SOIL GAS DOCUMENT REVIEW SHEET

Project Code: L1265

Client: Fugro West, Inc.

Date: January 12, 1996

Report Prepared By: Pat Schumann Date: 1-19-96
Patricia A. Schumann, Chemist
Hydro Geo Chem, Inc.

Analytical Results Reviewed By: Rebecca Sloan Date: 1/19/96
Rebecca Sloan, MS
Hydro Geo Chem, Inc.

HGC Approval: Harold W. Bentley Date: Jan 19, 1996
Harold W. Bentley, PhD
President, Hydro Geo Chem, Inc.

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INTRODUCTION

This report presents the methods and results of a soil gas investigation for volatile organic compounds performed December 19 - 22, 1995 at the Burbank/Glendale/Pasadena Airport located in Burbank, California. The investigation, conducted by Hydro Geo Chem under contract to Fugro West, Inc. was designed to evaluate the sub-surface distribution of volatile compounds at the site.

BACKGROUND & THEORY

Soil gas surveys consist of the sampling and analysis of the soil gases that reside in the pore space of the unsaturated zone above the water table. Because many common organic compounds and industrial solvents exhibit significant vapor pressures and are relatively insoluble in water, their introduction into subsurface soils results in vapor phase permeation and transport. Should these chemicals reach the water table and travel with the groundwater, vapors will continue to emanate from the contaminated groundwater into overlying soil. Thus, organic contamination of the subsurface and, possibly, of groundwater can be detected by measuring the concentration of volatile organics in the soil gas.

The concentration of a volatile organic compound (VOC) in soil gas is a complex function of the distribution of the organic compound and its interaction with the soil. This interaction depends on a number of soil parameters including the soil's natural and anthropogenic organic content, soil moisture, soil particle size and mineralogy, temperature, lithology, and heterogeneity.

Whatever the source of the VOC contamination in soil gas, its concentration is representative of soils contamination at the point of measurement. Volatile organic contaminants are present in the gas phase in unsaturated pore spaces, in the water contained in the unsaturated soils, and are adsorbed on the soil particles. The total soils concentration is the sum of the VOCs contained in the three phases. The partitioning of the VOC between gas, liquid and solid phases depends on both the soil properties and the chemical properties of the organic compound. Within the soil volume interrogated by soil gas sampling, typically less than one cubic foot, equilibrium between the three phases is rapidly attained. Thus, given the chemical properties of the VOC and measurements or reasonable estimates of relevant soil parameters, soil-gas data can be used to calculate semi-quantitative estimates of soil contamination.

The following equation relates soil gas concentrations to total soil concentrations.

$$\frac{C_g}{C_T} = \left[\frac{K_D \rho_b}{H_D} + \frac{\theta_w}{H_D} + (\theta_T - \theta_w)\right]^{-1}$$

Where C_g is the concentration in the gas [M/V air]
C_T is the concentration in the soil [M/V bulk volume soil]
K_D is the water-solid distribution coefficient [M/M solid/M/V water]
ρ_b is the bulk soil density [M/V solid]
H_D is the gas-water distribution coefficient [M/V air/M/V water]
θ_w is the water filled porosity
θ_T is the total porosity

The gas-water distribution coefficient (dimensionless Henry's law constant) is

$$H_D = C_g/C_w = H/RT - \rho_g/S$$

where ρ_g is the saturated vapor density [M/V]
S is the solubility [M/V].
H is the Henry's coefficient
R is the gas constant
and T is the temperature in degrees Kelvin

The water-solid distribution coefficient is approximately given by

$$K_D = \frac{C_s}{C_w} = \frac{K_{oc} \cdot \%OC}{100}$$

where C_S is the concentration in the solid (mg/gm)
C_w is the concentration in the water (mg/mL)
K_{OC} is the water-organic carbon distribution coefficient
and %OC is the percent organic carbon in the soil

The major uncertainties in estimating soil concentration from soil gas concentration data are the organic and moisture content of the soils. Chemical properties of particular organic compounds are well known, (i.e., vapor pressure, solubility), and the other relevant soil parameters (i.e., bulk density, porosity) have relatively little effect on soil concentration estimates. Use of soil gas to infer concentrations of sources at distance (such as groundwater plumes) is necessarily much more qualitative. Soil gas data used in this manner are limited by the lack of information

regarding the soil parameters interposed between the source and sampling point. Therefore, quantitative estimates of groundwater concentrations can generally not be obtained from soil gas data collected at distance from the saturated interface.

Away from source areas (i.e., underground storage tanks, surface spills, etc.) where only the groundwater is providing a significant soil gas concentration, soil gas can be an excellent relative indicator of groundwater contamination. The effectiveness of soil gas surveys to delineate groundwater contamination depends, however, on the depth to groundwater, contaminant concentration in the groundwater, distribution of air permeabilities in the unsaturated zone, and attenuation of the volatile organic by biodegradation or adsorption.

SCOPE OF WORK

A total of forty samples were collected and analyzed. Soil gas sampling locations were selected by a representative of Fugro West, Inc. Soil gas samples were collected from thirty eight locations at depths of 5 feet below land surface (bls). Two samples were collected at 15 feet bls to evaluate the vertical distribution of contaminants.

Samples were analyzed for the volatile compounds listed in Table 1.

Table 1
Target Analytes

dichlorodifluoromethane (FR12)	1.1.2 trichloroethane
vinyl chloride	tetrachloroethene
chloroethane	1,1,1,2 tetrachloroethane
trichlorofluoromethane (FR11)	1,1,2,2 tetrachloroethane
dichloromethane	1,1 dichloroethene
trans-1,2-dichloroethene	benzene
1,1 dichloroethane	toluene
cis-1,2-dichloroethene	ethyl benzene
chloroform	m-xylene
1,1,1 trichloroethane	p-xylene
carbon tetrachloride	o-xylene

1,2 dichloroethane	1,1,2 trichloro-1,2,2 trifluoroethane (FR113)
trichloroethene	

SAMPLING

Sample Collection

Soil gas probes consist of 1 3/8" OD, nickel plated EW drill rod tipped by a loosely held hardened-steel disposable point. At each location a probe was driven to target depth using a truck-mounted hydraulically-actuated drive point rig. The probe was then pulled up 6 inches to expose the sampling interval. A Dart® Sampler was lowered down the probe via 1/4" polyethylene tubing to mate with the drive point. A Geoprobe Vacuum/Volume system was attached to the tubing at land surface via a stainless steel septum fitting. The Geoprobe apparatus consists of eleven-liter tank equipped with a gauge that is calibrated both in liters and inches of mercury.

The sampling procedure was as follows: The tank was first evacuated with a diaphragm pump. A valve between the tank and the septum fitting was opened to allow vapor to flow from the probe into the tank. At the first sampling location, SV-38-5, a purge volume vs. concentration test was performed. Samples were collected from the same probe after purging 1, 3 and 5 probe volumes. The samples were analyzed to determine which resulted in the highest concentrations. The purging volume which resulted in the highest concentration of contaminants was 5 volumes. All subsequent sampling locations were purged of 5 times the dead volume of the sampling train prior to sample collection. After purging, the valve was closed and the vacuum in the system was allowed to return to zero (atmospheric pressure). The samples were then collected by withdrawing the soil gas from the septum fitting using a ten milliliter Teflon/glass gas-tight syringe equipped with a built-in on/off valve. After sampling, the syringes were delivered to the on-site mobile laboratory for analysis.

Chain of Custody Procedures

Hydro Geo Chem's field data sheets also serve as chain of custody documents. The date and time of sample collection are recorded on this sheet. When the sample is delivered to laboratory the chemists notes the time of sample receipt.

Decontamination Procedures

Prior to sample collection of parts of the sampling system that come in contact with a sample were decontaminated before each use. Sampling probes are decontaminated by washing

with hot water and alconox. Smaller sampling components are cleaned by heating in a convection oven.

ANALYSIS

Gas chromatography was used to identify and measure concentrations of the various compounds.

Sample Injection Procedures

Samples were injected into a stainless steel loop system connected in parallel to the pair of megabore capillary columns. One column, the J&W DB-624, is serially connected to a photoionization detector (PID) and electrolytic conductivity detector (ELCD). The second column, a J&W Scientific DB-1, leads to the flame ionization detector (FID) and is used primarily for secondary confirmation of compounds. When first introduced to the gas chromatograph the sample is split, half going to the PID/ELCD and the other half going to the FID. The FID analysis uses a column with different polarity which results in a chromatogram that is different than that obtained from the PID, thus allowing a confirmatory check of compounds found in the sample. The method that best characterizes the ELCD /PID analysis is EPA Method 8021 (or 8010/8020); the method that best characterizes the FID analysis is modified EPA 8015.

Analytical Equipment

The make and model of the equipment used to perform these on-site analyses included:

Varian 3400 Gas Chromatograph	J.W. Scientific DB 624, 30m Megabore column
Tracor Model 700A ELCD Detector	J.W. Scientific DB-1, 30m Megabore column
Tracor 703 PID Detector	Tremetrics Labquest® Data System
Varian Flame Ionization (FID) Detector	HGC AutoVOC® Injection System

RESULTS

Table 2 presents the measured soil gas concentrations from each sampling location. Concentrations are reported in micrograms per liter (µg/l) of soil gas. Conversion of soil gas concentrations from µg/l (gas) to ppmV can be achieved by the following equation.

$$C_{ppmV} = C_{\mu g/l} \times RT/M_W P$$

Where

C_{ppmV} = soil gas concentration in ppmV

$C_{\mu g/l}$ = soil gas concentration in µg/l (gas)

R = 0.08205 L-Atm/deg-mole
T = °K
M_W = molecular weight in grams
P = pressure in atmospheres

For a volatile organic compound with a molecular weight of 100, a typical value, C_{ppmV} would be approximately 0.25 $C_{\mu g/l}$.

Detection limits were 1.0 micrograms per liter (µg/L) for all target analytes.

QUALITY ASSURANCE/QUALITY CONTROL

Sampling and analysis of VOCs were conducted in accordance with the guidelines set forth in the California Regional Water Quality Control Board - Los Angeles Region (CRWQCB) document titled "Requirements for Active Soil Gas Investigations, March 1994".

Preparation of Gas Standards

Gas standards were prepared as follows: First, a stock standard was prepared from liquid-phase neat reagent-grade compounds. Approximately the same mass of each compound of interest was sequentially added to a 40 ml septum sealed vial. The actual mass added was recorded after each addition. Aliquots of the final mixture were weighed to determine the density (weight/volume) of the mixture. For preparation of the vapor phase standard, a measured volume of the stock standard was injected through a septum into a 6 liter passivated stainless steel Summa canister. Appropriate volumes of compounds that are gases at room temperature were then injected into the canister using a gas-tight syringe. The canister was then filled with laboratory-grade helium and the canister pressure was brought up to a fixed pressure +/- 1% using a precision pressure gauge. Surrogates were prepared in the same manner as the calibration standard.

Calibration Procedures

The calibration data included initial calibration curves, daily mid-point calibrations on days that calibration curve was not generated, and a verification of the calibration(s) with an independently prepared Laboratory Check Standard (LCS). Calibration data that were used to generate the multipoint calibration curves are reported in Table 3.

Calibration Curves

A calibration curve consisting of at least three points is generated at the beginning of the project and on each day that the daily midpoint calibration check does not meet CRWQCB acceptance criteria. The purpose of the calibration curve is threefold: (1) it establishes the appropriate linear relationship between concentration and instrument response so that the area of chromatographic peaks can be converted to concentration, (2) it establishes the retention time of the chromatographic peaks so that specific compounds can be assigned to observed peaks obtained from each column/detector combination, and (3) it establishes that the sensitivity of the instrument lies within acceptable limits.

Multipoint calibration curves were generated on December 19 and 20, 1995. They covered a range of 0.005 - 0.50 µg. These masses are equivalent to concentrations of 5 - 500 µg/L based on a 1 milliliter (ml) injection of soil gas sample. Smaller volume injections can be used, if necessary, to increase the range to 50,000 µg/L.

To generate the calibration curve, the vapor phase standards were injected into appropriate precise volume sample loops. The masses injected and the resultant chromatographic areas were used to calculate the compound-specific response of the detector. The response function (Rf) used by the Labquest data integration program is

$$Rf = \frac{Mass\ of\ compound}{area}$$

The acceptance criteria established by the CRWQCB for calibration curves is that the percent relative standard deviation (%RSD) not to exceed 20% for all compounds except for the light gases Freons 11, 12 and 113, chloroethane and vinyl chloride, whose %RSD values must not exceed 30%. Calibration curves used to determine the concentrations of target analytes on this project met this specified criterion.

Daily Midpoint Calibration Check

The CRWQCB requires that a calibration check sample be analyzed on days when a calibration curve is not generated. The concentration of the check sample should be at the midpoint of the previously established calibration curve. Midpoint calibration checks were analyzed on December 21 and 22, 1995. The CRWQCB approved criterion for determining the

acceptability of the calibration check sample is ± 15% of the average initial calibration response function except for Freons 11, 12, and 113, chloroethane and vinyl chloride which may be ± 25% of the initial response function. The daily calibration checks met this criterion for all compounds. Daily calibration check data are in Table 4.

Laboratory Check Standard (LCS)

After the analysis of either an initial calibration curve or midpoint calibration check, a laboratory check standard must be analyzed. The purpose of this sample is to verify the concentrations of the standards used to generate the calibration data. It is important to note that standard verification is the only purpose of this exercise. The issues of sensitivity or precision of the sample analyses are determined by the initial or daily calibration. The CRWQCB guidelines require that the response functions of this LCS sample be within 15% of those obtained from the initial or daily midpoint calibration. The response function of Freon 11,12, and 113, chloroethane, and vinyl chloride must be within 25%. The LCS data are presented in Table 5.

The results of the LCS samples analyzed on December 19 and 20 met the CRWQCB specifications. On December 21 the results for 1,1 dichloroethene and ethyl benzene exceeded CRWQCB specifications on the primary detector. However, the compounds did meet calibration and LCS requirements on the alternate detectors. Because neither of these compounds was detected in any sample on this day no data were compromised. Four compounds exceeded the LCS acceptance criteria on December 22. The compounds were 1,1 dichloroethene, chloroform, benzene and ethyl benzene on the primary detector. Again these compounds did met all calibration and LCS criteria on the alternate detector. Of these compounds only ethyl benzene was detected in samples collected on this day and its results were reported from the alternate detector (FID).

End of the Day LCS Sample Analysis

As is discussed in the next section, Hydro Geo Chem does not analyze a LCS sample as the last run of the day because our procedures include the quantitative use of surrogates.

Surrogates

Surrogates were added to each VOC sample including blanks and equipment checks, to monitor the performance of the analytical system. The surrogate compounds were selected for detectability by each of the three detectors employed. The compounds used as surrogates were cis-1,3-dichloropropene and 2-chlorofluorobenzene.

The gas phase surrogates were injected into a 500 microliter (µl) sample loop, then, by computerized switching of the valve, simultaneously injected with the sample into the gas chromatograph. Therefore the surrogate data are quantitative and their recovery can be used to evaluate instrument response. The surrogate recovery acceptance criterion was 100 ± 20%. This acceptance criterion is approved as a replacement for and preferred to the use of an LCS check at the end of the sampling day by CRWQCB staff (Hiam Tan, CRWQCB QA/QC Director). The advantage of using a surrogate in this manner is that a judgement can be made immediately after each analysis as to whether the instrument was operating in an acceptable manner for that analysis. Should an LCS check at the end of the day be utilized, it does not address whether the instrument was in control at the time any sample was analyzed. Moreover, a greater variation than 20% (30% for the light gaseous compounds) of the end-of-day LCS from the expected response function means that all previous data collected that day are suspect. Surrogate results are reported as percent recovery in Table 2. In cases where a surrogate recovery falls outside the control limits it is permissible to use an alternate detector to report results, provide the compounds meets all required calibration and LCS specifications. On December 22 the surrogate recoveries on the PID detector were outside control limits and results for all detected nonchlorinated aromatic compounds were reported from the FID detector.

Duplicates

Samples were analyzed in duplicate as a measure of precision. Duplicates are designated on Table 2 with a lower case -a and -b following the sample name.

Blanks

System blanks were analyzed each day by injecting a 1 ml aliquot of UHP nitrogen into the AutoVOC ®. An analysis showing the system blank to be VOC free demonstrate that the analytical system is not contaminated. System blanks are designate in Table 2 by the prefix SB followed by the date of analysis. Trip blanks were also analyzed at the end of each day to monitor the affect of sample storage and handling on the sample integrity. Trip blanks are designed with a prefix of TB followed by the date of analysis. Trip blanks and/or field blanks serve equally well as system blanks if the analysis detects no VOCs. The field blank results are also reported in Table 2 with a prefix of FB followed by the date collected.

APPENDIX A
CHROMATOGRAMS AND FIELD DATA SHEETS

Table 2
Summary of Analytical Results

Sample ID :		FB20DEC95	FB21DEC95	FB22DEC95	SB19DEC95	SB20DEC95	SB21DEC95	SB22DEC95	SV-01-5*
Date Collected :		12-20-95	12-21-95	12-22-95	NA	12-20-95	12-21-95	12-22-95	12-22-95
Time Collected :		10:35	8:29	7:48	NA	NA	NA	NA	12:34
Date Analyzed :		12-20-95	12-21-95	12-22-95	12-19-95	12-20-95	12-21-95	12-22-95	12-22-95
Time Analyzed :		10:36	8:35	7:46	14:25	7:44	7:03	8:14	12:50
Depth (ft) :		NA	5	NA	NA	NA	NA	5	5
Volume Analyzed (ml) :		1	1	1	1	1	1	1	1
Compound Name	***Detector***								
Dichlorodifluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	FID	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery	ELCD	80	91	97	94	105	93	100	98
% 13CFB Recovery	ELCD	80	87	92	93	98	89	93	90
% C13DCPE Recovery	PID	96	89	80	96	93	82	81	76
% 13CFB Recovery	PID	95	90	80	96	94	83	82	76
% C13DCPE Recovery	FID	99	100	102	100	100	100	99	100
% 13CFB Recovery	FID	99	100	101	101	103	102	100	100

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0156

Table 2
Summary of Analytical Results

Sample ID :		SV-02-5*	SV-03-5*	SV-04-5*	SV-05-5	SV-06-5	SV-07-5	SV-08-5	SV-09-5	SV-10-5	SV-11-5	SV-12-5
Date Collected :		12-22-95	12-22-95	12-22-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95
Time Collected :		12:11	11:51	11:31	17:10	16:52	14:16	14:32	16:26	15:59	15:31	15:15
Date Analyzed :		12-22-95	12-22-95	12-22-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95
Time Analyzed :		12:27	12:03	11:39	17:40	17:17	14:35	14:59	16:54	16:31	16:08	15:45
Depth (ft) :		5	5	5	5	5	5	5	5	5	5	5
Volume Analyzed (ml) :		1	1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***											
Dichlorodifluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1	<1	<1	2.1	<1	<1	<1	<1	11
Carbon Tetrachloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	<1	1.4	1.2	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	FID	<1	1.4	1.5	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	FID	<1	2.7	3.7	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	FID	<1	4.8	5.6	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	FID	<1	2.7	2.8	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery	ELCD	97	103	98	92	92	92	96	93	97	95	96
% 13CFB Recovery	ELCD	90	90	90	84	90	91	88	87	89	91	87
% C13DCPE Recovery	PID	78	77	77	81	82	84	84	82	83	84	83
% 13CFB Recovery	PID	79	77	76	81	83	85	85	82	84	85	85
% C13DCPE Recovery	FID	99	100	99	100	101	101	101	101	101	101	101
% 13CFB Recovery	FID	100	104	100	99	100	100	100	101	100	101	101

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0157

Table 2
Summary of Analytical Results

Sample ID :		SV-12-15a*	SV-12-15b*	SV-13-5*	SV-14-5	SV-15-5	SV-16-5	SV-17-5	SV-18-5	SV-19-5	SV-20-5	SV-21-5
Date Collected :		12-22-95	12-22-95	12-22-95	12-22-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95
Time Collected :		10:49	10:49	8:56	9:15	13:43	13:20	13:01	12:44	12:05	10:40	10:53
Date Analyzed :		12-22-95	12-22-95	12-22-95	12-22-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95	12-21-95
Time Analyzed :		10:53	11:16	9:05	9:30	14:12	13:50	13:30	12:44	12:34	10:43	11:06
Depth (ft) :		15	15	5	5	5	5	5	5	5	5	5
Volume Analyzed (ml) :		1	1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***											
Dichlorodifluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery	ELCD	78	88	101	96	87	94	91	87	84	88	104
% 13CFB Recovery	ELCD	81	83	94	100	85	89	89	87	85	87	93
% C13DCPE Recovery	PID	76	76	78	80	83	85	85	85	85	87	887
% 13CFB Recovery	PID	67	72	79	80	84	86	86	86	86	88	89
% C13DCPE Recovery	FID	99	99	99	99	11	100	101	101	100	99	101
% 13CFB Recovery	FID	101	100	101	102	100	100	100	100	100	99	101

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0158

Table 2
Summary of Analytical Results

Sample ID :		SV-22-5	SV-23-5	SV-24-5	SV-25-5	SV-26-5	SV-27-5	SV-28-5a	SV-28-5b	SV-29-5	SV-30-5	SV-31-5
Date Collected :		12-21-95	12-21-95	12-21-95	12-20-95	12-21-95	12-20-95	12-20-95	12-20-95	12-21-95	12-22-95	12-20-95
Time Collected :		11:06	11:22	11:46	16:13	9:29	14:55	13:20	13:20	14:56	8:35	15:48
Date Analyzed :		12-21-95	12-21-95	12-21-95	12-20-95	12-21-95	12-20-95	12-20-95	12-20-95	12-21-95	12-22-95	12-20-95
Time Analyzed :		11:29	11:52	12:15	16:21	9:48	14:59	13:25	13:52	15:22	8:41	15:55
Depth (ft) :		5	5	5	5	5	5	5	5	5	5	5
Volume Analyzed (ml) :		1	1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***											
Dichlorodifluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
Carbon Tetrachloride	ELCD	<1	<1	<1	4	1.8	<1	<1	<1	<1	<1	1
1,2-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	<1	<1	<1	<1	<1	1.2	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	<1	<1	<1	<1	<1	1.7	<1	<1	<1	<1	<1
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery	ELCD	96	96	95	93	98	80	81	88	92	97	98
% 13CFB Recovery	ELCD	99	92	93	86	91	83	82	83	88	93	88
% C13DCPE Recovery	PID	87	87	86	91	88	92	93	92	84	80	92
% 13CFB Recovery	PID	88	88	87	92	90	93	93	93	85	81	93
% C13DCPE Recovery	FID	101	100	100	100	101	99	100	99	101	101	101
% 13CFB Recovery	FID	100	100	100	100	100	99	99	99	100	101	101

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0159

Table 2
Summary of Analytical Results

Sample ID :		SV-32-5	SV-33-5	SV-34-5	SV-35-5	SV-35-15*	SV-36-5	SV-37-5	SV-38-5A	SV-38-5B	SV-38-5C
Date Collected :		12-20-95	12-21-95	12-21-95	12-20-95	12-22-95	12-20-95	12-20-95	12-20-95	12-20-95	12-20-95
Time Collected :		16:59	9:11	8:55	16:29	10:15	15:22	14:02	11:11	12:17	12:19
Date Analyzed :		12-20-95	12-21-95	12-21-95	12-20-95	12-22-95	12-20-95	12-20-95	12-20-95	12-20-95	12-20-95
Time Analyzed :		17:08	9:25	9:01	16:45	10:17	15:31	14:15	11:16	12:25	12:47
Depth (ft) :		5	5	5	5	15	5	5	5	5	5
Volume Analyzed (ml) :		1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***										
Dichlorodifluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	4	1	<1	3.7	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	<1	<1	<1	<1	<1	<1	1.8	1.56	3.2	4
1,1,2-Trichloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	<1	<1	<1	<1	<1	<1	1.2	2.1	2.9	3.4
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
% C13DCPE Recovery	ELCD	96	102	95	94	95	85	86	86	92	88
% 13CFB Recovery	ELCD	94	100	90	92	88	85	83	83	91	87
% C13DCPE Recovery	PID	90	89	89	91	76	92	92	96	96	93
% 13CFB Recovery	PID	92	86	90	91	77	93	93	97	97	93
% C13DCPE Recovery	FID	100	100	101	100	99	100	100	100	100	100
% 13CFB Recovery	FID	100	100	101	100	101	100	100	100	100	99

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0160

Table 2
Summary of Analytical Results

Sample ID :		TB20DEC95	TB21DEC95	TB22DEC95*
Date Collected :		12-20-95	12-21-95	12-22-95
Time Collected :		NA	NA	NA
Date Analyzed :		12-20-95	12-21-95	12-22-95
Time Analyzed :		17:33	18:02	13:18
Depth (ft) :		NA	5	NA
Volume Analyzed (ml) :		1	1	1
Compound Name	***Detector***			
Dichlorodifluoromethane	ELCD	<1	<1	<1
Vinyl Chloride	ELCD	<1	<1	<1
Chloroethane	ELCD	<1	<1	<1
Trichlorofluoromethane	ELCD	<1	<1	<1
Dichloromethane	ELCD	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	<1	<1	<1
1,1-Dichloroethane	ELCD	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	<1	<1	<1
Chloroform	ELCD	<1	<1	<1
1,1,1-Trichloroethane	ELCD	<1	<1	<1
Carbon Tetrachloride	ELCD	<1	<1	<1
1,2-Dichloroethane	ELCD	<1	<1	<1
Trichloroethene	ELCD	<1	<1	<1
1,1,2-Trichloroethane	ELCD	<1	<1	<1
Tetrachloroethene	ELCD	<1	<1	<1
1,1,1,2 Tetrachloroethane	ELCD	<1	<1	<1
1,1,2,2 Tetrachloroethane	ELCD	<1	<1	<1
1,1-Dichloroethene	PID	<1	<1	<1
Benzene	PID	<1	<1	<1
Toluene	PID	<1	<1	<1
Ethyl Benzene	PID	<1	<1	<1
m/p-Xylene	PID	<1	<1	<1
o-Xylene	FID	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	<1	<1	<1
% C13DCPE Recovery	ELCD	100	84	93
% 13CFB Recovery	ELCD	90	80	85
% C13DCPE Recovery	PID	90	80	75
% 13CFB Recovery	PID	91	80	70
% C13DCPE Recovery	FID	101	101	99
% 13CFB Recovery	FID	101	99	98

Unit of Concentration -- ug/L
NA -- Not Applicable

* Data was not reported from PID due to low surrogates; use HALL or FID to report detected compounds.

BGPAA 0161

Table 3
Multipoint Calibration Data

HYDRO GEO CHEM, INC
Project: Fugro/Burbank
Project #: L1265
Date Calibrated: December 19, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL				**1**				**2**		
Labquest File number:				**L1265.016**				**L1265.013**		
Time Injected:				**13:02**				**11:54**		
Volume injected(ul):				**50**				**50**		
Standard Used:				**CAL9516-2**				**CAL9516**		
Compound Name	**DETECTOR**	**RT (min)**	**STD CONC (ug)**	**AREA**	**Rf**	**RT (min)**	**STD CONC (ug)**	**AREA**	**Rf**	**RT (min)**
Dichlorodifluoromethane	ELCD	1.59	0.0058	25590	2.267E-07	1.58	0.0253	145610	1.736E-07	1.6
Vinyl Chloride	ELCD	2.08	0.0056	32587	1.718E-07	2.08	0.0254	159445	1.593E-07	2.08
Chloroethane	ELCD	2.78	0.006	32501	1.846E-07	2.78	0.0255	137204	1.859E-07	2.78
Trichlorofluoromethane	ELCD	3.16	0.00514	48246	1.065E-07	3.16	0.0257	295624	8.693E-08	4.54
Dichloromethane	ELCD	4.55	0.00509	45218	1.126E-07	4.55	0.0255	276908	9.209E-08	3.88
1,1-Dichloroethene + F113	ELCD	3.89	0.0102	73416	1.389E-07	3.88	0.0509	457719	1.112E-07	3.88
trans-1,2-Dichloroethene	ELCD	4.88	0.00493	45654	1.08E-07	4.88	0.0247	266412	9.271E-08	4.88
1,1-Dichloroethane	ELCD	5.42	0.00436	35739	1.22E-07	5.43	0.0218	218563	9.974E-08	5.42
cis-1,2-Dichloroethene	ELCD	6.16	0.0051	38782	1.315E-07	6.16	0.0255	234539	1.087E-07	6.17
Chloroform	ELCD	6.6	0.00523	40878	1.279E-07	6.61	0.0262	229604	1.141E-07	6.6
1,1,1-Trichloroethane	ELCD	6.78	0.00524	47592	1.101E-07	6.78	0.0262	267753	9.785E-08	6.78
Carbon Tetrachloride	ELCD	6.98	0.0051	61270	8.324E-08	6.98	0.0255	339566	7.51E-08	6.98
1,2-Dichloroethane	ELCD	7.31	0.00511	56238	9.086E-08	7.32	0.0256	286505	8.935E-08	7.33
Trichloroethene	ELCD	8.16	0.00501	43825	1.143E-07	8.16	0.0251	235069	1.068E-07	8.16
1,1,2-Trichloroethane	ELCD	10.7	0.00505	32667	1.546E-07	10.71	0.0253	168523	1.501E-07	10.7
Tetrachloroethene	ELCD	10.85	0.00503	72972	6.893E-08	10.86	0.0252	312223	8.071E-08	10.85
1112 tetrachloroethane	ELCD	12.43	0.00504	55140	9.14E-08	12.43	0.0252	252900	9.964E-08	12.43
1122 tetrachloroethane	ELCD	14.64	0.00512	37992	1.348E-07	14.65	0.0256	243916	1.05E-07	14.64
1,1-Dichloroethene	PID	3.83	0.00504	9612	5.243E-07	3.83	0.0252	60889	4.139E-07	3.83
Benzene	PID	7.23	0.00519	27706	1.873E-07	7.23	0.026	166650	1.56E-07	7.23
Toluene	PID	9.98	0.00508	24433	2.079E-07	9.99	0.0254	154261	1.647E-07	9.98
Ethyl Benzene	PID	12.44	0.00515	19294	2.669E-07	12.44	0.0258	137004	1.883E-07	12.44
m/p-Xylene	PID	12.64	0.01028	50016	2.055E-07	12.65	0.0514	345975	1.486E-07	12.65
o-Xylene	FID	13.31	0.00514	6582	7.809E-07	13.32	0.0258	40473	6.375E-07	13.33
1,1-Dichloroethene + Dichloromethane	FID	4.97	0.01013	1818	5.572E-06	4.98	0.05065	9575	5.29E-06	4.98
1,1,2,2 tetrachloroethane + ethyl benzene	FID	13.92	0.01027	6508	1.578E-06	13.93	0.05135	35464	1.448E-06	13.93
1,1,2-Trichlorotrifluoroethane	ELCD	5.34	0.00513	826	6.211E-06	5.35	0.0257	4127	6.227E-06	5.35

BGPAA 0162

Table 3
Multipoint Calibration Data

HYDRO GEO CHEM, INC
Project: Fugro/Burbank
Project #: L1265
Date Calibrated: December 19, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL	**3**				**4**						
Labquest File number:	**L1265.014**				**L1265.015**						
Time Injected:	**12:17**				**12:40**						
Volume injected(ul):	**200**				**1000**						
Standard Used:	**CAL9516**				**CAL9516**						
Compound Name	**STD CONC (ug)**	**AREA**	**Rf**	**RT (min)**	**STD CONC (ug)**	**AREA**	**Rf**	**AVE Rf**	**SD**	**RSD**	**Control Limits (%)**
Dichlorodifluoromethane	0.1012	650092	1.557E-07	1.66	0.506	3214521	1.574E-07	1.784E-07	3.32E-08	19	+/- 30
Vinyl Chloride	0.1016	621371	1.635E-07	2.15	0.508	3126889	1.625E-07	1.643E-07	5.352E-09	3	+/- 30
Chloroethane	0.102	617411	1.652E-07	2.82	0.51	2816386	1.811E-07	1.792E-07	9.538E-09	5	+/- 30
Trichlorofluoromethane	0.1028	1203788	8.54E-08	3.2	0.514	5175559	9.931E-08	9.455E-08	1.013E-08	11	+/- 30
Dichloromethane	0.1018	1103966	9.221E-08	4.58	0.509	4415298	1.153E-07	1.03E-07	1.262E-08	12	+/- 20
1,1-Dichloroethene + F113	0.2036	1867056	1.09E-07	3.92	1.018	6841531	1.488E-07	1.27E-07	1.991E-08	16	+/- 20
trans-1,2-Dichloroethene	0.0986	1046683	9.42E-08	4.91	0.493	4306722	1.145E-07	1.023E-07	1.061E-08	10	+/- 20
1,1-Dichloroethane	0.0872	872080	9.999E-08	5.44	0.436	4110178	1.061E-07	1.07E-07	1.045E-08	10	+/- 20
cis-1,2-Dichloroethene	0.102	896776	1.137E-07	6.18	0.51	4303078	1.185E-07	1.181E-07	9.777E-09	8	+/- 20
Chloroform	0.105	958512	1.095E-07	6.62	0.523	4527473	1.155E-07	1.168E-07	7.867E-09	7	+/- 20
1,1,1-Trichloroethane	0.1048	1142718	9.171E-08	6.79	0.524	5031780	1.041E-07	1.01E-07	7.935E-09	8	+/- 20
Carbon Tetrachloride	0.102	1340697	7.608E-08	7	0.51	5732766	8.896E-08	8.084E-08	6.516E-09	8	+/- 20
1,2-Dichloroethane	0.1022	1064846	9.598E-08	7.34	0.511	4835332	1.057E-07	9.547E-08	7.374E-09	8	+/- 20
Trichloroethene	0.1002	1045025	9.588E-08	8.18	0.501	4990343	1.004E-07	1.043E-07	8.013E-09	8	+/- 20
1,1,2-Trichloroethane	0.101	666464	1.515E-07	10.72	0.505	3680732	1.372E-07	1.484E-07	7.673E-09	5	+/- 20
Tetrachloroethene	0.1006	1263085	7.965E-08	10.87	0.503	5587397	9.002E-08	7.983E-08	8.632E-09	11	+/- 20
1112 tetrachloroethane	0.1008	950117	1.061E-07	12.44	0.504	4837092	1.042E-07	1.003E-07	6.539E-09	7	+/- 20
1122 tetrachloroethane	0.1024	966613	1.059E-07	14.64	0.512	4318534	1.186E-07	1.161E-07	1.393E-08	12	+/- 20
1,1-Dichloroethene	0.1008	279035	3.612E-07	3.87	0.504	1471349	3.425E-07	4.105E-07	8.168E-08	20	+/- 20
Benzene	0.1038	701667	1.479E-07	7.25	0.519	3537572	1.467E-07	1.595E-07	1.901E-08	12	+/- 20
Toluene	0.102	645059	1.581E-07	10	0.508	3340440	1.521E-07	1.707E-07	2.534E-08	15	+/- 20
Ethyl Benzene	0.103	563617	1.827E-07	12.45	0.515	2863551	1.798E-07	2.052E-07	4.179E-08	20	+/- 20
m/p-Xylene	0.2056	1384417	1.485E-07	12.64	1.028	5929351	1.734E-07	1.69E-07	2.703E-08	16	+/- 20
o-Xylene	0.103	157949	6.521E-07	13.32	0.515	832257	6.188E-07	6.723E-07	7.367E-08	11	+/- 20
1,1-Dichloroethene + Dichloromethane	0.2062	38837	5.309E-06	5.01	1.031	204498	5.042E-06	5.214E-06	2.167E-07	4	+/- 20
1,1,2,2 tetrachloroethane + ethyl benzene	0.254	138493	1.834E-06	13.93	1.07	726453	1.473E-06	1.585E-06	1.764E-07	11	+/- 20
1,1,2-Trichlorotrifluoroethane	0.1026	17224	5.957E-06	5.38	0.513	90165	5.69E-06	6.021E-06	2.533E-07	4	+/- 30

BGPAA 0163

Table 3
Multipoint Calibration Data

HYDRO GEO CHEM, INC
Project: Fugro/Burbank
Project #: L1265
Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL				1				2			
Labquest File number:				L1265.031				L1265.032			
Time Injected:				8:37				9:00			
Volume injected(ul):				50				50			
Standard Used:				CAL9516-2				CAL9516			
Compound Name	DETECTOR	RT (min)	STD CONC (ug)	AREA	Rf	RT (min)	STD CONC (ug)	AREA	Rf	RT (min)	STD CONC (ug)
Dichlorodifluoromethane	ELCD	1.62	0.0058	38395	1.511E-07	1.63	0.0253	191021	1.324E-07	1.59	0.1012
Vinyl Chloride	ELCD	2.13	0.0056	46781	1.197E-07	2.13	0.0254	201630	1.26E-07	2.08	0.1016
Chloroethane	ELCD	2.84	0.006	41422	1.449E-07	2.83	0.0255	185010	1.378E-07	2.77	0.102
Trichlorofluoromethane	ELCD	3.23	0.00514	58727	8.752E-08	3.22	0.0257	389275	6.602E-08	3.15	0.1028
Dichloromethane	ELCD	4.63	0.00509	50454	1.009E-07	4.61	0.0255	*385724*	6.611E-08	4.53	0.1018
1,1-Dichloroethene + F113	ELCD	3.95	0.0102	84917	1.201E-07	3.94	0.0509	*618561*	8.229E-08	3.88	0.2036
trans-1,2-Dichloroethene	ELCD	4.97	0.00493	49212	1.002E-07	4.95	0.0247	355588	6.946E-08	4.87	0.0986
1,1-Dichloroethane	ELCD	5.52	0.00436	39733	1.097E-07	5.49	0.0218	291890	7.469E-08	5.42	0.0872
cis-1,2-Dichloroethene	ELCD	6.27	0.0051	42944	1.188E-07	6.23	0.0255	326818	7.803E-08	6.16	0.102
Chloroform	ELCD	9.71	0.00523	58524	8.937E-08	6.67	0.0262	325028	8.061E-08	6.59	0.105
1,1,1-Trichloroethane	ELCD	6.88	0.00524	53697	9.758E-08	6.85	0.0262	408063	6.421E-08	6.77	0.1048
Carbon Tetrachloride	ELCD	7.09	0.0051	67851	7.516E-08	7.05	0.0255	464142	5.494E-08	6.97	0.102
1,2-Dichloroethane	ELCD	7.43	0.00511	52704	9.696E-08	7.4	0.0256	409746	6.248E-08	7.332	0.1022
Trichloroethene	ELCD	8.27	0.00501	66387	7.547E-08	8.23	0.0251	349657	7.178E-08	8.16	0.1002
1,1,2-Trichloroethane	ELCD	10.82	0.00505	53697	9.405E-08	10.78	0.0253	408063	6.2E-08	10.7	0.101
1,1,2-Trichloroethane	FID	1.11	0.00505	1447	3.49E-06	10.78	0.0253	7966	3.176E-06	10.7	0.101
Tetrachloroethene	ELCD	10.97	0.00503	94077	5.347E-08	10.93	0.0252	489033	5.153E-08	10.86	0.1006
1112 tetrachloroethane	ELCD	12.55	0.00504	70900	7.109E-08	12.5	0.0252	329680	7.644E-08	12.43	0.1008
1122 tetrachloroethane	ELCD	14.77	0.00512	53930	9.494E-08	14.71	0.0256	328632	7.79E-08	14.64	0.1024
1,1-Dichloroethene	PID	3.91	0.00504	9020	5.588E-07	3.89	0.0252	65497	3.848E-07	3.83	0.1008
Benzene	PID	7.33	0.00519	25038	2.073E-07	7.31	0.026	180629	1.439E-07	7.23	0.1038
Benzene	FID	8.56	0.00519	7259	7.15E-07	8.53	0.026	41172	6.315E-07	8.43	0.1038
Toluene	FID	11.48	0.00508	6934	7.326E-07	11.43	0.0254	41395	6.136E-07	11.34	0.102
Ethyl Benzene	PID	12.56	0.00515	22242	2.315E-07	12.51	0.0258	157223	1.641E-07	12.44	0.103
Ethyl Benzene + 1122PCA	FID	14.05	0.00515	7172	7.181E-07	13.99	0.0258	42082	6.131E-07	13.92	0.103
m/p-Xylene	PID	12.77	0.01028	58508	1.757E-07	12.72	0.0514	395745	1.299E-07	12.65	0.2056
m/p-Xylene	FID	14.28	0.01028	14450	7.114E-07	14.23	0.0514	86573	5.937E-07	14.14	0.2056
o-Xylene	FID	14.89	0.00514	21025	2.445E-07	14.83	0.0258	156758	1.646E-07	14.75	0.103
1,1,2-Trichlorotrifluoroethane	FID	5.44	0.00513	731	7.018E-06	5.43	0.0257	4604	5.582E-06	5.34	0.1026

Data printed in intalics were not used to calculate average Rf or %RSD values.

Shaded data exceeded control limits.

BGPAA 0164

Table 3
Multipoint Calibration Data

HYDRO GEO CHEM, INC
Project: Fugro/Burbank
Project #: L1265
Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL	3				4						
Labquest File number:	L1265.027				L1265.030						
Time Injected:	6:57				8:13						
Volume injected(ul):	200				1000						
Standard Used:	CAL9516				CAL9516						
Compound Name	**AREA**	**Rf**	**RT (min)**	**STD CONC (ug)**	**AREA**	**Rf**	**AVE Rf**	**SD**	**RSD**	**Control Limits (%)**	**Comments**
Dichlorodifluoromethane	*552334*	1.832E-07	1.68	0.506	3617629	1.399E-07	1.411E-07	7.651E-09	5	+/- 30	
Vinyl Chloride	*609482*	1.667E-07	2.18	0.508	3525512	1.441E-07	1.299E-07	1.034E-08	8	+/- 30	
Chloroethane	*564369*	1.807E-07	2.86	0.51	3241175	1.574E-07	1.467E-07	1.632E-08	11	+/- 30	
Trichlorofluoromethane	1176248	8.74E-08	3.24	0.514	5607854	9.166E-08	8.315E-08	1.004E-08	12	+/- 30	
Dichloromethane	1079778	9.428E-08	4.63	0.509	4708750	1.081E-07	1.011E-07	5.643E-09	6	+/- 20	
1,1-Dichloroethene + F113	1867073	1.09E-07	3.97	1.018	7257691	1.403E-07	1.129E-07	1.292E-08	11	+/- 20	
trans-1,2-Dichloroethene	988657	9.973E-08	4.98	0.493	4664625	1.057E-07	9.377E-08	1.423E-08	15	+/- 20	
1,1-Dichloroethane	903002	9.657E-08	5.51	0.436	4498465	9.692E-08	9.448E-08	1.26E-08	13	+/- 20	
cis-1,2-Dichloroethene	999747	1.02E-07	6.26	0.51	4566903	1.117E-07	1.026E-07	1.539E-08	15	+/- 20	
Chloroform	1094091	9.597E-08	6.69	0.523	6088185	8.59E-08	8.796E-08	5.577E-09	6	+/- 20	
1,1,1-Trichloroethane	1242811	8.432E-08	6.87	0.524	5423824	9.661E-08	8.568E-08	1.346E-08	16	+/- 20	
Carbon Tetrachloride	1471775	6.93E-08	7.08	0.51	6173829	8.261E-08	7.05E-08	1.015E-08	14	+/- 20	
1,2-Dichloroethane	1217348	8.395E-08	7.43	0.511	5151292	9.92E-08	8.565E-08	1.459E-08	17	+/- 20	
Trichloroethene	1179793	8.493E-08	8.26	0.501	5260892	9.523E-08	8.185E-08	9.091E-09	11	+/- 20	
1,1,2-Trichloroethane	1242811	8.127E-08	10.8	0.505	5423824	9.311E-08	8.305E-08	1.489E-08	18	+/- 20	
1,1,2-Trichloroethane	30882	3.271E-06	10.8	0.505	149059	3.388E-06	3.351E-06	1.308E-07	4	+/- 20	
Tetrachloroethene	1494046	6.733E-08	10.96	0.503	*6020692*	8.355E-08	5.74E-08	8.65E-09	15	+/- 20	
1112 tetrachloroethane	1133019	8.897E-08	12.53	0.504	5399093	9.335E-08	8.246E-08	9.035E-09	11	+/- 20	
1122 tetrachloroethane	1186735	8.629E-08	14.74	0.512	5065253	1.011E-07	9.005E-08	8.766E-09	10	+/- 20	
1,1-Dichloroethene	289339	3.484E-07	3.92	0.504	1452839	3.469E-07	4.097E-07	8.738E-08	21	+/- 20	See ELCD data
Benzene	751012	1.382E-07	7.33	0.519	3438298	1.509E-07	1.601E-07	2.761E-08	17	+/- 20	
Benzene	161202	6.439E-07	8.55	0.519	783851	6.621E-07	6.631E-07	3.185E-08	5	+/- 20	
Toluene	160581	6.352E-07	11.47	0.508	766235	6.63E-07	6.611E-07	4.485E-08	7	+/- 20	
Ethyl Benzene	634366	1.624E-07	12.54	0.515	2879405	1.789E-07	1.842E-07	2.807E-08	15	+/- 20	
Ethyl Benzene + 1122PCA	162285	6.347E-07	14.03	0.515	766863	6.716E-07	1.314E-06	3.983E-08	3	+/- 20	
m/p-Xylene	1546353	1.33E-07	12.77	1.028	5903419	1.741E-07	1.532E-07	2.178E-08	14	+/- 20	
m/p-Xylene	325641	6.314E-07	14.27	1.028	1518246	6.771E-07	6.534E-07	4.465E-08	7	+/- 20	
o-Xylene	644150	1.599E-07	14.87	0.515	2934470	1.755E-07	1.861E-07	3.416E-08	18	+/- 20	
1,1,2-Trichlorotrifluoroethane	18579	5.522E-06	5.45	0.513	94846	5.409E-06	5.883E-06	6.583E-07	11	+/- 30	

Data printed in intalics were not used to calculate average Rf or %RSD values.

Shaded data exceeded control limits.

BGPAA 0165

Table 4
Daily Calibration Check Data

Project: FUGRO/BURBANK, CA
Project #: L1265

Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

Date:	12-21-95
Time:	7:15
Labquest File number:	L1265.052
Volume injected(ul):	200
Standard Used:	CAL9516

Compound Name	Detector	Retention Time	Mass Injected(ug)	Area measured	Rf	Rf (IC)	RPD	Control Limits (%)
Dichlorodifluoromethane	ELCD	1.6	0.1012	633789	1.6E-07	1.4E-07	-14	+/- 25
Vinyl Chloride	ELCD	2.09	0.1016	694118	1.5E-07	1.3E-07	-13	+/- 25
Chloroethane	ELCD	2.78	0.102	642765	1.6E-07	1.5E-07	-6	+/- 25
Trichlorofluoromethane	ELCD	3.17	0.1028	1359472	7.6E-08	8.3E-08	9	+/- 25
Dichloromethane	ELCD	4.56	0.1018	1198993	8.5E-08	0.0000001	15	+/- 15
1,1-Dichloroethene + F113	ELCD	3.89	0.2036	2136606	9.5E-08	1.1E-07	13	+/- 15
trans-1,2-Dichloroethene	**ELCD**	**4.89**	**0.0986**	**1154435**	**8.5E-08**	**9.4E-08**	**9**	**+/- 15**
1,1-Dichloroethane	**ELCD**	5.43	0.0872	**1040231**	8.4E-08	9.4E-08	**11**	**+/- 15**
cis-1,2-Dichloroethene	**ELCD**	6.18	0.102	**1113498**	9.2E-08	0.0000001	**8**	**+/- 15**
Chloroform	ELCD	6.61	0.105	1175344	8.9E-08	8.8E-08	-2	+/- 15
1,1,1-Trichloroethane	**ELCD**	**6.79**	**0.1048**	**1323300**	**7.9E-08**	**8.6E-08**	**8**	**+/- 15**
Carbon Tetrachloride	ELCD	6.99	0.102	1634648	6.2E-08	7.1E-08	12	+/- 15
1,2-Dichloroethane	**ELCD**	**7.33**	**0.1022**	**1339350**	**7.6E-08**	**8.6E-08**	**11**	**+/- 15**
Trichloroethene	**ELCD**	**8.17**	**0.1002**	**1351684**	**7.4E-08**	**8.2E-08**	**10**	**+/- 15**
1,1,2 Tetrachloroethane	**FID**	**11.04**	**0.101**	**30435**	**3.3E-06**	**3.331E-06**	**0**	**+/- 15**
Tetrachloroethene	**ELCD**	**10.86**	**0.1006**	**1662843**	**6E-08**	**5.7E-08**	**-6**	**+/- 15**
1112 tetrachloroethane	ELCD	12.45	0.1008	1273398	7.9E-08	8.2E-08	3	+/- 15
1122 tetrachloroethane	ELCD	14.67	0.1024	1203623	8.5E-08	9E-08	5	+/- 15
1,1-Dichloroethene	PID	3.84	0.1008	258938	3.9E-07	4.2E-07	7	+/- 15
Benzene	**PID**	**7.24**	**0.1038**	**673436**	**1.5E-07**	**1.6E-07**	**4**	**+/- 15**
Toluene	**FID**	**10**	**0.102**	**157750**	**6.5E-07**	**6.11E-07**	**-6**	**+/- 15**
Ethyl Benzene	PID	12.46	0.103	567427	1.8E-07	1.8E-07	-1	+/- 15
m/p-Xylene	**PID**	**12.68**	**0.2056**	**1389384**	**1.5E-07**	**1.5E-07**	**1**	**+/- 15**
o-Xylene	**FID**	**14.77**	**0.103**	**573917**	**1.8E-07**	**1.9E-07**	**6**	**+/- 15**
1,1,2-Trichlorotrifluoroethane	FID	5.35	0.1026	18393	5.6E-06	0.0000059	5	+/- 25

Compounds in bold type are required by RWQCB

BGPAA 0166

Table 4
Daily Calibration Check Data

Project: FUGRO/BURBANK, CA
Project #: L1265

Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

Date:	12-22-95
Time:	6:29
Labquest File number:	L1265.078
Volume injected(ul):	200
Standard Used:	CAL9516

Compound Name	Detector	Retention Time	Mass Injected(ug)	Area measured	Rf	Rf (IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.6	0.1012	620262	1.632E-07	1.4E-07	-17	+/- 25	
Vinyl Chloride	ELCD	2.09	0.1016	652178	1.558E-07	1.3E-07	-20	+/- 25	
Chloroethane	ELCD	2.78	0.102	610802	1.67E-07	1.5E-07	-11	+/- 25	
Trichlorofluoromethane	ELCD	3.17	0.1028	1236238	8.316E-08	8.3E-08	0	+/- 25	
Dichloromethane	ELCD	4.56	0.1018	1192057	8.54E-08	0.0000001	15	+/- 15	
trans-1,2-Dichloroethene	**ELCD**	**4.89**	**0.0986**	**1126388**	**8.754E-08**	**9.4E-08**	**7**	+/- 15	
1,1-Dichloroethane	**ELCD**	5.43	0.0872	**971886**	8.972E-08	9.4E-08	**5**	+/- 15	
cis-1,2-Dichloroethene	**ELCD**	6.18	0.102	**1056504**	9.654E-08	0.0000001	**3**	+/- 15	
Chloroform	ELCD	6.61	0.105	1172600	8.954E-08	8.8E-08	-2	+/- 15	
1,1,1-Trichloroethane	**ELCD**	**6.79**	**0.1048**	**1306713**	**8.02E-08**	**8.6E-08**	**7**	+/- 15	
Carbon Tetrachloride	ELCD	6.99	0.102	**1594424**	6.397E-08	7.1E-08	10	+/- 15	
1,2-Dichloroethane	**ELCD**	**7.33**	**0.1022**	**1271875**	**8.035E-08**	**8.6E-08**	**7**	+/- 15	
Trichloroethene	**ELCD**	**8.17**	**0.1002**	**1282036**	**7.816E-08**	**8.2E-08**	**5**	+/- 15	
1,1,2 Tetrachloroethane	**FID**	**11.04**	**0.101**	**31632**	**3.193E-06**	**3.331E-06**	**4**	+/- 15	
Tetrachloroethene	**ELCD**	**10.86**	**0.1006**	**1612157**	**6.24E-08**	**5.7E-08**	**-9**	+/- 15	
1112 tetrachloroethane	ELCD	12.45	0.1008	1217962	8.276E-08	8.2E-08	-1	+/- 15	
1122 tetrachloroethane	ELCD	14.67	0.1024	1267213	8.081E-08	9E-08	10	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.89	0.2036	2012815	1.012E-07	1.1E-07	8	+/- 15	
1,1-Dichloroethene	PID	3.84	0.1008	236033	4.271E-07	4.2E-07	-2	+/- 15	
1,1-Dichloroethene + DCM	FID	5	0.2026	43305	4.678E-06	4.92E-06	5	+/- 15	
Benzene	**PID**	**7.24**	**0.1038**	**616130**	**1.685E-07**	**1.6E-07**	**-5**	+/- 15	
Toluene	**FID**	**10**	**0.102**	**157750**	**6.466E-07**	**6.11E-07**	**-6**	+/- 15	
Ethyl Benzene	PID	12.46	0.103	548931	1.876E-07	1.8E-07	-4	+/- 15	
Ethyl Benzene + 1122 Tetrachloroethane	FID	13.96	0.2054	149339	1.375E-06	0.0000013	-6	+/- 15	
m/p-Xylene	**PID**	**12.68**	**0.2056**	**1281471**	**1.604E-07**	**1.5E-07**	**-7**	+/- 15	
o-Xylene	**FID**	**14.77**	**0.103**	**192367**	**5.354E-07**	**5.665E-07**	**5**	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.35	0.1026	18881	5.434E-06	0.0000059	8	+/- 25	

Compounds in bold type are required by RWQCB

BGPAA 0167

Table 5
Laboratory Check Standard Data

Project #: L1265
Fugro/Burbank
Instrument ID#: 3400-4199

Date Analyzed:	12-19-95
Time Analyzed:	13:31
Labquest File #:	L1265.017
Standard Used:	CAL9517
Volume used:	1000

Compound Name	*Detector*	*RT(min)*	Mass Injected	AREA	Rf	Rf (IC)	RPD	Control Limits (%)
Dichlorodifluoromethane	ELCD	1.69	0.113	692021	1.633E-07	1.784E-07	8	+/- 25
Vinyl Chloride	ELCD	2.17	0.116	785955	1.476E-07	1.643E-07	10	+/- 25
Chloroethane	ELCD	2.83	0.12	758644	1.582E-07	1.792E-07	12	+/- 25
Trichlorofluoromethane	ELCD	3.21	0.104	976645	1.065E-07	9.455E-08	-13	+/- 15
Dichloromethane	ELCD	4.57	0.0985	863403	1.141E-07	1.03E-07	-11	+/- 15
1,1-Dichloroethene + F113	ELCD	3.925	0.2034	1523450	1.335E-07	1.268E-07	-5	+/- 15
trans-1,2-Dichloroethene	ELCD	4.91	0.099	899325	1.101E-07	1.023E-07	-8	+/- 15
1,1-Dichloroethane	ELCD	5.44	0.0996	847979	1.175E-07	1.07E-07	-10	+/- 15
cis-1,2-Dichloroethene	ELCD	6.18	0.1	793789	1.26E-07	1.181E-07	-7	+/- 15
Chloroform	ELCD	6.61	0.0995	842799	1.181E-07	1.171E-07	-1	+/- 15
1,1,1-Trichloroethane	ELCD	6.78	0.0985	927446	1.062E-07	1.01E-07	-5	+/- 15
Carbon Tetrachloride	ELCD	6.99	0.102	1264165	8.069E-08	8.08E-08	0	+/- 15
1,2-Dichloroethane	ELCD	7.33	0.1	978586	1.022E-07	9.547E-08	-7	+/- 15
Trichloroethene	ELCD	8.16	0.0994	994400	9.996E-08	1.043E-07	4	+/- 15
1,1,2-Trichloroethane	ELCD	10.7	0.1	666257	1.501E-07	1.484E-07	-1	+/- 15
Tetrachloroethene	ELCD	10.85	0.1	1151449	8.685E-08	7.979E-08	-9	+/- 15
1112 tetrachloroethane	ELCD	12.42	0.0994	900361	1.104E-07	1.003E-07	-10	+/- 15
1122 tetrachloroethane	ELCD	14.63	0.102	793973	1.285E-07	1.161E-07	-11	+/- 15
Benzene	PID	7.23	0.104	671783	1.548E-07	1.595E-07	3	+/- 15
Toluene	PID	9.98	0.104	622752	1.67E-07	1.707E-07	2	+/- 15
Ethyl Benzene	PID	12.43	0.102	506045	2.016E-07	2.052E-07	2	+/- 15
m/p-Xylene	PID	12.64	0.207	1272580	1.627E-07	1.69E-07	4	+/- 15
o-Xylene	PID	13.31	0.102	153590	6.641E-07	6.727E-07	1	+/- 15
1,1,2-Trichlorotrifluoroethane	FID	5.38	0.0996	15379	6.476E-06	6.022E-06	-8	+/- 25

BGPAA 0168

Table 5
Laboratory Control Standard Data

Project #: L1265
Fugro/Burbank

Date Analyzed:	12-20-95
Time Analyzed:	7:21
Labquest File #:	L1265.028
Standard Used:	CAL9517
Volume used:	1000ul

Compound Name	Detector	RT (min)	Mass Injected	AREA	Rf	Rf (IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.69	0.113	829503	1.362E-07	1.4E-07	3	+/- 25	
Vinyl Chloride	ELCD	2.17	0.116	920795	1.26E-07	1.3E-07	3	+/- 25	
Chloroethane	ELCD	2.85	0.12	865685	1.386E-07	1.5E-07	8	+/- 25	
Trichlorofluoromethane	ELCD	3.23	0.104	1115714	9.321E-08	8.3E-08	-12	+/- 25	
Dichloromethane	ELCD	4.6	0.0985	986257	9.987E-08	0.0000001	0	+/- 15	
trans-1,2-Dichloroethene	ELCD	3.94	0.099	1049335	9.435E-08	9.4E-08	0	+/- 15	
1,1-Dichloroethane	ELCD	4.93	0.0996	997149	9.988E-08	9.4E-08	-6	+/- 15	
cis-1,2-Dichloroethene	ELCD	5.48	0.1	903010	1.107E-07	0.0000001	-11	+/- 15	
Chloroform	ELCD	6.22	0.0995	935110	1.064E-07	8.8E-08	-21	+/- 15	See FID data
Chloroform	FID	6.65	0.0995	11323	8.787E-06	8.199E-06	-7	+/- 15	
1,1,1-Trichloroethane	ELCD	6.82	0.0985	1035986	9.508E-08	8.6E-08	-11	+/- 15	
Carbon Tetrachloride	ELCD	7.03	0.102	1367082	7.461E-08	7.1E-08	-5	+/- 15	
1,2-Dichloroethane	ELCD	7.37	0.1	1132822	8.828E-08	8.6E-08	-3	+/- 15	
Trichloroethene	ELCD	8.21	0.0994	1198145	8.296E-08	8.2E-08	-1	+/- 15	
1,1,2-Trichloroethane	FID	11.09	0.1	28167	3.55E-06	3.33E-06	-7	+/- 15	
Tetrachloroethene	ELCD	10.91	0.1	1403037	7.127E-08	6.575E-08	-8	+/- 15	
1112 tetrachloroethane	ELCD	12.48	0.0994	1089027	9.127E-08	8.2E-08	-11	+/- 15	
1122 tetrachloroethane	ELCD	14.7	0.102	1017055	1.003E-07	9E-08	-11	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.94	0.2034	1674752	1.215E-07	1.1E-07	-10	+/- 15	
Benzene	PID	7.28	0.104	635805	1.636E-07	1.6E-07	-2	+/- 15	
Toluene	FID	10.04	0.104	145225	7.161E-07	6.6E-07	-9	+/- 15	
Ethyl Benzene	PID	12.49	0.102	510652	1.997E-07	1.8E-07	-11	+/- 15	
m/p-Xylene	PID	12.7	0.207	1300519	1.592E-07	1.5E-07	-6	+/- 15	
o-Xylene	FID	14.82	0.102	165940	6.147E-07	5.66E-07	-9	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.41	0.0996	15374	6.478E-06	0.0000059	-10	+/- 25	

BGPAA 0169

Table 5
Laboratory Check Standard Data

Project #: L1265
Fugro/Burbank
Instrument ID #: 3400-4199

Date Analyzed:	12-21-95
Time Analyzed:	7:48
Labquest File #:	L1265.053
Standard Used:	CAL9517
Volume used:	1000ul

Compound Name	*Detector*	RT (min)	Mass Injected	AREA	Rf	Rf (IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.71	0.113	813982	1.388E-07	1.4E-07	1	+/- 25	
Vinyl Chloride	ELCD	2.19	0.116	932891	1.243E-07	1.3E-07	4	+/- 25	
Chloroethane	ELCD	2.86	0.12	864499	1.388E-07	1.5E-07	7	+/- 25	
Trichlorofluoromethane	ELCD	3.25	0.104	1142042	9.106E-08	8.3E-08	-10	+/- 25	
Dichloromethane	ELCD	4.62	0.0985	989699	9.953E-08	0.0000001	0	+/- 15	
trans-1,2-Dichloroethene	ELCD	4.96	0.099	1010668	9.796E-08	9.4E-08	-4	+/- 15	
1,1-Dichloroethane	ELCD	5.49	0.0996	968215	1.029E-07	9.4E-08	-9	+/- 15	
cis-1,2-Dichloroethene	ELCD	6.24	0.1	919209	1.088E-07	0.0000001	-9	+/- 15	
Chloroform	ELCD	6.67	0.0995	981142	1.014E-07	8.8E-08	-15	+/- 15	
1,1,1-Trichloroethane	ELCD	6.85	0.0985	1021574	9.642E-08	8.6E-08	-12	+/- 15	
Carbon Tetrachloride	ELCD	7.06	0.102	1412604	7.221E-08	7.1E-08	-2	+/- 15	
1,2-Dichloroethane	ELCD	7.39	0.1	1136458	8.799E-08	8.6E-08	-2	+/- 15	
Trichloroethene	ELCD	8.23	0.0994	1133412	8.77E-08	8.2E-08	-7	+/- 15	
1,1,2-Trichloroethane	FID	11.11	0.1	28573	3.5E-06	3.36E-06	-4	+/- 15	
Tetrachloroethene	ELCD	10.93	0.1	1378282	7.255E-08	6.575E-08	-10	+/- 15	
1112 tetrachloroethane	ELCD	12.51	0.0994	1075504	9.242E-08	8.2E-08	-13	+/- 15	
1122 tetrachloroethane	ELCD	14.72	0.102	1003881	1.016E-07	9E-08	-13	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.97	0.2034	1708157	1.191E-07	1.1E-07	-8	+/- 15	
1,1-Dichloroethene	PID	3.92	0.1	200347	4.991E-07	4.1E-07	-22	+/- 15	See ELCD & FID data
1,1-Dichloroethene + DCM	FID	5.05	0.1985	35340	5.617E-06	4.92E-06	-14	+/- 15	
Benzene	PID	7.3	0.104	576109	1.805E-07	1.6E-07	-13	+/- 15	See FID data
Benzene	FID	8.51	0.104	148897	6.985E-07	6.6E-07	-6	+/- 15	
Toluene	PID	10.06	0.104	147339	7.059E-07	6.61E-07	-7	+/- 15	
Ethyl Benzene	PID	12.52	0.102	464759	2.195E-07	1.84E-07	-19	+/- 15	See FID data
Ethyl Benzene +1122PCA	FID	13.99	0.204	144189	1.415E-06	0.0000013	-9	+/- 15	
m/p-Xylene	PID	12.73	0.207	1181537	1.752E-07	1.71E-07	-2	+/- 15	
o-Xylene	FID	14.83	0.102	166542	6.125E-07	5.66E-07	-8	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.42	0.0996	15676	6.354E-06	0.0000059	-8	+/- 25	

BGPAA 0170

Table 5
Laboratory Check Standard Data

Project #: L1265
Fugro/Burbank
Instrument ID#: 3400-4199

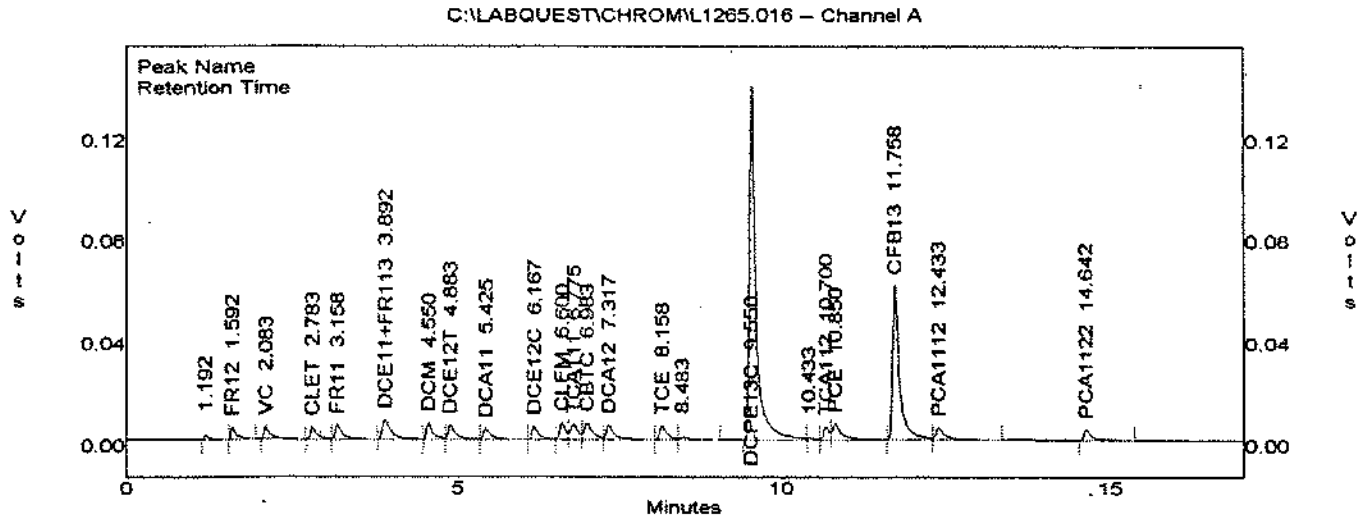
Date Analyzed:	12-22-95
Time Analyzed:	6:57
Labquest File #:	L1265.079
Standard Used:	CAL9517
Volume used:	1000ul

Compound Name	*Detector*	RT(min)	Mass Injected	AREA	Rf	Rf(IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.71	0.113	792843	1.425E-07	1.4E-07	-2	+/- 25	
Vinyl Chloride	ELCD	2.19	0.116	862955	1.344E-07	1.3E-07	-3	+/- 25	
Chloroethane	ELCD	2.86	0.12	839830	1.429E-07	1.5E-07	5	+/- 25	
Trichlorofluoromethane	ELCD	3.25	0.104	1116955	9.311E-08	8.3E-08	-12	+/- 25	
Dichloromethane	ELCD	4.62	0.0985	925563	1.064E-07	0.0000001	-6	+/- 15	
trans-1,2-Dichloroethene	ELCD	4.96	0.099	1037615	9.541E-08	9.4E-08	-2	+/- 15	
1,1-Dichloroethane	ELCD	5.49	0.0996	964764	1.032E-07	9.4E-08	-10	+/- 15	
cis-1,2-Dichloroethene	ELCD	6.24	0.1	912570	1.096E-07	0.0000001	-10	+/- 15	
Chloroform	ELCD	6.67	0.0995	973614	1.022E-07	8.8E-08	-16	+/- 15	See FID data
Chloroform	FID	6.67	0.0995	11841	8.403E-06	0.0000077	-9	+/- 15	
1,1,1-Trichloroethane	ELCD	6.85	0.0985	1061550	9.279E-08	8.6E-08	-8	+/- 15	
Carbon Tetrachloride	ELCD	7.06	0.102	1404014	7.265E-08	7.1E-08	-2	+/- 15	
1,2-Dichloroethane	ELCD	7.39	0.1	1118374	8.942E-08	8.6E-08	-4	+/- 15	
Trichloroethene	ELCD	8.23	0.0994	1127038	8.82E-08	8.2E-08	-8	+/- 15	
1,1,2-Trichloroethane	FID	11.11	0.1	29167	3.429E-06	3.38E-06	-1	+/- 15	
Tetrachloroethene	ELCD	10.93	0.1	1478475	6.764E-08	5.7E-08	-19	+/- 15	
1112 tetrachloroethane	ELCD	12.51	0.0994	1154401	8.611E-08	8.2E-08	-5	+/- 15	
1122 tetrachloroethane	ELCD	14.72	0.102	1092736	9.334E-08	9E-08	-4	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.97	0.2034	1671179	1.217E-07	1.1E-07	-11	+/- 15	
1,1-Dichloroethene	PID	3.92	0.1	183387	5.453E-07	4.1E-07	-33	+/- 15	Use ELCD & FID data
1,1-Dichloroethene + DCM	FID	5.05	0.1985	40595	4.89E-06	0.0000049	0	+/- 15	
Benzene	PID	7.3	0.104	529534	1.964E-07	1.6E-07	-23	+/- 15	See FID data
Benzene	FID	8.51	0.104	149812	6.942E-07	6.6E-07	-5	+/- 15	
Toluene	FID	10.06	0.104	149931	6.937E-07	6.6E-07	-5	+/- 15	
Ethyl Benzene	PID	12.52	0.102	440587	2.315E-07	1.8E-07	-29	+/- 15	See FID data
Ethyl Benzene +1122PCA	FID	13.99	0.204	149339	1.366E-06	0.0000013	-5	+/- 15	
m/p-Xylene	PID	12.73	0.207	1122557	1.844E-07	1.71E-07	-8	+/- 15	
o-Xylene	FID	14.83	0.102	176798	5.769E-07	5.88E-07	2	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.42	0.0996	16028	6.214E-06	0.0000059	-5	+/- 25	

BGPAA 0171

APPENDIX A
CHROMATOGRAMS AND FIELD DATA SHEETS

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.016
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 19, 1995 13:02:58
Printed : Dec 19, 1995 13:20:16
User : PAS



Channel A Results

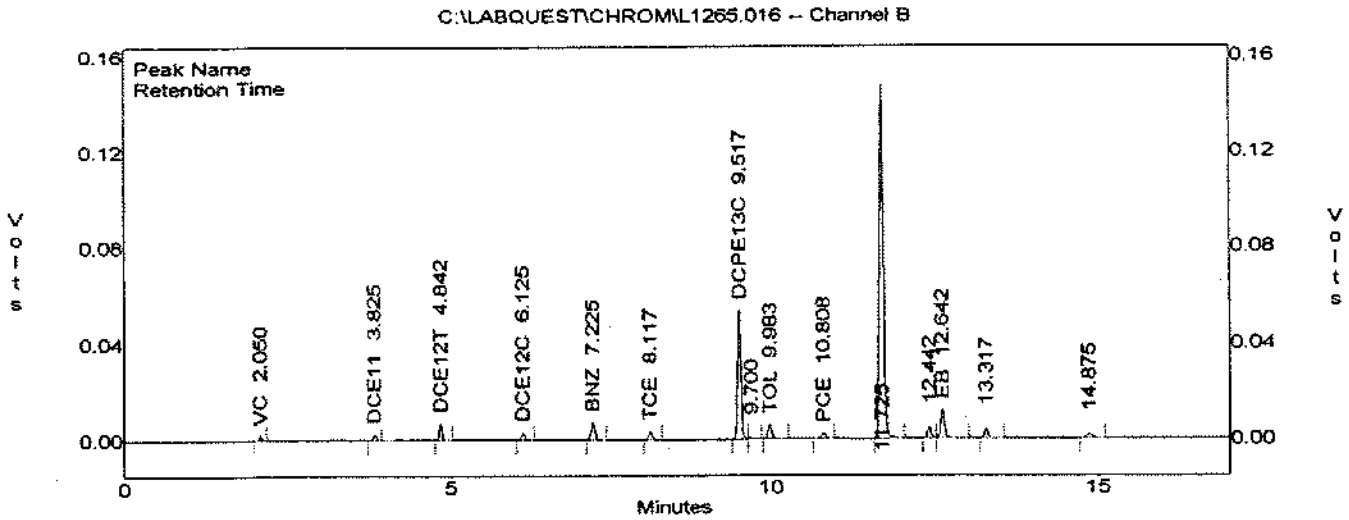
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.192	10946	0.000	0
2	FR12	1.592	25590	0.004	0
3	VC	2.083	32586	0.004	0
4	CLET	2.783	32500	0.005	0
5	FR11	3.158	48246	0.003	0
6	DCE11+FR113	3.892	73415	0.007	0
7	DCM	4.550	45218	0.004	0
8	DCE12T	4.883	45654	0.004	0
9	DCA11	5.425	35738	0.003	0
10	DCE12C	6.167	38782	0.004	0
11	CLFM	6.600	40877	0.004	0
12	TCA111	6.775	47592	0.004	0
13	CBTC	6.983	61269	0.004	0
14	DCA12	7.317	56238	0.004	0
15	TCE	8.158	43824	0.004	0
16		8.483	14397	0.000	0
17	DCPE13C	9.550	993414	0.873	0
18		10.433	8435	0.000	0
19	TCA112	10.700	32667	0.004	0
20	PCE	10.850	72972	0.005	0
21	CFB13	11.758	451045	0.880	0
22	PCA1112	12.433	55140	0.005	0
23	PCA1122	14.642	37991	0.004	0

Totals :

	2304546	1.827

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.016
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 19, 1995 13:02:58
Printed : Dec 19, 1995 13:20:21
User : PAS



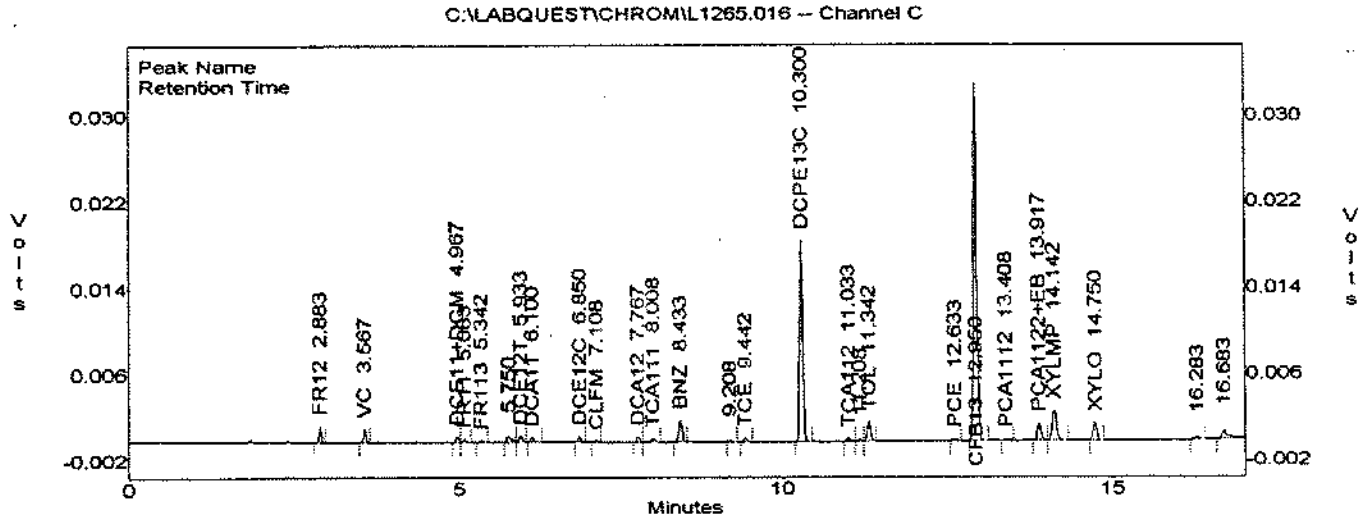
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.050	4673	0.005	0
2	DCE11	3.825	9612 ~~9209~~ PS	0.003	0
3	DCE12T	4.842	21963	0.004	0
4	DCE12C	6.125	11786	0.004	0
5	BNZ	7.225	27706	0.004	0
6	TCE	8.117	13456	0.004	0
7	DCPE13C	9.517	204386	0.961	0
8		9.700	1797	0.000	0
9	TOL	9.983	24432	0.004	0
10	PCE	10.808	10700	0.003	0
11		11.725	606797	0.000	0
--	CFB13	11.790	0	0.000	0
12		12.442	PS ~~19071~~ 19294	0.000	0
13	EB	12.642	50015	0.008	0
--	XYLMP	12.710	0	0.000	0
14	PS	13.317	17240	0.000	0
--	XYLO	13.380	0	0.000	0
15		14.875	11747	0.000	0

Totals :

	1034986	0.999

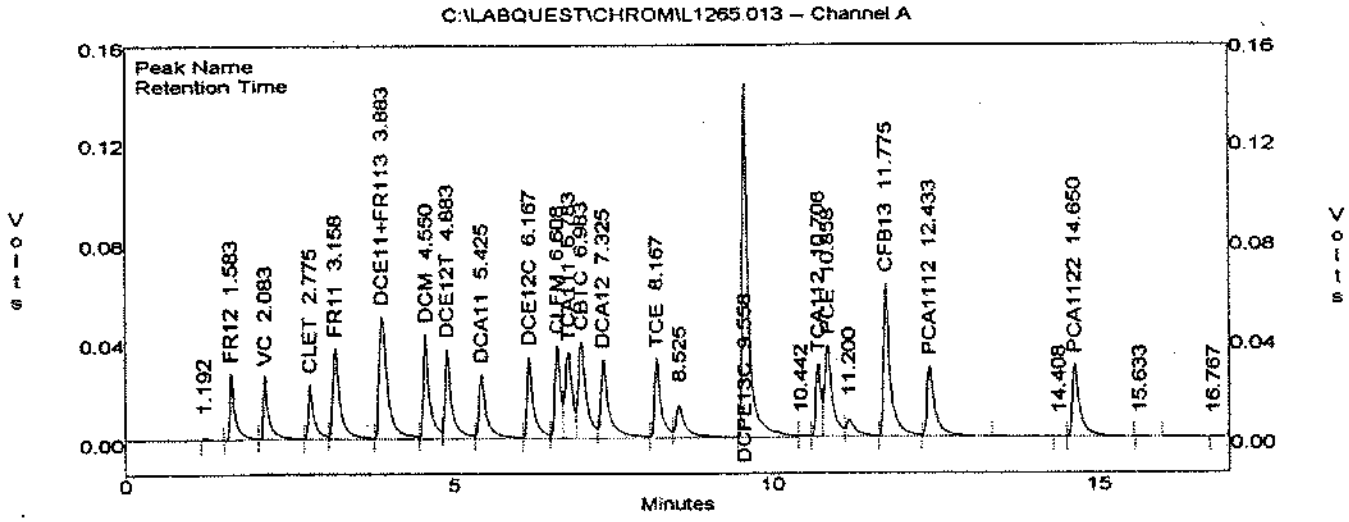
Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.016
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 19, 1995 13:02:58
Printed : Dec 19, 1995 13:20:22
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	FR12	2.883	3293	0.007	0
2	VC	3.567	3398	0.007	0
--	CLET	4.450	0	0.000	0
3	DCE11+DCM	4.967	1818	0.010	0
4	FR11	5.083	943	0.005	0
5	FR113	5.342	825	0.005	0
6		5.750	2790	0.000	0
7	DCE12T	5.933	2076	0.005	0
8	DCA11	6.100	1578	0.004	0
9	DCE12C	6.850	1849	0.005	0
10	CLFM	7.108	552	0.005	0
11	DCA12	7.767	1831	0.005	0
12	TCA111	8.008	1618	0.006	0
13	BNZ	8.433	7251	0.005	0
--	CBTC	8.660	0	0.000	0
14		9.208	579	0.000	0
15	TCE	9.442	1339	0.005	0
16	DCPE13C	10.300	64454	1.006	0
17	TCA112	11.033	1278	0.005	0
18		11.208	524	0.000	0
19	TOL	11.342	6663	0.005	0
20	PCE	12.633	977	0.004	0
21	CFB13	12.950	117162	1.002	0
22	PCA1112	13.408	875	0.004	0
23	PCA1122+EB	13.917	6508	0.009	0
24	XYLMP	14.142	12477	0.008	0
25	XYLO	14.750	6582	0.004	0
26		16.283	959	0.000	0
27		16.683	4496	0.000	0
Totals :			254705	2.119	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.013
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 19, 1995 11:54:38
Printed : Dec 19, 1995 12:11:58
User : PAS

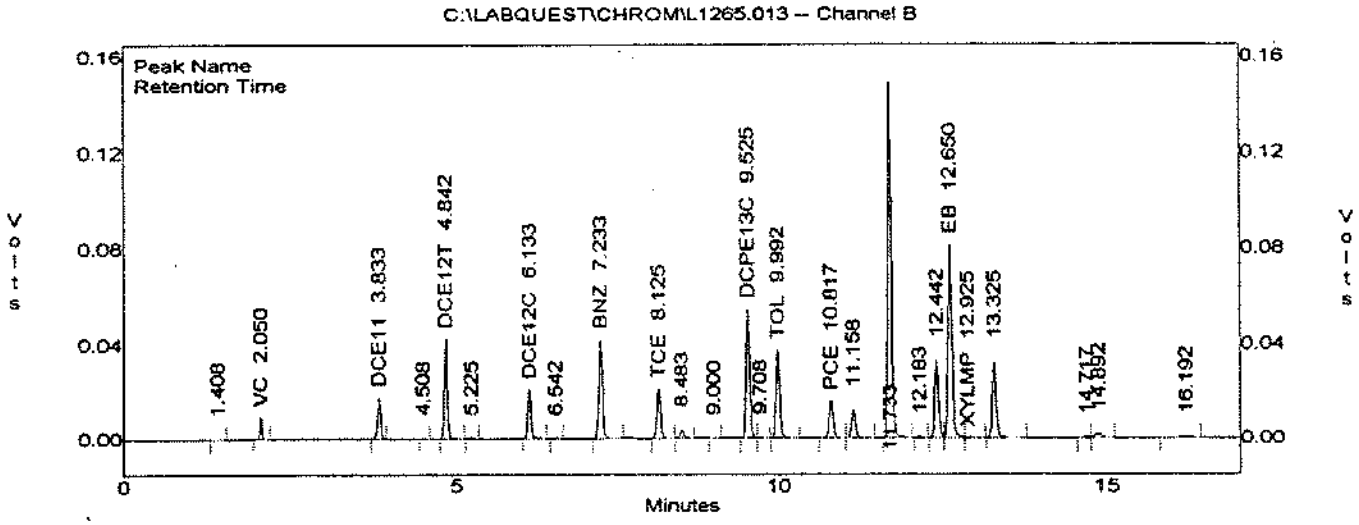


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.192	6750	0.000	0
2	FR12	1.583	145610	0.021	0
3	VC	2.083	159444	0.022	0
4	CLET	2.775	137204	0.020	0
5	FR11	3.158	295623	0.021	0
6	DCE11+FR113	3.883	457719	0.043	0
7	DCM	4.550	276908	0.022	0
8	DCE12T	4.883	266411	0.022	0
9	DCA11	5.425	218563	0.018	0
10	DCE12C	6.167	234538	0.022	0
11	CLFM	6.608	229604	0.021	0
12	TCA111	6.783	267752	0.022	0
13	CBTC	6.983	339566	0.022	0
14	DCA12	7.325	286505	0.022	0
15	TCE	8.167	235068	0.019	0
16		8.525	148032	0.000	0
17	DCPE13C	9.558	1004062	0.882	0
18		10.442	6950	0.000	0
19	TCA112	10.708	168523	0.022	0
20	PCE	10.858	312222	0.021	0
21		11.200	80383	0.000	0
22	CFB13	11.775	462185	0.902	0
23	PCA1112	12.433	252900	0.022	0
24		14.408	1171	0.000	0
25	PCA1122	14.650	243915	0.023	0
26		15.633	2352	0.000	0
27		16.767	522	0.000	0
Totals :			6240496	2.190	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

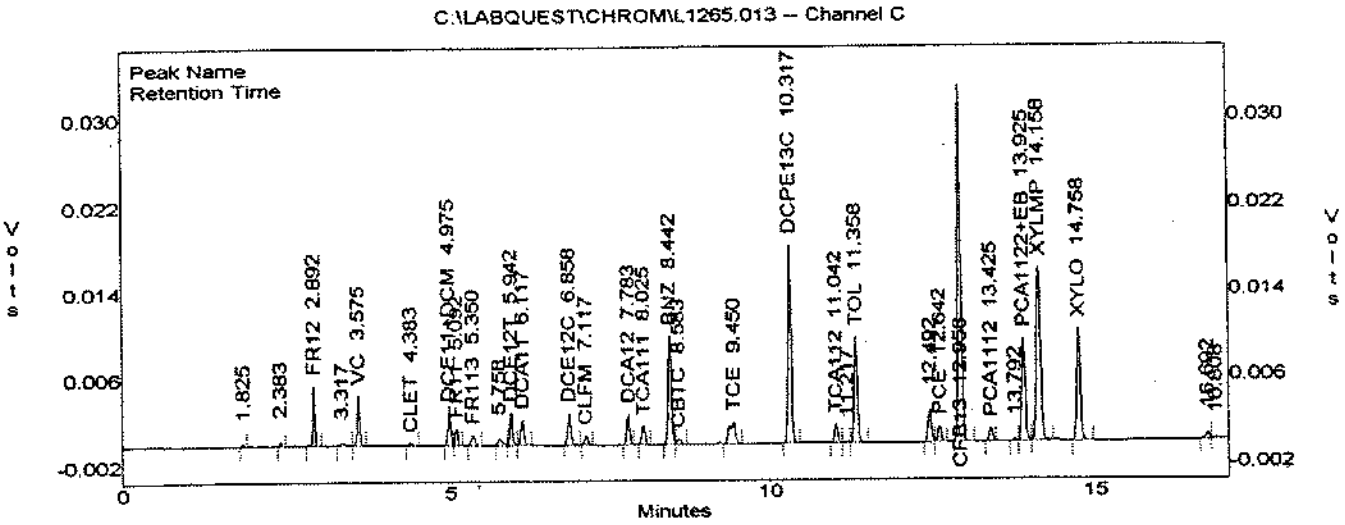
File : C:\LABQUEST\CHROM\L1265.013
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 19, 1995 11:54:38
Printed : Dec 19, 1995 12:12:02
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.408	598	0.000	0
2	VC	2.050	20516	0.021	0
3	DCE11	3.833	60888	0.021	0
4		4.508	1303	0.000	0
5	DCE12T	4.842	137034	0.022	0
6		5.225	931	0.000	0
7	DCE12C	6.133	74232	0.022	0
8		6.542	514	0.000	0
9	BNZ	7.233	166649	0.023	0
10	TCE	8.125	83151	0.022	0
11		8.483	15794	0.000	0
12		9.000	919	0.000	0
13	DCPE13C	9.525	206307	0.970	0
14		9.708	1831	0.000	0
15	TOL	9.992	154260	0.022	0
16	PCE	10.817	67953	0.022	0
17		11.158	50605	0.000	0
18		11.733	610357	0.000	0
--	CFB13	11.790	0	0.000	0
19		12.183	2169	0.000	0
20		12.442	137003	0.000	0
21	EB	12.650	345975	0.058	0
22	XYLMP	12.925	3015	0.000	0
23		13.325	134855	0.000	0
--	XYLO	13.380	0	0.000	0
24		14.717	2548	0.000	0
25		14.892	13535	0.000	0
26		16.192	6041	0.000	0
Totals :			2298994	1.203	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.013
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 19, 1995 11:54:38
Printed : Dec 19, 1995 12:12:04
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.825	517	0.000	0
2		2.383	1072	0.000	0
3	FR12	2.892	12011	0.025	0
4		3.317	2214	0.000	0
5	VC	3.575	12098	0.025	0
6	CLET	4.383	882	0.024	0
7	DCE11+DCM	4.975	9575	0.050	0
8	FR11	5.092	4604	0.024	0
9	FR113	5.350	4126	0.024	0
10		5.758	3337	0.000	0
11	DCE12T	5.942	9618	0.025	0
12	DCA11	6.117	8268	0.021	0
13	DCE12C	6.858	9854	0.026	0
14	CLFM	7.117	2895	0.024	0
15	DCA12	7.783	9059	0.024	0
16	TCA111	8.025	6752	0.024	0
17	BNZ	8.442	35622	0.025	0
18	CBTC	8.583	2290	0.025	0
19	TCE	9.450	12972	0.046	0
20	DCPE13C	10.317	64089	1.000	0
21	TCA112	11.042	6668	0.024	0
22		11.217	571	0.000	0
23	TOL	11.358	34955	0.024	0
24		12.492	11088	0.000	0
25	PCE	12.642	5552	0.025	0
26	CFB13	12.958	116891	0.999	0
27	PCA1112	13.425	5027	0.023	0
28		13.792	687	0.000	0
29	PCA1122+EB	13.925	35464	0.049	0
30	XYLMP	14.158	71168	0.048	0
31	XYLO	14.758	40472	0.024	0
32		16.692	2495	0.000	0
33		16.808	1209	0.000	0

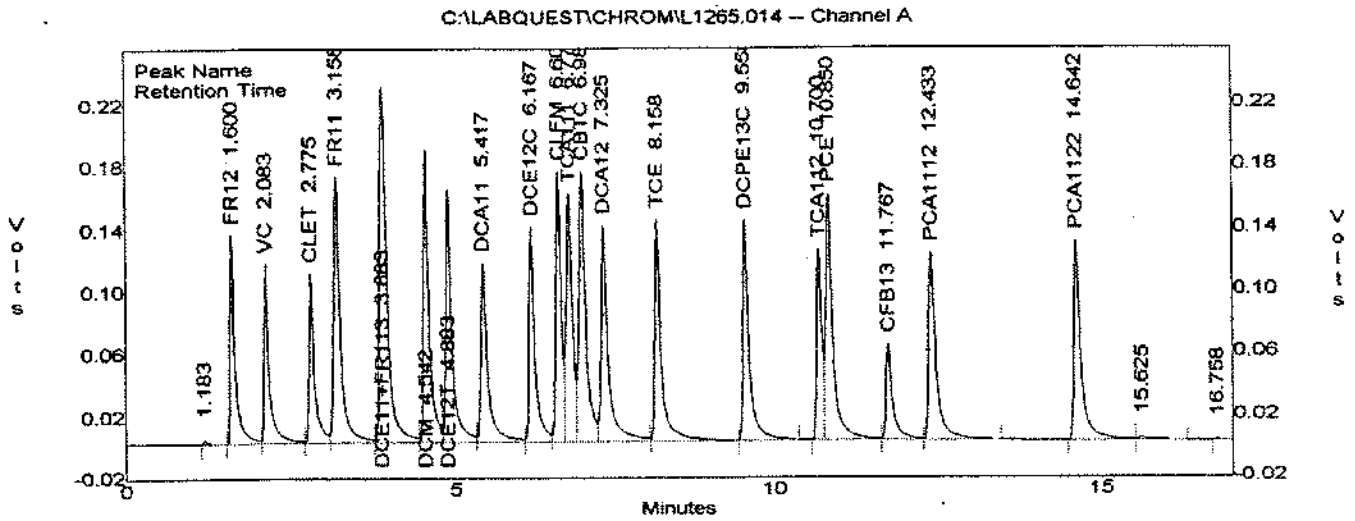
Continued...

File : C:\LABQUEST\CHROM\L1265.013
Method : C:\LABQUEST\METHODS\L1265.MET
mple ID : 50UL CAL9516
quired : Dec 19, 1995 11:54:38
inted : Dec 19, 1995 12:12:06
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :			544114	2.630	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.014
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 19, 1995 12:17:41
Printed : Dec 19, 1995 12:34:59
User : PAS



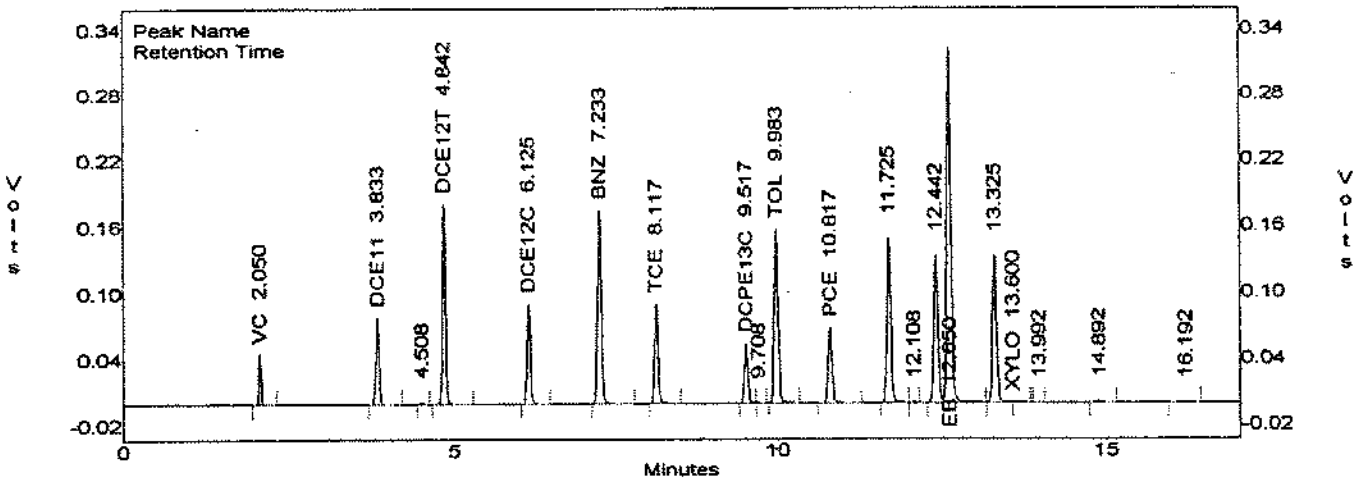
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.183	11328	0.000	0
2	FR12	1.600	650092	0.092	0
3	VC	2.083	621371	0.085	0
4	CLET	2.775	617410	0.092	0
5	FR11	3.158	1203788	0.087	0
6	DCE11+FR113	3.883	1867055	0.177	0
7	DCM	4.542	1103966	0.089	0
8	DCE12T	4.883	1046682	0.087	0
9	DCA11	5.417	872080	0.072	0
10	DCE12C	6.167	896776	0.084	0
11	CLFM	6.600	958512	0.086	0
12	TCA111	6.775	1142718	0.093	0
13	CBTC	6.983	1340696	0.088	0
14	DCA12	7.325	1064846	0.083	0
15	TCE	8.158	1045024	0.083	0
16	DCPE13C	9.558	971597	0.854	0
17	TCA112	10.700	666464	0.087	0
18	PCE	10.850	1263084	0.086	0
19	CFB13	11.767	461915	0.901	0
20	PCA1112	12.433	950116	0.084	0
21	PCA1122	14.642	966613	0.090	0
22		15.625	23967	0.000	0
23		16.758	3005	0.000	0
Totals :			19749114	3.399	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.014
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 19, 1995 12:17:41
Printed : Dec 19, 1995 12:35:02
User : PAS

C:\LABQUEST\CHROM\L1265.014 – Channel B



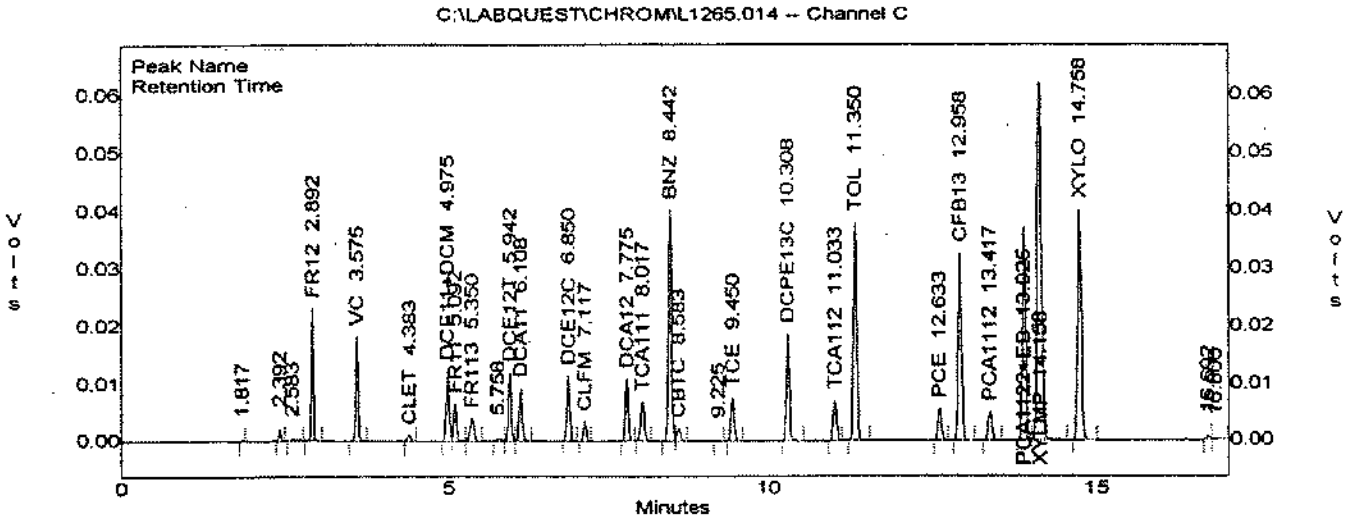
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.050	97479	0.099	0
2	DCE11	3.833	279034	0.096	0
3		4.508	5450	0.000	0
4	DCE12T	4.842	578666	0.092	0
5	DCE12C	6.125	318995	0.095	0
6	BNZ	7.233	701667	0.097	0
7	TCE	8.117	355226	0.093	0
8	DCPE13C	9.517	206399	0.971	0
9		9.708	1391	0.000	0
10	TOL	9.983	645058	0.094	0
11	PCE	10.817	291047	0.093	0
12		11.725	610799	0.000	0
--	CFB13	11.790	0	0.000	0
13		12.108	1587	0.000	0
14		12.442	563617	0.000	0
15	EB	12.650	1384417	0.232	0
--	PS XYLMP	12.710	0	0.000	0
16	XYLO	13.325	569692	0.000	0
17	~~XYLO~~ PS	13.600	1070	0.000	0
18		13.992	908	0.000	0
19		14.892	12722	0.000	0
20		16.192	5951	0.000	0

Totals :

	6631183	1.962

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.014
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 19, 1995 12:17:41
Printed : Dec 19, 1995 12:35:04
User : PAS



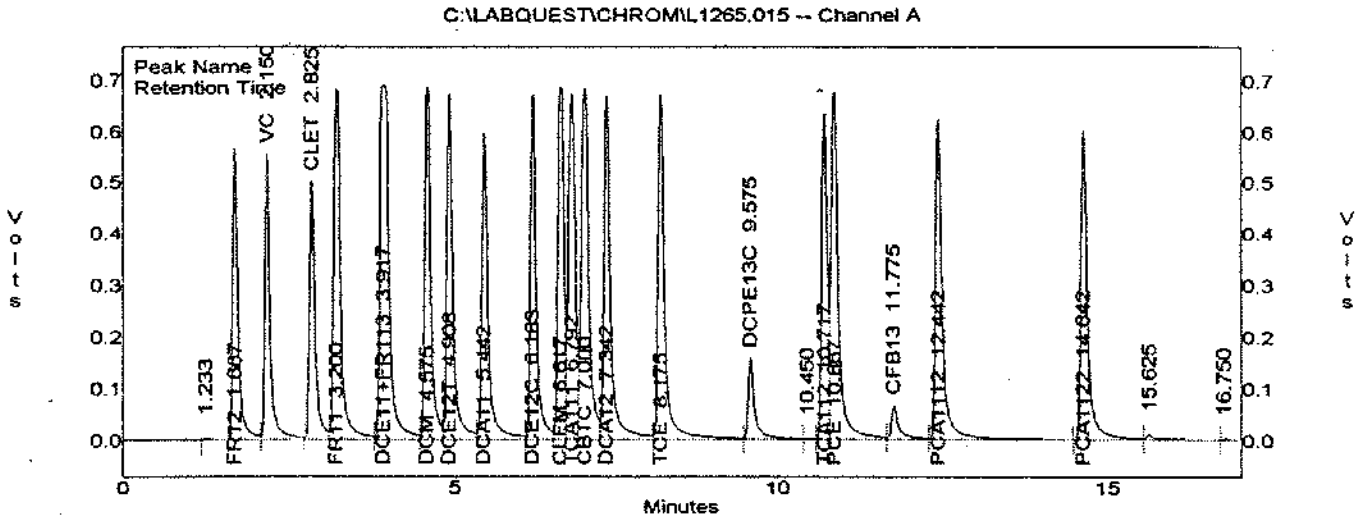
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.817	572	0.000	0
2		2.392	4331	0.000	0
3		2.583	1490	0.000	0
4	FR12	2.892	48017	0.099	0
5	VC	3.575	47163	0.099	0
6	CLET	4.383	3668	0.101	0
7	DCE11+DCM	4.975	38837	0.205	0
8	FR11	5.092	18752	0.098	0
9	FR113	5.350	17224	0.101	0
10		5.758	2628	0.000	0
11	DCE12T	5.942	35996	0.094	0
12	DCA11	6.108	32241	0.083	0
13	DCE12C	6.850	36993	0.097	0
14	CLFM	7.117	11858	0.100	0
15	DCA12	7.775	36305	0.095	0
16	TCA111	8.017	27970	0.099	0
17	BNZ	8.442	141788	0.099	0
18	CBTC	8.583	9159	0.099	0
19		9.225	522	0.000	0
20	TCE	9.450	26841	0.095	0
21	DCPE13C	10.308	65273	1.018	0
22	TCA112	11.033	26403	0.094	0
23	TOL	11.350	138171	0.096	0
24	PCE	12.633	21423	0.095	0
25	CFB13	12.958	118148	1.010	0
26	PCA1112	13.417	20526	0.096	0
27	PCA1122+EB	13.925	138493	0.192	0
28	XYLMP	14.158	278581	0.190	0
29	XYLO	14.758	157949	0.095	0
30		16.692	2039	0.000	0
31		16.800	1113	0.000	0

Totals :

	1510483	4.448

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.015
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 19, 1995 12:40:14
Printed : Dec 19, 1995 12:57:32
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.233	22625	0.000	0
2	FR12	1.667	3214520	0.457	0
3	VC	2.150	3126889	0.427	0
4	CLET	2.825	2816385	0.418	0
5	FR11	3.200	5175558	0.374	0
6	DCE11+FR113	3.917	6841531	0.649	0
7	DCM	4.575	4415298	0.357	0
8	DCE12T	4.908	4306721	0.357	0
9	DCA11	5.442	4110177	0.340	0
10	DCE12C	6.183	4303078	0.404	0
11	CLFM	6.617	4527472	0.404	0
12	TCA111	6.792	5031779	0.411	0
13	CBTC	7.000	5732766	0.375	0
14	DCA12	7.342	4835331	0.376	0
15	TCE	8.175	4990343	0.399	0
16	DCPE13C	9.575	1183975	1.040	0
17		10.450	23284	0.000	0
18	TCA112	10.717	3680731	0.479	0
19	PCE	10.867	5587397	0.379	0
20	CFB13	11.775	590505	1.152	0
21	PCA1112	12.442	4837091	0.426	0
22	PCA1122	14.642	4318534	0.402	0
23		15.625	126532	0.000	0
24		16.750	14222	0.000	0

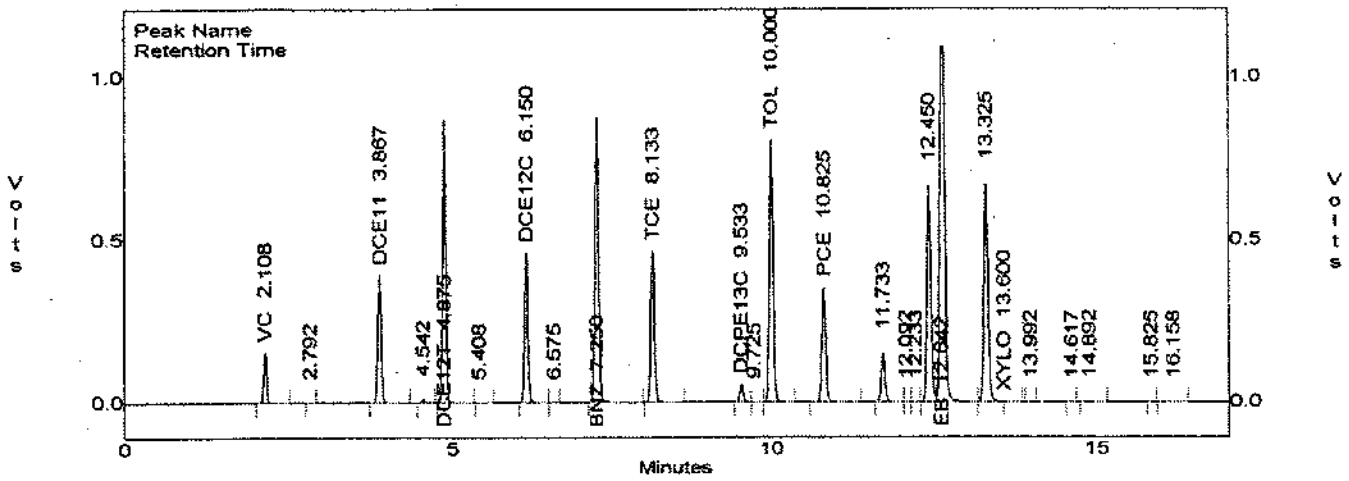
Totals :

	83812752	9.626

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.015
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 19, 1995 12:40:14
Printed : Dec 19, 1995 12:57:37
User : PAS

C:\LABQUEST\CHROM\L1265.015 – Channel B



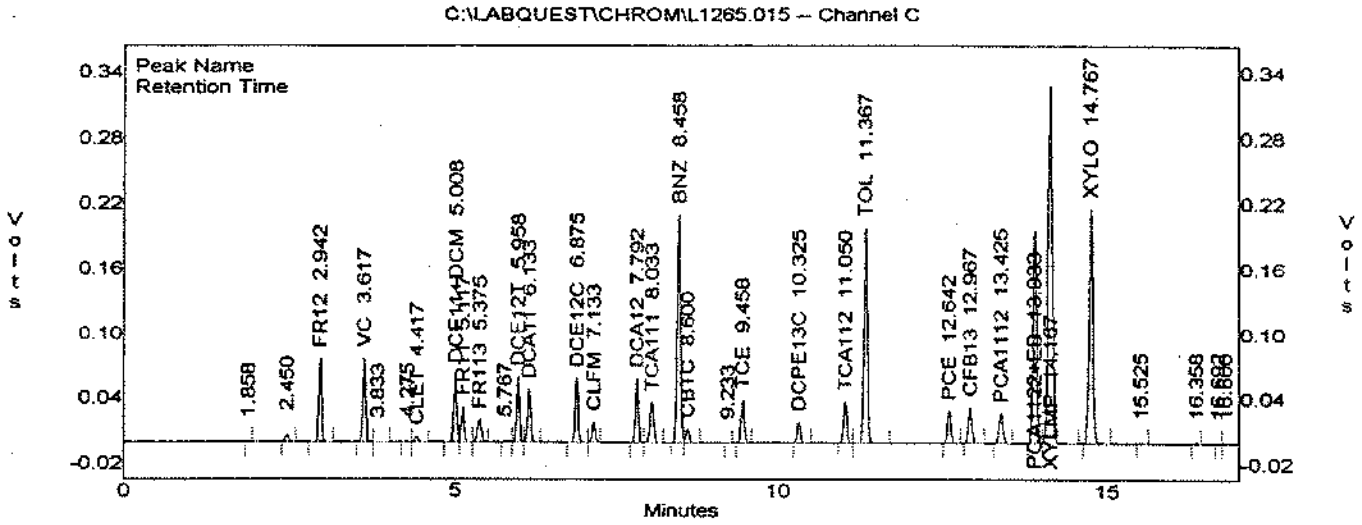
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.108	519414	0.527	0
2		2.792	1653	0.000	0
3	DCE11	3.867	1471349	0.509	0
4		4.542	34483	0.000	0
5	DCE12T	4.875	2935852	0.469	0
6		5.408	3857	0.000	0
7	DCE12C	6.150	1676393	0.501	0
8		6.575	955	0.000	0
9	BNZ	7.250	3537572	0.489	0
10	TCE	8.133	1859556	0.485	0
11	DCPE13C	9.533	207053	0.974	0
12		9.725	1756	0.000	0
13	TOL	10.000	3340440	0.487	0
14	PCE	10.825	1513159	0.481	0
15		11.733	608293	0.000	0
--	CFB13	11.790	0	0.000	0
16		12.092	515	0.000	0
17		12.233	706	0.000	0
18		12.450	2863550	0.000	0
19	EB	12.642	5929350	0.993	0
--	XYLMP	12.710	0	0.000	0
20		13.325	2964433	0.000	0
21	XYLO	13.600	7804	0.001	0
22		13.992	12389	0.000	0
23		14.617	855	0.000	0
24		14.892	13290	0.000	0
25		15.825	513	0.000	0
26		16.158	5887	0.000	0

Totals :

	29511084	5.915

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.015
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 19, 1995 12:40:14
Printed : Dec 19, 1995 12:57:39
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.858	858	0.000	0
2		2.450	22930	0.000	0
3	FR12	2.942	254049	0.526	0
4	VC	3.617	248234	0.523	0
5		3.833	770	0.000	0
6		4.275	1411	0.000	0
7	CLET	4.417	19902	0.547	0
8	DCE11+DCM	5.008	204498	1.077	0
9	FR11	5.117	98719	0.515	0
10	FR113	5.375	90164	0.528	0
11		5.767	5215	0.000	0
12	DCE12T	5.958	186345	0.485	0
13	DCA11	6.133	168561	0.436	0
14	DCE12C	6.875	195026	0.510	0
15	CLFM	7.133	63485	0.537	0
16	DCA12	7.792	192352	0.504	0
17	TCA111	8.033	150090	0.529	0
18	BNZ	8.458	740936	0.516	0
19	CBTC	8.600	48388	0.525	0
20		9.233	521	0.000	0
21	TCE	9.458	139925	0.493	0
22	DCPE13C	10.325	64823	1.011	0
23	TCA112	11.050	138709	0.496	0
24	TOL	11.367	721898	0.500	0
25	PCE	12.642	111253	0.491	0
26	CFB13	12.967	118783	1.015	0
27	PCA1112	13.425	106228	0.494	0
28	PCA1122+EB	13.933	726453	1.005	0
29	XYLMP	14.167	1455397	0.991	0
30	XYLO	14.767	832256	0.501	0
31		15.525	1534	0.000	0
32		16.358	1324	0.000	0
33		16.692	2051	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.015
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
uired : Dec 19, 1995 12:40:14
..inted : Dec 19, 1995 12:57:41
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		16.800	1229	0.000	0

Totals :

	7114333	14.757

Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:34
Channel : A
Peak : FR12

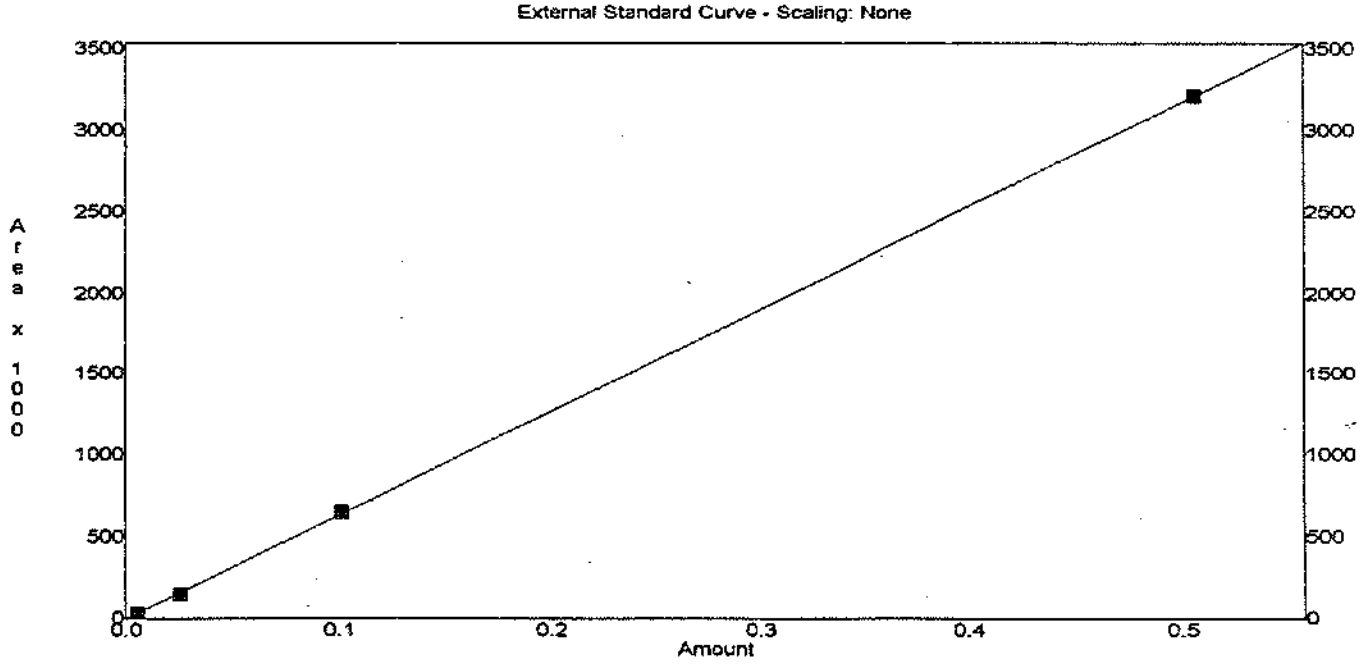
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	25590	0.0058	2.267e-007	25590					0	0
2	145610	0.0253	1.738e-007	145610					0	0
3	650092	0.1012	1.557e-007	650092					0	0
4	3214521	0.506	1.574e-007	3214521					0	0

Average RF: 1.78371e-007
RF StdDev: 3.32012e-008
RF %RSD: 18.6136

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.574e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:39
Channel : A
Peak : VC

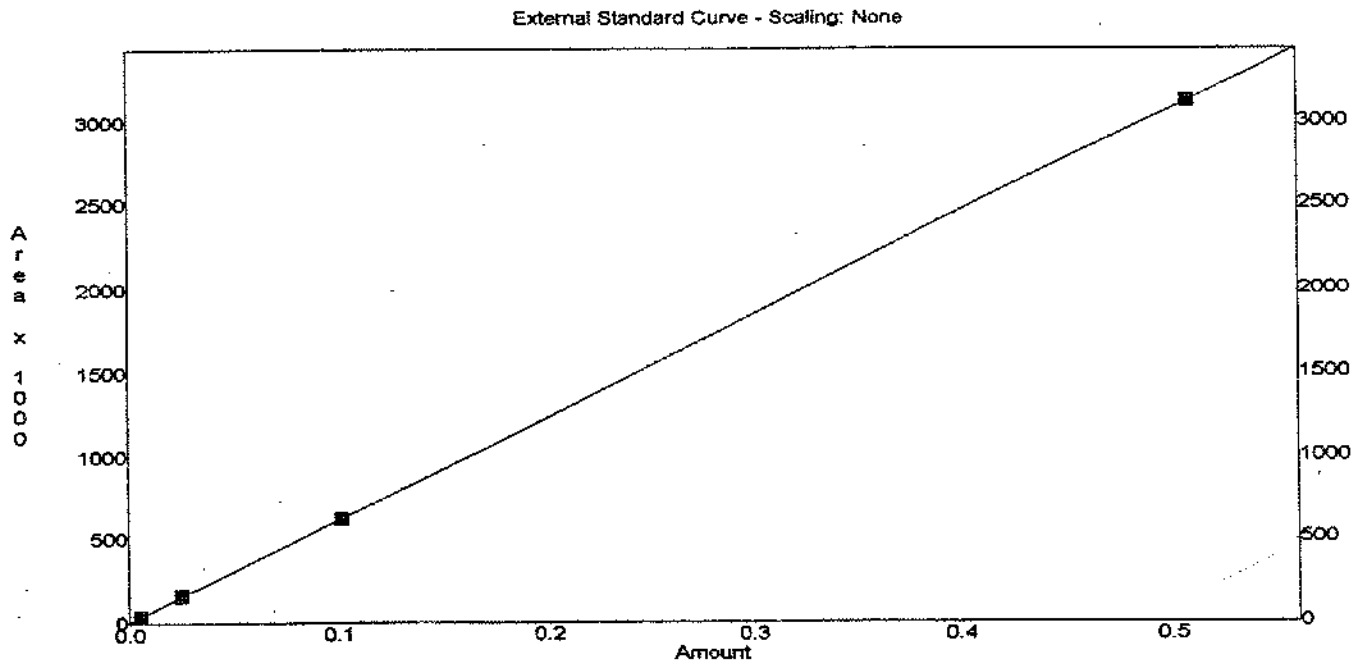
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	32587	0.0056	1.718e-007	32587					0	
2	159445	0.0254	1.593e-007	159445					0	
3	621371	0.1016	1.635e-007	621371					0	0
4	3126889	0.508	1.625e-007	3126889					0	0

Average RF: 1.64281e-007
RF StdDev: 5.35298e-009
RF %RSD: 3.25844

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.625e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:40
Channel : A
Peak : CLET

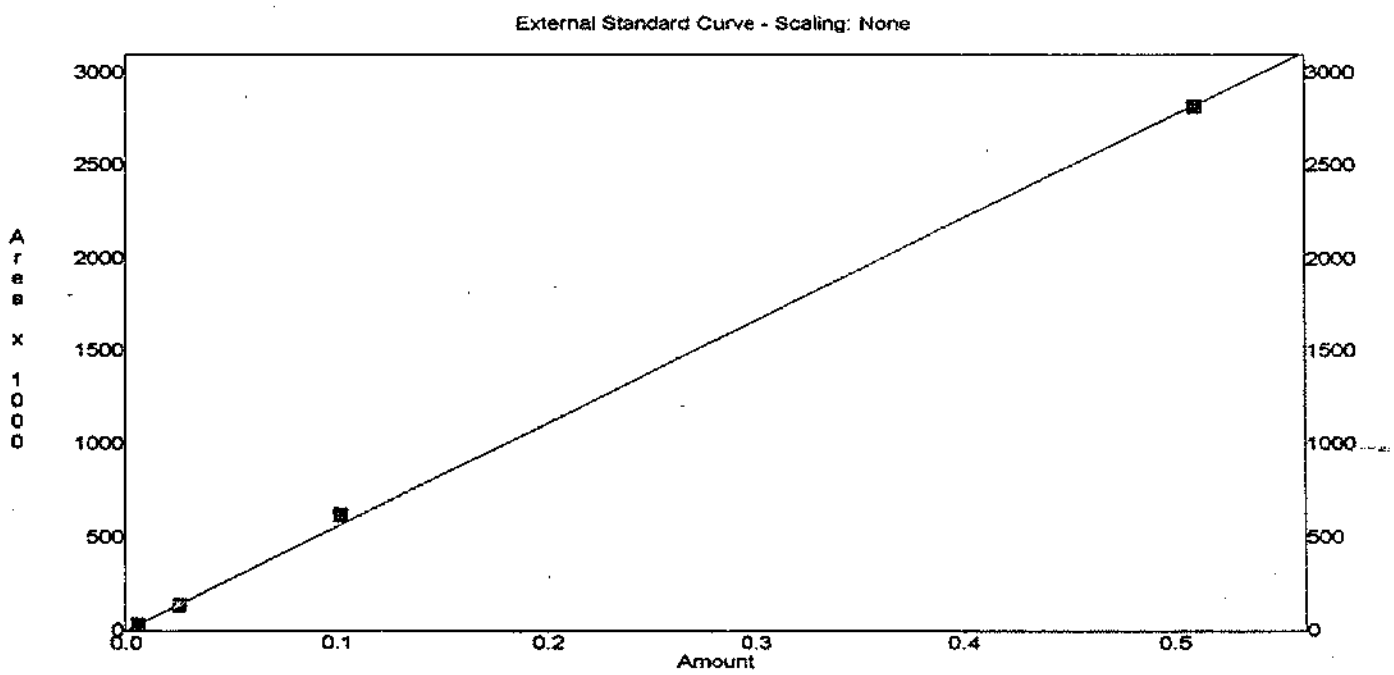
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	32501	0.006	1.846e-007	32501					0	0
2	137204	0.0255	1.859e-007	137204					0	0
3	617411	0.102	1.652e-007	617411					0	0
4	2816386	0.51	1.811e-007	2816386					0	0

Average RF: 1.79189e-007
RF StdDev: 9.5386e-009
RF %RSD: 5.32321

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.804e-007 x Area + 0.000e+000
R^2 = 0.9994



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:42
Channel : A
Peak : FR11

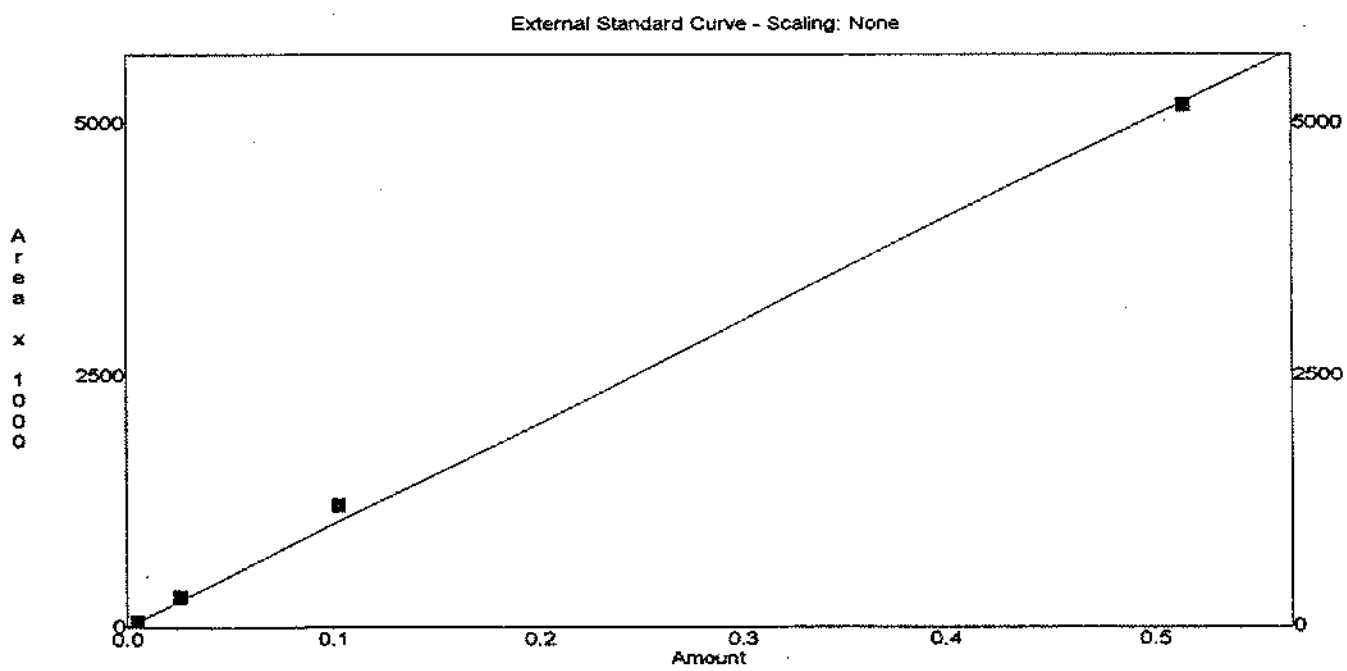
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	48246	0.00514	1.065e-007	48246					0	
2	295624	0.0257	8.693e-008	295624					0	
3	1203788	0.1028	8.54e-008	1203788					0	
4	5175559	0.514	9.931e-008	5175559					0	

Average RF: 9.45453e-008
RF StdDev: 1.01345e-008
RF %RSD: 10.7192

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.856e-008 x Area + 0.000e+000
R^2 = 0.9984



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:43
Channel : A
Peak : DCE11+FR113

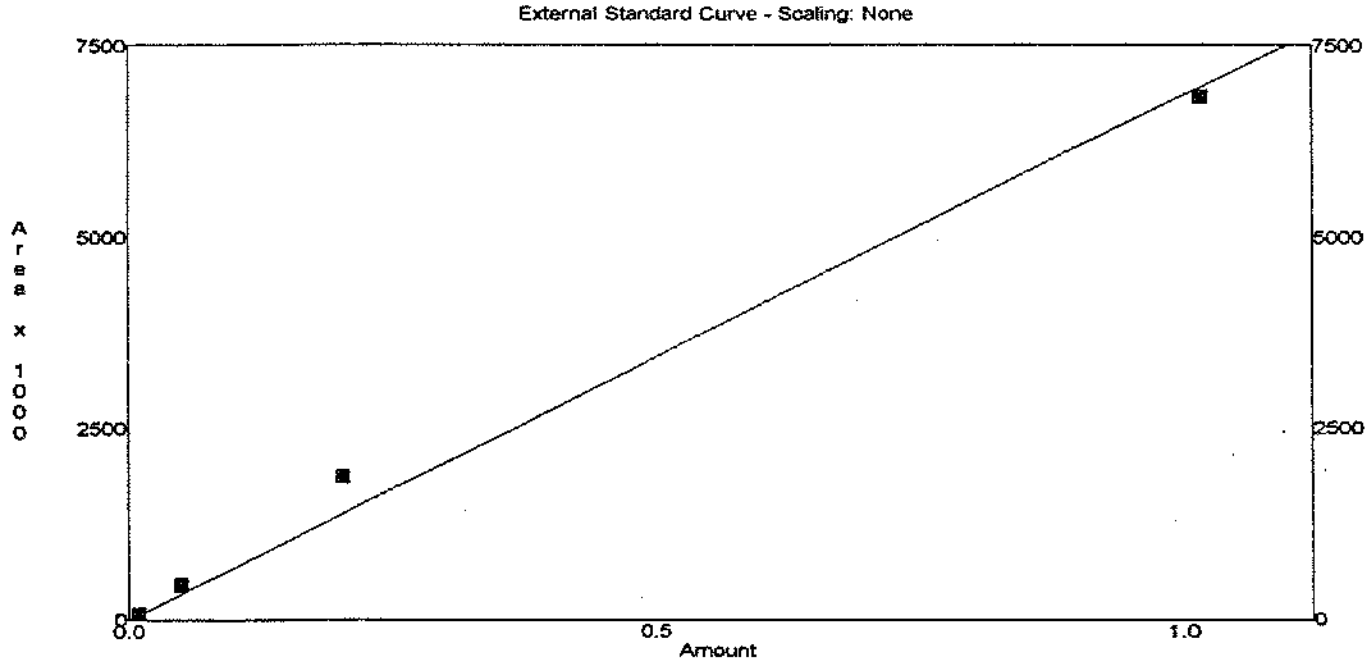
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	73416	0.01017	1.385e-007	73416					0	0
2	457719	0.0509	1.112e-007	457719					0	0
3	1867056	0.2034	1.089e-007	1867056					0	0
4	6841531	1.017	1.487e-007	6841531					0	0

Average RF: 1.2683e-007
RF StdDev: 1.98085e-008
RF %RSD: 15.6181

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.458e-007 x Area + 0.000e+000
R^2 = 0.9920



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:44
Channel : A
Peak : DCM

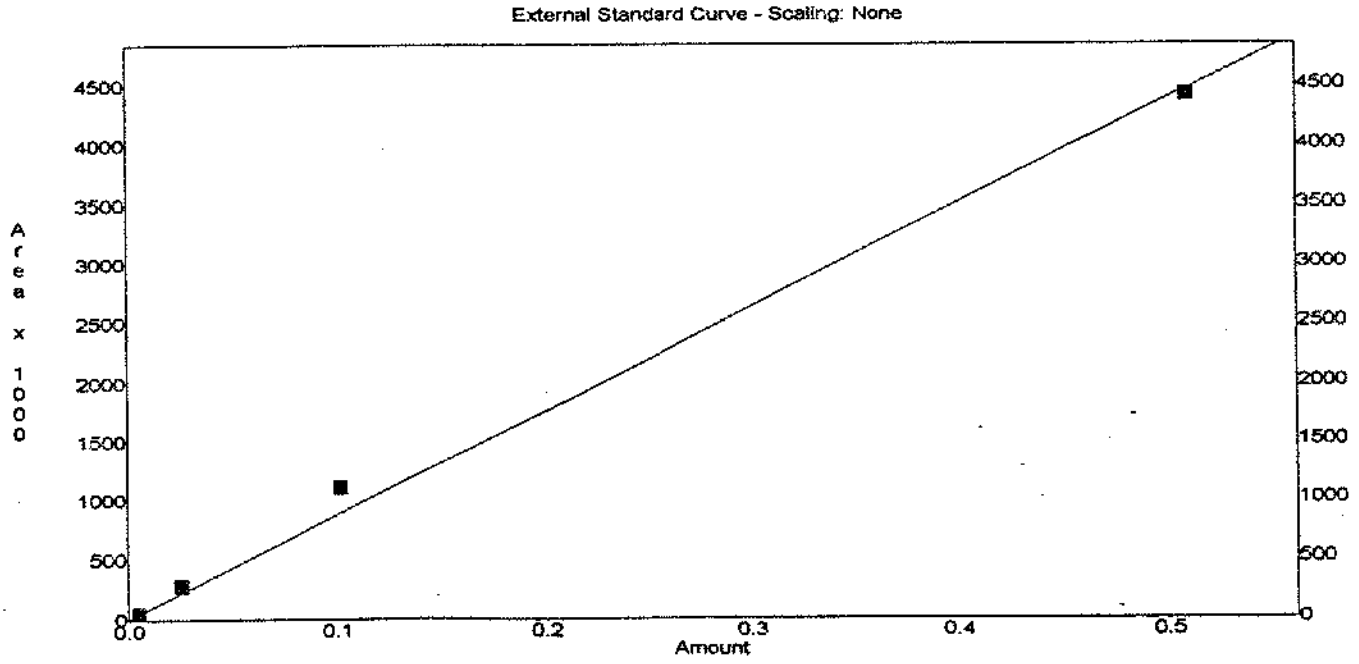
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	45218	0.00509	1.126e-007	45218					0	
2	276908	0.0255	9.209e-008	276908					0	
3	1103966	0.1018	9.221e-008	1103966					0	
4	4415298	0.509	1.153e-007	4415298					0	

Average RF: 1.03037e-007
RF StdDev: 1.26193e-008
RF %RSD: 12.2474

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.138e-007 x Area + 0.000e+000
R^2 = 0.9961



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:45
Channel : A
Peak : DCE12T

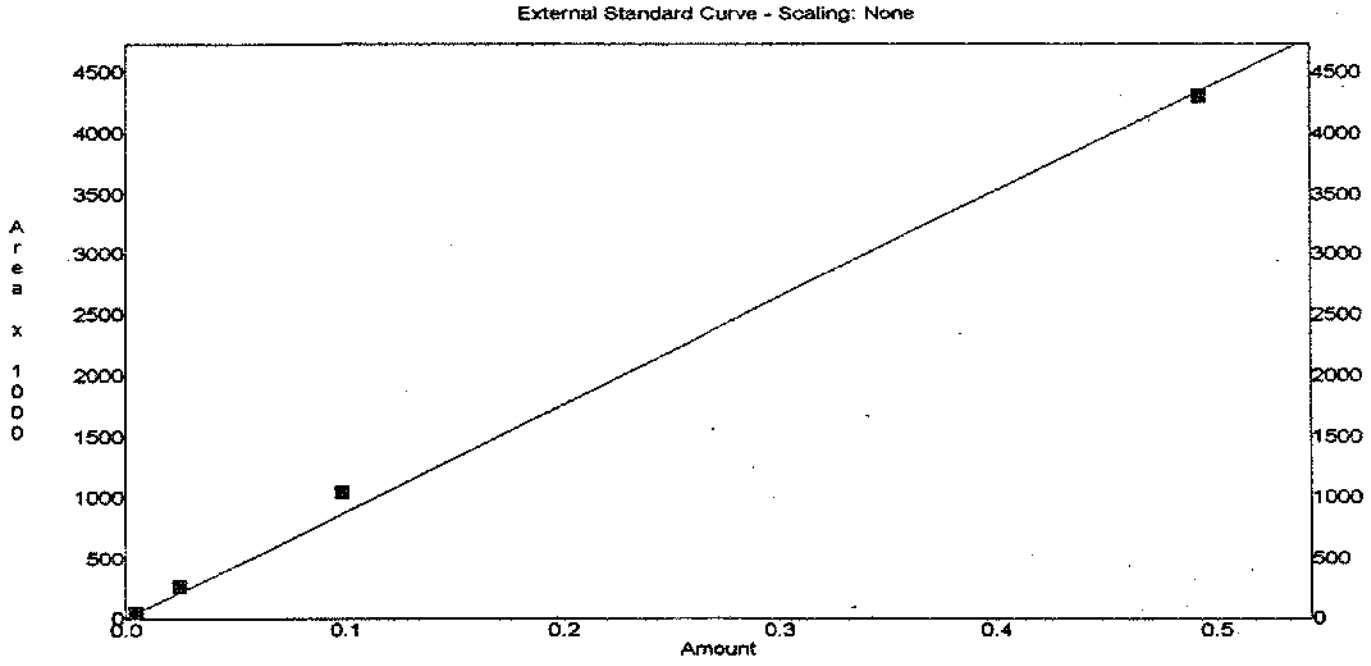
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	45654	0.00493	1.08e-007	45654					0	0
2	266412	0.02465	9.253e-008	266412					0	0
3	1046683	0.0986	9.42e-008	1046683					0	0
4	4306722	0.493	1.145e-007	4306722					0	0

Average RF: 1.02297e-007
RF StdDev: 1.06708e-008
RF %RSD: 10.4313

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.133e-007 x Area + 0.000e+000
R^2 = 0.9971



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:46
Channel : A
Peak : DCA11

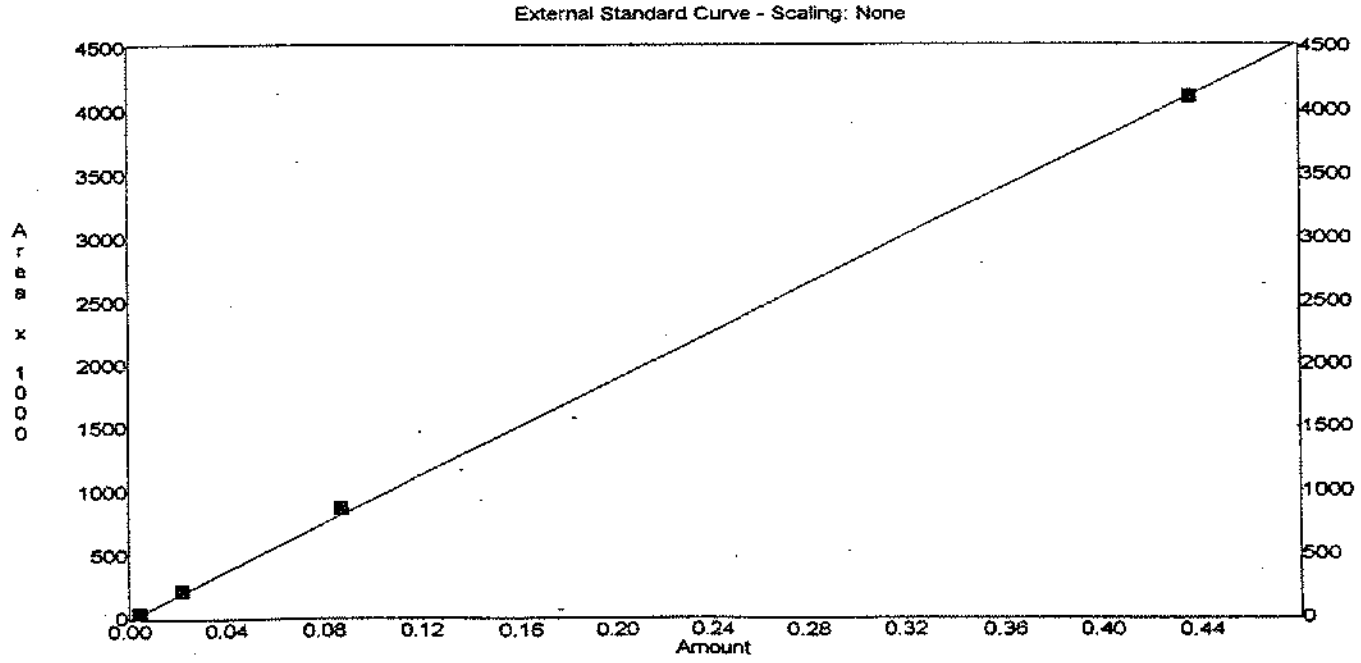
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	35739	0.00436	1.22e-007	35739					0	0
2	218563	0.0218	9.974e-008	218563					0	0
3	872080	0.0872	9.999e-008	872080					0	
4	4110178	0.436	1.061e-007	4110178					0	

Average RF: 1.06952e-007
RF StdDev: 1.0449e-008
RF %RSD: 9.76981

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.058e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:48
Channel : A
Peak : DCE12C

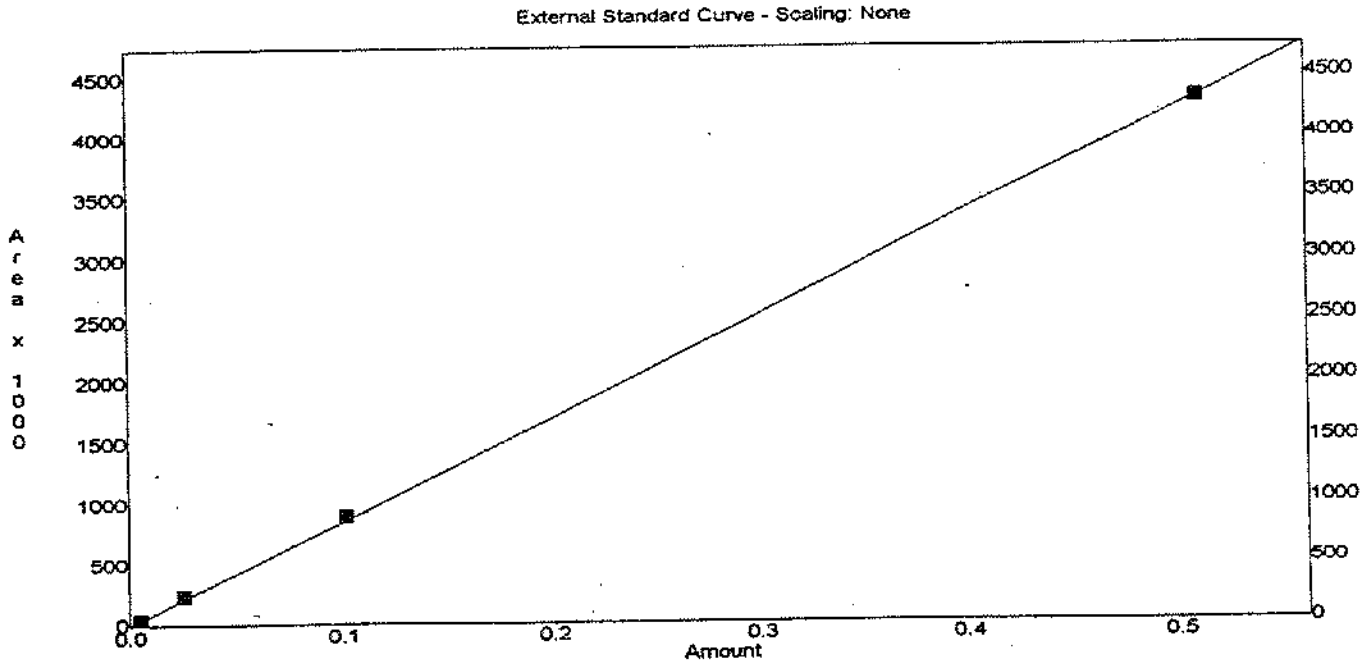
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	38782	0.0051	1.315e-007	38782					0	0
2	234539	0.0255	1.087e-007	234539					0	0
3	896776	0.102	1.137e-007	896776					0	0
4	4303078	0.51	1.185e-007	4303078					0	0

Average RF: 1.18122e-007
RF StdDev: 9.77661e-009
RF %RSD: 8.2767

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.183e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:49
Channel : A
Peak : CLFM

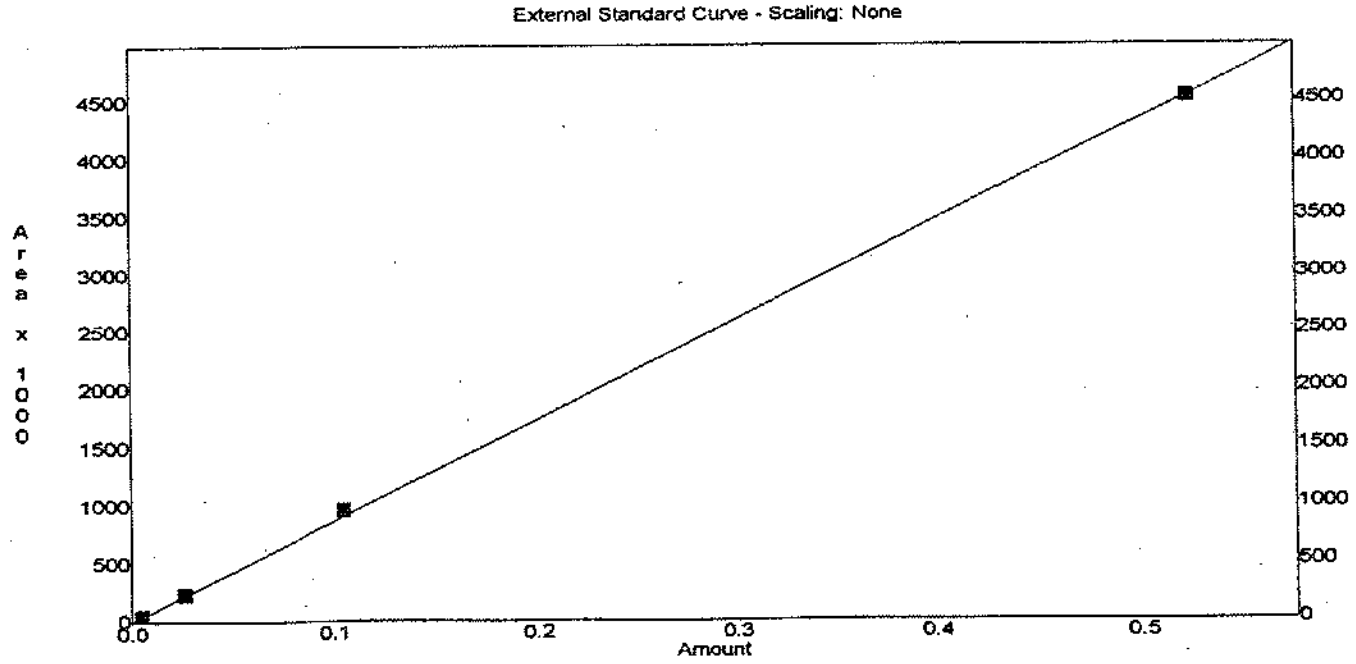
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	40878	0.00523	1.279e-007	40878					0	
2	229604	0.0265	1.154e-007	229604					0	0
3	958512	0.105	1.095e-007	958512					0	0
4	4527473	0.523	1.155e-007	4527473					0	-

Average RF: 1.17105e-007
RF StdDev: 7.74595e-009
RF %RSD: 6.61452

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.153e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:50
Channel : A
Peak : TCA111

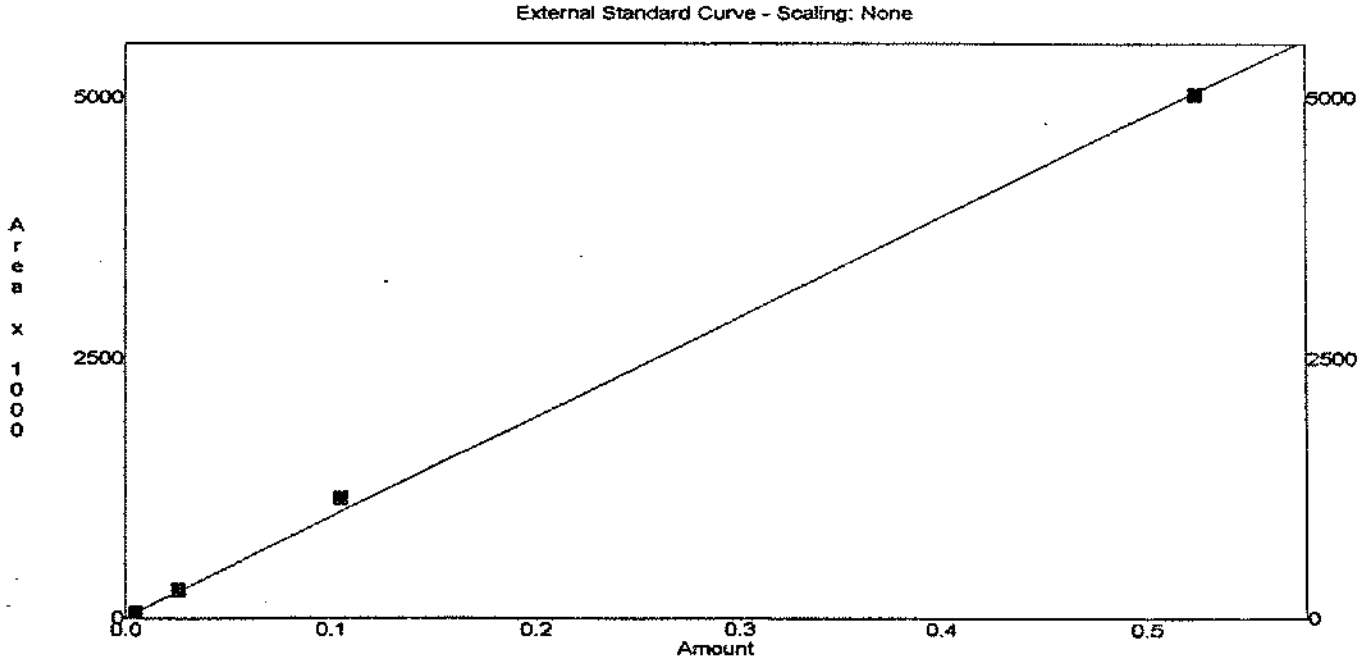
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	47592	0.00524	1.101e-007	47592					0	0
2	267753	0.0262	9.785e-008	267753					0	0
3	1142718	0.1048	9.171e-008	1142718					0	0
4	5031780	0.524	1.041e-007	5031780					0	0

Average RF: 1.00951e-007
RF StdDev: 7.93495e-009
RF %RSD: 7.86022

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.035e-007 x Area + 0.000e+000
R^2 = 0.9989



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:52
Channel : A
Peak : CBTC

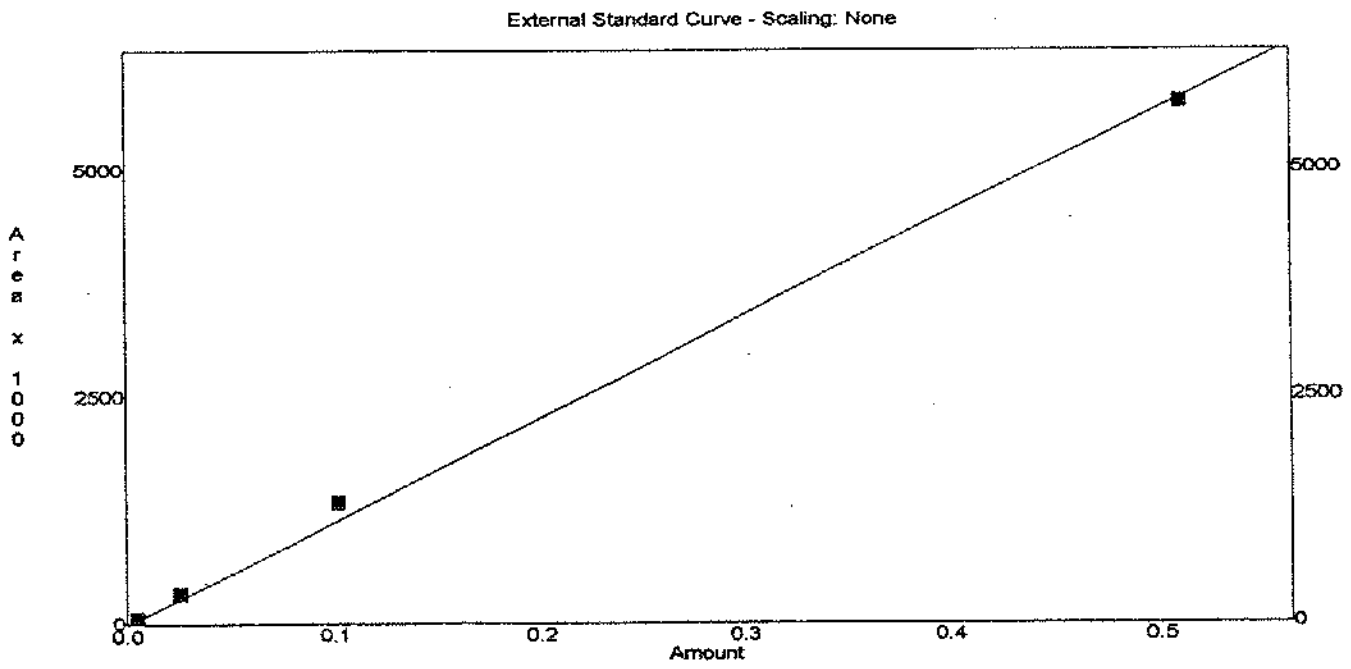
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	61270	0.0051	8.324e-008	61270					0	
2	339566	0.0255	7.51e-008	339566					0	
3	1340697	0.102	7.608e-008	1340697					0	
4	5732766	0.51	8.896e-008	5732766					0	

Average RF: 8.08441e-008
RF StdDev: 6.51611e-009
RF %RSD: 8.06009

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.825e-008 x Area + 0.000e+000
R^2 = 0.9982



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:53
Channel : A
Peak : DCA12

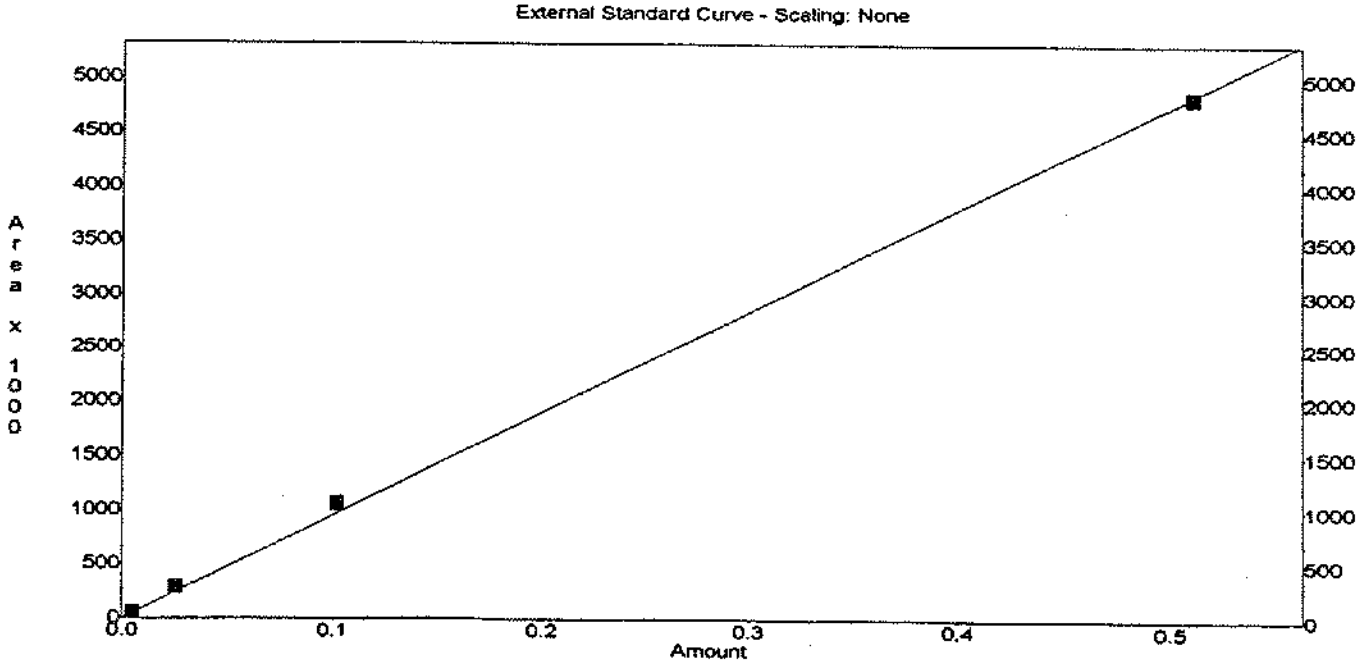
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	56238	0.00511	9.086e-008	56238					0	0
2	286505	0.0256	8.935e-008	286505					0	0
3	1064846	0.1022	9.598e-008	1064846					0	0
4	4835332	0.511	1.057e-007	4835332					0	0

Average RF: 9.54683e-008
RF StdDev: 7.3745e-009
RF %RSD: 7.72455

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.052e-007 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:54
Channel : A
Peak : TCE

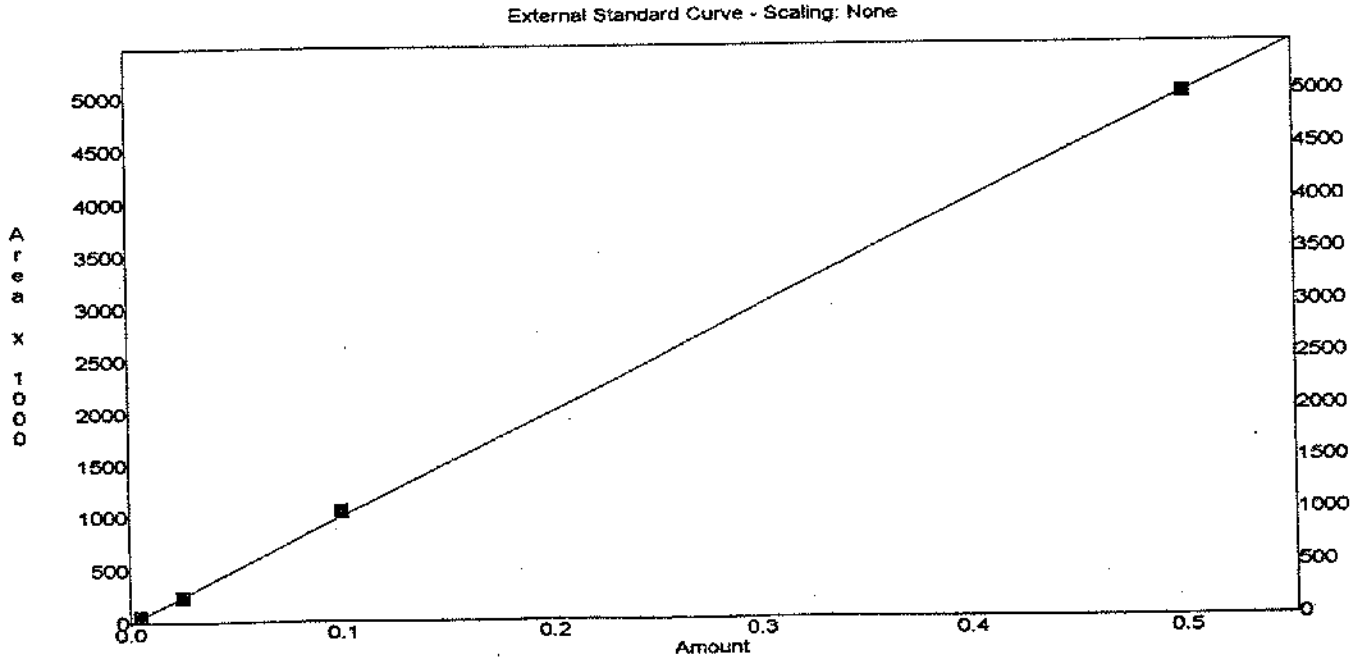
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	43825	0.00501	1.143e-007	43825					0	
2	235069	0.0251	1.068e-007	235069					0	
3	1045025	0.1002	9.588e-008	1045025					0	
4	4990343	0.501	1.004e-007	4990343					0	

Average RF: 1.04343e-007
RF StdDev: 8.01266e-009
RF %RSD: 7.67914

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.002e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:55
Channel : A
Peak : DCPE13C

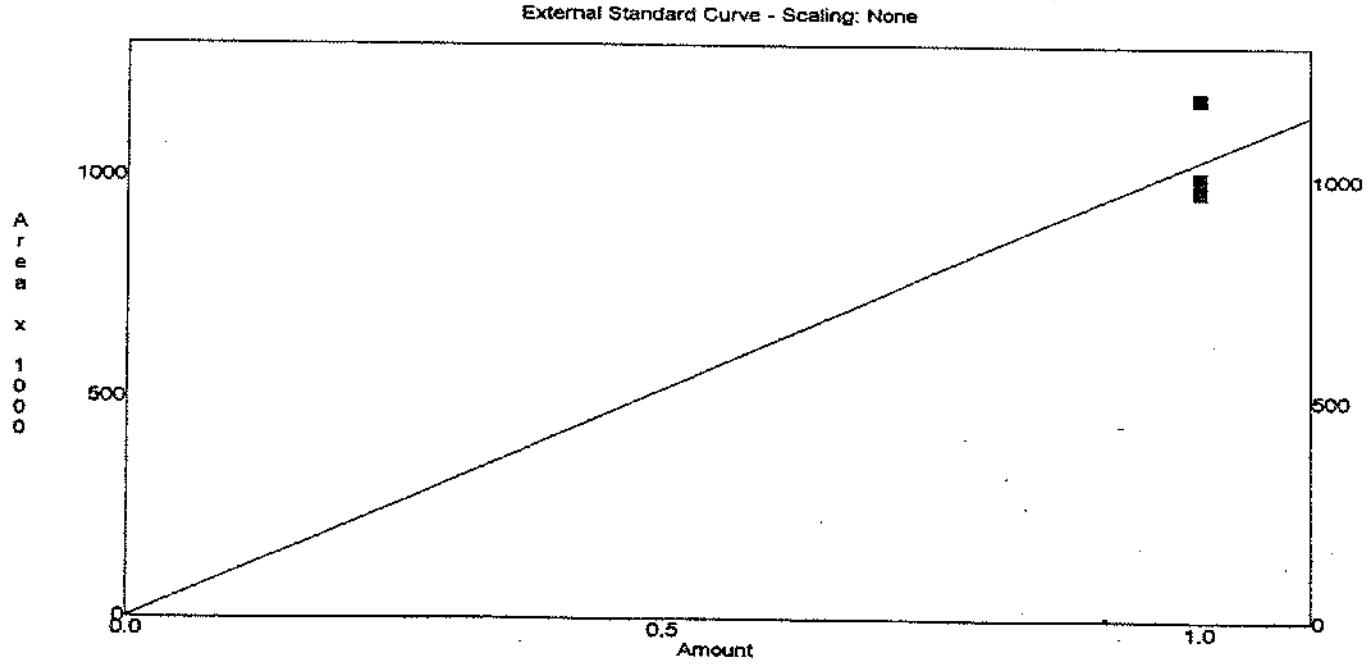
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	993414	1	1.007e-006	993414					0	0
2	1004062	1	9.96e-007	1004062					0	0
3	971597	1	1.029e-006	971597					0	0
4	1183976	1	8.446e-007	1183976					0	0

Average RF: 9.69107e-007
RF StdDev: 8.41485e-008
RF %RSD: 8.68309

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.567e-007 x Area + 0.000e+000
R^2 = 0.0000



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:57
Channel : A
Peak : TCA112

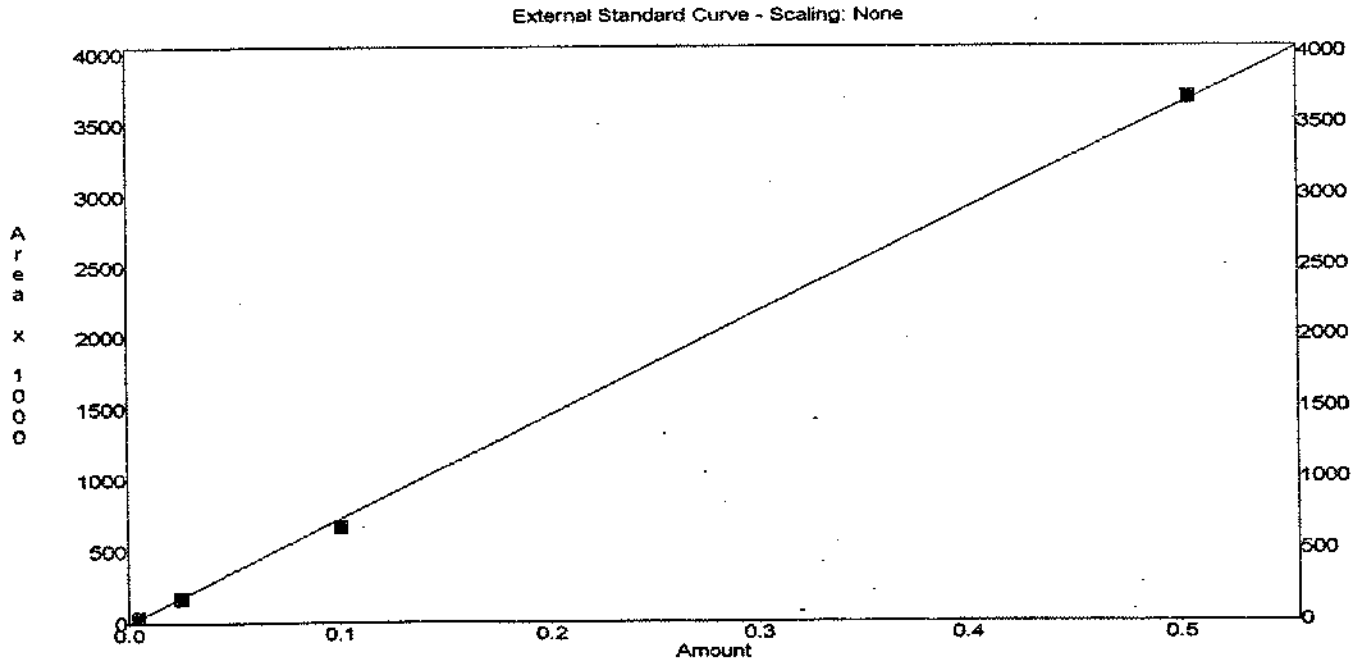
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	32667	0.00505	1.546e-007	32667					0	
2	168523	0.0253	1.501e-007	168523					0	0
3	666464	0.101	1.515e-007	666464					0	0
4	3680732	0.505	1.372e-007	3680732					0	

Average RF: 1.48366e-007
RF StdDev: 7.67217e-009
RF %RSD: 5.17112

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.377e-007 x Area + 0.000e+000
R^2 = 0.9994



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:58
Channel : A
Peak : PCE

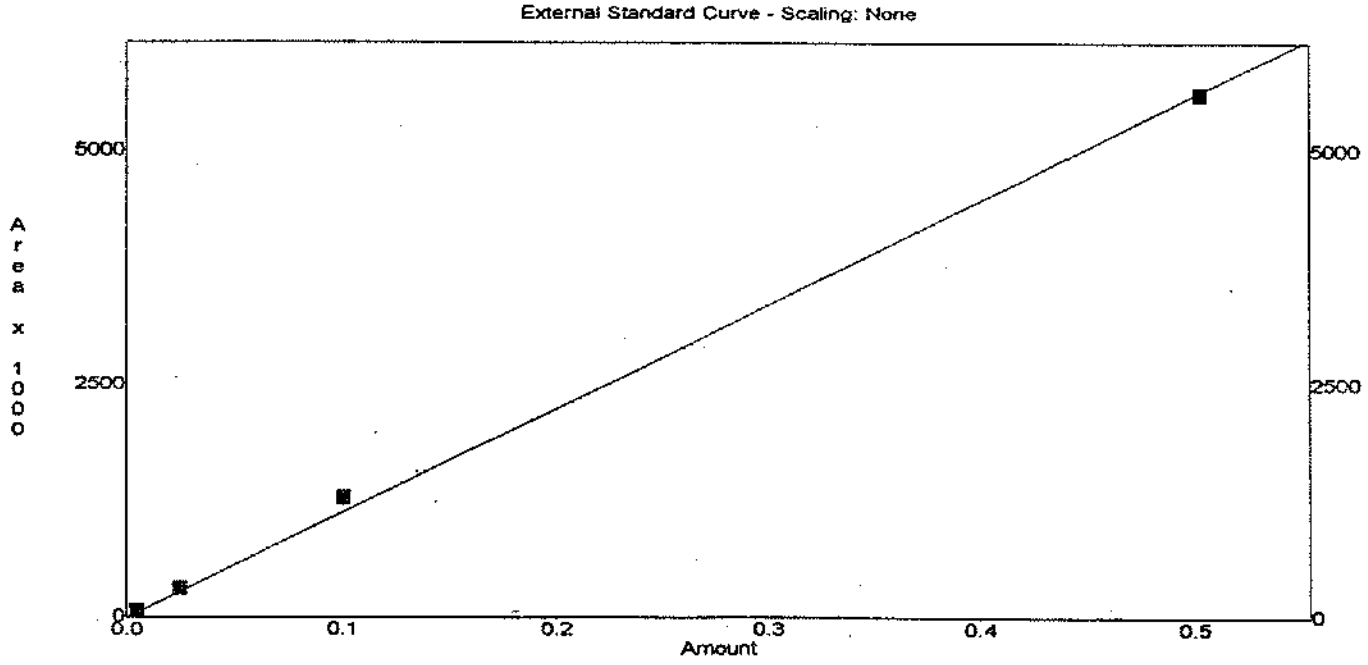
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	72972	0.00503	6.893e-008	72972					0	0
2	312223	0.02515	8.055e-008	312223					0	0
3	1263085	0.1006	7.965e-008	1263085					0	0
4	5587397	0.503	9.002e-008	5587397					0	0

Average RF: 7.9788e-008
RF StdDev: 8.62694e-009
RF %RSD: 10.8123

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.949e-008 x Area + 0.000e+000
R^2 = 0.9989



Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:32:59
Channel : A
Peak : CFB13

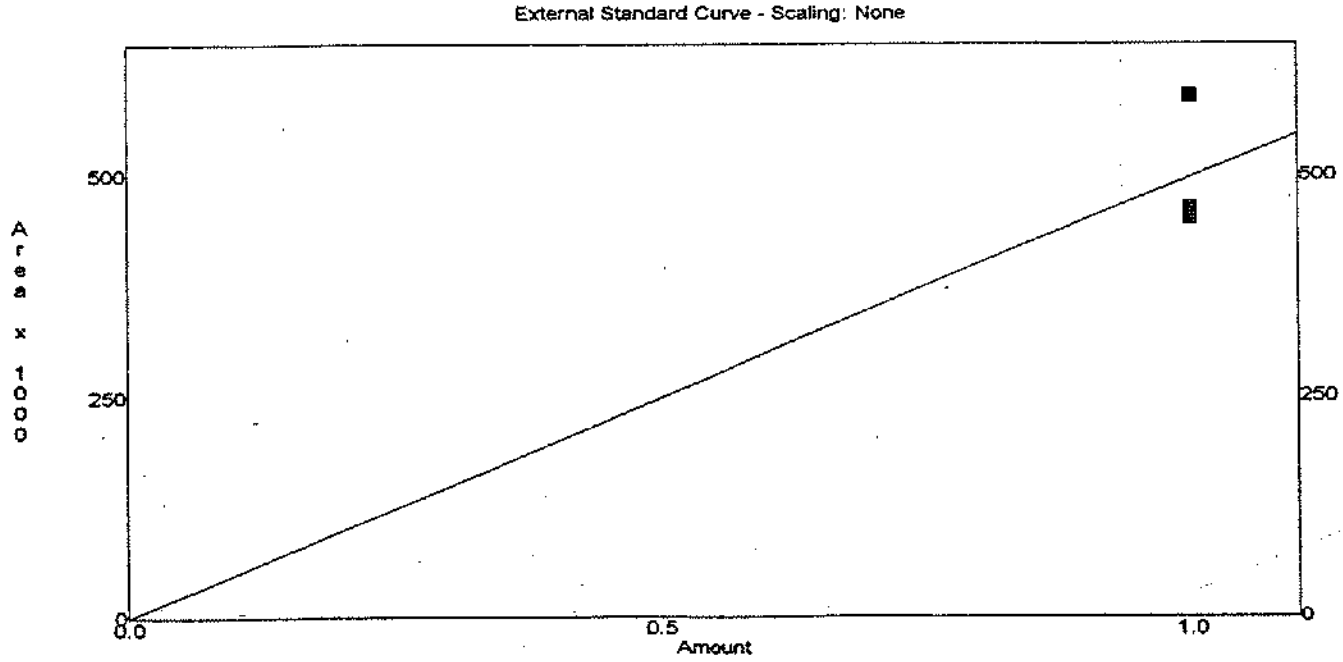
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	451045	1	2.217e-006	451045					0	
2	462185	1	2.164e-006	462185					0	
3	461916	1	2.165e-006	461916					0	0
4	590506	1	1.693e-006	590506					0	

Average RF: 2.05977e-006
RF StdDev: 2.45468e-007
RF %RSD: 11.9173

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.008e-006 x Area + 0.000e+000
R^2 = 0.0000



BGPAA 0204

Method : C:\LABQUEST\METHODS\L1265.MET
Printed : Dec 19, 1995 13:33:00
Channel : A
Peak : PCA1112

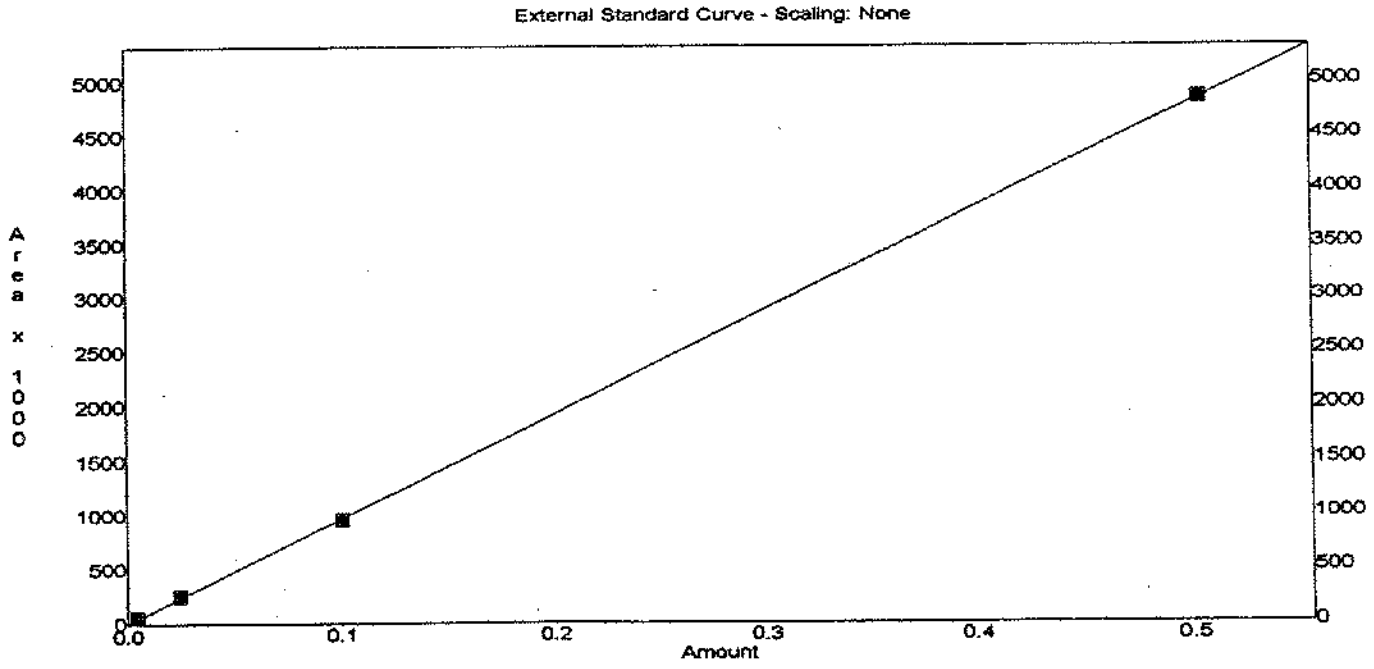
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	55140	0.00504	9.14e-008	55140					0	0
2	252900	0.0252	9.964e-008	252900					0	0
3	950117	0.1008	1.061e-007	950117					0	0
4	4837092	0.504	1.042e-007	4837092					0	0

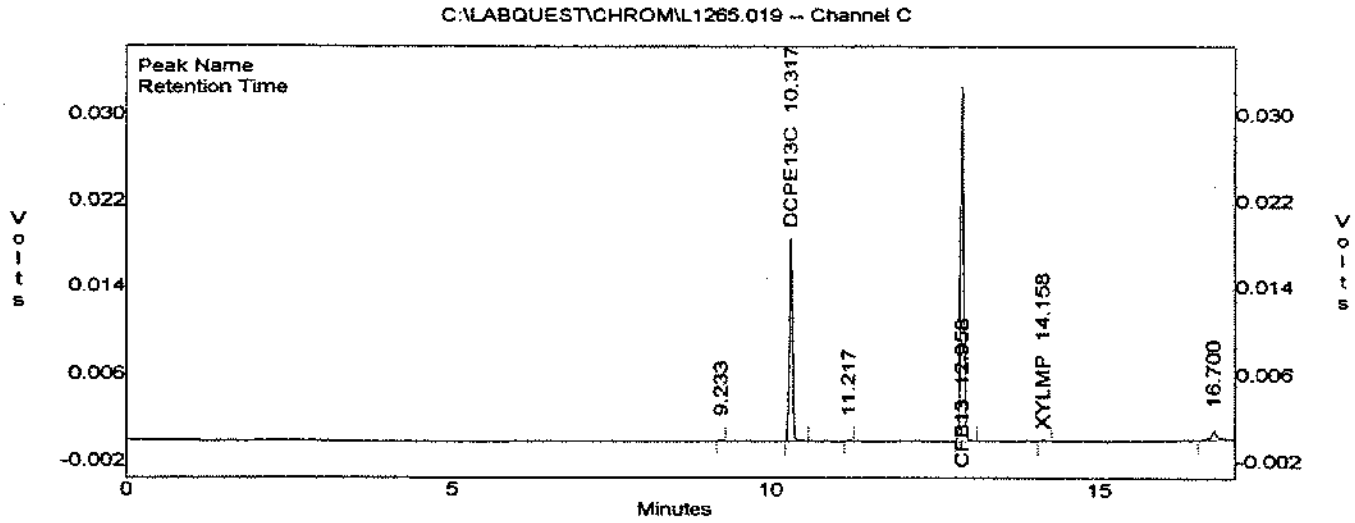
Average RF: 1.00334e-007
RF StdDev: 6.53937e-009
RF %RSD: 6.51762

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.043e-007 x Area + 0.000e+000
R^2 = 1.0000



Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.019
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SYSTEM BLANK
Acquired : Dec 19, 1995 14:25:49
Printed : Dec 19, 1995 14:43:15
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.233	558	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.317	64560	998.420	0
--	TCA112	11.110	0	0.000	0
3		11.217	614	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	12.958	119293	1013.099	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
5	XYLMP	14.158	559	0.396	0
--	XYLO	14.830	0	0.000	0
6		16.700	5370	0.000	0

Totals :

	190956	2011.915

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-38-5A

Time Sampled: 1445

Date Sampled: 12-19-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 75

Ground Surface: Asphalt gravel

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): ~~0.25~~ 80ml.

Purge Time: 2 sec

Notes: Purge Test 80ml - ~~0.25l~~ (1)

Max. Purge Vacuum (in. Hg): 16

Equilibrium Time: 1 sec

Sample Volume (ml): 20

Syringe ID: a: ____ b: ____

Analytical Summary

Chemist: P. Schumann

Date: 12-19-95 Time: 1448

Volume Analyzed (ml): 1.0

Time Injected: 1449 Loop #: 8

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	1.12				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 90 89 % PID: 94 96 % FID: 100 102 %

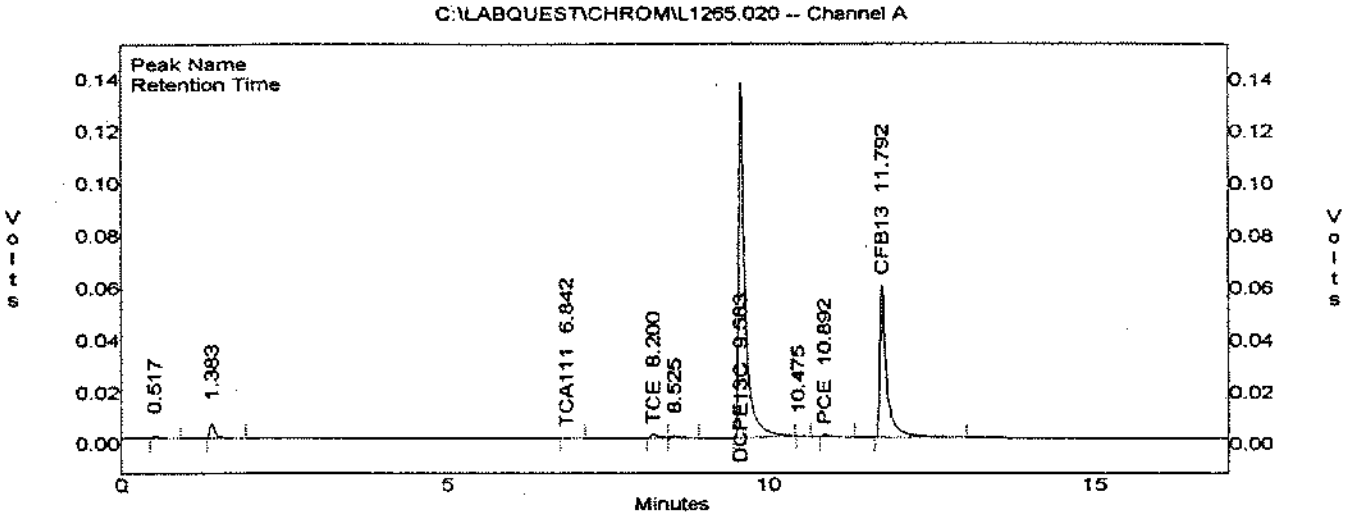
Note: Peak on FID only at 5.78 minutes; approximately the same size as 0.5 µg injection of 1,1,1-TCA.

Not a Ketone ~~as~~ may be an alcohol, straight chain hydrocarbon. ~~Unknown compound - no significant [illegible]~~

5.78

BGPAA 0207

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.020
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A
Acquired : Dec 19, 1995 14:49:02
Printed : Dec 19, 1995 15:07:45
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.517	6641	0.000	0
2		1.383	35708	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.842	2408	0.249	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.200	11365	1.139	0
5		8.525	6800	0.000	0
6	DCPE13C	9.583	939746	899.097	0
7		10.475	577	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.892	6335	0.567	0
9	CFB13	11.792	441799	886.942	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

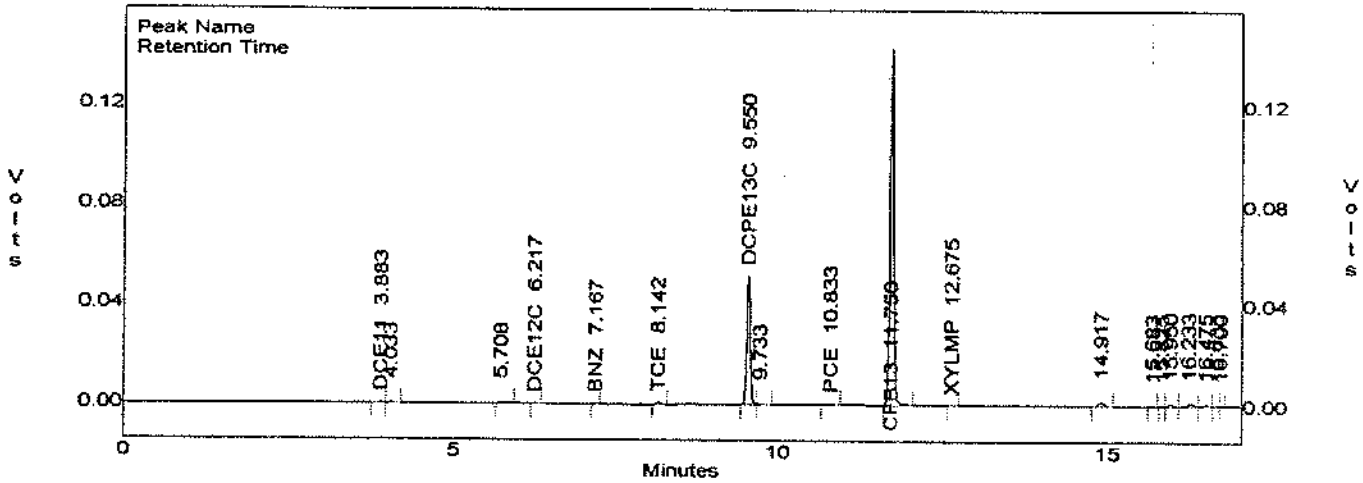
Totals :

	1451382	1787.995

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.020
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A
Acquired : Dec 19, 1995 14:49:02
Printed : Dec 19, 1995 15:07:48
User : PAS

C:\LABQUEST\CHROM\L1265.020 -- Channel B



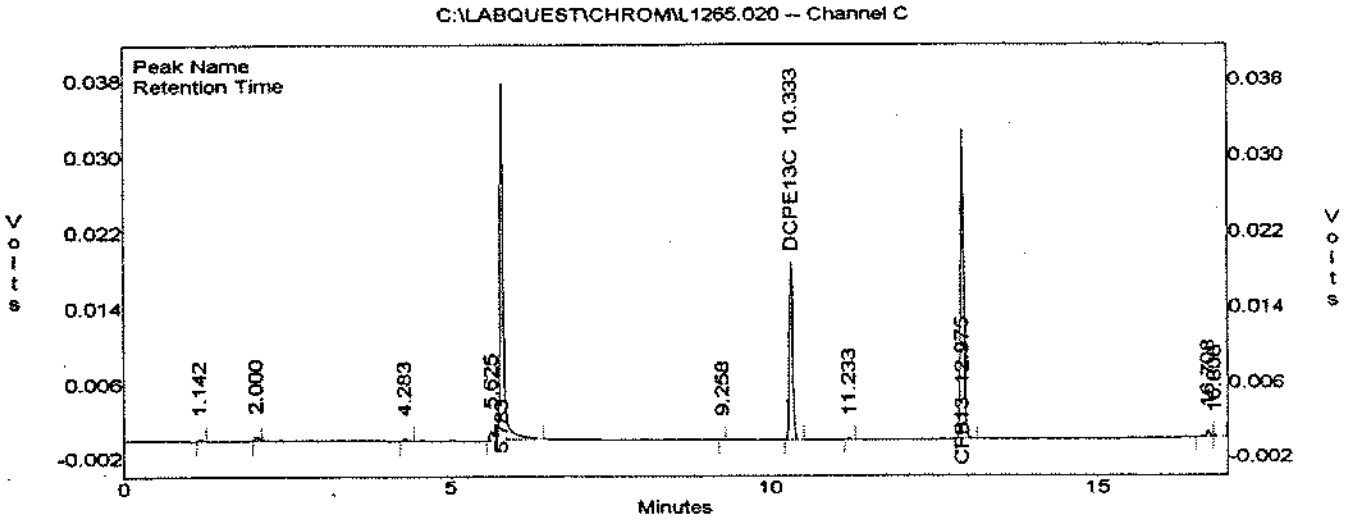
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.883	1966	~~0.675~~ Not on Hall PS	0
2		4.033	1716	0.000	0
--	DCE12T	4.910	0	0.000	0
3		5.708	2576	0.000	0
4	DCE12C	6.217	597	0.182	0
5	BNZ	7.167	581	0.085	0
6	TCE	8.142	4151	1.121	0
7	DCPE13C	9.550	197846	960.226	0
8		9.733	1978	0.000	0
--	TOL	10.050	0	0.000	0
9	PCE	10.833	3138	~~1.045~~ <1 on Hall PS	0
10	CFB13	11.750	585836	961.859	0
--	EB	12.440	0	0.000	0
11	XYLMP	12.675	509	0.088	0
--	XYLO	13.320	0	0.000	0
12		14.917	11558	0.000	0
13		15.683	1226	0.000	0
14		15.825	585	0.000	0
15		15.950	4400	0.000	0
16		16.233	6837	0.000	0
17		16.475	2981	0.000	0
18		16.633	825	0.000	0
19		16.700	533	0.000	0

Totals :

	829847	1925.281

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.020
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A
Acquired : Dec 19, 1995 14:49:02
Printed : Dec 19, 1995 15:07:50
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.142	837	0.000	0
2		2.000	1848	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
3		4.283	972	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.625	4488	0.000	0
5		5.783	150524	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
6		9.258	500	0.000	0
--	TCE	9.520	0	0.000	0
7	DCPE13C	10.333	64640	999.653	0
--	TCA112	11.110	0	0.000	0
8		11.233	542	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
9	CFB13	12.975	120174	1020.581	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.708	2716	0.000	0
11		16.808	642	0.000	0

Continued...

rile : C:\LABQUEST\CHROM\L1265.020
Method : C:\LABQUEST\METHODS\L1265.MET
ample ID : SV-38-5A
uired : Dec 19, 1995 14:49:02
..inted : Dec 19, 1995 15:07:52
Jser : PAS

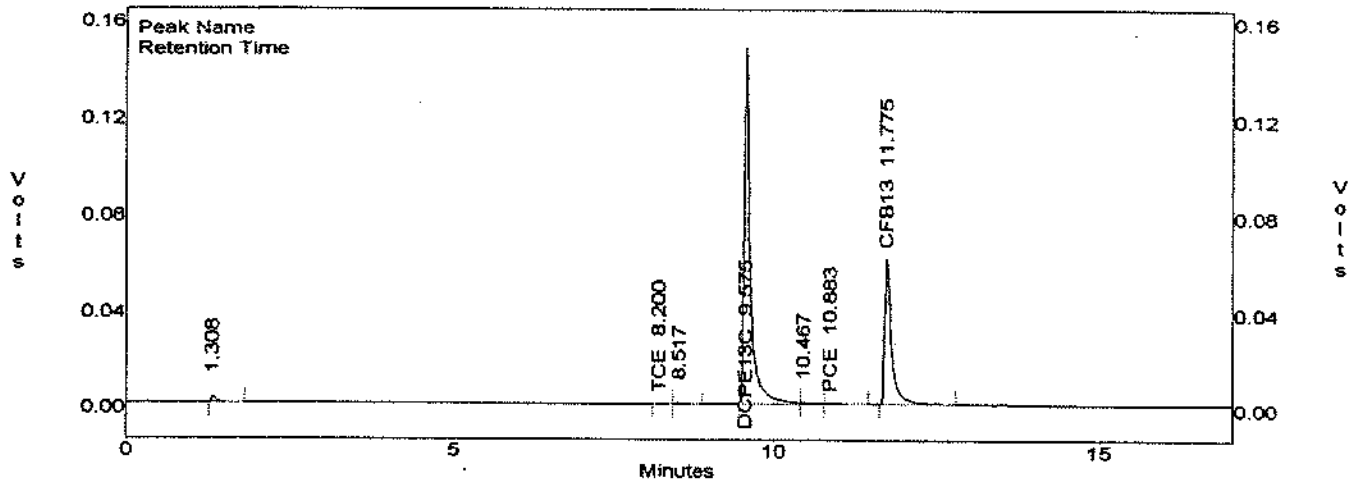
hannel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			347888	2020.234	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.023
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A DUPLICATE
Acquired : Dec 19, 1995 16:08:42
Printed : Dec 19, 1995 16:26:02
User : PAS

Not Reported
PS

C:\LABQUEST\CHROM\L1265.023 -- Channel A



Channel A Results

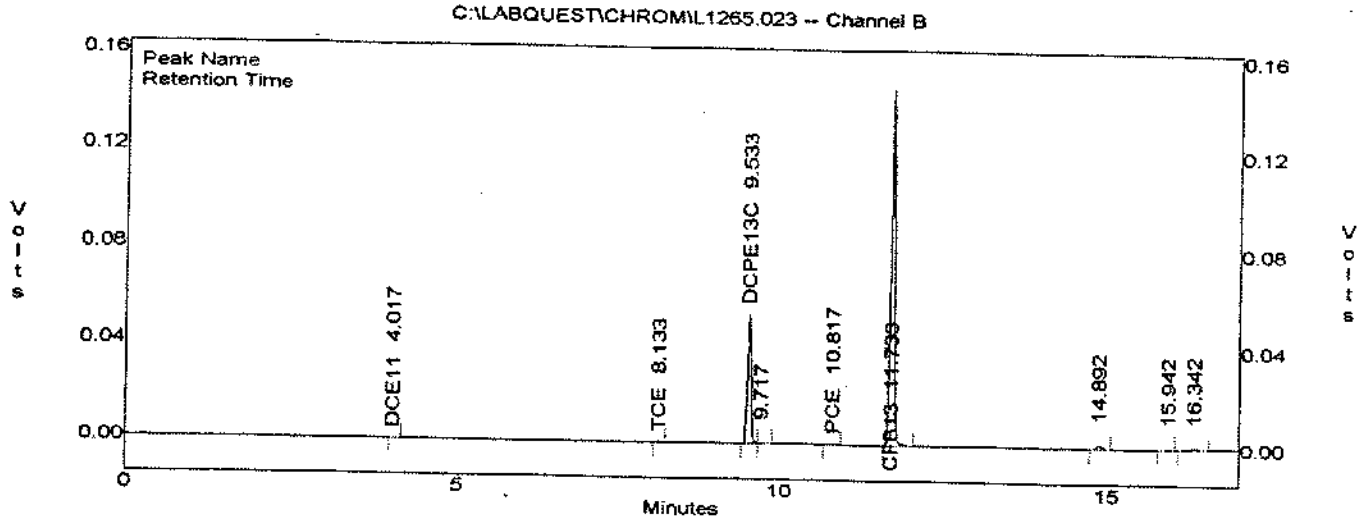
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.308	14889	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.200	3391	0.340	0
3		8.517	5501	0.000	0
4	DCPE13C	9.575	1022257	978.039	0
5		10.467	11196	0.000	0
--	TCA112	10.760	0	0.000	0
6	PCE	10.883	10496	0.939	0
7	CFB13	11.775	455858	915.168	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

1523591 1894.486

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

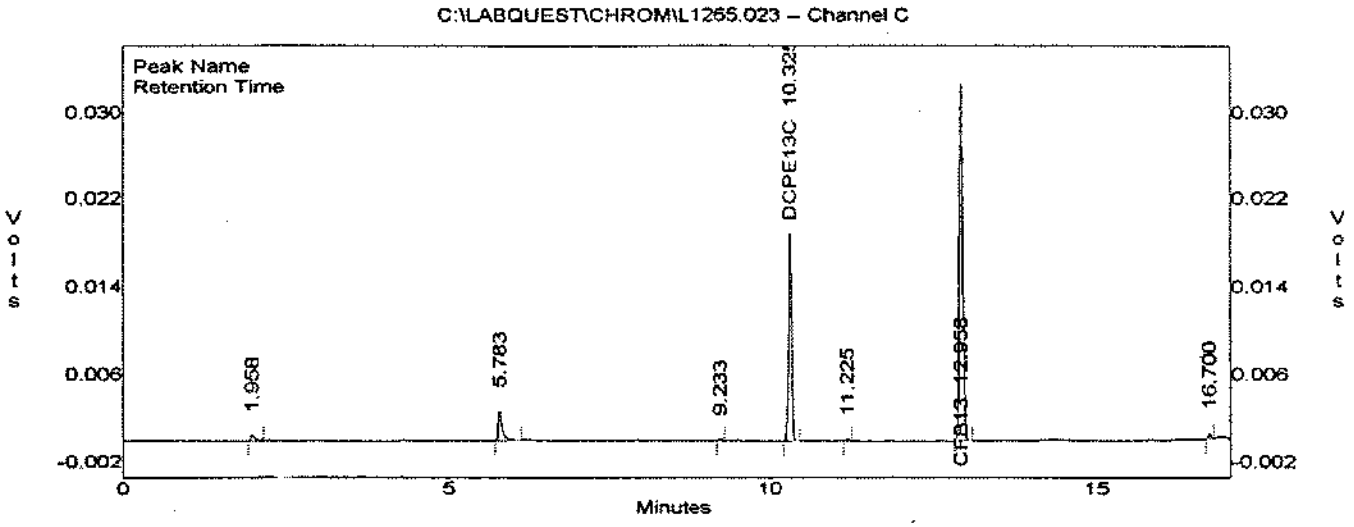
File : C:\LABQUEST\CHROM\L1265.023
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A DUPLICATE
Acquired : Dec 19, 1995 16:08:42
Printed : Dec 19, 1995 16:26:05
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.017	737	0.253	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.133	1156	0.312	0
3	DCPE13C	9.533	198780	964.758	0
4		9.717	1815	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.817	2214	0.737	0
6	CFB13	11.733	595138	977.132	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.892	10539	0.000	0
8		15.942	1090	0.000	0
9		16.342	7414	0.000	0
Totals :			818885	1943.192	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.023
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5A DUPLICATE
Acquired : Dec 19, 1995 16:08:42
Printed : Dec 19, 1995 16:26:07
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	2223	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.783	11939	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.233	524	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.325	65774	1017.194	0
--	TCA112	11.110	0	0.000	0
5		11.225	556	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	12.958	119452	1014.449	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
7		16.700	1562	0.000	0

Totals :

	202033	2031.643

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-38-SB

Probe Depth (ft): 5

Time Sampled: 1513

Sampled by: BV

Date Sampled: 12-19-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt gravel

Air Temp (F): 75

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): ~~240~~ 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): ~~0.75~~ 240ml

Equilibrium Time: 2 sec

Purge Time: 3 sec.

Sample Volume (ml): 20

Notes: Purge Test 240ml - ②

Syringe ID: a: _____ b: _____

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-19-95 Time: 1519

Time Injected: _____

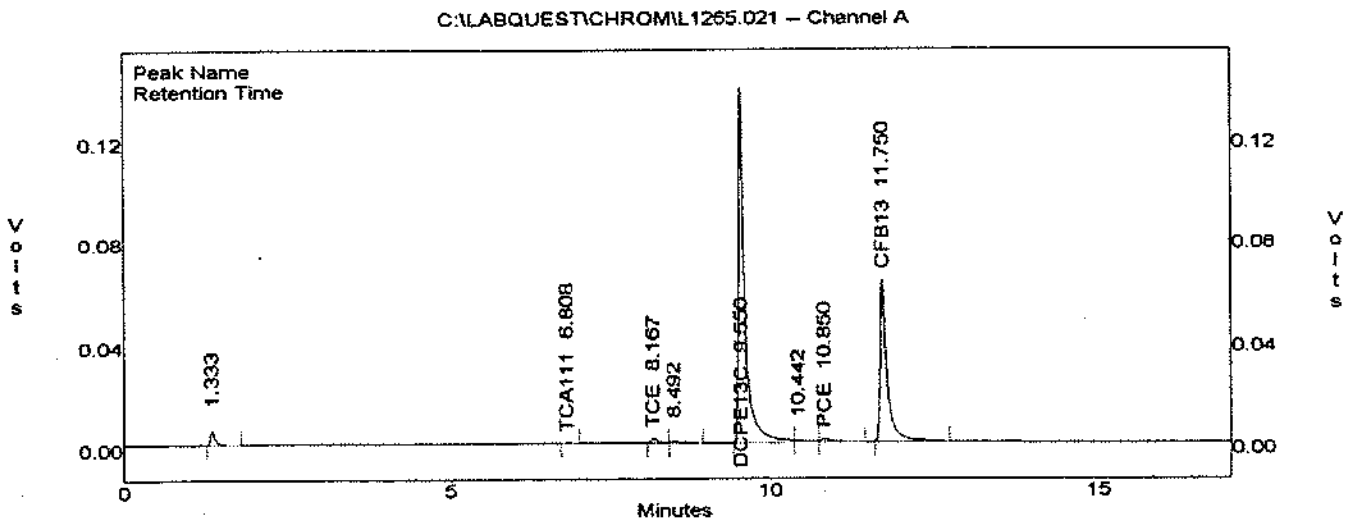
Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	1.45	✓
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	1.32	✓			
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 93 93 % PID: 97 98 % FID: 101 101 %

Peak @ 5.76 minute much smaller

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.021
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5B
Acquired : Dec 19, 1995 15:20:46
Printed : Dec 19, 1995 15:38:10
User : PAS



Channel A Results

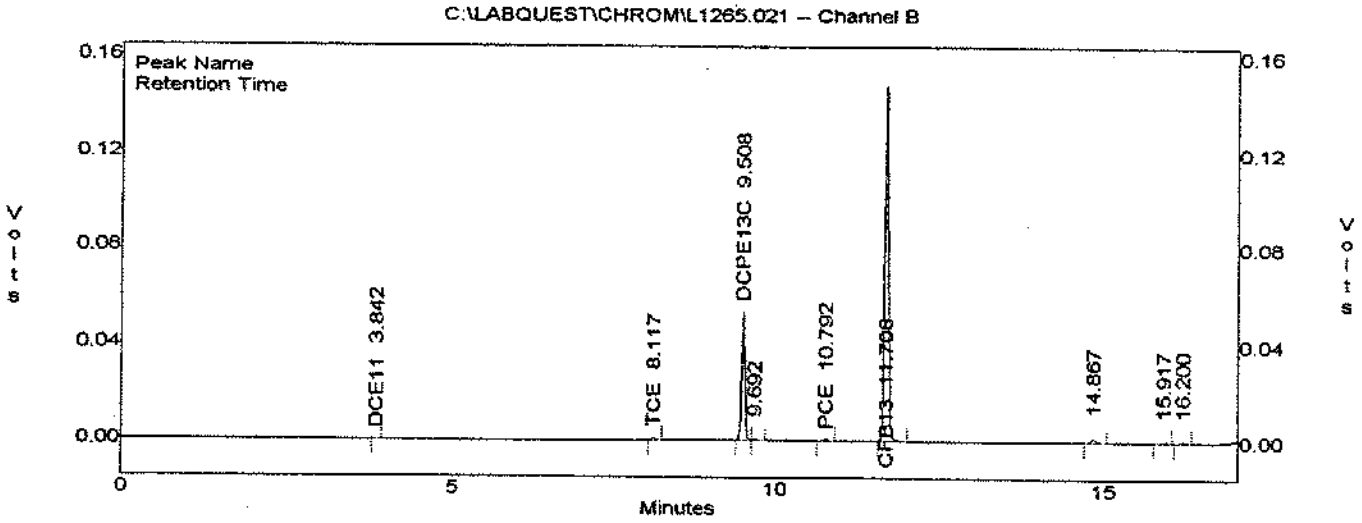
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	27910	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.808	1380	0.143	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.167	13139	1.317 ✓	0
4		8.492	7231	0.000	0
5	DCPE13C	9.550	970087	928.126	0
6		10.442	11495	0.000	0
--	TCA112	10.760	0	0.000	0
7	PCE	10.850	16238	1.453 ✓	0
8	CFB13	11.750	462735	928.973	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1510219	1860.012

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.021
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5B
Acquired : Dec 19, 1995 15:20:46
Printed : Dec 19, 1995 15:38:13
User : PAS



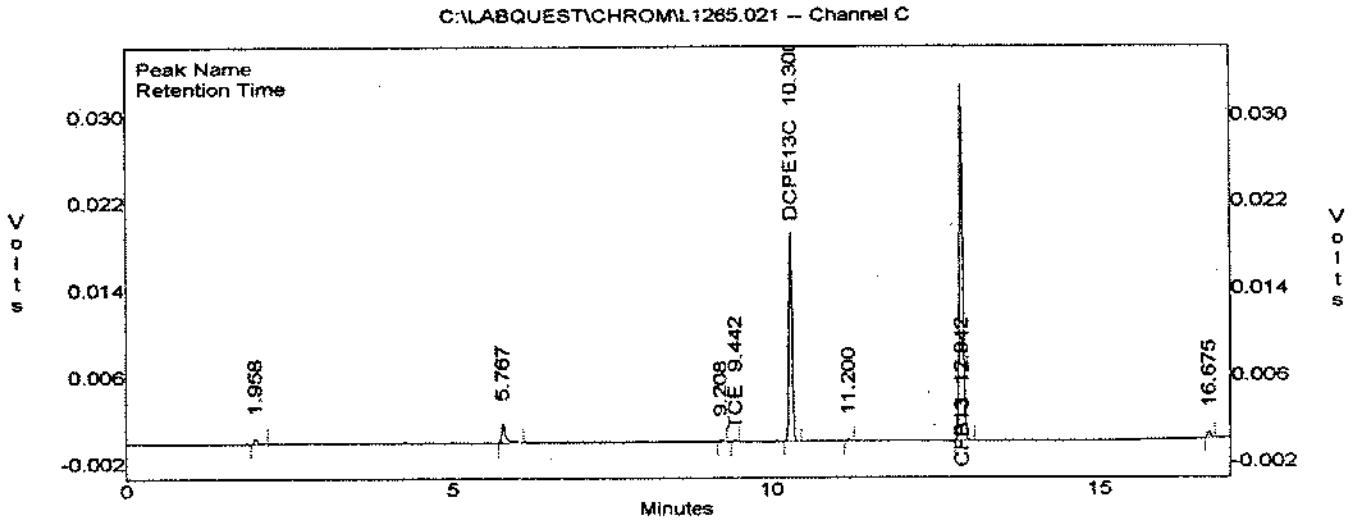
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.842	551	~~0.189~~ Not on Hall PS	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.117	4850	1.309 ✓	0
3	DCPE13C	9.508	199849	969.947	0
4		9.692	1774	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.792	3418	1.138 ✓	0
6	CFB13	11.708	596814	979.885	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.867	10807	0.000	0
8		15.917	1011	0.000	0
9		16.200	923	0.000	0

Totals :

	820000	1952.468

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.021
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5B
Acquired : Dec 19, 1995 15:20:46
Printed : Dec 19, 1995 15:38:15
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	1960	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2	?	5.767	8066	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.208	562	0.000	0
4	TCE	9.442	509	1.818	0
5	DCPE13C	10.300	65115	1006.999	0
--	TCA112	11.110	0	0.000	0
6		11.200	580	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	12.942	118586	1007.088	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.675	1791	0.000	0

Totals : 197171 2015.906

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-38-5C

Probe Depth (ft): 5

Time Sampled: 1515

Sampled by: BV

Date Sampled: 12-19-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt gravel

Air Temp (F): 75

Wind dir/speed:

Sample Parameters

Probe Volume (ml): ~~100ml~~ 80ml

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): ~~0.5~~ 400ml

Equilibrium Time: 2 sec

Purge Time: 3 sec

Sample Volume (ml): 20

Notes: Purge test ~~100ml~~ ~~0.5l~~ 400ml (3)

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sammann

Volume Analyzed (ml): 1.0

Date: 12-19-95 Time: 1519

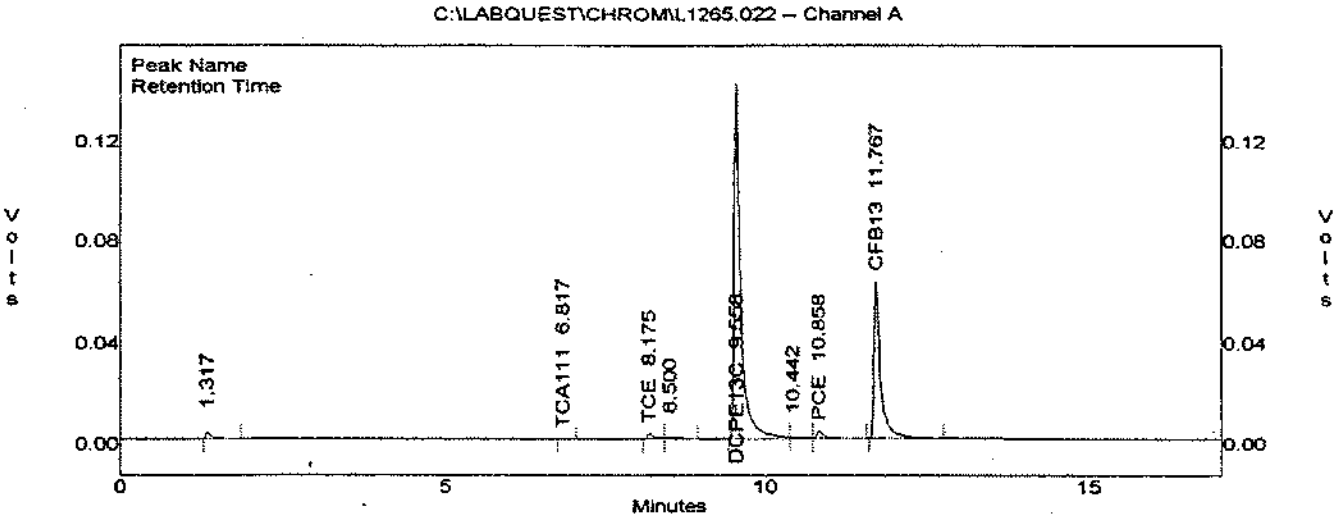
Time Injected: 1542 Loop #: manual

Compound	Concentration (ug/1)	Compound	Concentration (ug/1)
Freon 12	<1	Tetrachloroethene	2.64 ✓
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	1.48 ✓		
1,1,2-Trichloroethane	<1		

Surrogate Recovery - ELCD: 94 92 % PID: 97 98 % FID: 102 102 %

Peak @ 5.28 minutes FID small

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.022
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5C
Acquired : Dec 19, 1995 15:43:52
Printed : Dec 19, 1995 16:01:12
User : PAS



Channel A Results

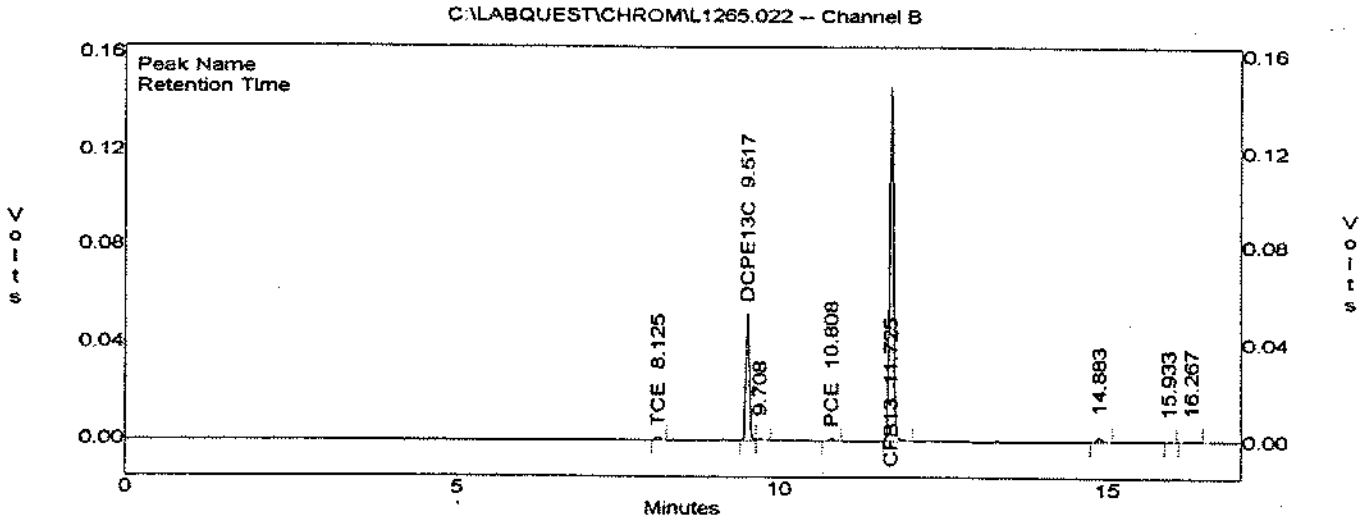
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.317	16657	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.817	861	0.089	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.175	14746	1.478	0
4		8.500	7375	0.000	0
5	DCPE13C	9.558	984336	941.759	0
6		10.442	11094	0.000	0
--	TCA112	10.760	0	0.000	0
7	PCE	10.858	29477	2.638	0
8	CFB13	11.767	458071	919.610	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1522620	1865.574

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

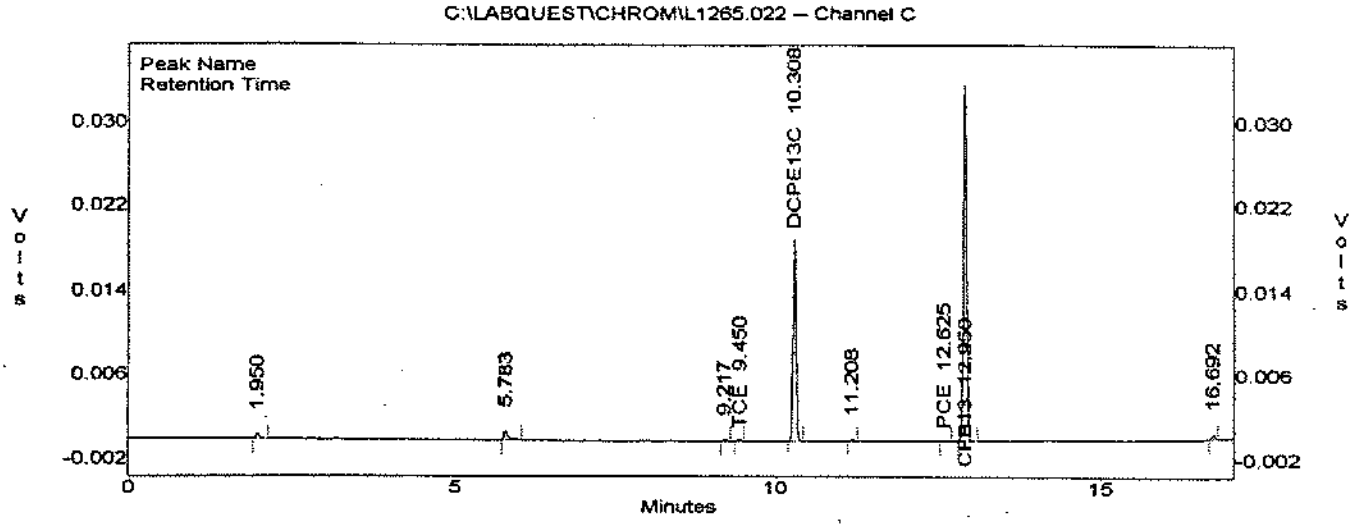
File : C:\LABQUEST\CHROM\L1265.022
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5C
Acquired : Dec 19, 1995 15:43:52
Printed : Dec 19, 1995 16:01:16
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
1	TCE	8.125	5321	1.436	0
2	DCPE13C	9.517	198859	965.143	0
3		9.708	1803	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.808	6028	2.007	0
5	CFB13	11.725	595858	978.314	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.883	10749	0.000	0
7		15.933	903	0.000	0
8		16.267	6759	0.000	0
Totals :			826283	1946.901	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.022
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-38-5C
Acquired : Dec 19, 1995 15:43:52
Printed : Dec 19, 1995 16:01:17
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.950	1968	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.783	4270	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.217	544	0.000	0
4	TCE	9.450	608	2.172	0
5	DCPE13C	10.308	65848	1018.339	0
--	TCA112	11.110	0	0.000	0
6		11.208	595	0.000	0
--	TOL	11.430	0	0.000	0
7	PCE	12.625	628	2.844	0
8	CFB13	12.950	119931	1018.511	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.692	1690	0.000	0

Totals :

	196084	2041.866

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-28-5

Probe Depth (ft): 5

Time Sampled: 1642

Sampled by: BV

Date Sampled: 12-19-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 72

Wind dir/speed: South / 2 mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 18

Purge Volume (liters): 0.5

Equilibrium Time: 1 sec

Purge Time: 3 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P Schumann

Volume Analyzed (ml): 1.0

Date: 12-19-95 Time: 1650

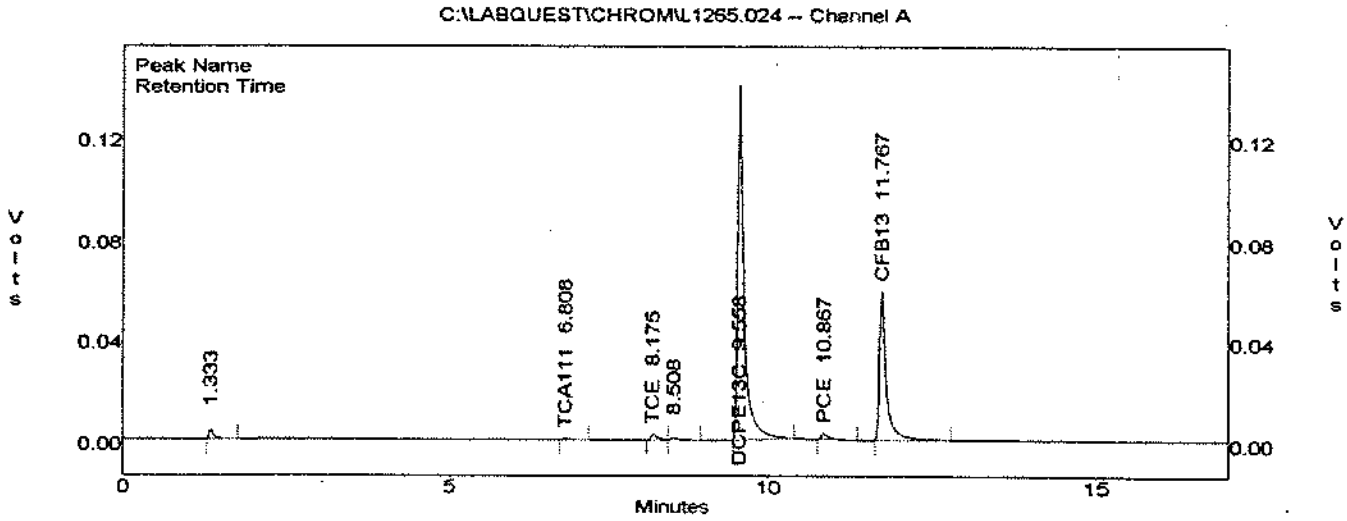
Time Injected: 1651

Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	1163 ✓	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	1,164 ✓				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 92 86 % PID: 96 97 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.024
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-28-5
Acquired : Dec 19, 1995 16:47:43
Printed : Dec 19, 1995 17:05:00
User : PAS



Channel A Results

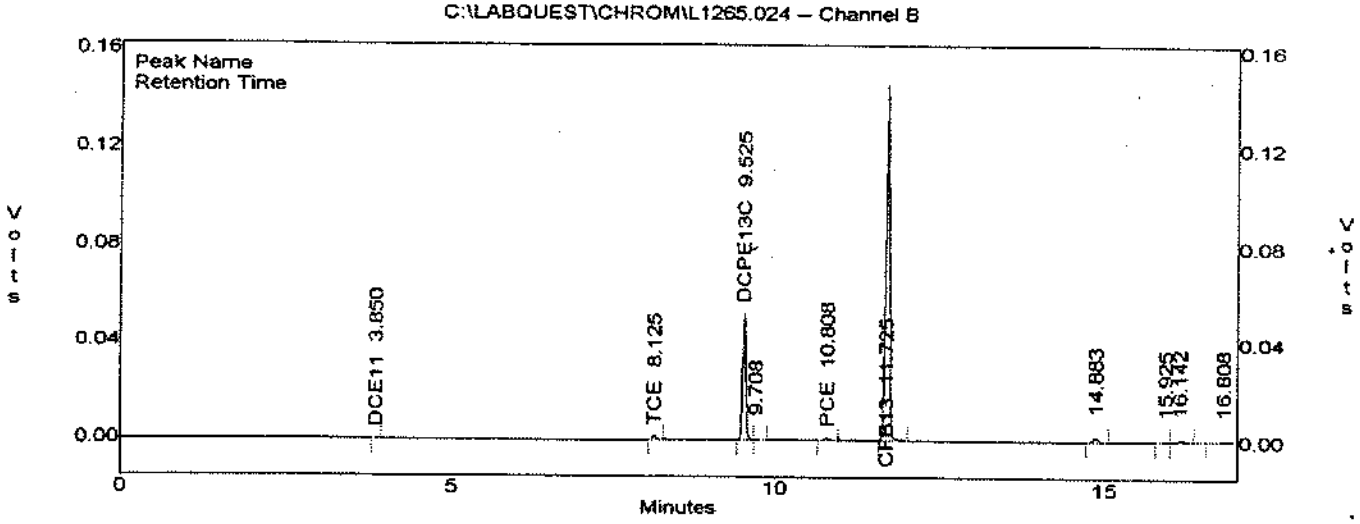
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	20780	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.808	4664	0.483	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.175	16359	1.640 ✓	0
4		8.508	7244	0.000	0
5	DCPE13C	9.558	960584	919.034	0
--	TCA112	10.760	0	0.000	0
6	PCE	10.867	18243	1.633 ✓	0
7	CFB13	11.767	429481	862.214	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1457358	1785.003

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.024
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-28-5
Acquired : Dec 19, 1995 16:47:43
Printed : Dec 19, 1995 17:05:03
User : PAS



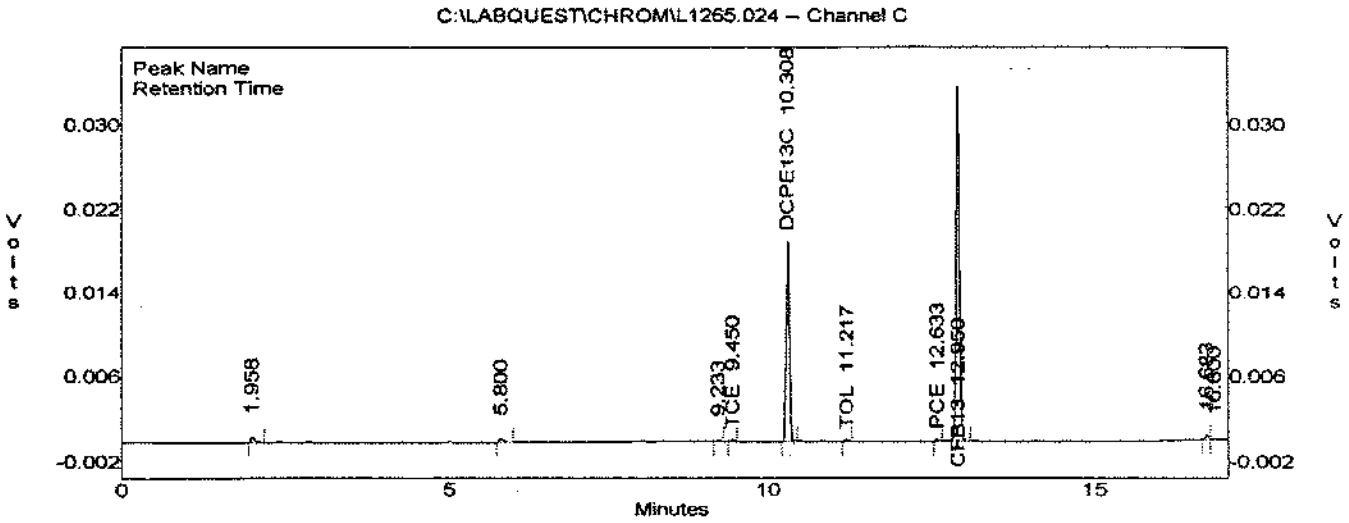
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.850	900	0.309 ~~95~~	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.125	5888	1.589	0
3	DCPE13C	9.525	197417	958.146	0
4		9.708	1524	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.808	5376	1.790	0
6	CFB13	11.725	590279	969.155	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.883	10649	0.000	0
8		15.925	1053	0.000	0
9		16.142	7053	0.000	0
10		16.808	1648	0.000	0

Totals :

	821791	1930.990

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.024
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SV-28-5
Acquired : Dec 19, 1995 16:47:43
Printed : Dec 19, 1995 17:05:05
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	2153	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.800	1662	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.233	531	0.000	0
4	TCE	9.450	663	2.370	0
5	DCPE13C	10.308	65606	1014.592	0
--	TCA112	11.110	0	0.000	0
6	TOL	11.217	589	0.415	0
7	PCE	12.633	500	2.264	0
8	CFB13	12.950	119285	1013.025	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.683	1851	0.000	0
10		16.800	1932	0.000	0

Totals :

	194774	2032.666

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: TB19Dec95

Probe Depth (ft): —

Time Sampled:

Sampled by: BV

Date Sampled: 12-19-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: —

Ground Surface: —

Air Temp (F): —

Wind dir/speed: —

Sample Parameters

Probe Volume (ml): —

Max. Purge Vacuum (in. Hg): —

Purge Volume (liters): —

Equilibrium Time: —

Purge Time: —

Sample Volume (ml): 10

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1

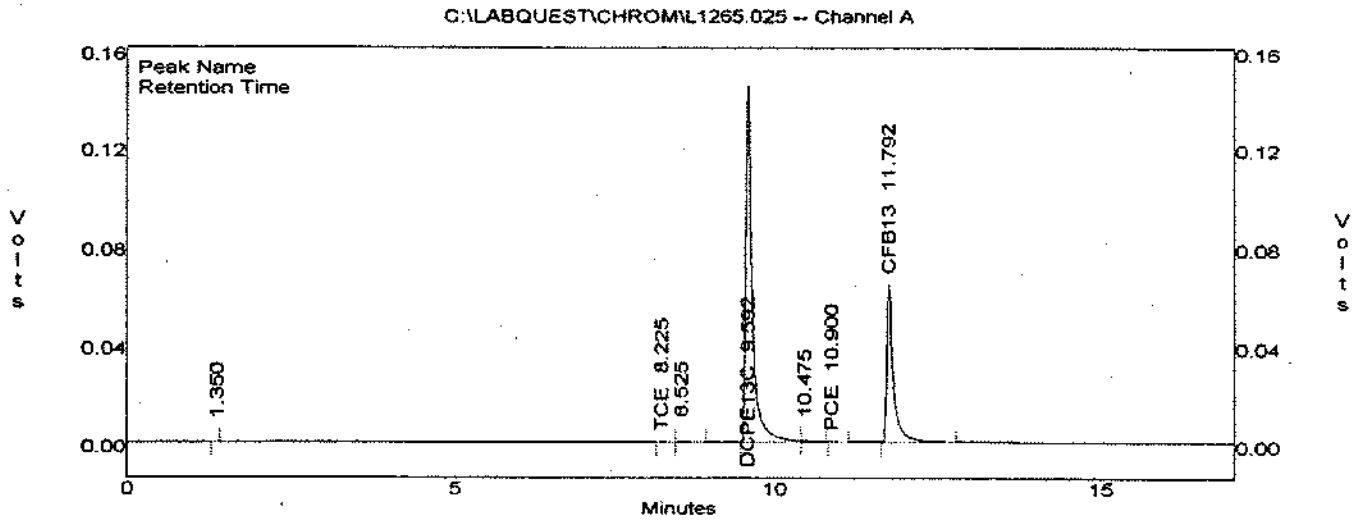
Date: 12-19-95 Time: 1710

Time Injected: 1710 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 97 95 % PID: 95 96 % FID: 102 102 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.025
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : TB19DEC95
Acquired : Dec 19, 1995 17:10:56
Printed : Dec 19, 1995 17:28:16
User : PAS



Channel A Results

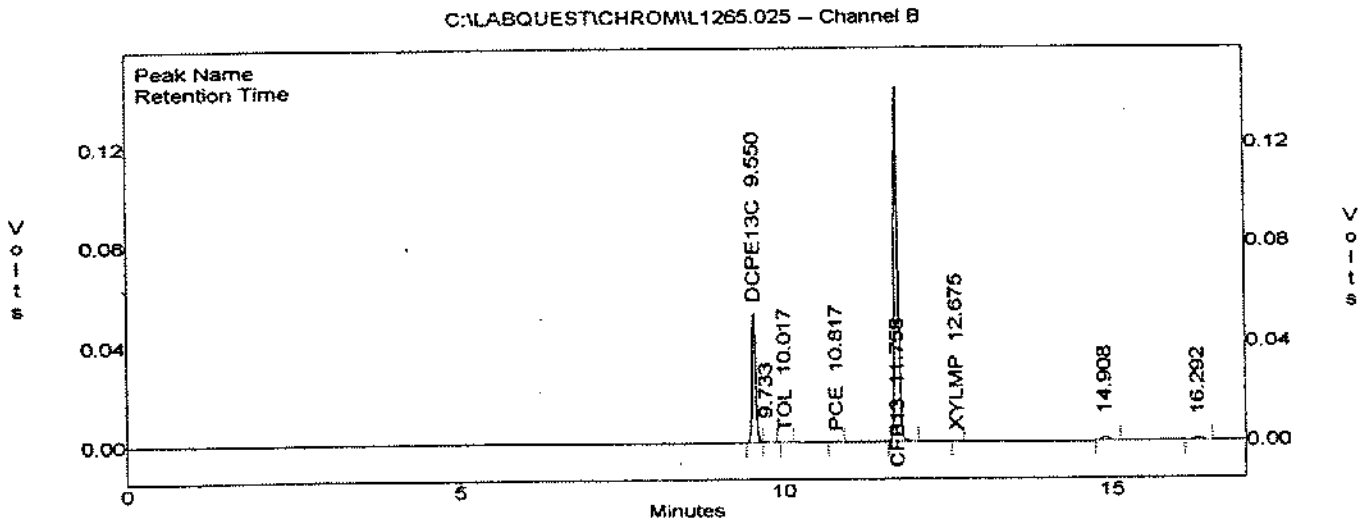
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	661	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.225	1573	0.158	0
3		8.525	5275	0.000	0
4	DCPE13C	9.592	1013547	969.707	0
5		10.475	5921	0.000	0
--	TCA112	10.760	0	0.000	0
6	PCE	10.900	764	0.068	0
7	CFB13	11.792	472163	947.901	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1499906	1917.834

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

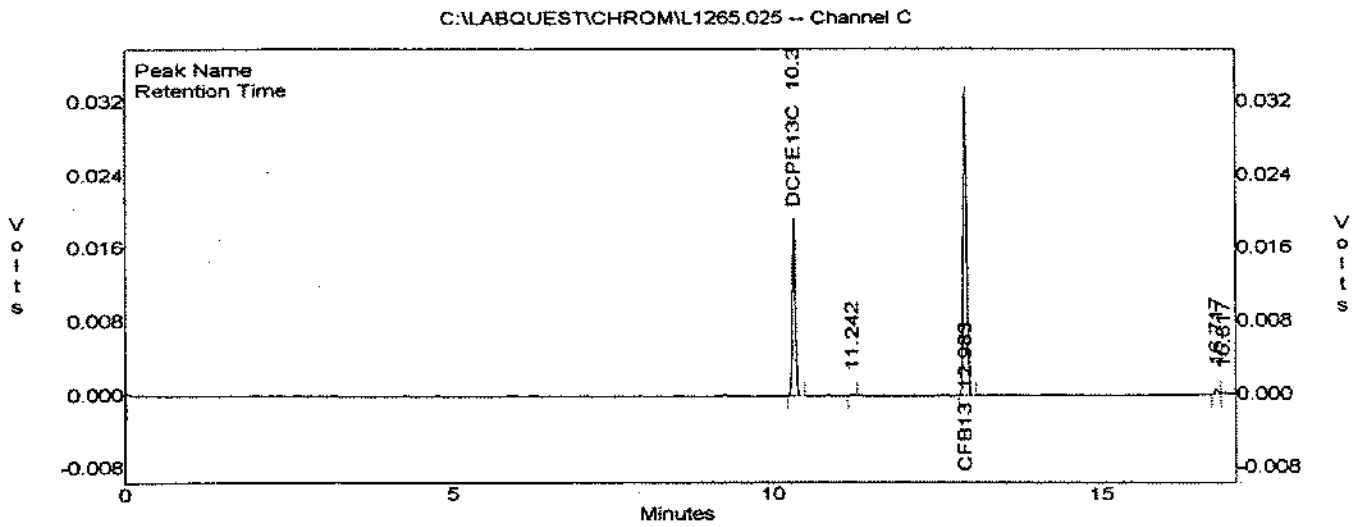
File : C:\LABQUEST\CHROM\L1265.025
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : TB19DEC95
Acquired : Dec 19, 1995 17:10:56
Printed : Dec 19, 1995 17:28:19
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.550	195400	948.356	0
2		9.733	1803	0.000	0
3	TOL	10.017	672	0.102	0
4	PCE	10.817	1237	0.412	0
5	CFB13	11.758	586019	962.160	0
--	EB	12.440	0	0.000	0
6	XYLMP	12.675	754	0.130	0
--	XYLO	13.320	0	0.000	0
7		14.908	10292	0.000	0
8		16.292	5689	0.000	0
Totals :			801869	1911.160	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.025
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : TB19DEC95
Acquired : Dec 19, 1995 17:10:56
Printed : Dec 19, 1995 17:28:21
User : PAS



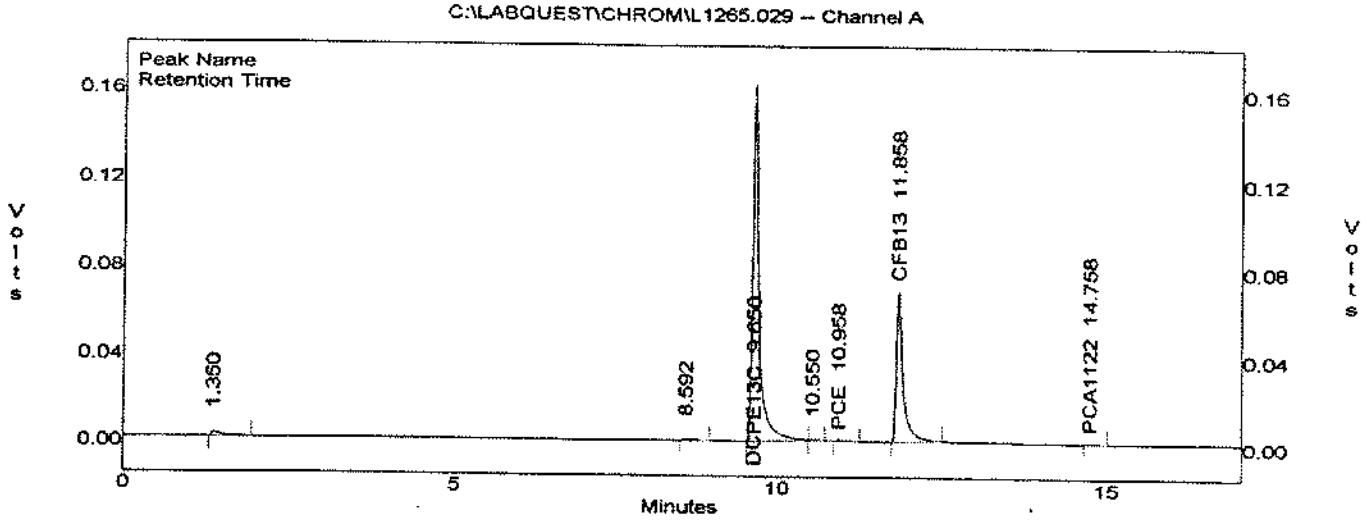
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
--	TCE	9.520	0	0.000	0
1	DCPE13C	10.333	66156	1023.098	0
--	TCA112	11.110	0	0.000	0
2		11.242	643	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
3	CFB13	12.983	120449	1022.910	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
4		16.717	2032	0.000	0
5		16.817	1644	0.000	0

Totals :

		190926	2046.008

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.029
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SYSTEM BLANK
Acquired : Dec 20, 1995 07:44:39
Printed : Dec 20, 1995 08:02:04
User : PAS



Channel A Results

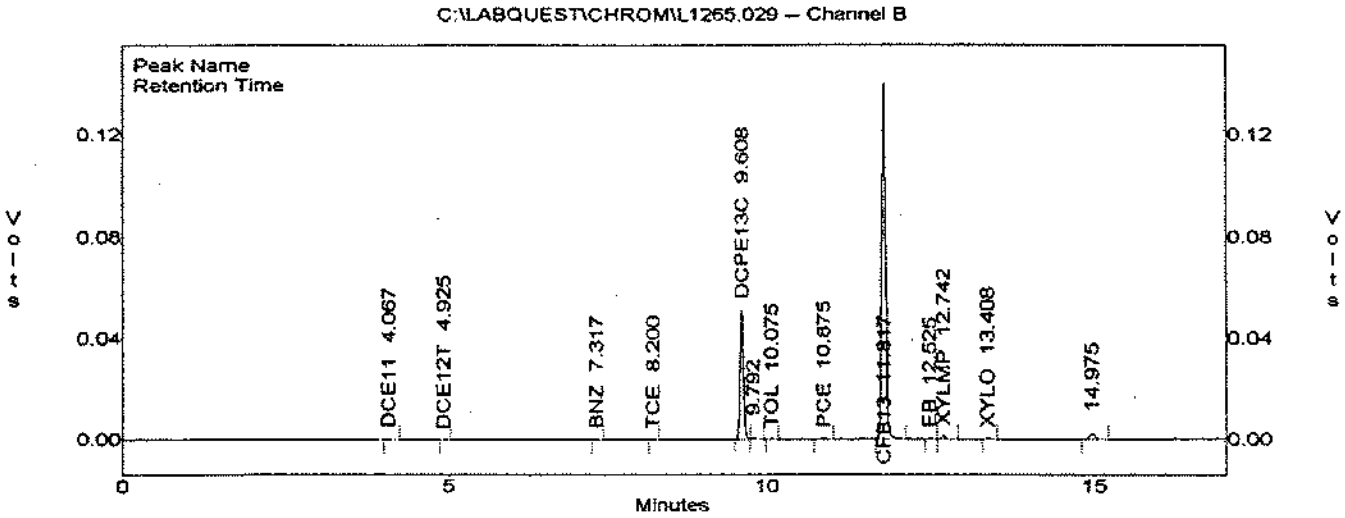
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	20407	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
--	TCE	8.220	0	0.000	0
2		8.592	5557	0.000	0
3	DCPE13C	9.650	1100017	1052.436	0
4		10.550	3951	0.000	0
--	TCA112	10.760	0	0.000	0
5	PCE	10.958	2141	0.192	0
6	CFB13	11.858	489723	983.153	0
--	PCA1112	12.490	0	0.000	0
7	PCA1122	14.758	3988	0.470	0

Totals :

	1625787	2036.250

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

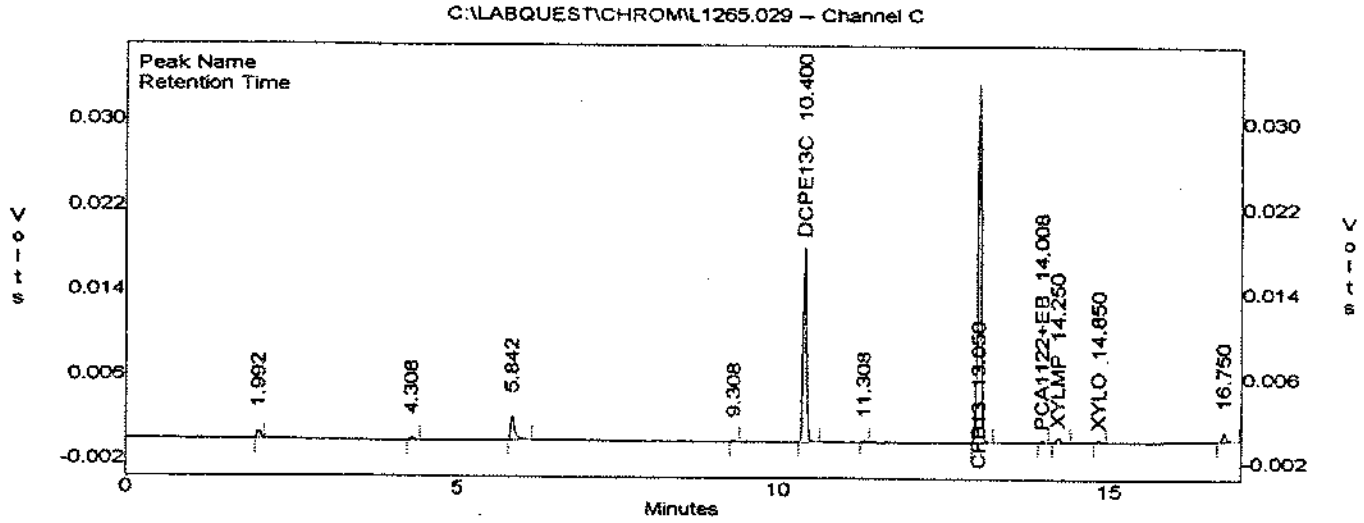
File : C:\LABQUEST\CHROM\L1265.029
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SYSTEM BLANK
Acquired : Dec 20, 1995 07:44:39
Printed : Dec 20, 1995 08:02:07
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.067	2736	0.939	0
2	DCE12T	4.925	585	0.098	0
--	DCE12C	6.190	0	0.000	0
3	BNZ	7.317	594	0.087	0
4	TCE	8.200	576	0.155	0
5	DCPE13C	9.608	190925	926.635	0
6		9.792	1927	0.000	0
7	TOL	10.075	1246	0.190	0
8	PCE	10.875	2359	0.785	0
9	CFB13	11.817	573334	941.333	0
10	EB	12.525	1515	0.273	0
11	XYLMP	12.742	5723	0.985	0
12	XYLO	13.408	2146	0.374	0
13		14.975	14392	0.000	0
Totals :			798062	1871.854	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.029
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : SYSTEM BLANK
Acquired : Dec 20, 1995 07:44:39
Printed : Dec 20, 1995 08:02:09
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.992	3115	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
2		4.308	968	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.842	10823	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.308	580	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.400	64441	996.576	0
--	TCA112	11.110	0	0.000	0
6		11.308	572	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.050	121387	1030.882	0
--	PCA1112	13.490	0	0.000	0
8	PCA1122+EB	14.008	634	0.898	0
9	XYLMP	14.250	2100	1.486	0
10	XYLO	14.850	1021	0.633	0
11		16.750	3581	0.000	0

Totals :

	209224	2030.475

HYDRO GEO CHEM, INC.

DAILY CALIBRATION CHECK

Project: FUGRO/BURBANK, CA
Project #: L1265

Date Calibrated: December 13, 1995.
Analyst: P. Schumann

Date:	12-20-95
Time:	06:57
Labquest File number:	L1265.027
Volume Injected(ul):	200
Standard Used:	CAL9516

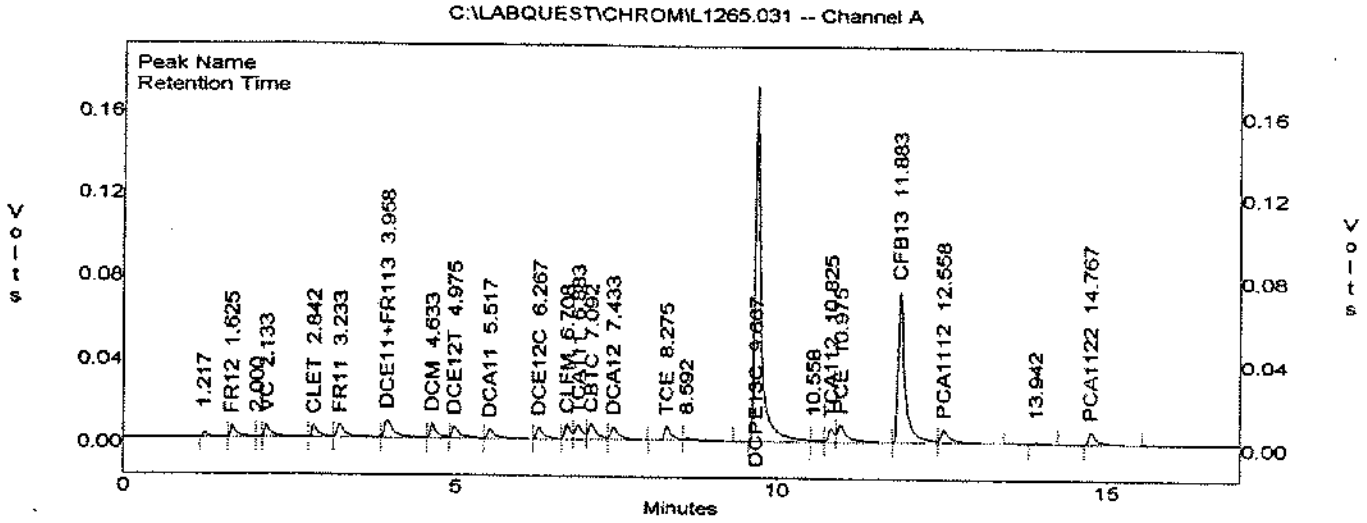
Compound Name	Detector	Mass Injected(ug)	Area measured	Rf	Rf (IC)	RPD
Dichlorodifluoromethane	ELCD	0.1012	552333	1.8E-07	1.8E-07	-3
Vinyl Chloride	ELCD	0.1016	609482	1.7E-07	1.6E-07	-1
Chloroethane	ELCD	0.102	564369	1.8E-07	1.8E-07	-1
Trichlorofluoromethane	ELCD	0.1028	1176248	8.7E-08	9.5E-08	8
Dichloromethane	ELCD	0.1018	1079778	9.4E-08	1E-07	9
1,1-Dichloroethene + F113	ELCD	0.2036	1867072	1.1E-07	1.3E-07	14
trans-1,2-Dichloroethene	**ELCD**	**0.0986**	**988657**	**1E-07**	**1E-07**	**3**
1,1-Dichloroethane	**ELCD**	0.0872	**903001**	9.7E-08	1.1E-07	**10**
cis-1,2-Dichloroethene	**ELCD**	0.102	**999746**	1E-07	1.2E-07	**14**
Chloroform	ELCD	0.105	1094090	9.6E-08	1.2E-07	18
1,1,1-Trichloroethane	**ELCD**	0.1048	**1242811**	8.4E-08	1E-07	**16**
1,1,1-Trichloroethane	**FID**	0.1048	**31988**	3.3E-06	3.6E-06	**9**
Carbon Tetrachloride	ELCD	0.102	1471774	6.9E-08	8.1E-08	14
1,2-Dichloroethane	**ELCD**	0.1022	**1217347**	8.4E-08	9.5E-08	**12**
Trichloroethene	**ELCD**	0.1002	**1179793**	8.5E-08	1E-07	**19**
Trichloroethene	**PID**	0.1002	**389491**	2.6E-07	3.1E-07	**16**
Trichloroethene	**FID**	0.1002	**30673**	3.3E-06	3.2E-06	**-1**
1,1,2 Tetrachloroethane	**ELCD**	0.101	**838271**	1.2E-07	1.5E-07	**19**
1,1,2 Tetrachloroethane	**FID**	0.101	**30882**	3.3E-06	3.8E-06	**14**
Tetrachloroethene	**ELCD**	0.1006	**1494046**	6.7E-08	8E-08	**16**
Tetrachloroethene	**PID**	0.1006	**326181**	3.1E-07	3.8E-07	**19**
Tetrachloroethene	**FID**	0.1006	**24960**	4E-06	4.7E-06	**15**
1112 tetrachloroethane	ELCD	0.1008	1133018	8.9E-08	1E-07	11
1122 tetrachloroethane	ELCD	0.1024	1186735	8.6E-08	1.2E-07	26
1,1-Dichloroethene	PID	0.1008	289339	3.5E-07	4.2E-07	16
Benzene	**PID**	0.1038	**751012**	1.4E-07	1.6E-07	**13**
Toluene	**PID**	0.102	**713014**	1.4E-07	1.7E-07	**16**
Toluene	**FID**	0.102	**160580**	6.4E-07	7.3E-07	**13**
Ethyl Benzene	PID	0.103	634366	1.6E-07	2.1E-07	21
m/p-Xylene	**PID**	0.2056	**1546353**	1.3E-07	1.7E-07	**21**
m/p-Xylene	**FID**	0.2056	**325641**	6.3E-07	7.5E-07	**15**
o-Xylene	**FID**	0.103	**187526**	5.5E-07	6.7E-07	**18**
1,1,2-Trichlorotrifluoroethane	FID	0.1026	18579	5.5E-06	6E-06	8

Calibration curve generated on this day used as a point on calibration curve generated 12-20-95.
Chromatogram is in sequence w/ other calibration data.
PS

BGPAA 0234

Pr inal ata

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.031
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 20, 1995 08:37:46
Printed : Dec 20, 1995 08:55:17
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.217	15093	0.000	0
2	FR12	1.625	38394	0.006	0
3		2.000	2060	0.000	0
4	VC	2.133	46780	0.008	0
5	CLET	2.842	41421	0.007	0
6	FR11	3.233	58726	0.006	0
7	DCE11+FR113	3.958	84916	0.012	0
8	DCM	4.633	50453	0.006	0
9	DCE12T	4.975	49212	0.006	0
10	DCA11	5.517	39732	0.004	0
11	DCE12C	6.267	42944	0.005	0
12	CLFM	6.708	44717	0.005	0
13	TCA111	6.883	53697	0.006	0
14	CBTC	7.092	67850	0.006	0
15	DCA12	7.433	52704	0.006	0
16	TCE	8.275	53380	0.005	0
17		8.592	13946	0.000	0
18	DCPE13C	9.667	1173948	1.123	0
19		10.558	10652	0.000	0
20	TCA112	10.825	42664	0.006	0
21	PCE	10.975	94076	0.008	0
22	CFB13	11.883	533456	1.071	0
23	PCA1112	12.558	70900	0.007	0
24		13.942	5164	-0.000	0
25	PCA1122	14.767	53929	0.006	0

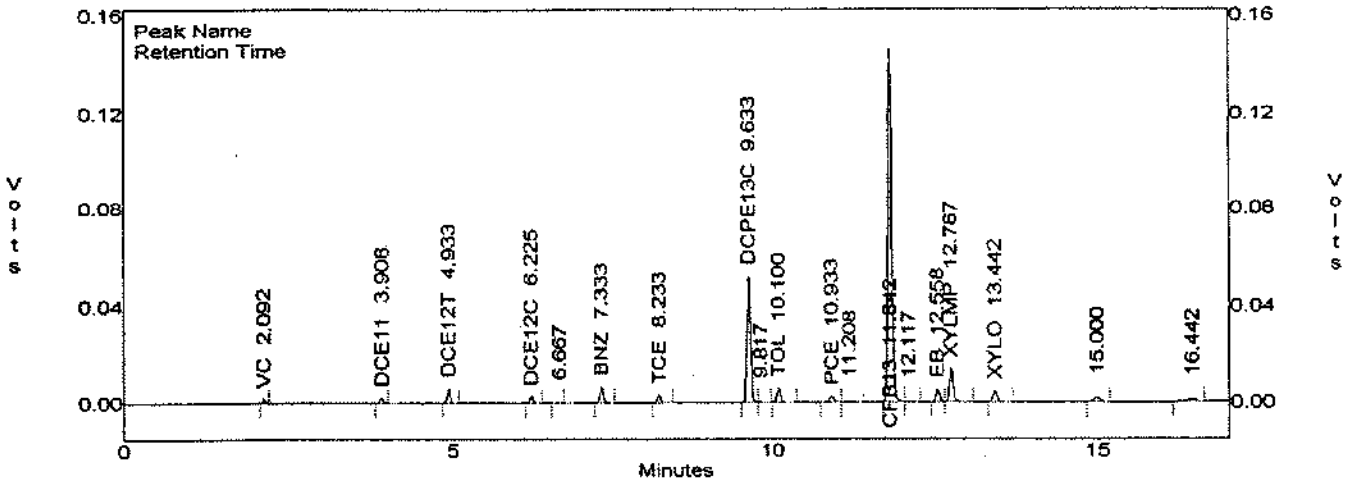
Totals :

	2740828	2.310

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.031
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 20, 1995 08:37:46
Printed : Dec 20, 1995 08:55:21
User : PAS

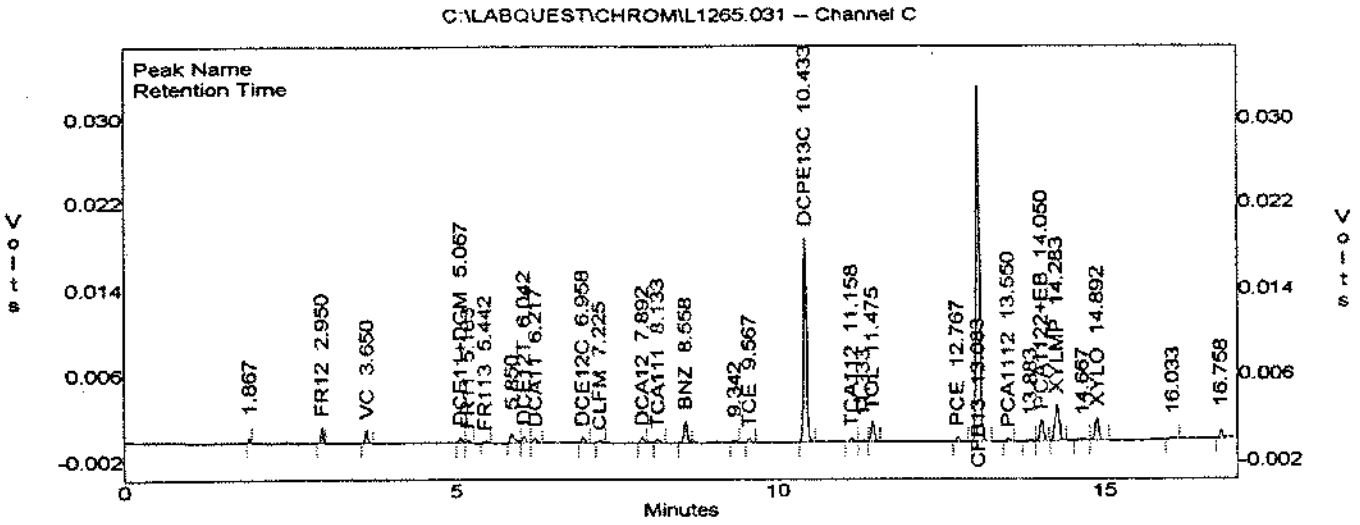
C:\LABQUEST\CHROM\L1265.031 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.092	4342	0.004	0
2	DCE11	3.908	~~6670~~ 9020	0.003	0
3	DCE12T	4.933	20306	0.003	0
4	DCE12C	6.225	10976	0.003	0
5		6.667	510	0.000	0
6	BNZ	7.333	26396	0.004	0
7	TCE	8.233	13587	0.004	0
8	DCPE13C	9.633	195554	0.949	0
9		9.817	1806	0.000	0
10	TOL	10.100	24822	0.004	0
11	PCE	10.933	13847	0.005	0
12		11.208	4404	0.000	0
13	CFB13	11.842	588755	0.967	0
14		12.117	3212	0.000	0
15	EB	12.558	22241	0.004	0
16	XYLMP	12.767	58507	0.010	0
17	XYLO	13.442	21024	0.004	0
18		15.000	13264	0.000	0
19		16.442	7623	0.000	0
Totals :			1039861	1.963	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.031
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
Acquired : Dec 20, 1995 08:37:46
Printed : Dec 20, 1995 08:55:23
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.867	850	0.000	0
2	FR12	2.950	3184	0.006	0
3	VC	3.650	3321	0.007	0
--	CLET	4.450	0	0.000	0
4	DCE11+DCM	5.067	1729	0.009	0
5	FR11	5.183	851	0.004	0
6	FR113	5.442	731	0.004	0
7		5.850	4066	0.000	0
8	DCE12T	6.042	2159	0.006	0
9	DCA11	6.217	1622	0.004	0
10	DCE12C	6.958	1755	0.005	0
11	CLFM	7.225	546	0.005	0
12	DCA12	7.892	1772	0.005	0
13	TCA111	8.133	1318	0.005	0
14	BNZ	8.558	7258	0.005	0
--	CBTC	8.660	0	0.000	0
15		9.342	577	0.000	0
16	TCE	9.567	1333	0.005	0
17	DCPE13C	10.433	65391	1.011	0
18	TCA112	11.158	1446	0.005	0
19		11.333	648	0.000	0
20	TOL	11.475	6933	0.005	0
21	PCE	12.767	1776	0.008	0
22	CFB13	13.083	121650	1.033	0
23	PCA1112	13.550	1093	0.005	0
24		13.883	855	0.000	0
25	PCA1122+EB	14.050	7171	0.010	0
26	XYLMP	14.283	14449	0.010	0
27		14.667	892	0.000	0
28	XYLO	14.892	8598	0.005	0
29		16.033	651	0.000	0
30		16.758	2834	0.000	0

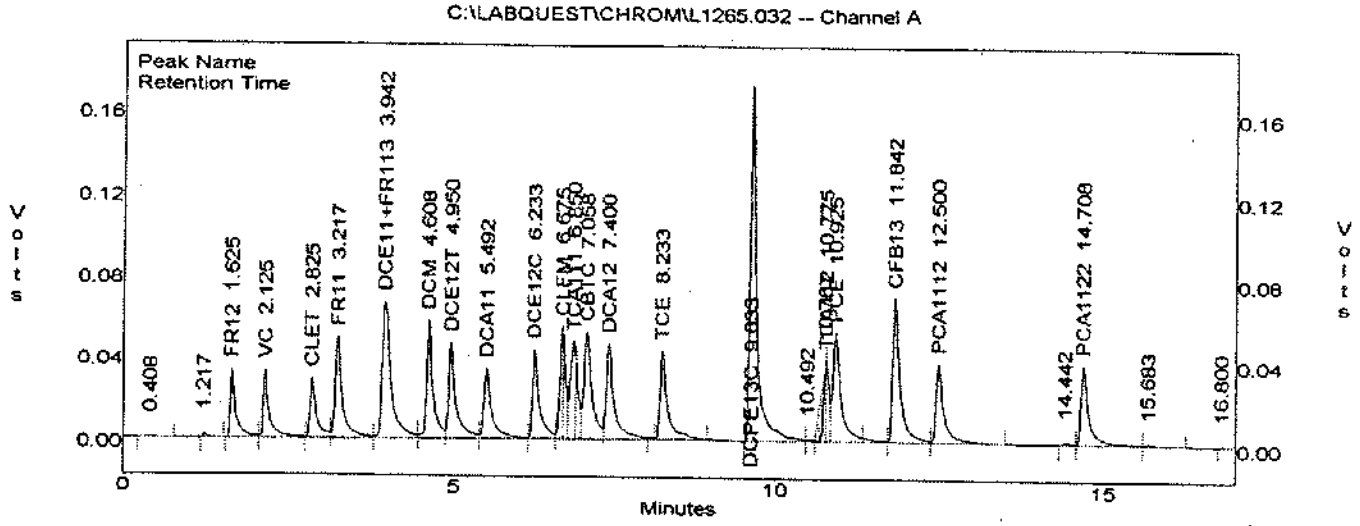
Continued...

File : C:\LABQUEST\CHROM\L1265.031
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516-2
quired : Dec 20, 1995 08:37:46
inted : Dec 20, 1995 08:55:25
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			267470	2.162	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.032
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 20, 1995 09:00:40
Printed : Dec 20, 1995 09:17:59
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.408	5252	0.000	0
2		1.217	9489	0.000	0
3	FR12	1.625	191020	0.030	0
4	VC	2.125	201630	0.033	0
5	CLET	2.825	185009	0.033	0
6	FR11	3.217	389275	0.038	0
7	DCE11+FR113	3.942	618560	0.090	0
8	DCM	4.608	385724	0.044	0
9	DCE12T	4.950	355588	0.040	0
10	DCA11	5.492	291890	0.031	0
11	DCE12C	6.233	326818	0.039	0
12	CLFM	6.675	325028	0.037	0
13	TCA111	6.850	408063	0.042	0
14	CBTC	7.058	464142	0.041	0
15	DCA12	7.400	409745	0.043	0
16	TCE	8.233	349656	0.035	0
17	DCPE13C	9.633	1222004	1.169	0
18		10.492	8884	0.000	0
19		10.767	113652	0.000	0
20	TCA112	10.775	612815	0.084	0
21	PCE	10.925	489033	0.044	0
22	CFB13	11.842	549755	1.104	0
23	PCA1112	12.500	329679	0.034	0
24		14.442	9352	0.000	0
25	PCA1122	14.708	328632	0.039	0
26		15.683	7725	0.000	0
27		16.800	542	0.000	0

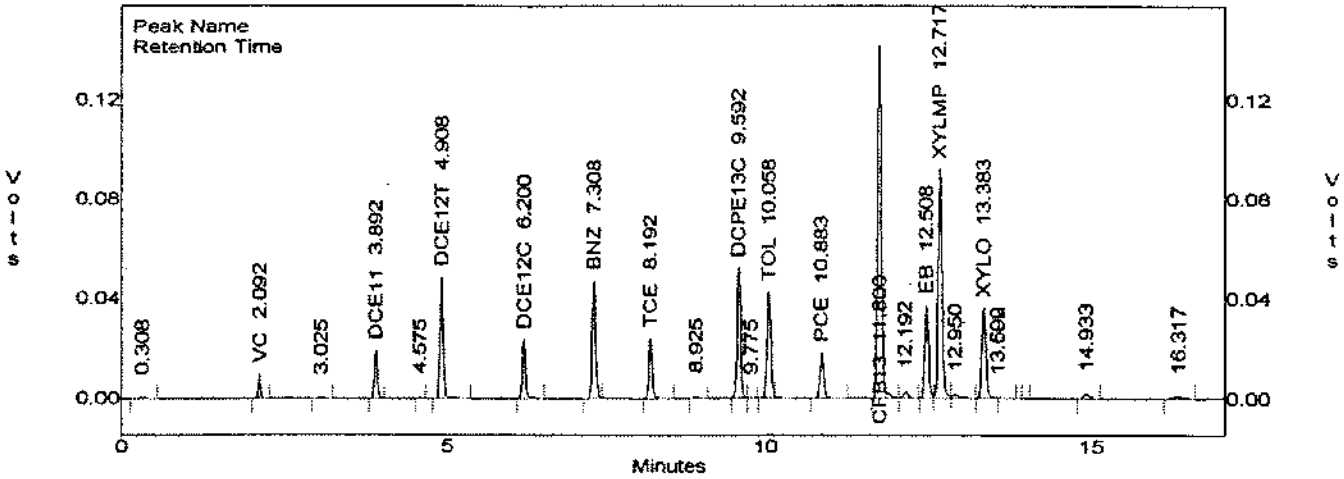
Totals :

	8588973	3.051

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.032
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 20, 1995 09:00:40
Printed : Dec 20, 1995 09:18:03
User : PAS

C:\LABQUEST\CHROM\L1265.032 -- Channel B



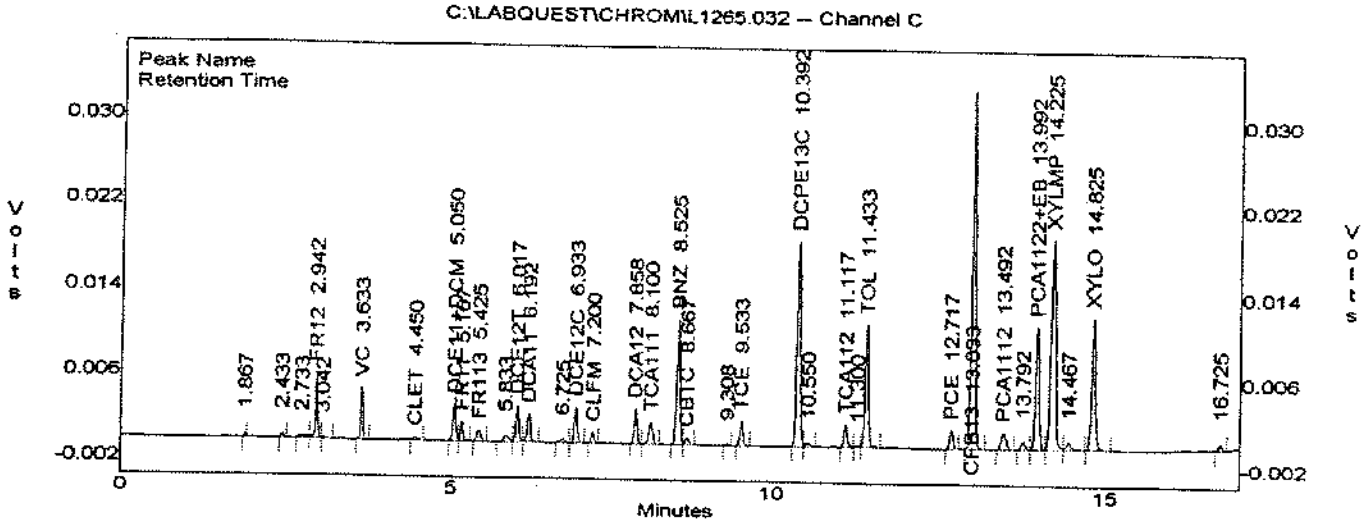
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		0.308	3174	0.000	0
2	VC	2.092	21282	0.021	0
3		3.025	2031	0.000	0
4	DCE11	3.892	65496	0.022	0
5		4.575	1426	0.000	0
6	DCE12T	4.908	159851	0.027	0
7	DCE12C	6.200	85958	0.026	0
8	BNZ	7.308	180628	0.027	0
9	TCE	8.192	94855	0.026	0
10		8.925	4724	0.000	0
11	DCPE13C	9.592	195413	0.948	0
12		9.775	1464	0.000	0
13	TOL	10.058	162842	0.025	0
14	PCE	10.883	77682	0.026	0
15	CFB13	11.800	587766	0.965	0
16		12.192	13909	0.000	0
17	EB	12.508	157223	0.028	0
18	XYLMP	12.717	395744	0.068	0
19		12.950	12410	0.000	0
20	XYLO	13.383	156757	0.027	0
21		13.592	1620	0.000	0
22		13.600	1411	0.000	0
23		14.933	12273	0.000	0
24		16.317	7630	0.000	0

Totals :

	2403580	2.236

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.032
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
Acquired : Dec 20, 1995 09:00:40
Printed : Dec 20, 1995 09:18:05
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.867	738	0.000	0
2		2.433	1095	0.000	0
3		2.733	2444	0.000	0
4	FR12	2.942	13731	0.027	0
5		3.042	556	0.000	0
6	VC	3.633	12757	0.026	0
7	CLET	4.450	1324	0.034	0
8	DCE11+DCM	5.050	10729	0.055	0
9	FR11	5.167	5342	0.028	0
10	FR113	5.425	4603	0.026	0
11		5.833	3078	0.000	0
12	DCE12T	6.017	10890	0.029	0
13	DCA11	6.192	9457	0.025	0
14		6.725	1576	0.000	0
15	DCE12C	6.933	10818	0.028	0
16	CLFM	7.200	3312	0.027	0
17	DCA12	7.858	10845	0.029	0
18	TCA111	8.100	8464	0.030	0
19	BNZ	8.525	41172	0.029	0
20	CBTC	8.667	2698	0.028	0
21		9.308	542	0.000	0
22	TCE	9.533	7919	0.028	0
23	DCPE13C	10.392	65527	1.013	0
24		10.550	1863	0.000	0
25	TCA112	11.117	7965	0.029	0
26		11.300	541	0.000	0
27	TOL	11.433	41395	0.029	0
28	PCE	12.717	6391	0.029	0
29	CFB13	13.033	120052	1.020	0
30	PCA1112	13.492	7829	0.037	0
31		13.792	3449	0.000	0
32	PCA1122+EB	13.992	42082	0.060	0
33	XYLMP	14.225	86572	0.061	0

Continued...

File : C:\LABQUEST\CHROM\L1265.032
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 50UL CAL9516
quired : Dec 20, 1995 09:00:40
inted : Dec 20, 1995 09:18:07
User : PAS

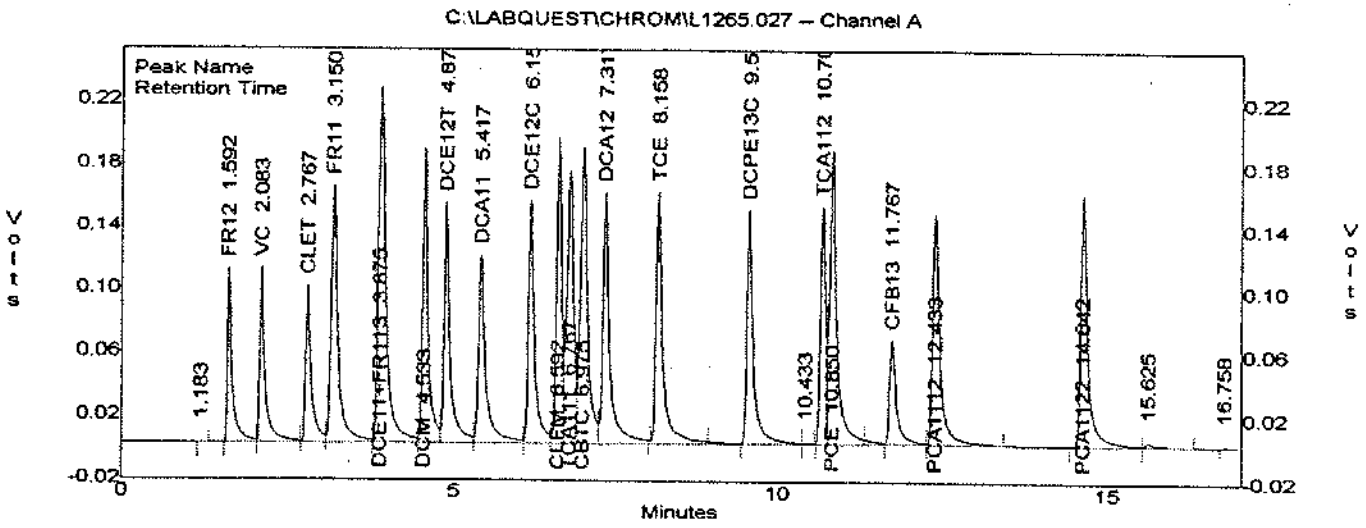
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		14.467	4554	0.000	0
35	XYLO	14.825	48885	0.030	0
36		16.725	2045	0.000	0

Totals :

	603273	2.759

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.027
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 20, 1995 06:57:38
Printed : Dec 20, 1995 08:00:19
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.183	950	0.000	0
2	FR12	1.592	552333	0.087	0
3	VC	2.083	609482	0.099	0
4	CLET	2.767	564369	0.102	0
5	FR11	3.150	1176248	0.116	0
6	DCE11+FR113	3.875	1867072	0.272	0
7	DCM	4.533	1079778	0.123	0
8	DCE12T	4.875	988657	0.112	0
9	DCA11	5.417	903001	0.096	0
10	DCE12C	6.158	999746	0.118	0
11	CLFM	6.592	1094090	0.126	0
12	TCA111	6.767	1242811	0.129	0
13	CBTC	6.975	1471774	0.130	0
14	DCA12	7.317	1217347	0.128	0
15	TCE	8.158	1179793	0.118	0
16	DCPE13C	9.558	1041328	0.996	0
17		10.433	6709	0.000	0
18	TCA112	10.700	838271	0.115	0
19	PCE	10.850	1494045	0.134	0
20	CFB13	11.767	501475	1.007	0
21	PCA1112	12.433	1133018	0.118	0
22	PCA1122	14.642	1186735	0.140	0
23		15.625	29045	0.000	0
24		16.758	3503	0.000	0

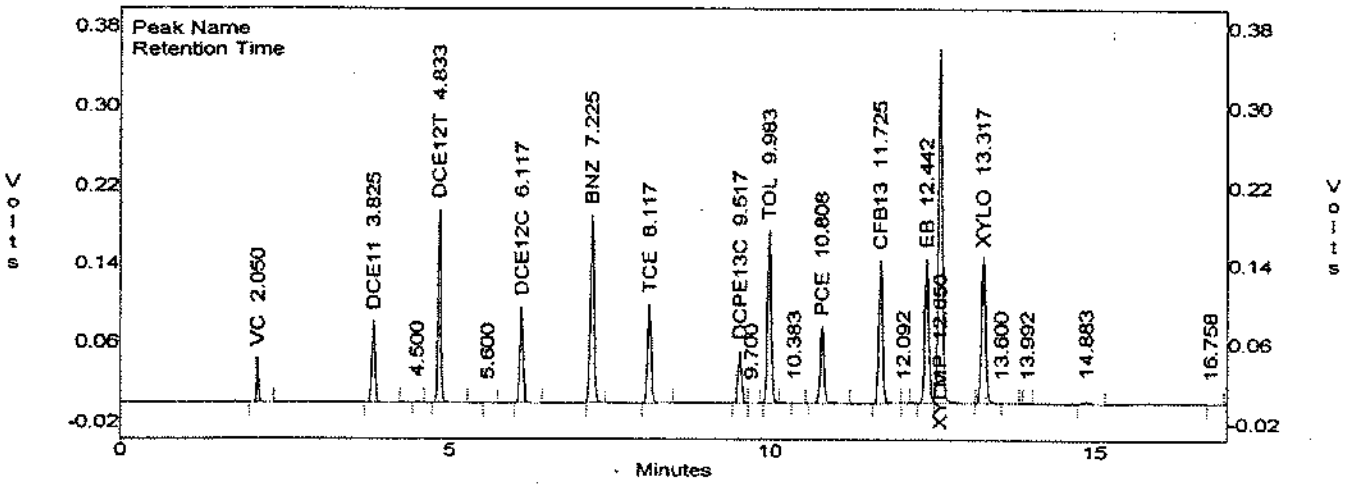
Totals :

	21181594	4.266

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.027
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 20, 1995 06:57:38
Printed : Dec 20, 1995 08:00:24
User : PAS

C:\LABQUEST\CHROM\L1265.027 — Channel B



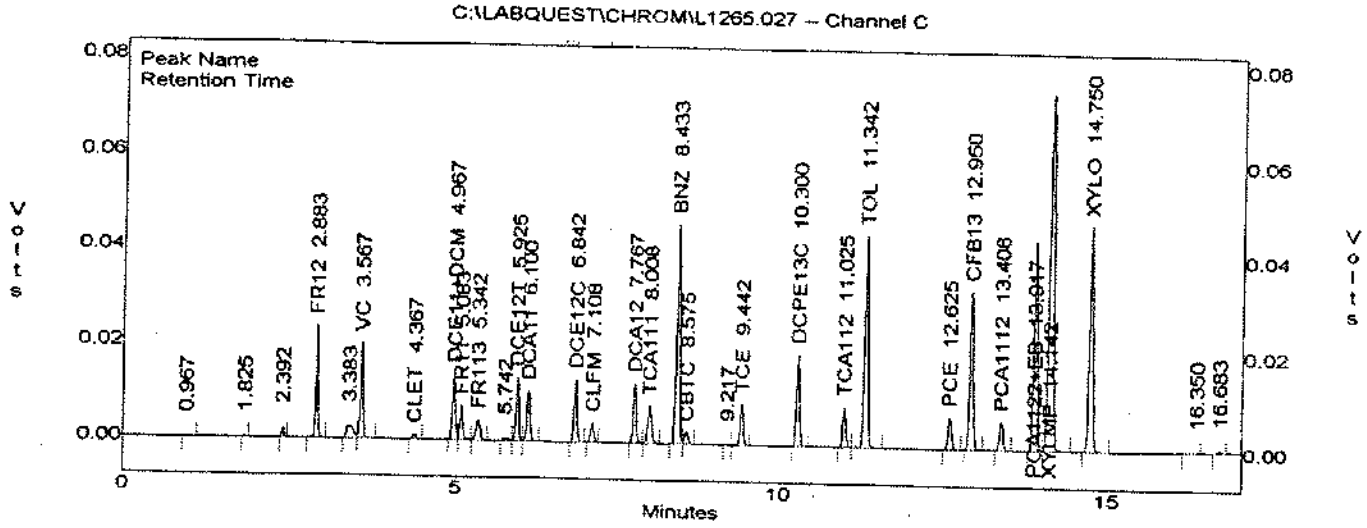
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.050	96211	0.094	0
2	DCE11	3.825	289339	0.099	0
3		4.500	5583	0.000	0
4	DCE12T	4.833	621068	0.104	0
5		5.600	878	0.000	0
6	DCE12C	6.117	341856	0.104	0
7	BNZ	7.225	751012	0.110	0
8	TCE	8.117	389491	0.105	0
9	DCPE13C	9.517	199933	0.970	0
10		9.700	1997	0.000	0
11	TOL	9.983	713014	0.109	0
12		10.383	1258	0.000	0
13	PCE	10.808	326181	0.109	0
14	CFB13	11.725	591477	0.971	0
15		12.092	696	0.000	0
16	EB	12.442	634366	0.114	0
17	XYLMP	12.650	1546353	0.266	0
18	XYLO	13.317	644149	0.112	0
19		13.600	1401	0.000	0
20		13.992	1319	0.000	0
21		14.883	15952	0.000	0
22		16.758	993	0.000	0

Totals :

	7174533	3.269

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.027
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
Acquired : Dec 20, 1995 06:57:38
Printed : Dec 20, 1995 08:00:26
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.967	526	0.000	0
2		1.825	836	0.000	0
3		2.392	4521	0.000	0
4	FR12	2.883	50729	0.101	0
5		3.383	18991	0.000	0
6	VC	3.567	52610	0.108	0
7	CLET	4.367	3996	0.103	0
8	DCE11+DCM	4.967	42441	0.218	0
9	FR11	5.083	20867	0.109	0
10	FR113	5.342	18579	0.106	0
11		5.742	3042	0.000	0
12	DCE12T	5.925	40121	0.106	0
13	DCA11	6.100	35716	0.093	0
14	DCE12C	6.842	41908	0.110	0
15	CLFM	7.108	13898	0.115	0
16	DCA12	7.767	42091	0.112	0
17	TCA111	8.008	31988	0.112	0
18	BNZ	8.433	161202	0.113	0
19	CBTC	8.575	10346	0.109	0
20		9.217	577	0.000	0
21	TCE	9.442	30673	0.110	0
22	DCPE13C	10.300	65718	1.016	0
23	TCA112	11.025	30882	0.113	0
24	TOL	11.342	160580	0.113	0
25	PCE	12.625	24960	0.113	0
26	CFB13	12.950	119155	1.012	0
27	PCA1112	13.408	23884	0.113	0
28	PCA1122+EB	13.917	162284	0.230	0
29	XYLMP	14.142	325641	0.230	0
30	XYLO	14.750	187526	0.116	0
31		16.350	508	0.000	0
32		16.683	2094	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.027
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 200UL CAL9516
uired : Dec 20, 1995 06:57:38
nted : Dec 20, 1995 08:00:28
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			1728903	4.781	

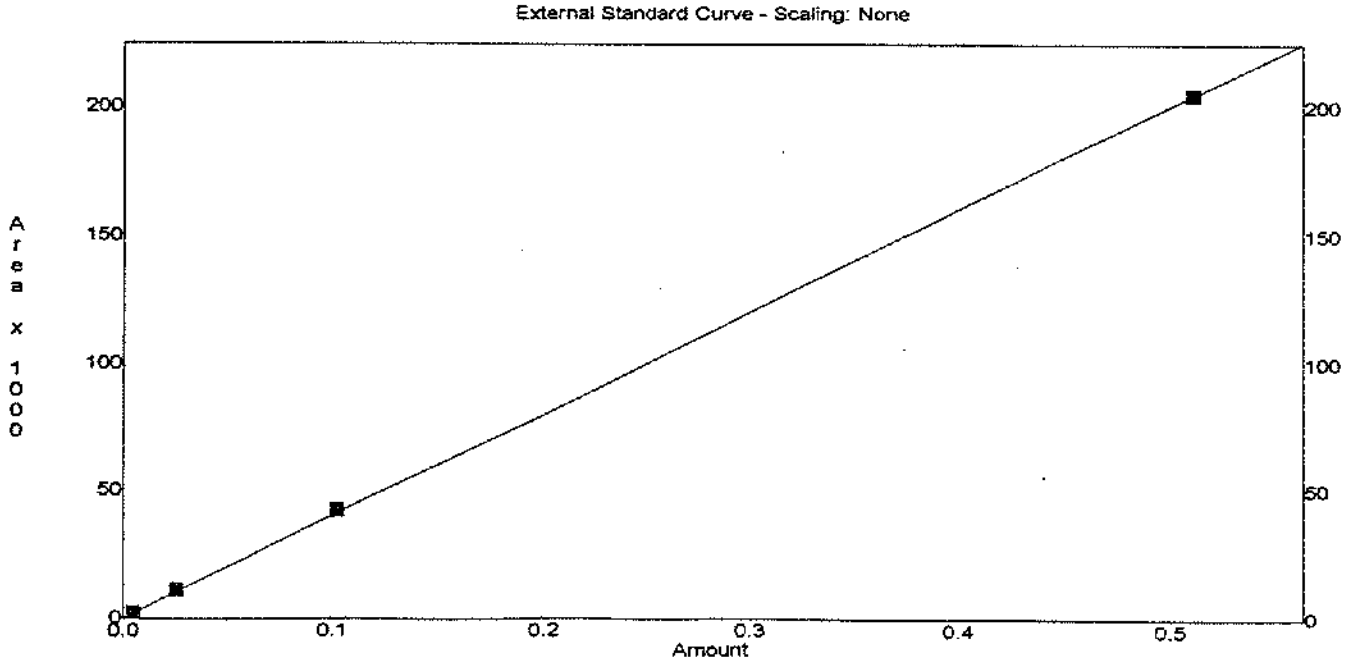
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:27:23
Channel : C
Peak : DCA12

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1772	0.00511	2.883e-006	1772					0	0
2	10845	0.0256	2.36e-006	10845					0	0
3	42092	0.1022	2.428e-006	42092					0	0
4	204893	0.511	2.494e-006	204893					0	0

Average RF: 2.54146e-006
RF StdDev: 2.34399e-007
RF %RSD: 9.223

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.491e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:24
Channel : C
Peak : TCA111

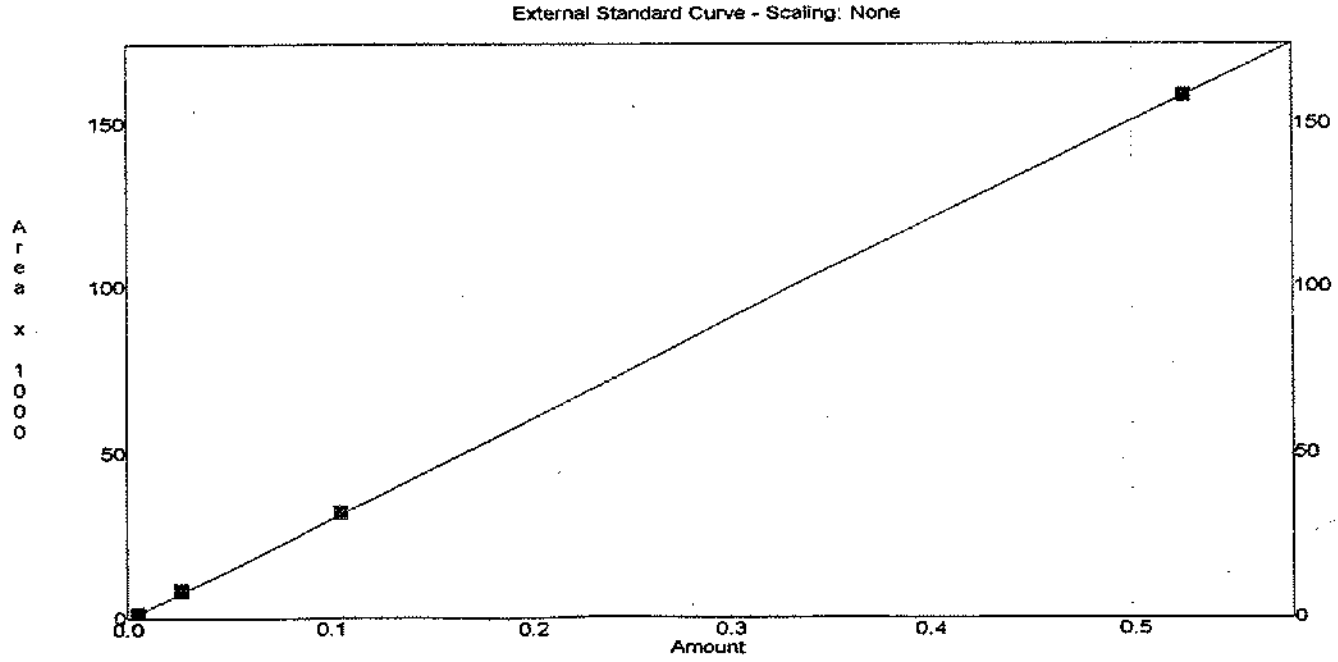
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1319	0.00524	3.974e-006	1319					0	0
2	8485	0.0262	3.088e-006	8485					0	0
3	31989	0.1048	3.276e-006	31989					0	-
4	158596	0.524	3.304e-006	158596					0	

Average RF: 3.41045e-006
RF StdDev: 3.87558e-007
RF %RSD: 11.3639

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.302e-006 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:05
Channel : B
Peak : TOL

* - Replicate Not Used

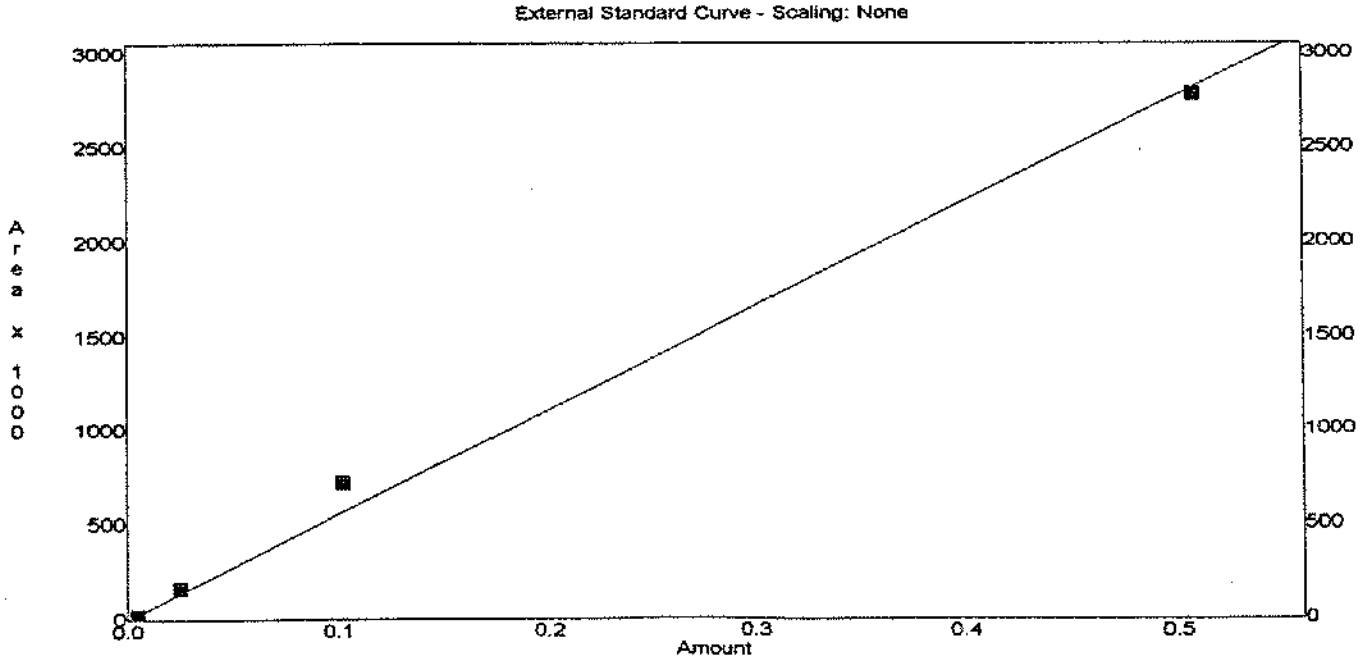
Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	13871	0.00508	3.662e-007	13871					0	0
2	162843	0.0254	1.56e-007	162843					0	0
3	713014	0.102	1.431e-007	713014					0	0
4	2777878	0.508	1.829e-007	2777878					0	0

Average RF: 2.12036e-007
RF StdDev: 1.04131e-007
RF %RSD: 49.1099

See FID

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.803e-007 x Area + 0.000e+000
R^2 = 0.9953



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:06
Channel : B
Peak : PCE

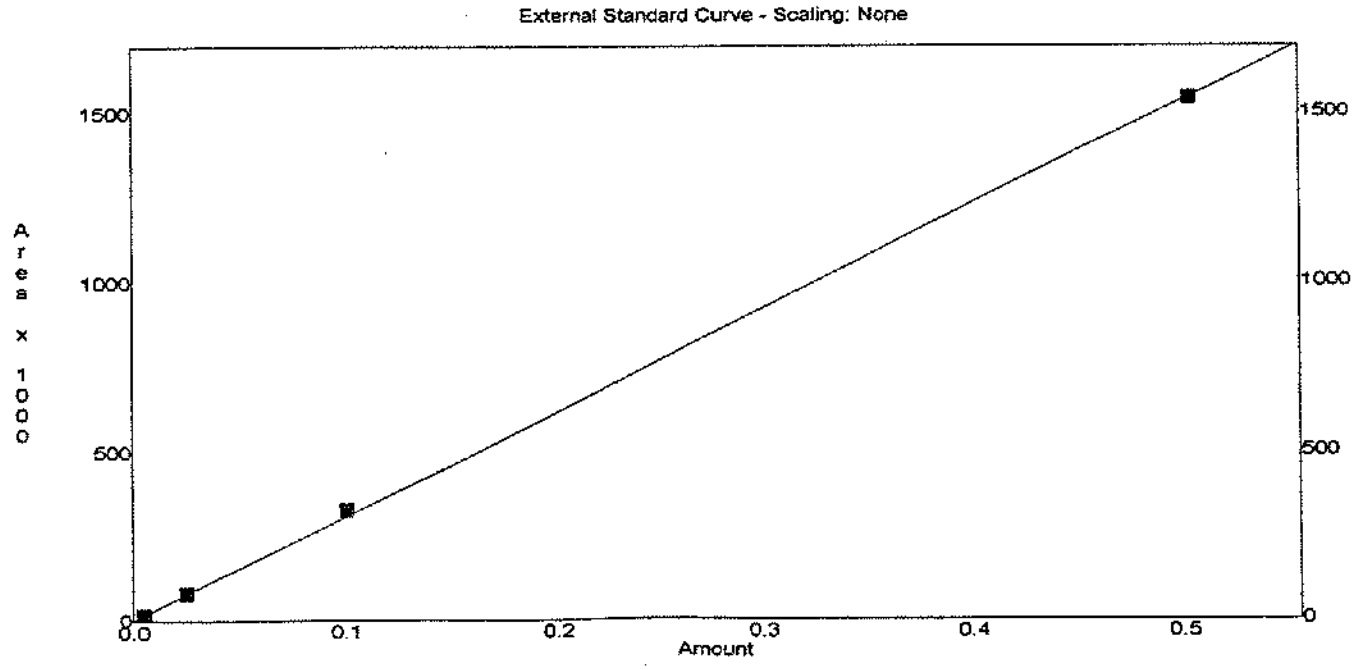
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	13848	0.00503	3.632e-007	13848					0	
2	77683	0.02515	3.238e-007	77683					0	
3	326181	0.1006	3.084e-007	326181					0	0
4	1543283	0.503	3.259e-007	1543283					0	0

Average RF: 3.30333e-007
RF StdDev: 2.32767e-008
RF %RSD: 7.04643

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.252e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:08
Channel : B
Peak : CFB13

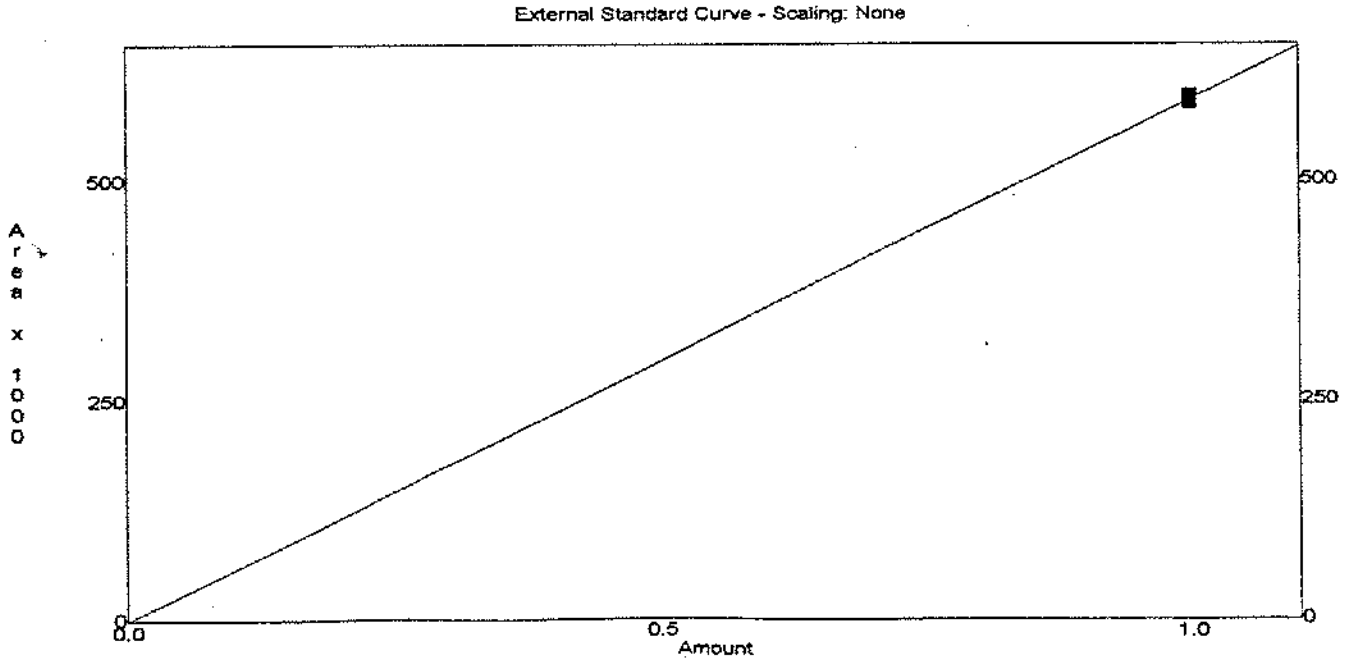
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	588755	1	1.698e-006	588755					0	0
2	587766	1	1.701e-006	587766					0	0
3	591477	1	1.691e-006	591477					0	0
4	594328	1	1.683e-006	594328					0	0

Average RF: 1.69328e-006
RF StdDev: 8.44256e-009
RF %RSD: 0.498593

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.693e-006 x Area + 0.000e+000
R^2 = 0.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:09
Channel : B
Peak : EB

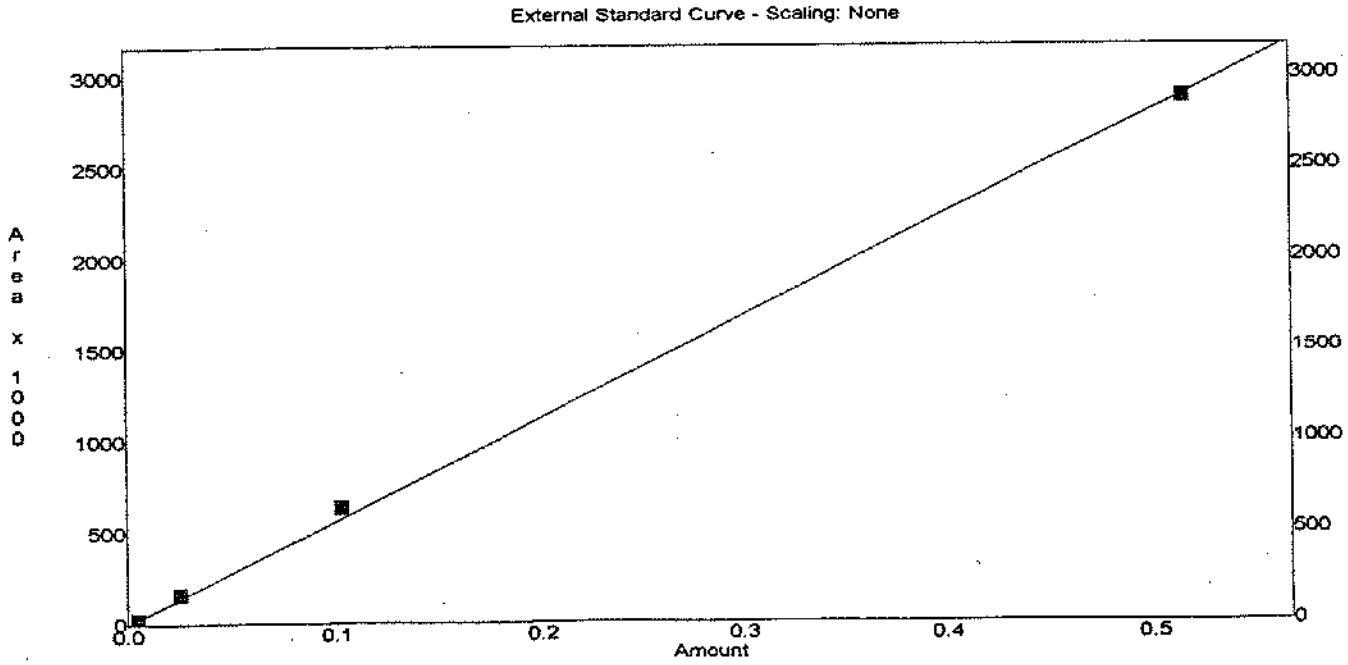
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	22242	0.00515	2.315e-007	22242					0	0
2	157223	0.0258	1.641e-007	157223					0	0
3	634366	0.103	1.624e-007	634366					0	0
4	2879405	0.515	1.789e-007	2879405					0	0

Average RF: 1.84217e-007
RF StdDev: 3.24093e-008
RF %RSD: 17.593

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.781e-007 x Area + 0.000e+000
R^2 = 0.9994



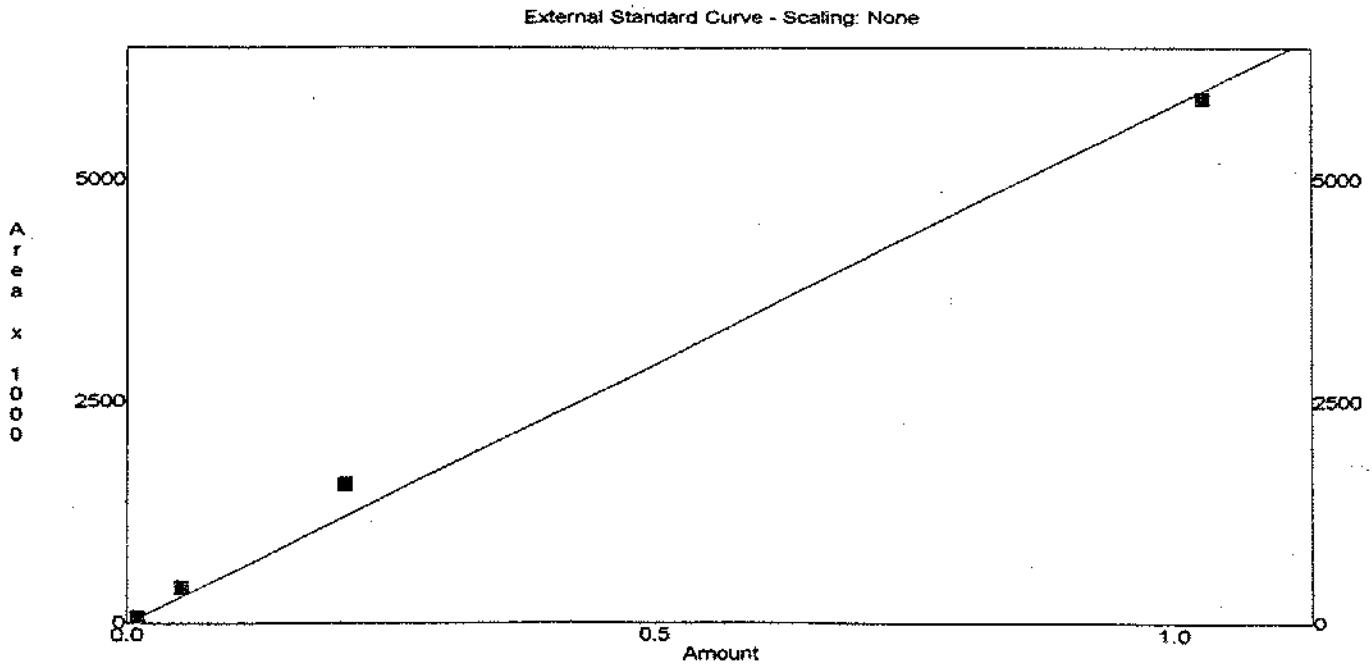
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:35:10
Channel : B
Peak : XYLMP

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	58508	0.01028	1.757e-007	58508					0	0
2	395745	0.0514	1.299e-007	395745					0	0
3	1546353	0.2056	1.33e-007	1546353					0	0
4	5903419	1.028	1.741e-007	5903419					0	0

Average RF: 1.5317e-007
RF StdDev: 2.51544e-008
RF %RSD: 16.4226

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.713e-007 x Area + 0.000e+000
R^2 = 0.9940



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:11
Channel : B
Peak : XYLO

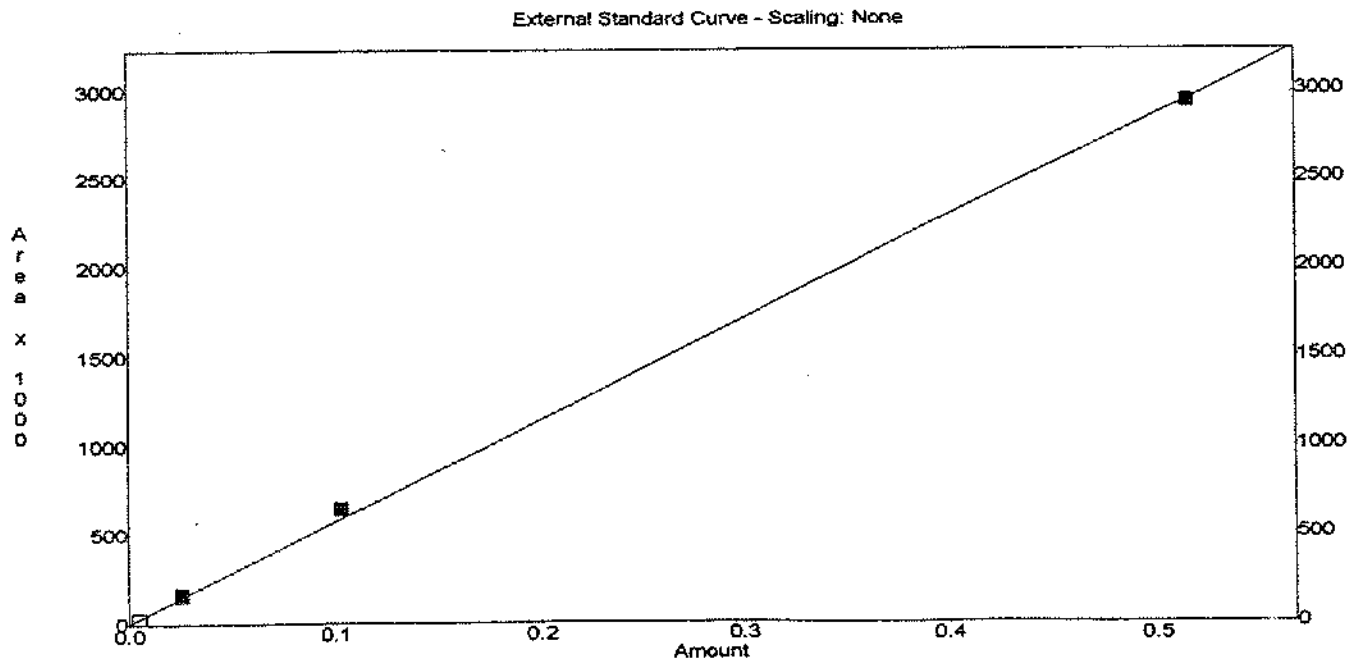
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	21025	0.00515	2.449e-007	21025*						
2	156758	0.0258	1.646e-007	156758					0	(
3	644150	0.103	1.599e-007	644150					0	0
4	2934470	0.515	1.755e-007	2934470					0	0

Average RF: 1.66662e-007
RF StdDev: 8.00446e-009
RF %RSD: 4.80281

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.748e-007 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\L1265_2.MET

Printed : Dec 20, 1995 09:27:05

Channel : C

Peak : FR12

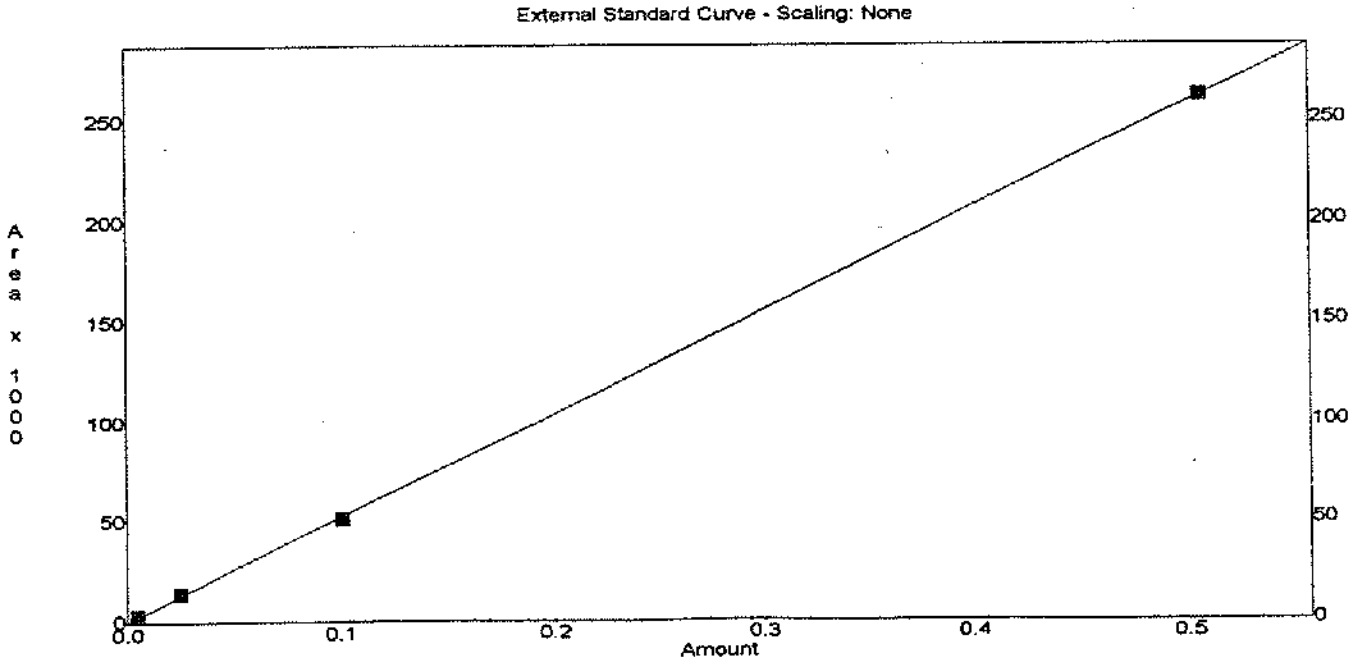
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	3184	0.00506	1.589e-006	3184					0	0
2	13731	0.0253	1.843e-006	13731					0	0
3	50729	0.1012	1.995e-006	50729					0	0
4	261955	0.506	1.932e-006	261955					0	0

Average RF: 1.83957e-006
RF StdDev: 1.78234e-007
RF %RSD: 9.68891

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.934e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:11
Channel : C
Peak : VC

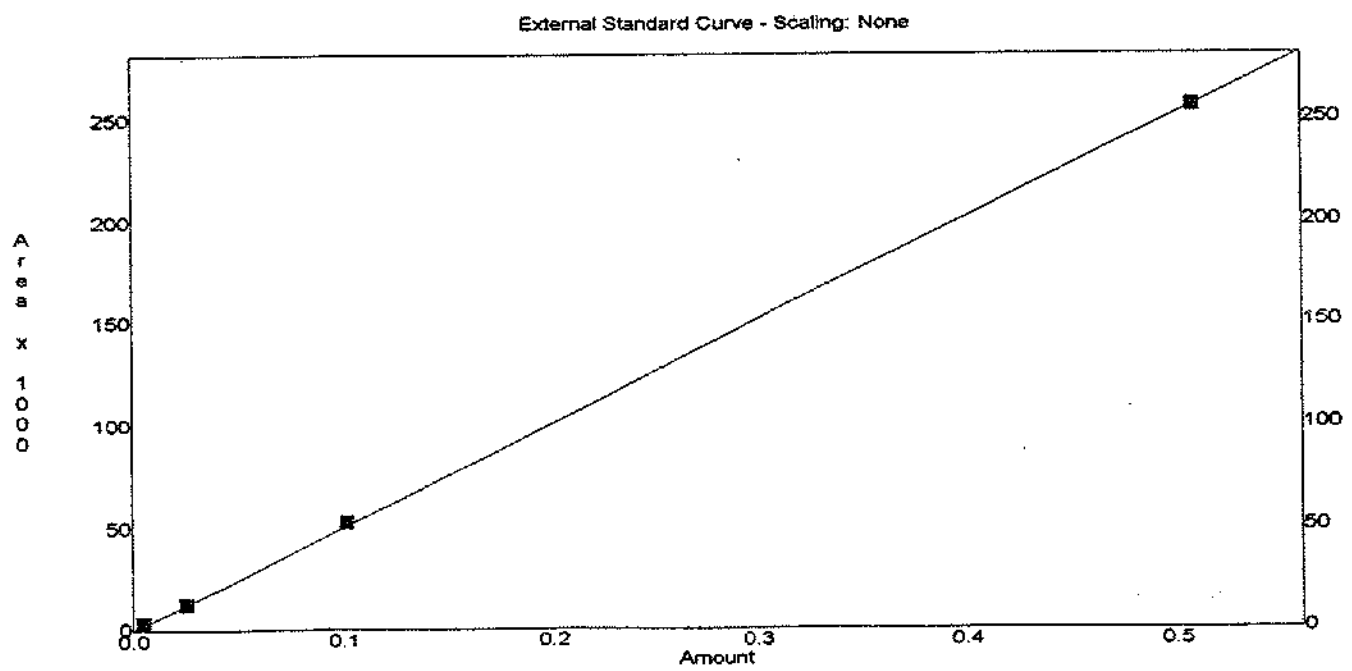
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	3322	0.00508	1.529e-006	3322					0	
2	12758	0.0254	1.991e-006	12758					0	
3	52611	0.1016	1.931e-006	52611					0	0
4	256190	0.508	1.983e-006	256190					0	0

Average RF: 1.85862e-006
RF StdDev: 2.21055e-007
RF %RSD: 11.8935

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.981e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:13
Channel : C
Peak : CLET

* - Replicate Not Used

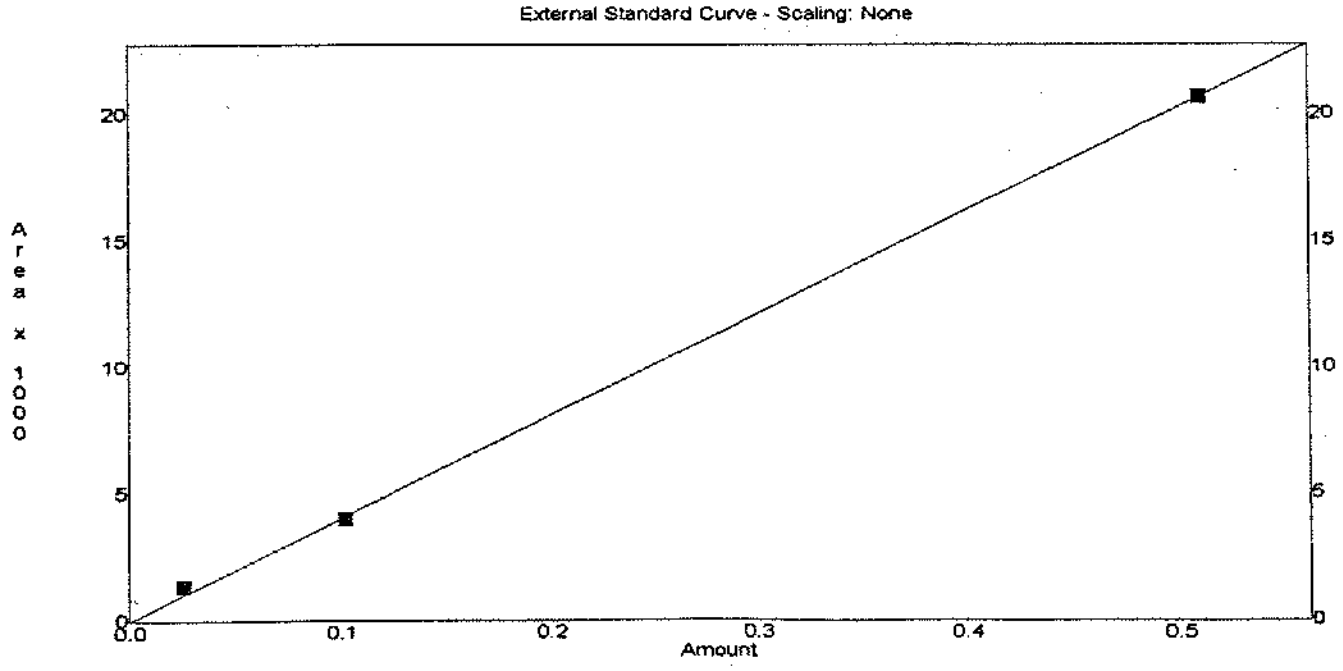
Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
2	1325	0.0255	1.925e-005	1325					0	0
3	3996	0.102	2.553e-005	3996					0	0
4	20654	0.51	2.469e-005	20654					0	0

See Hall detector

Average RF: 2.31567e-005
RF StdDev: 3.40668e-006
RF %RSD: 14.7114

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.470e-005 x Area + 0.000e+000
R^2 = 0.9995



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:14
Channel : C
Peak : DCE11+DCM

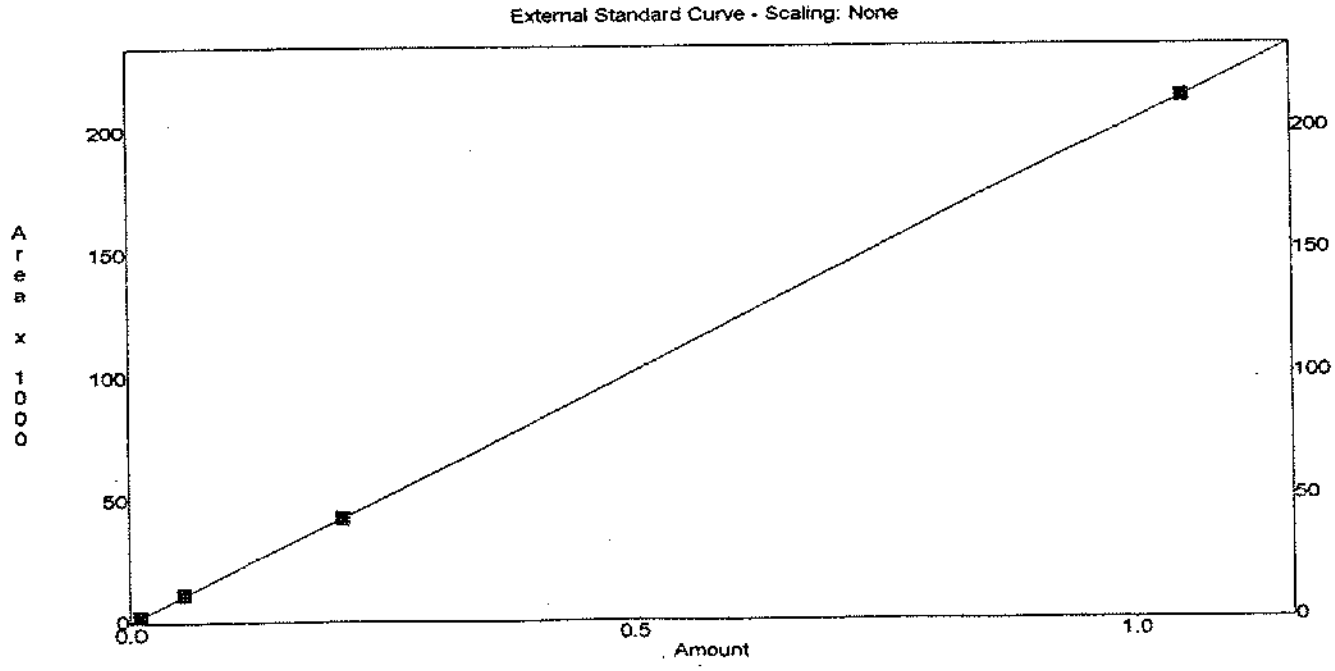
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1730	0.01049	6.064e-006	1730					0	0
2	10729	0.05245	4.888e-006	10729					0	0
3	42442	0.2098	4.943e-006	42442					0	0
4	213105	1.049	4.922e-006	213105					0	0

Average RF: 5.20466e-006
RF StdDev: 5.73642e-007
RF %RSD: 11.0217

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 4.923e-006 x Area + 0.000e+000
R^2 = 1.0000



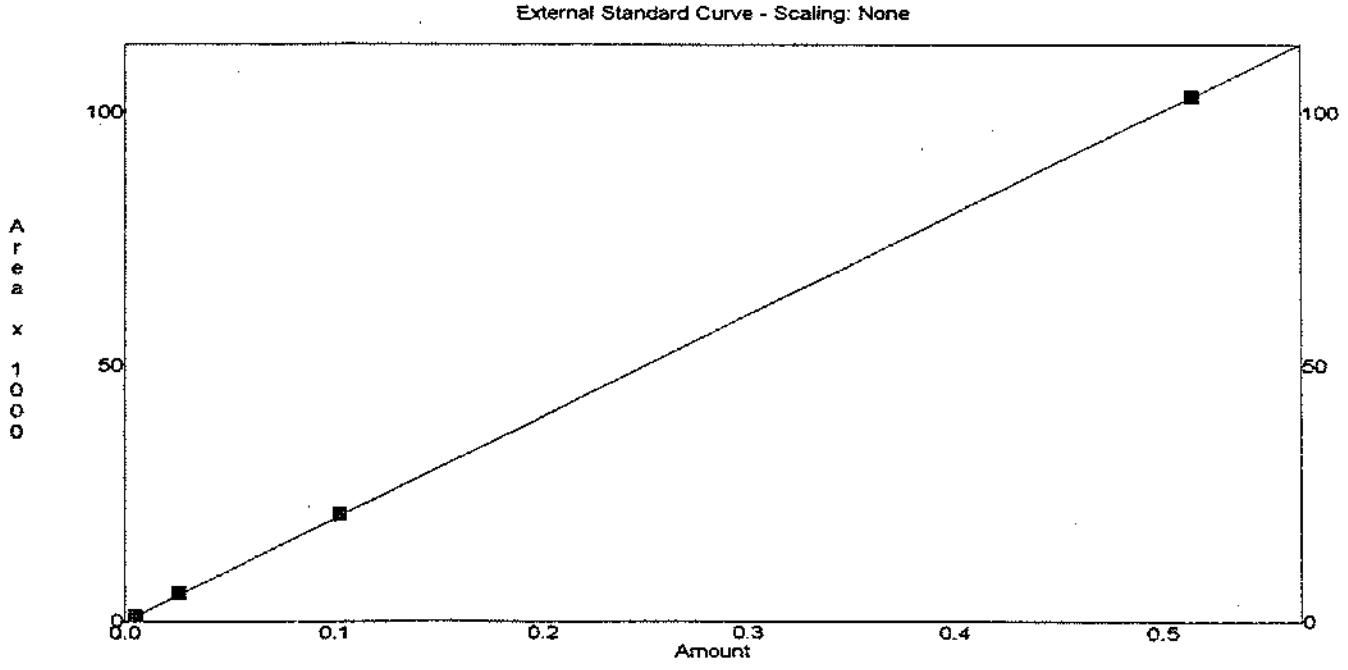
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:27:15
Channel : C
Peak : FR11

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	851	0.00514	6.038e-006	851					0	0
2	5342	0.0257	4.811e-006	5342					0	0
3	20867	0.1028	4.926e-006	20867					0	0
4	103137	0.514	4.984e-006	103137					0	0

Average RF: 5.18969e-006
RF StdDev: 5.70228e-007
RF %RSD: 10.9877

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 4.981e-006 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:16
Channel : C
Peak : FR113

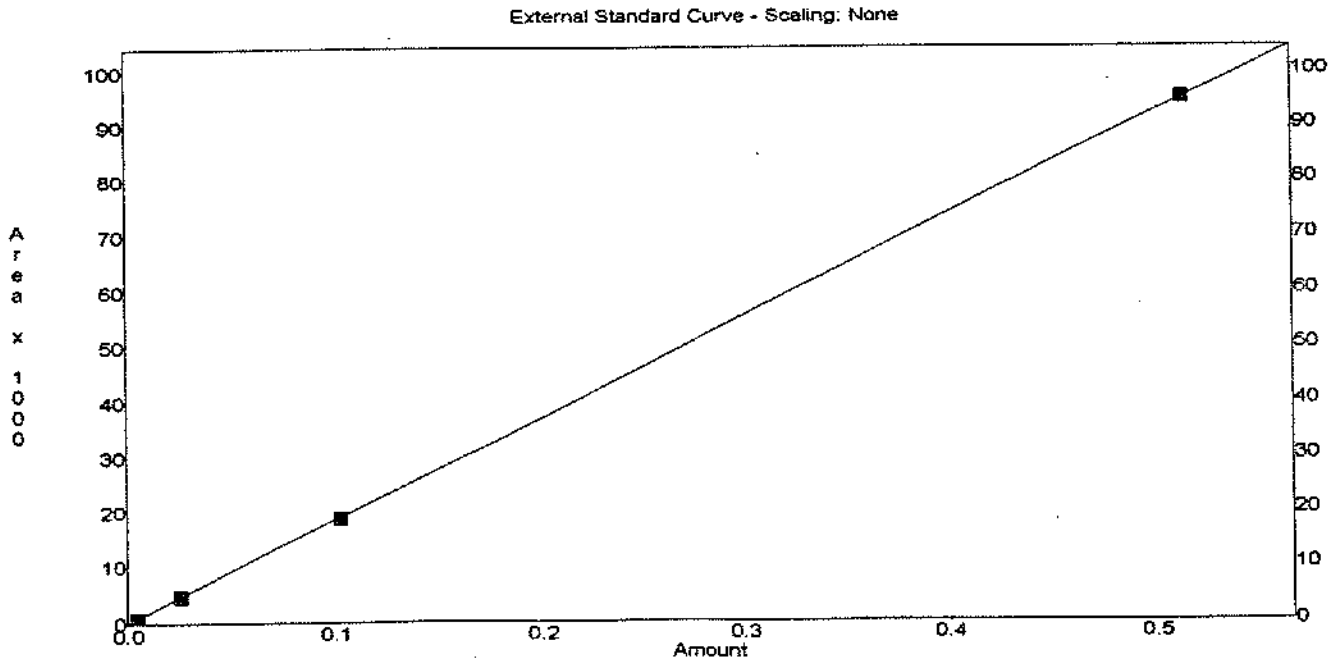
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	731	0.00513	7.018e-006	731					0	0
2	4604	0.0257	5.583e-006	4604					0	0
3	18579	0.1026	5.522e-006	18579					0	0
4	94846	0.513	5.409e-006	94846					0	0

Average RF: 5.88289e-006
RF StdDev: 7.60024e-007
RF %RSD: 12.9192

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 5.413e-006 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET

Printed : Dec 20, 1995 09:27:18

Channel : C

Peak : DCE12T

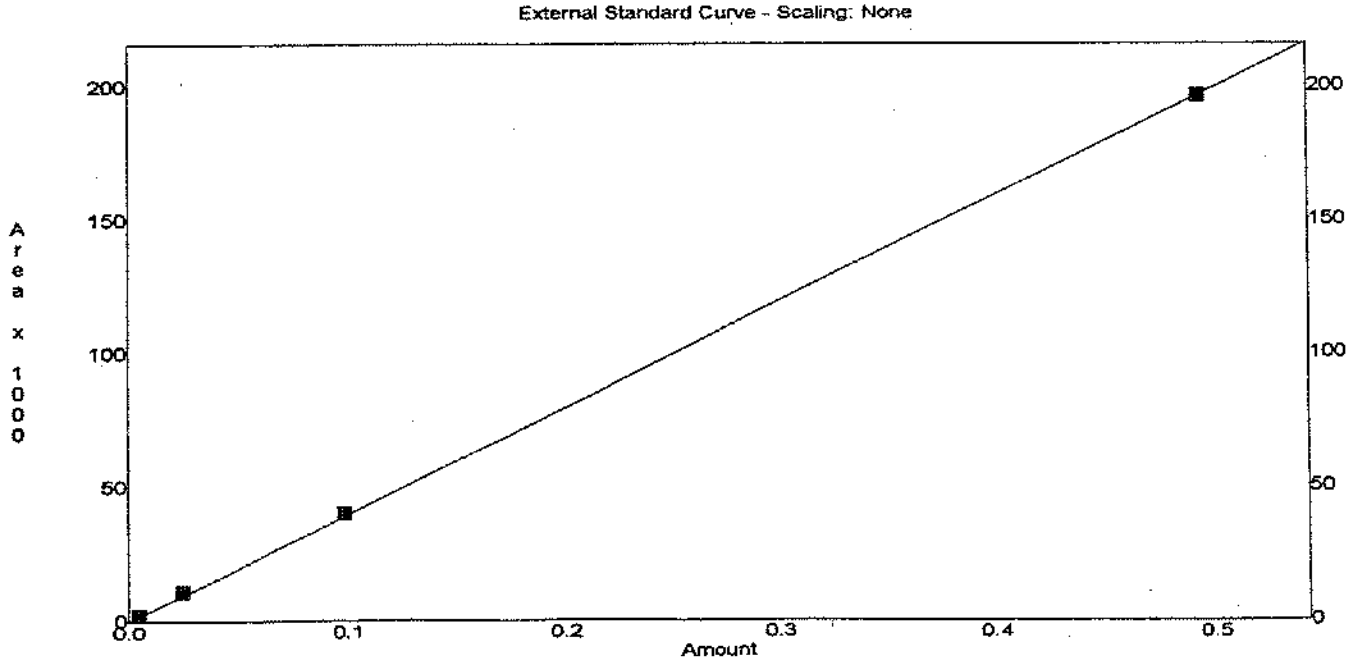
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	2159	0.00493	2.293e-006	2159					0	0
2	10890	0.02465	2.263e-006	10890					0	0
3	40121	0.0986	2.458e-006	40121					0	0
4	196359	0.493	2.511e-006	196359					0	0

Average RF: 2.37874e-006
RF StdDev: 1.23866e-007
RF %RSD: 5.2072

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.508e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:19
Channel : C
Peak : DCA11

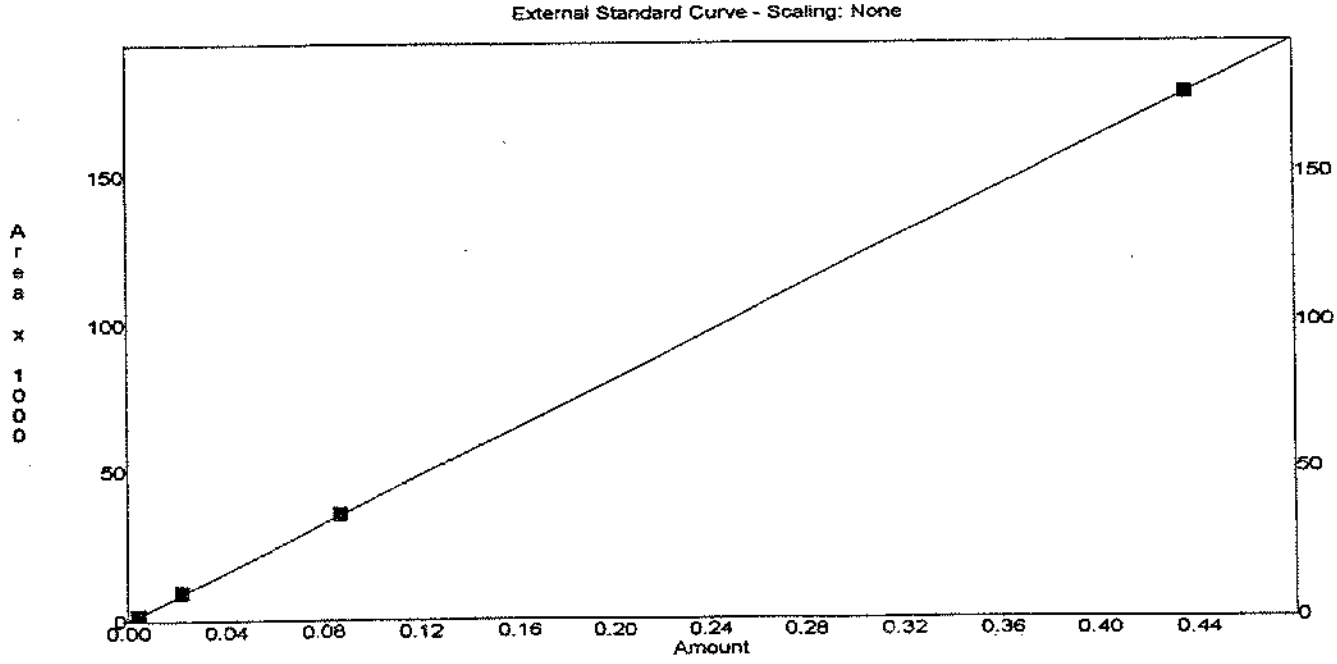
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1622	0.00436	2.688e-006	1622					0	0
2	9458	0.0218	2.305e-006	9458					0	0
3	35716	0.0872	2.441e-006	35716					0	0
4	176746	0.436	2.467e-006	176746					0	0

Average RF: 2.47529e-006
RF StdDev: 1.58549e-007
RF %RSD: 6.40529

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.465e-006 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:20
Channel : C
Peak : DCE12C

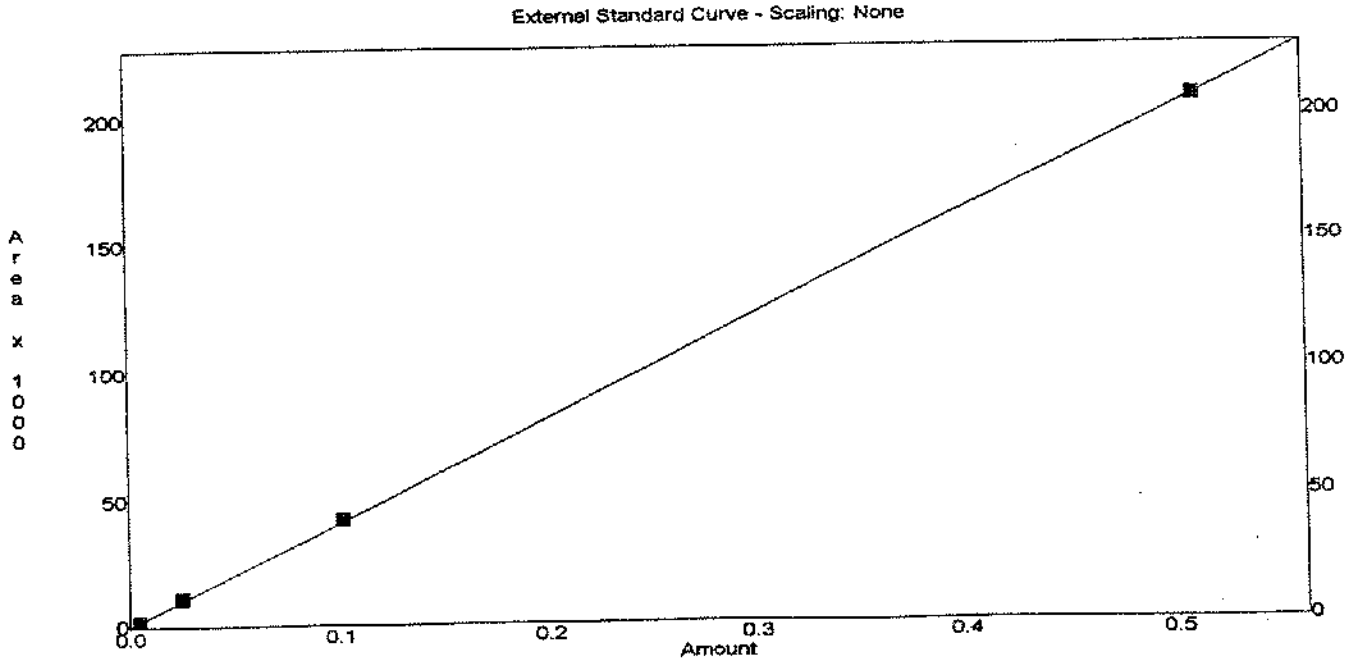
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1755	0.0051	2.906e-006	1755					0	0
2	10819	0.0255	2.357e-006	10819					0	0
3	41909	0.102	2.434e-006	41909					0	0
4	206783	0.51	2.466e-006	206783					0	0

Average RF: 2.54072e-006
RF StdDev: 2.47513e-007
RF %RSD: 9.74185

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.465e-006 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:22
Channel : C
Peak : CLFM

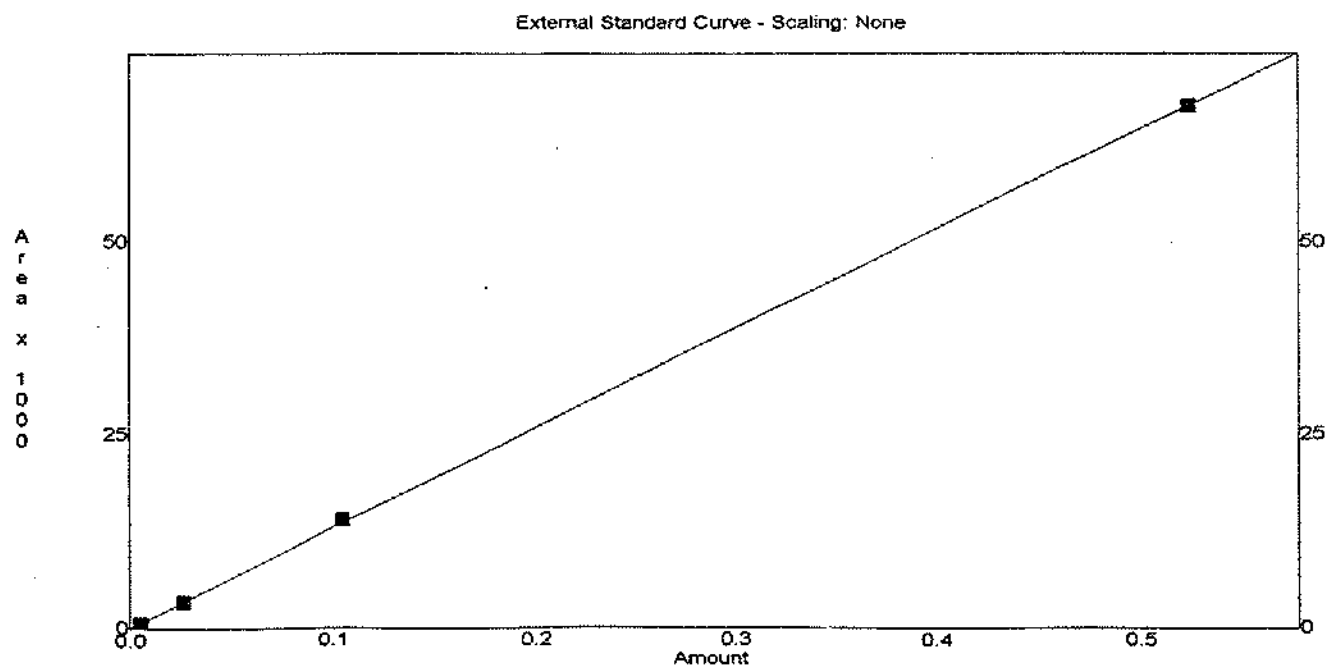
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	546	0.00523	9.579e-006	546					0	
2	3313	0.0262	7.909e-006	3313					0	
3	13899	0.105	7.555e-006	13899					0	0
4	67436	0.523	7.755e-006	67436					0	0

Average RF: 8.19961e-006
RF StdDev: 9.30827e-007
RF %RSD: 11.3521

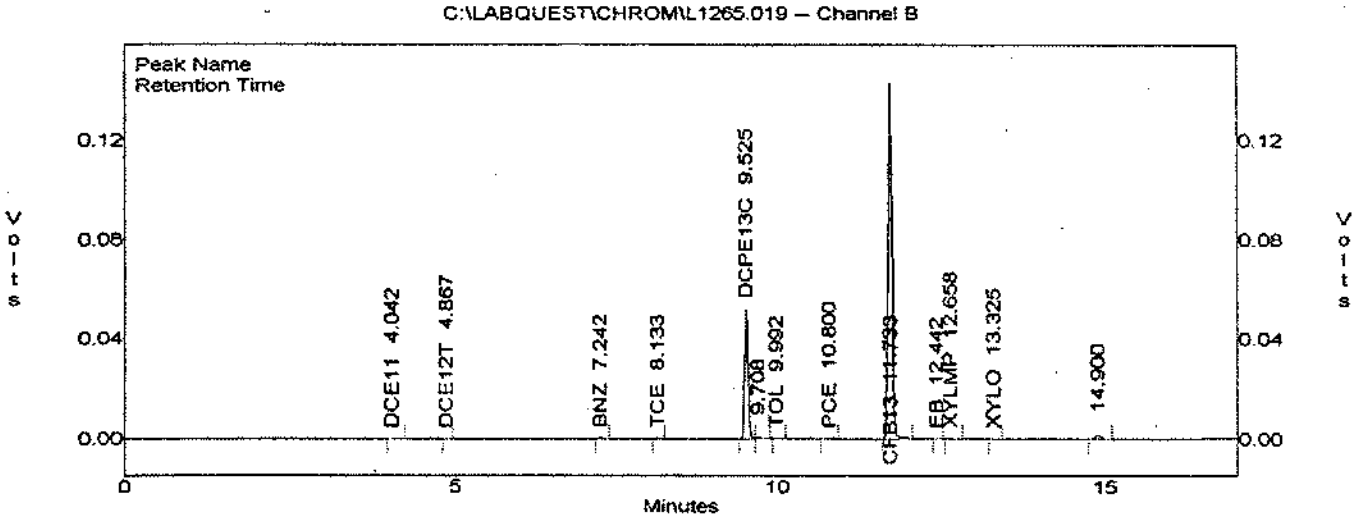
RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 7.748e-006 x Area + 0.000e+000
R^2 = 1.0000



Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.019
Method : C:\LABQUEST\METHODS\L1265.MET
SampleID : SYSTEM BLANK
Acquired : Dec 19, 1995 14:25:49
Printed : Dec 19, 1995 14:43:13
User : PAS



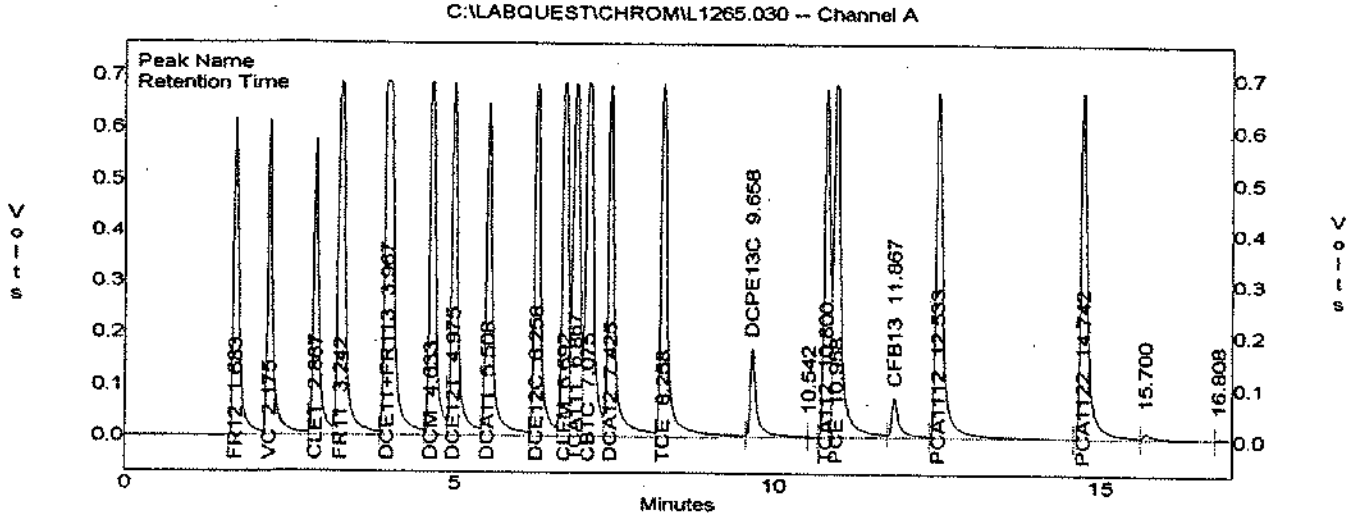
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.042	926	0.318	0
2	DCE12T	4.867	528	0.089	0
--	DCE12C	6.190	0	0.000	0
3	BNZ	7.242	794	0.117	0
4	TCE	8.133	1101	0.297	0
5	DCPE13C	9.525	197241	957.290	0
6		9.708	1928	0.000	0
7	TOL	9.992	664	0.101	0
8	PCE	10.800	1730	0.576	0
9	CFB13	11.733	584029	958.893	0
10	EB	12.442	500	0.090	0
11	XYLMP	12.658	1602	0.276	0
12	XYLO	13.325	638	0.111	0
13		14.900	11910	0.000	0

Totals :

	803595	1918.158

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.030
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 20, 1995 08:13:53
Printed : Dec 20, 1995 08:31:19
User : PAS



Channel A Results

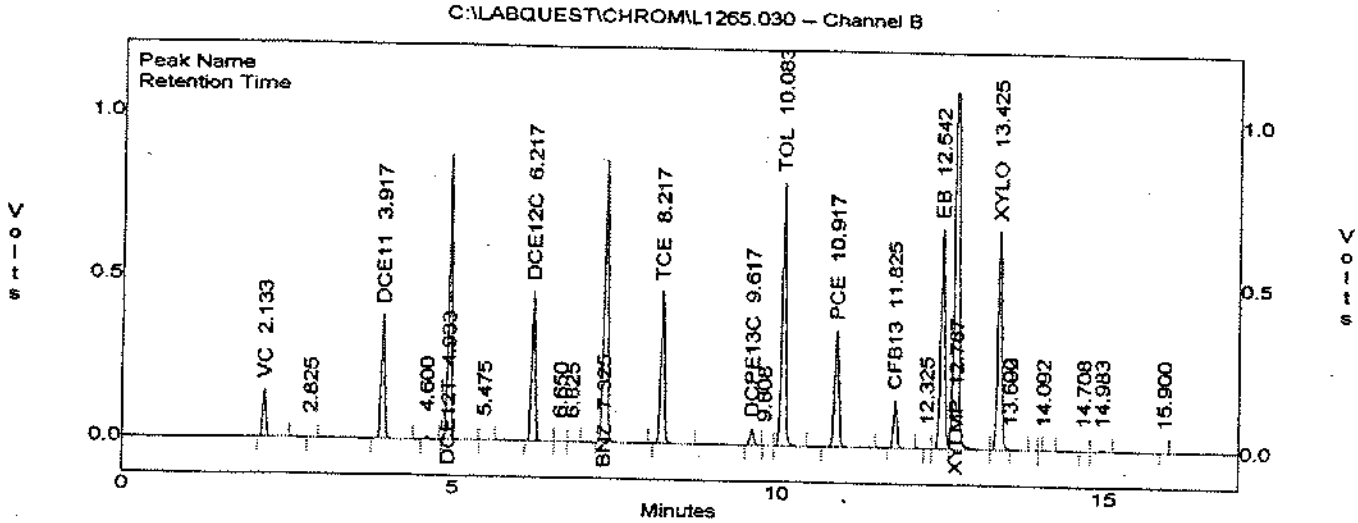
peak	Compound	RT	area	Conc (ug/l)	Rf
1	FR12	1.683	3617629	0.569	0
2	VC	2.175	3525511	0.573	0
3	CLET	2.867	3241175	0.585	0
4	FR11	3.242	5607854	0.553	0
5	DCE11+FR113	3.967	7257691	1.058	0
6	DCM	4.633	4708749	0.536	0
7	DCE12T	4.975	4664625	0.528	0
8	DCA11	5.508	4498464	0.476	0
9	DCE12C	6.258	4566902	0.540	0
10	CLFM	6.692	4700835	0.542	0
11	TCA111	6.867	5423823	0.561	0
12	CBTC	7.075	6173828	0.545	0
13	DCA12	7.425	5151291	0.542	0
14	TCE	8.258	5367297	0.538	0
15	DCPE13C	9.658	1270678	1.216	0
16		10.542	19036	0.000	0
17	TCA112	10.800	3950467	0.544	0
18	PCE	10.958	6020691	0.539	0
19	CFB13	11.867	670130	1.345	0
20	PCA1112	12.533	5399093	0.563	0
21	PCA1122	14.742	5065252	0.597	0
22		15.700	157051	0.000	0
23		16.808	15774	0.000	0

Totals :

	91073856	12.950

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

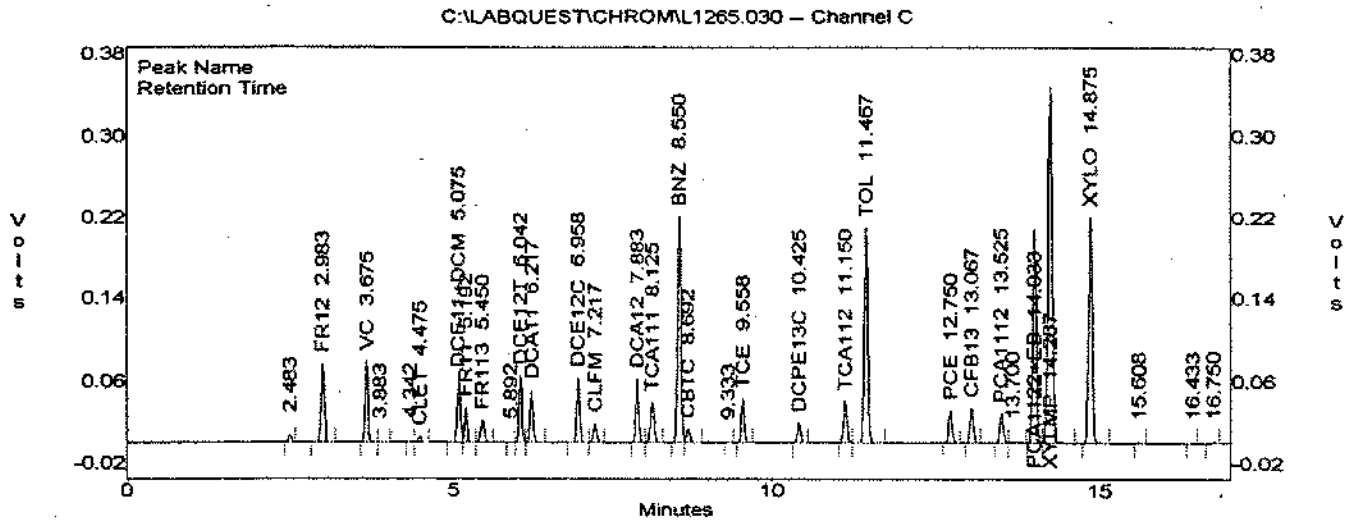
File : C:\LABQUEST\CHROM\L1265.030
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 20, 1995 08:13:53
Printed : Dec 20, 1995 08:31:24
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.133	502242	0.493	0
2		2.825	1618	0.000	0
3	DCE11	3.917	1452838	0.499	0
4		4.600	33922	0.000	0
5	DCE12T	4.933	2931266	0.493	0
6		5.475	1949	0.000	0
7	DCE12C	6.217	1689751	0.515	0
8		6.650	2053	0.000	0
9		6.825	863	0.000	0
10	BNZ	7.325	3537462	0.519	0
11	TCE	8.217	1883070	0.508	0
12	DCPE13C	9.617	199448	0.968	0
13		9.808	1512	0.000	0
14	TOL	10.083	3367976	0.513	0
15	PCE	10.917	1543282	0.514	0
16	CFB13	11.825	594327	0.976	0
17		12.325	588	0.000	0
18	EB	12.542	2879405	0.518	0
19	XYLMP	12.767	5903419	1.015	0
20	XYLO	13.425	2934469	0.511	0
21		13.592	20599	0.000	0
22		13.600	15776	0.000	0
23		14.092	4495	0.000	0
24		14.708	805	0.000	0
25		14.983	15933	0.000	0
26		15.900	681	0.000	0
Totals :			29519764	8.042	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.030
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 20, 1995 08:13:53
Printed : Dec 20, 1995 08:31:26
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.483	24333	0.000	0
2	FR12	2.983	261955	0.523	0
3	VC	3.675	256189	0.525	0
4		3.883	581	0.000	0
5		4.342	1464	0.000	0
6	CLET	4.475	20654	0.531	0
7	DCE11+DCM	5.075	213105	1.095	0
8	FR11	5.192	103137	0.538	0
9	FR113	5.450	94846	0.541	0
10		5.892	847	0.000	0
11	DCE12T	6.042	196359	0.520	0
12	DCA11	6.217	176745	0.458	0
13	DCE12C	6.958	206783	0.542	0
14	CLFM	7.217	67436	0.557	0
15	DCA12	7.883	204892	0.546	0
16	TCA111	8.125	158596	0.555	0
17	BNZ	8.550	783850	0.550	0
18	CBTC	8.692	51445	0.543	0
19		9.333	527	0.000	0
20	TCE	9.558	149166	0.533	0
21	DCPE13C	10.425	66972	1.036	0
22	TCA112	11.150	149058	0.544	0
23	TOL	11.467	766234	0.540	0
24	PCE	12.750	119351	0.540	0
25	CFB13	13.067	122458	1.040	0
26	PCA1112	13.525	114958	0.546	0
27		13.700	1565	0.000	0
28	PCA1122+EB	14.033	766863	1.086	0
29	XYLMP	14.267	1518245	1.074	0
30	XYLO	14.875	873025	0.541	0
31		15.608	1583	0.000	0
32		16.433	1456	0.000	0
33		16.750	2368	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.030
Method : C:\LABQUEST\METHODS\L1265.MET
Sample ID : 1000UL CAL9516
Acquired : Dec 20, 1995 08:13:53
Printed : Dec 20, 1995 08:31:28
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			7477058	15.504	

HYDRO GEO CHEM, INC.

INITAL CALIBRATION DATA

Project: Fugro/Burbank
Project #: L1265

Date Calibrated: December 20, 1996.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL	1	2	3
Labquest File number:	L1265.031	L1265.032	L1265.027
Time Injected:	08:37	09:00	06:57
Volume injected(ul):	50	50	200
Standard Used:	CAL9516-2	CAL9516	CAL9516

Compound Name	DETECTOR	RT (min)	STD CONC (ug)	AREA	Rf	RT (min)	STD CON (ug)	AREA	Rf	RT (min)	STD CON (ug)	AREA	Rf
Dichlorodifluoromethane	ELCD	1.62	0.0058	38395	1.5E-07	1.63	0.0253	191021	1.3E-07	1.59	0.1012	552354	1.8E-07
Vinyl Chloride	ELCD	2.13	0.0056	46781	1.2E-07	2.13	0.0254	201630	1.3E-07	2.08	0.1016	609462	1.7E-07
Chloroethane	ELCD	2.84	0.006	41422	1.4E-07	2.83	0.0255	185010	1.4E-07	2.77	0.102	564353	1.8E-07
Trichlorofluoromethane	ELCD	3.23	0.00514	58727	8.8E-08	3.22	0.0257	389275	6.6E-08	3.15	0.1028	1176248	8.7E-08
Dichloromethane	ELCD	4.63	0.00509	50454	1E-07	4.61	0.0255	335724	6.6E-08	4.53	0.1018	1079778	9.4E-08
1,1-Dichloroethene + F113	ELCD	3.95	0.0102	84917	1.2E-07	3.94	0.0509	618581	8.2E-08	3.88	0.2036	1867073	1.1E-07
trans-1,2-Dichloroethene	ELCD	4.97	0.00493	49212	1E-07	4.95	0.0247	355588	6.9E-08	4.87	0.0986	988657	1E-07
1,1-Dichloroethane	ELCD	5.52	0.00436	39733	1.1E-07	5.49	0.0218	291890	7.5E-08	5.42	0.0872	903002	9.7E-08
cis-1,2-Dichloroethene	ELCD	6.27	0.0051	42944	1.2E-07	6.23	0.0255	326818	7.8E-08	6.16	0.102	999747	1E-07
Chloroform	ELCD	9.71	0.00523	58524	8.9E-08	6.67	0.0262	325028	8.1E-08	6.59	0.105	1094091	9.6E-08
1,1,1-Trichloroethane	ELCD	6.88	0.00524	53697	9.8E-08	6.85	0.0262	408063	6.4E-08	6.77	0.1048	1242811	8.4E-08
Carbon Tetrachloride	ELCD	7.09	0.0051	67851	7.5E-08	7.05	0.0255	464142	5.5E-08	6.97	0.102	1471775	6.9E-08
1,2-Dichloroethane	ELCD	7.43	0.00511	52704	9.7E-08	7.4	0.0256	409746	6.2E-08	7.332	0.1022	1217348	8.4E-08
Trichloroethene	ELCD	8.27	0.00501	66387	7.5E-08	8.23	0.0251	349657	7.2E-08	8.16	0.1002	1179793	8.5E-08
1,1,2-Trichloroethane	ELCD	10.82	0.00505	53697	9.4E-08	10.78	0.0253	408063	6.2E-08	10.7	0.101	1242811	8.1E-08
1,1,2-Trichloroethane	FID	1.11	0.00505	1447	3.5E-06	10.78	0.0253	7966	3.2E-06	10.7	0.101	30882	3.3E-06
Tetrachloroethene	ELCD	10.97	0.00503	94077	5.3E-08	10.93	0.0252	489033	5.2E-08	10.86	0.1006	1494046	6.7E-08
1112 tetrachloroethane	ELCD	12.55	0.00504	70900	7.1E-08	12.5	0.0252	329680	7.6E-08	12.43	0.1008	1133019	8.9E-08
1122 tetrachloroethane	ELCD	14.77	0.00512	53930	9.5E-08	14.71	0.0256	328632	7.8E-08	14.64	0.1024	1186735	8.6E-08
1,1-Dichloroethene	**PID**	**3.91**	**0.00504**	**9020**	**5.6E-07**	**3.89**	**0.0252**	**65497**	**3.8E-07**	**3.83**	**0.1008**	**289339**	**3.5E-07**
Benzene	PID	7.33	0.00519	25038	2.1E-07	7.31	0.026	180629	1.4E-07	7.23	0.1038	751012	1.4E-07
Benzene	FID	8.56	0.00519	7259	7.1E-07	8.53	0.026	41172	6.3E-07	8.43	0.1038	161202	6.4E-07
Toluene	FID	11.48	0.00508	6934	7.3E-07	11.43	0.0254	41395	6.1E-07	11.34	0.102	160581	6.4E-07
Ethyl Benzene	PID	12.56	0.00515	22242	2.3E-07	12.51	0.0258	157223	1.6E-07	12.44	0.103	634366	1.6E-07
Ethyl Benzene + 1122PCA	FID	14.05	0.00515	7172	7.2E-07	13.99	0.0258	42082	6.1E-07	13.92	0.103	162285	6.3E-07
m/p-Xylene	PID	12.77	0.01028	58508	1.8E-07	12.72	0.0514	395745	1.3E-07	12.65	0.2056	1546353	1.3E-07
m/p-Xylene	FID	14.28	0.01028	14450	7.1E-07	14.23	0.0514	86573	5.9E-07	14.14	0.2056	325641	6.3E-07
o-Xylene	FID	14.89	0.00514	21025	2.4E-07	14.83	0.0258	156758	1.6E-07	14.75	0.103	644150	1.6E-07
1,1,2-Trichlorotrifluoroethane	FID	5.44	0.00513	731	7E-06	5.43	0.0257	4604	5.6E-06	5.34	0.1026	18579	5.5E-06

Shaded data were not used to calculate average Rf or %RSD values.

BGPAA 0270

Pr " inar " ita

HYDRO GEO CHEM, INC.

INITAL CALIBRATION DATA

Project: Fugro/Burbank
Project #: L1265

Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

CALIBRATION LEVEL	4
Labquest File number:	L1265.030
Time Injected:	08:13
Volume injected(ul):	1000
Standard Used:	CAL9516

Compound Name	DETECTOR	RT (min)	STD CON (ug)	AREA	Rf	AVE Rf	SD	RSD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.66	0.506	3617629	1.4E-07	1.4E-07	7.7E-09	5	+/- 30	
Vinyl Chloride	ELCD	2.18	0.508	3525512	1.4E-07	1.3E-07	1E-08	8	+/- 30	
Chloroethane	ELCD	2.86	0.51	3241175	1.6E-07	1.5E-07	1.6E-08	11	+/- 30	
Trichlorofluoromethane	ELCD	3.24	0.514	5607854	9.2E-08	8.3E-08	1E-08	12	+/- 30	
Dichloromethane	ELCD	4.63	0.509	4708750	1.1E-07	1E-07	5.6E-09	6	+/- 20	
1,1-Dichloroethene + F113	ELCD	3.97	1.018	7257691	1.4E-07	1.1E-07	1.3E-08	11	+/- 20	
trans-1,2-Dichloroethene	ELCD	4.98	0.493	4664625	1.1E-07	9.4E-08	1.4E-08	15	+/- 20	
1,1-Dichloroethane	ELCD	5.51	0.436	4498465	9.7E-08	9.4E-08	1.3E-08	13	+/- 20	
cis-1,2-Dichloroethene	ELCD	6.26	0.51	4566903	1.1E-07	1E-07	1.5E-08	15	+/- 20	
Chloroform	ELCD	6.69	0.523	6088185	8.6E-08	8.8E-08	5.6E-09	6	+/- 20	
1,1,1-Trichloroethane	ELCD	6.87	0.524	5423824	9.7E-08	8.6E-08	1.3E-08	16	+/- 20	
Carbon Tetrachloride	ELCD	7.08	0.51	6173829	8.3E-08	7.1E-08	1E-08	14	+/- 20	
1,2-Dichloroethane	ELCD	7.43	0.511	5151292	9.9E-08	8.6E-08	1.5E-08	17	+/- 20	
Trichloroethene	ELCD	8.26	0.501	5260892	9.5E-08	8.2E-08	9.1E-09	11	+/- 20	
1,1,2-Trichloroethane	ELCD	10.8	0.505	5423824	9.3E-08	8.3E-08	1.5E-08	18	+/- 20	
1,1,2-Trichloroethane	FID	10.8	0.505	149059	3.4E-06	3.4E-06	1.3E-07	4	+/- 20	
Tetrachloroethene	ELCD	10.96	0.503	6020692	8.4E-08	5.7E-08	8.7E-09	15	+/- 20	
1112 tetrachloroethane	ELCD	12.53	0.504	5399093	9.3E-08	8.2E-08	9E-09	11	+/- 20	
1122 tetrachloroethane	ELCD	14.74	0.512	5065253	1E-07	9E-08	8.8E-09	10	+/- 20	
1,1-Dichloroethene	**PID**	**3.92**	**0.504**	**1452839**	**3.5E-07**	**4.1E-07**	**8.7E-08**	**21**	**+/- 20**	**See ELCD data**
Benzene	PID	7.33	0.519	3438298	1.5E-07	1.6E-07	2.8E-08	17	+/- 20	
Benzene	FID	8.55	0.519	783851	6.6E-07	6.6E-07	3.2E-08	5	+/- 20	
Toluene	FID	11.47	0.508	766235	6.6E-07	6.6E-07	4.5E-08	7	+/- 20	
Ethyl Benzene	PID	12.54	0.515	2879405	1.8E-07	1.8E-07	2.8E-08	15	+/- 20	
Ethyl Benzene + 1122PCA	FID	14.03	0.515	766863	6.7E-07	1.3E-06	4E-08	3	+/- 20	
m/p-Xylene	PID	12.77	1.028	5903419	1.7E-07	1.5E-07	2.2E-08	14	+/- 20	
m/p-Xylene	FID	14.27	1.028	1518246	6.8E-07	6.5E-07	4.5E-08	7	+/- 20	
o-Xylene	FID	14.87	0.515	2934470	1.8E-07	1.9E-07	3.4E-08	18	+/- 20	
1,1,2-Trichlorotrifluoroethane	FID	5.45	0.513	94846	5.4E-06	5.9E-06	6.6E-07	11	+/- 30	

Shaded data were not used to calculate average Rf or %RSD values.

BGPAA 0271

Preliminary Data

Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:51
Channel : A
Peak : FR12

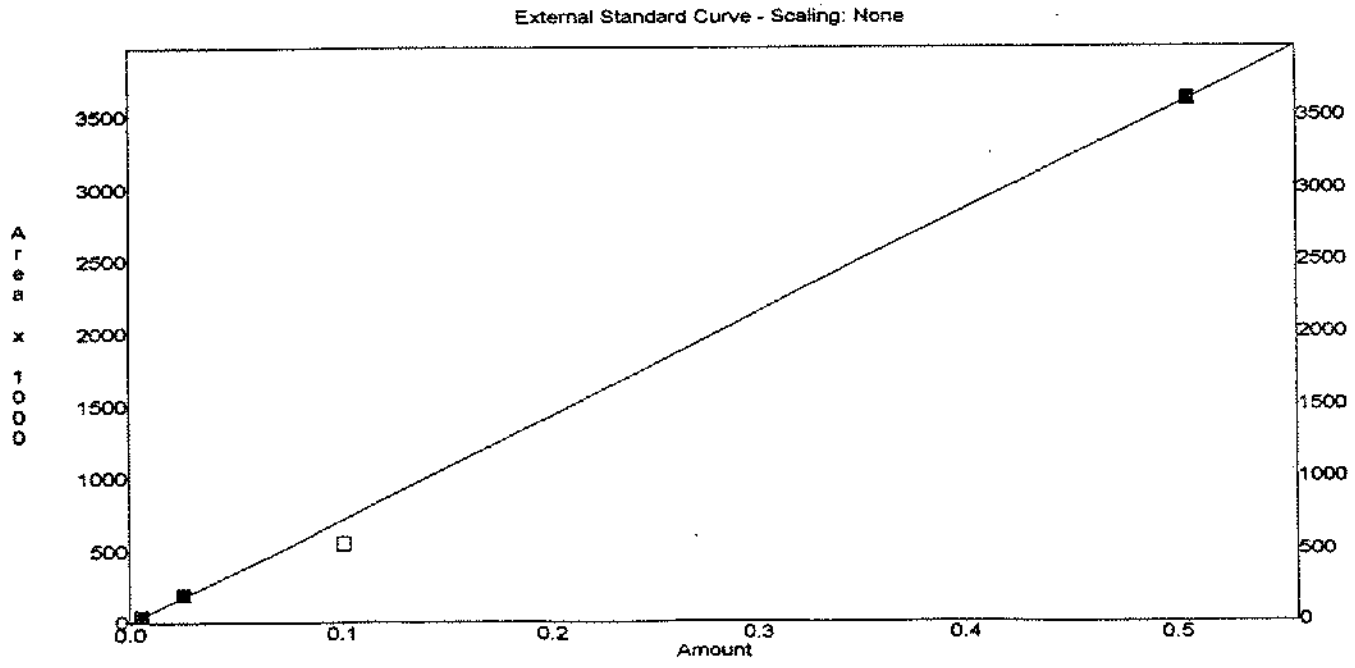
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	38395	0.0058	1.511e-007	38395					0	(
2	191021	0.0253	1.324e-007	191021					0	(
3	552334	0.1012	1.832e-007	552334*						
4	3617629	0.506	1.399e-007	3617629					0	0

Average RF: 1.41127e-007
RF StdDev: 9.37141e-009
RF %RSD: 6.64043

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.399e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:53
Channel : A
Peak : VC

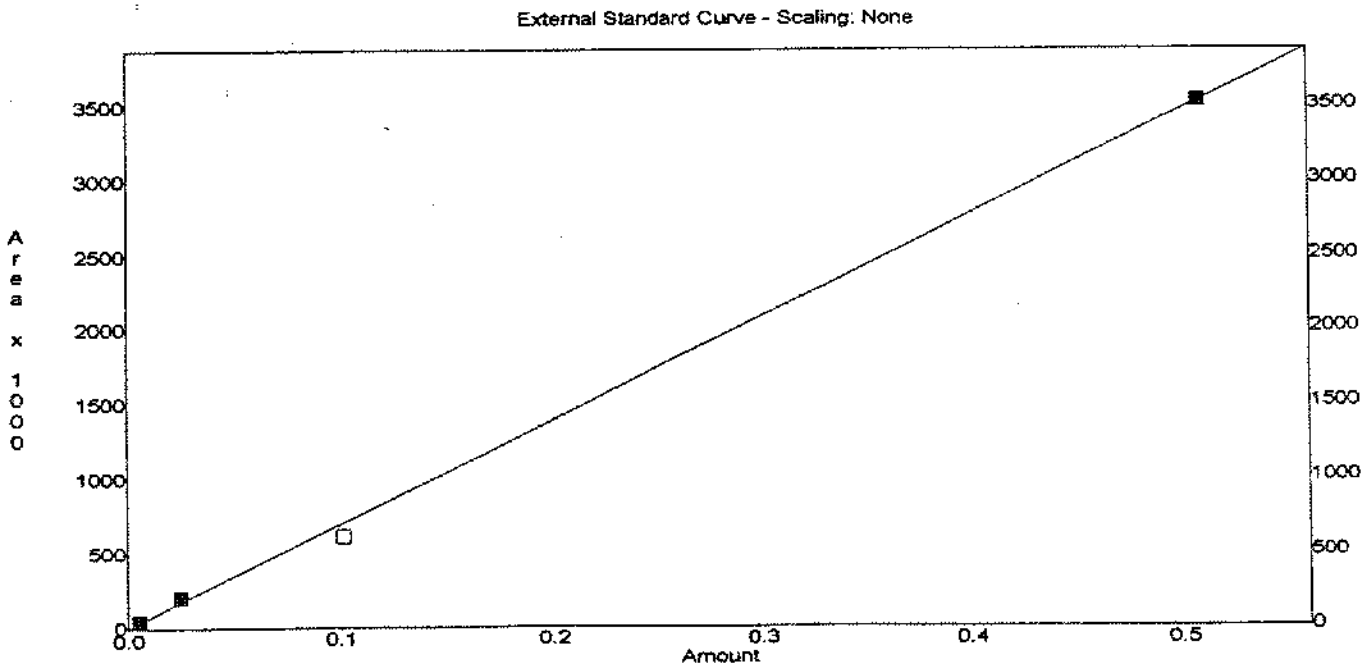
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	46781	0.0056	1.197e-007	46781					0	0
2	201630	0.0254	1.26e-007	201630					0	0
3	609482	0.1016	1.667e-007	609482*						
4	3525512	0.508	1.441e-007	3525512					0	0

Average RF: 1.29924e-007
RF StdDev: 1.26639e-008
RF %RSD: 9.74712

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.440e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:54
Channel : A
Peak : CLET

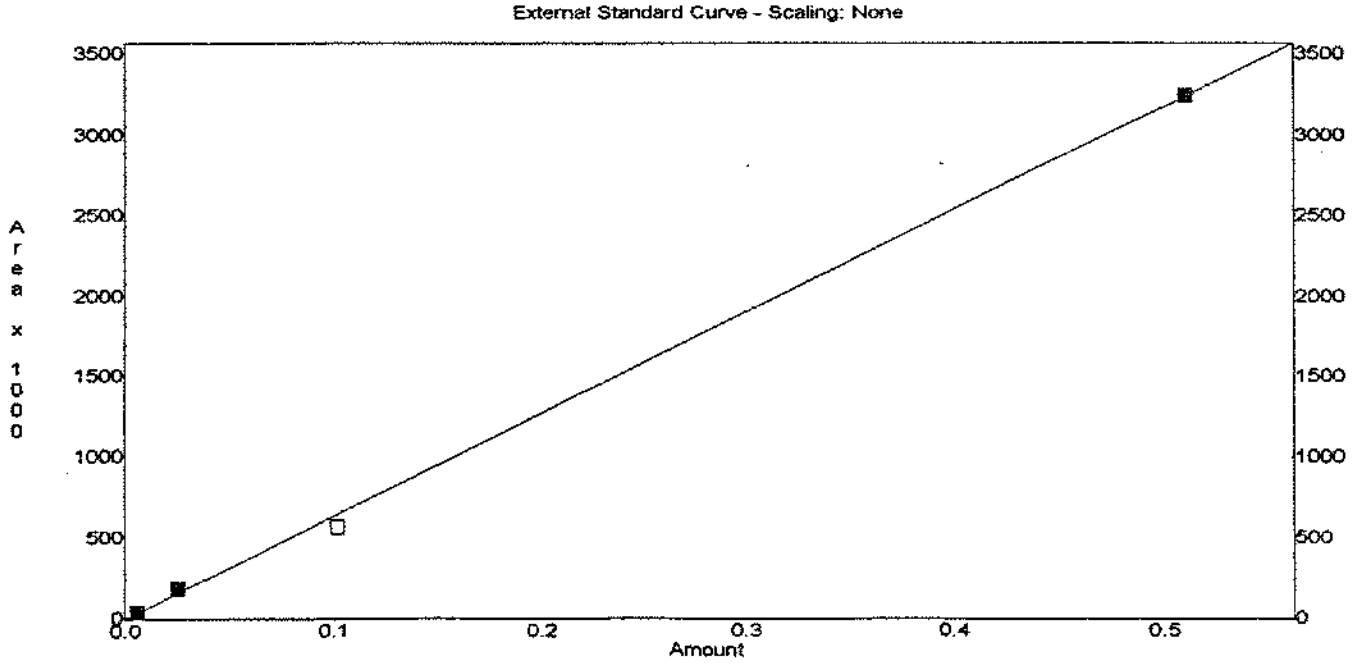
* - Replicate Not Used.

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	41422	0.006	1.449e-007	41422					0	
2	185010	0.0255	1.378e-007	185010					0	
3	564369	0.102	1.807e-007	564369*						
4	3241175	0.51	1.574e-007	3241175					0	0

Average RF: 1.46678e-007
RF StdDev: 9.88716e-009
RF %RSD: 6.74074

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.573e-007 x Area + 0.000e+000
R^2 = 0.9999



BGPAA 0274

Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:55
Channel : A
Peak : FR11

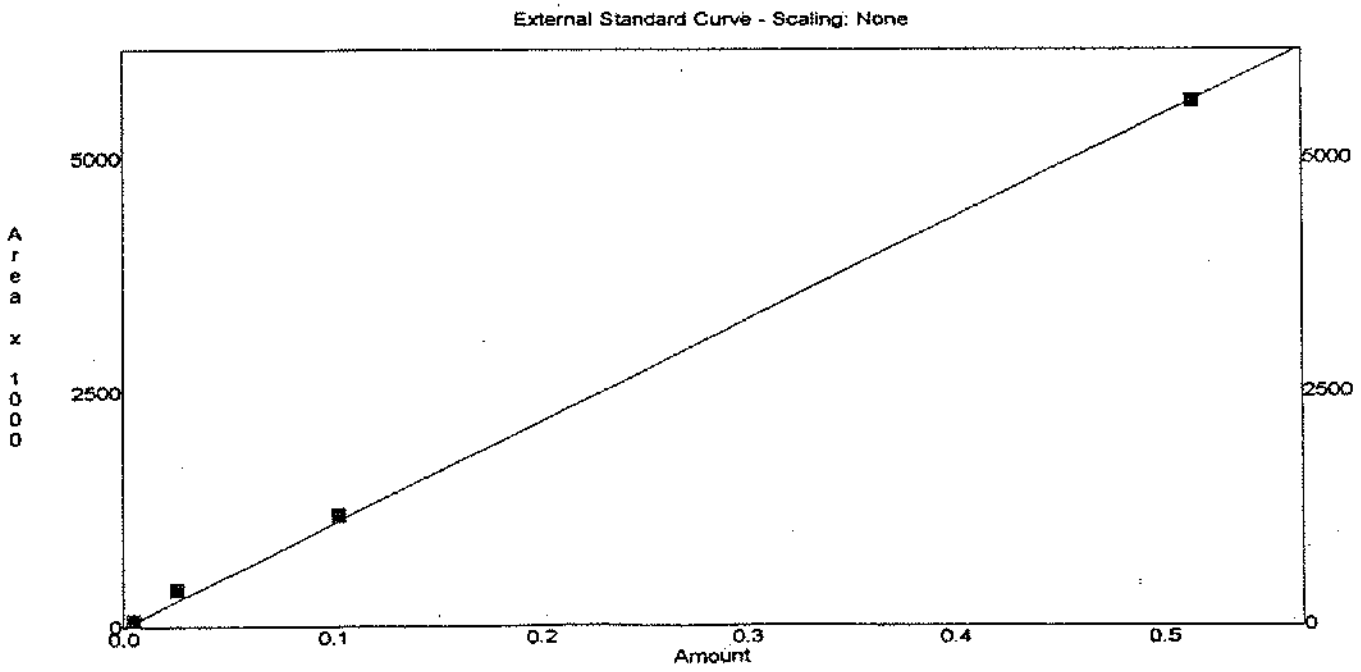
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	58727	0.00514	8.752e-008	58727					0	0
2	389275	0.0257	6.602e-008	389275					0	0
3	1176248	0.1028	8.74e-008	1176248					0	0
4	5607854	0.514	9.166e-008	5607854					0	0

Average RF: 8.31494e-008
RF StdDev: 1.15898e-008
RF %RSD: 13.9385

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.136e-008 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:57
Channel : A
Peak : DCE11+FR113

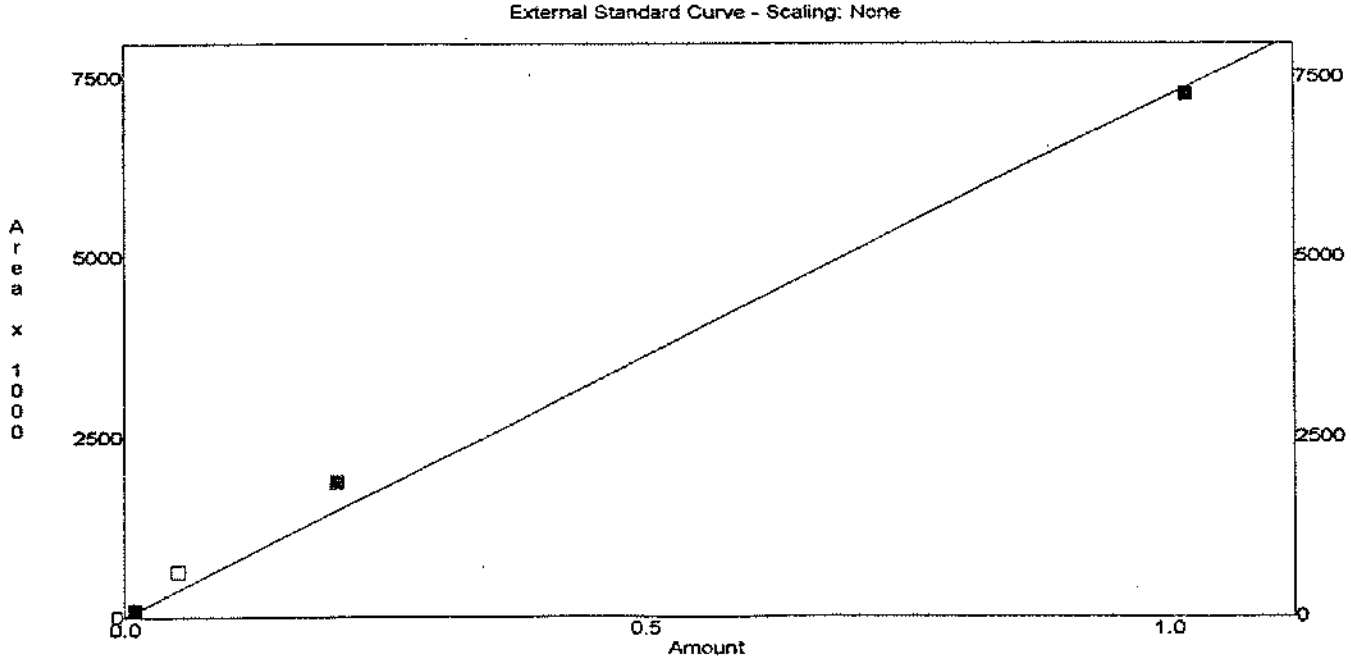
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	84917	0.01017	1.198e-007	84917					0	0
2	618561	0.0509	8.229e-008	618561*						
3	1867073	0.2034	1.089e-007	1867073					0	0
4	7257691	1.017	1.401e-007	7257691					0	0

Average RF: 1.22944e-007
RF StdDev: 1.58346e-008
RF %RSD: 12.8795

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.382e-007 x Area + 0.000e+000
R^2 = 0.9944



Method : C:\LABQUEST\METHODS\L1265_2.MET

Printed : Dec 20, 1995 09:39:58

Channel : A

Peak : DCM

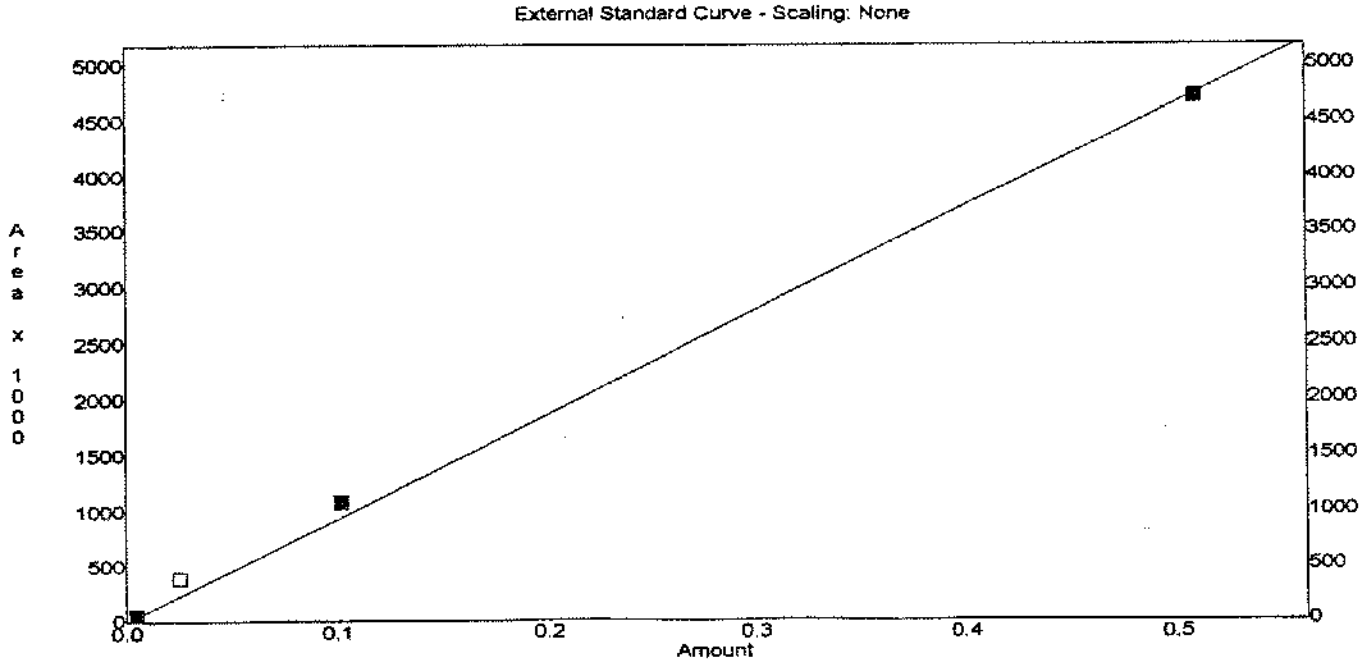
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	50454	0.00509	1.009e-007	50454					0	0
2	385724	0.0255	6.611e-008	385724*						
3	1079778	0.1018	9.428e-008	1079778					0	0
4	4708750	0.509	1.081e-007	4708750					0	0

Average RF: 1.01087e-007
RF StdDev: 6.91122e-009
RF %RSD: 6.83693

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.074e-007 x Area + 0.000e+000
R^2 = 0.9985



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:39:59
Channel : A
Peak : DCE12T

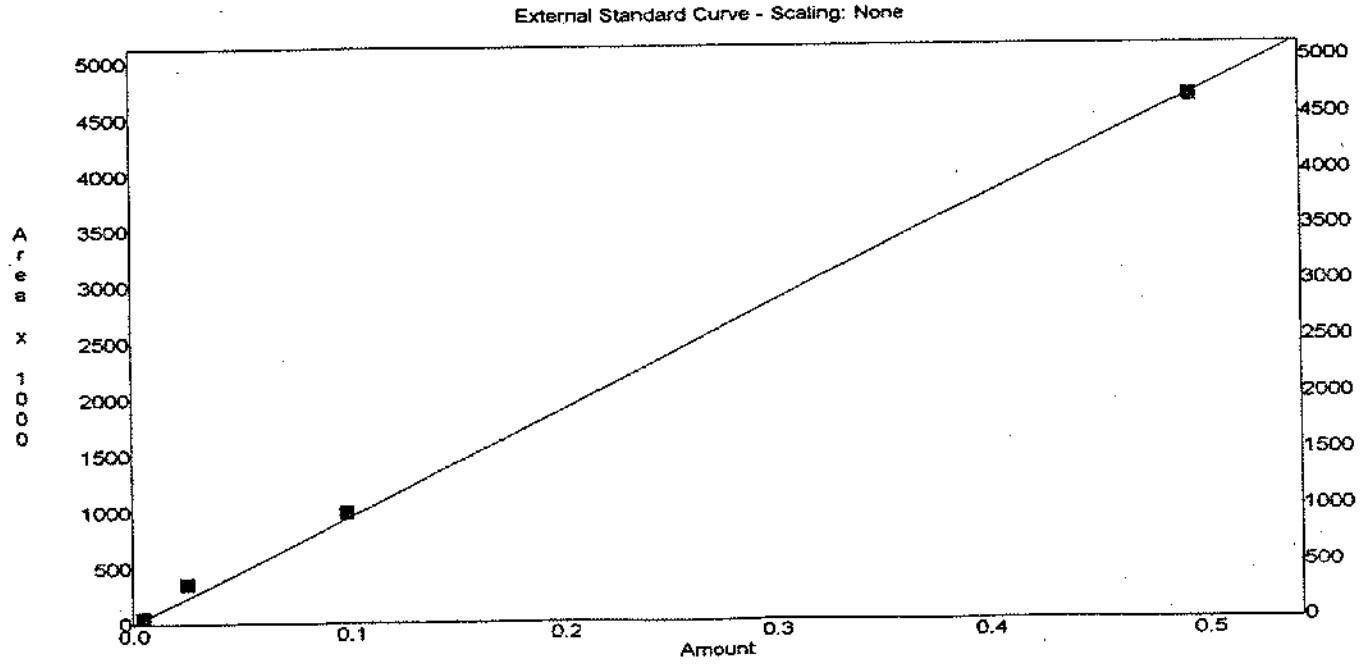
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	49212	0.00493	1.002e-007	49212					0	0
2	355588	0.02465	6.932e-008	355588					0	0
3	988657	0.0986	9.973e-008	988657					0	0
4	4664625	0.493	1.057e-007	4664625					0	0

Average RF: 9.373e-008
RF StdDev: 1.64962e-008
RF %RSD: 17.5997

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.052e-007 x Area + 0.000e+000
R^2 = 0.9987



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:01
Channel : A
Peak : DCA11

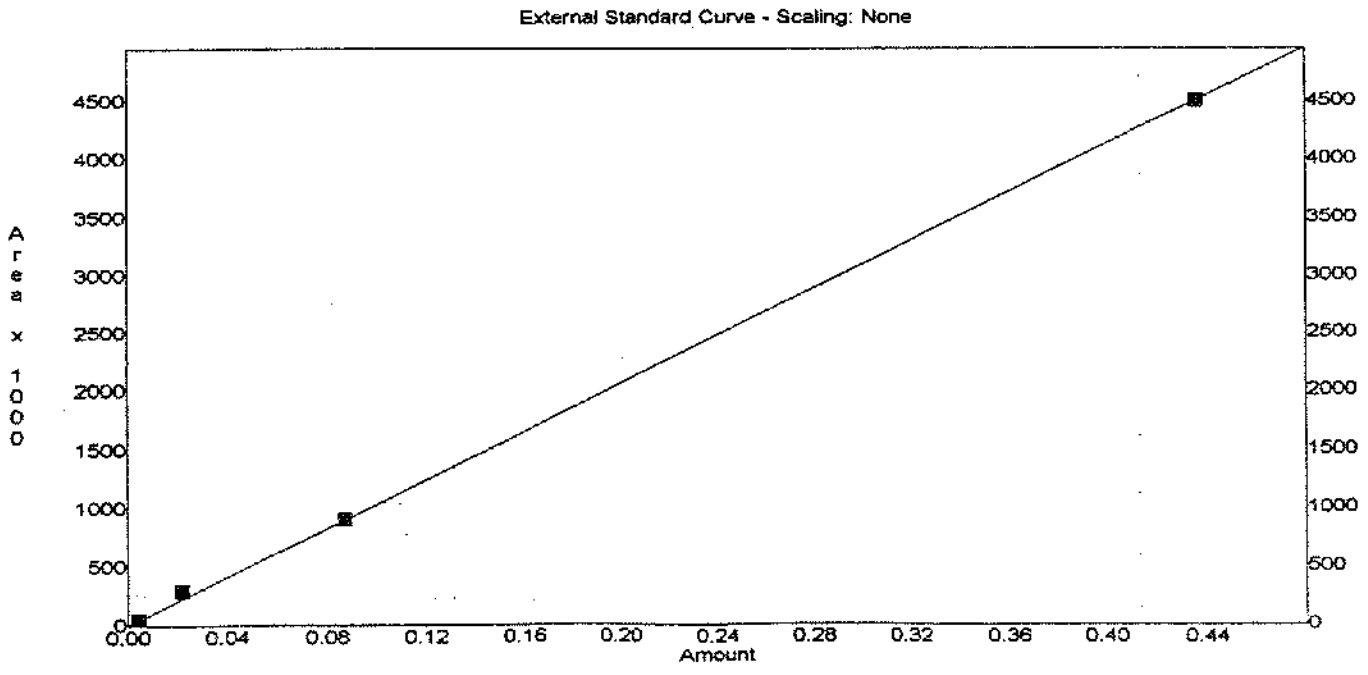
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	39733	0.00436	1.097e-007	39733					0	0
2	291890	0.0218	7.469e-008	291890					0	0
3	903002	0.0872	9.657e-008	903002					0	0
4	4498465	0.436	9.692e-008	4498465					0	0

Average RF: 9.44768e-008
RF StdDev: 1.45464e-008
RF %RSD: 15.3968

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.682e-008 x Area + 0.000e+000
R^2 = 0.9997



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:02
Channel : A
Peak : DCE12C

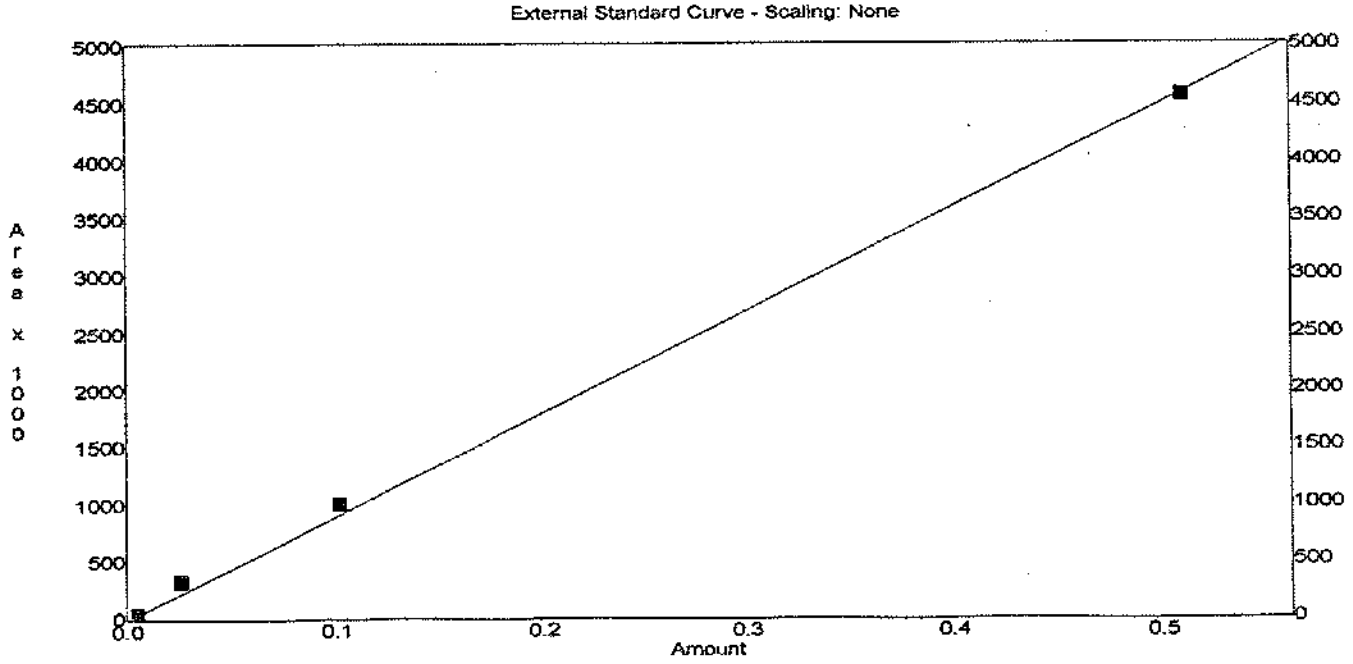
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	42944	0.0051	1.188e-007	42944					0	0
2	326818	0.0255	7.803e-008	326818					0	0
3	999747	0.102	1.02e-007	999747					0	0
4	4566903	0.51	1.117e-007	4566903					0	0

Average RF: 1.02621e-007
RF StdDev: 1.77734e-008
RF %RSD: 17.3195

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.111e-007 x Area + 0.000e+000
R^2 = 0.9988



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:03
Channel : A
Peak : CLFM

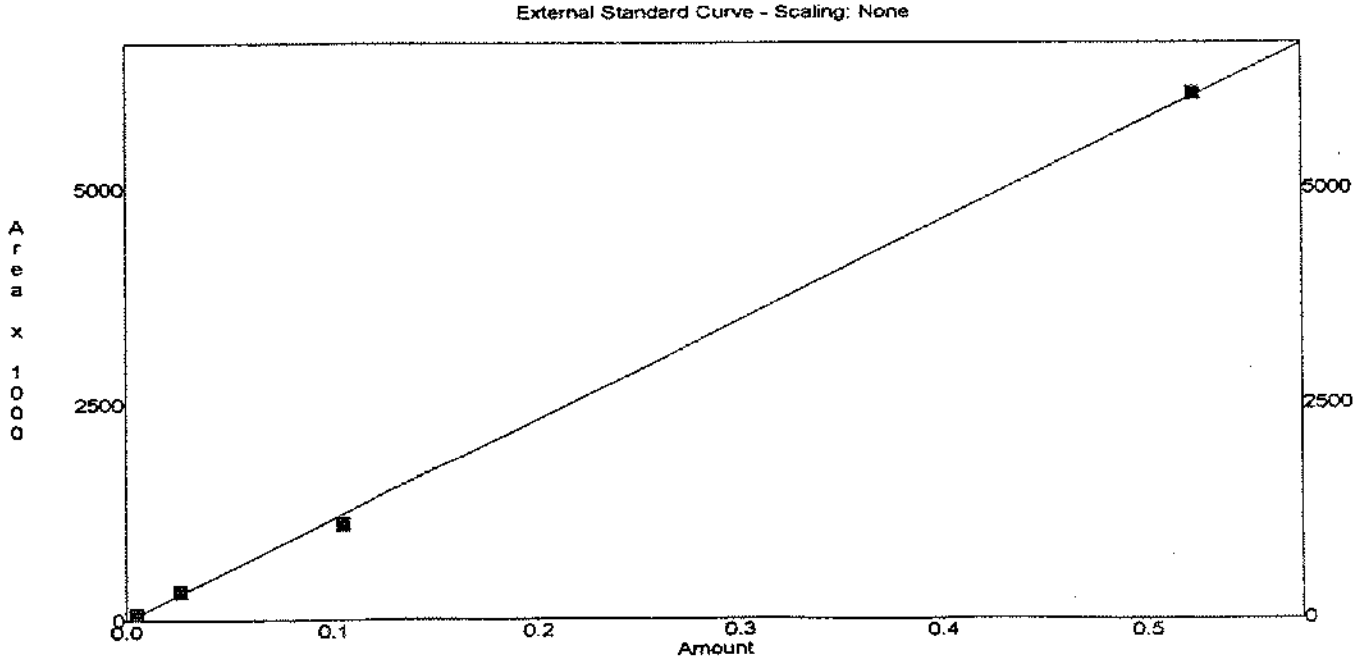
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	58524	0.00523	8.937e-008	58524					0	0
2	325028	0.0265	8.153e-008	325028					0	0
3	1094091	0.105	9.597e-008	1094091					0	0
4	6088185	0.523	8.59e-008	6088185					0	0

Average RF: 8.81927e-008
RF StdDev: 6.0957e-009
RF %RSD: 6.9118

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.621e-008 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:05
Channel : A
Peak : TCA111

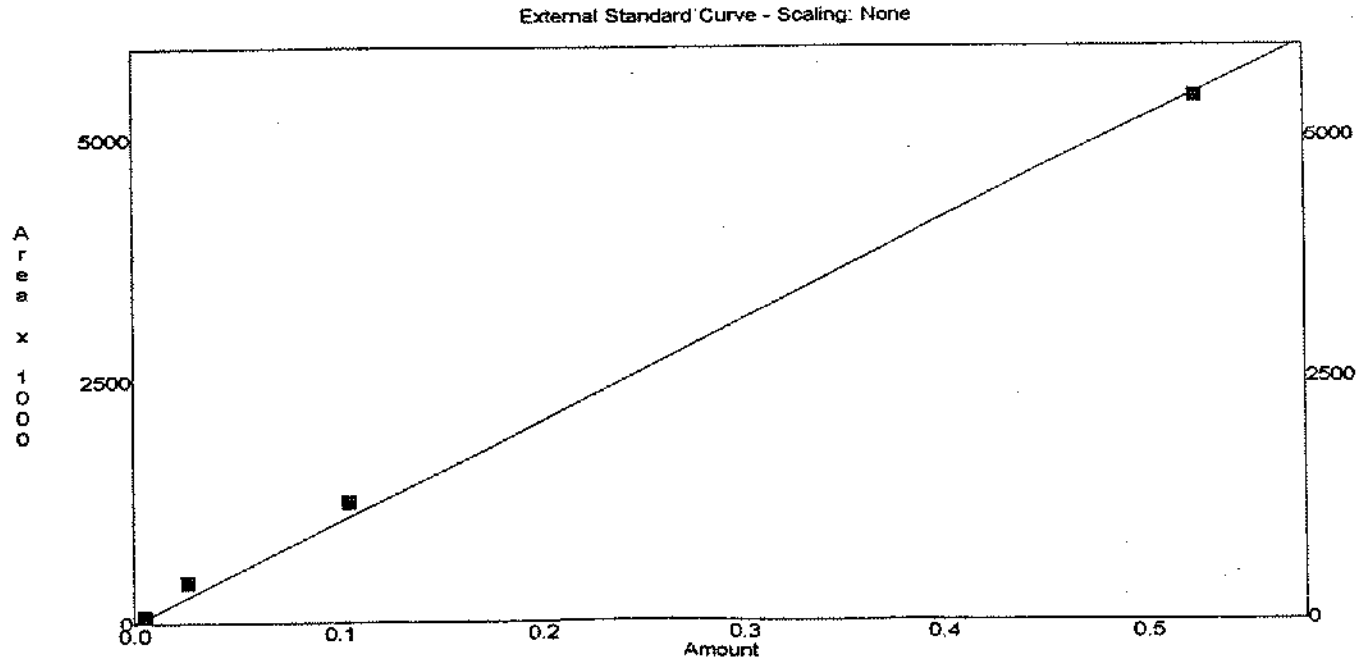
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	53697	0.00524	9.758e-008	53697					0	
2	408063	0.0262	6.421e-008	408063					0	
3	1242811	0.1048	8.432e-008	1242811					0	0
4	5423824	0.524	9.661e-008	5423824					0	0

Average RF: 8.56814e-008
RF StdDev: 1.55367e-008
RF %RSD: 18.1332

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.583e-008 x Area + 0.000e+000
R^2 = 0.9978



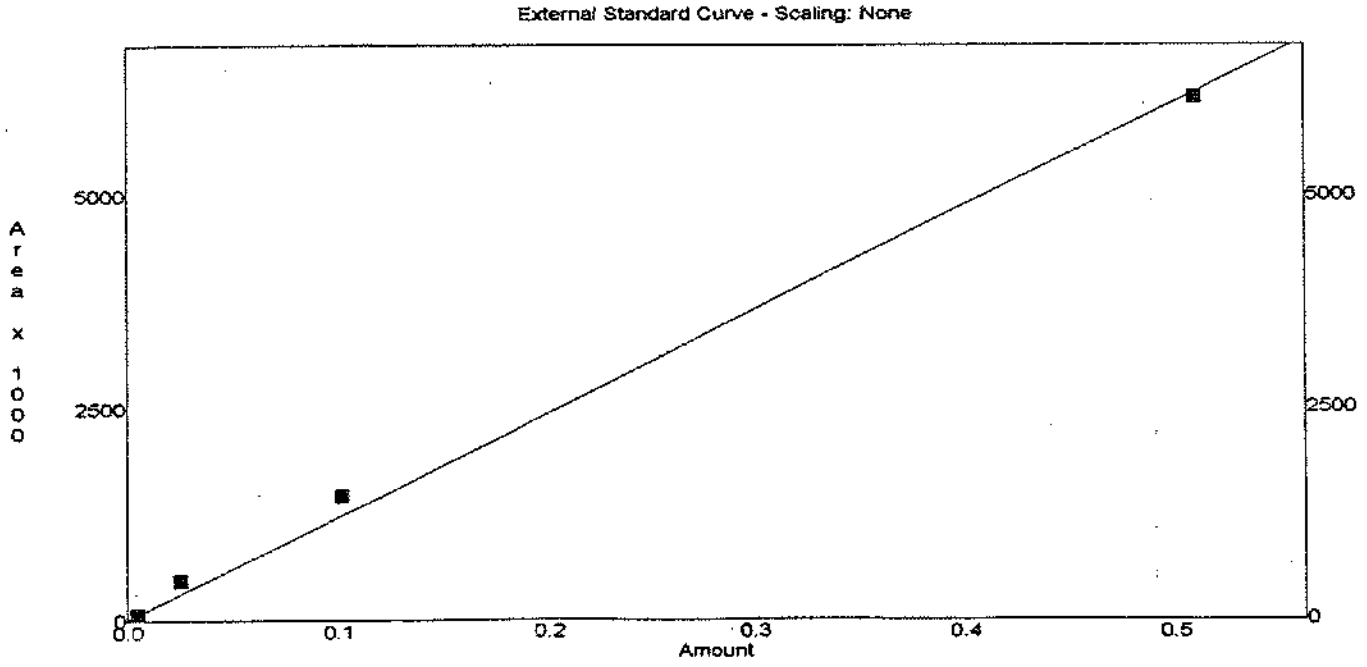
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:40:06
Channel : A
Peak : CBTC

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	67851	0.0051	7.516e-008	67851					0	0
2	464142	0.0255	5.494e-008	464142					0	0
3	1471775	0.102	6.93e-008	1471775					0	0
4	6173829	0.51	8.261e-008	6173829					0	0

Average RF: 7.05039e-008
RF StdDev: 1.17172e-008
RF %RSD: 16.6192

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.175e-008 x Area + 0.000e+000
R^2 = 0.9969



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:07
Channel : A
Peak : DCA12

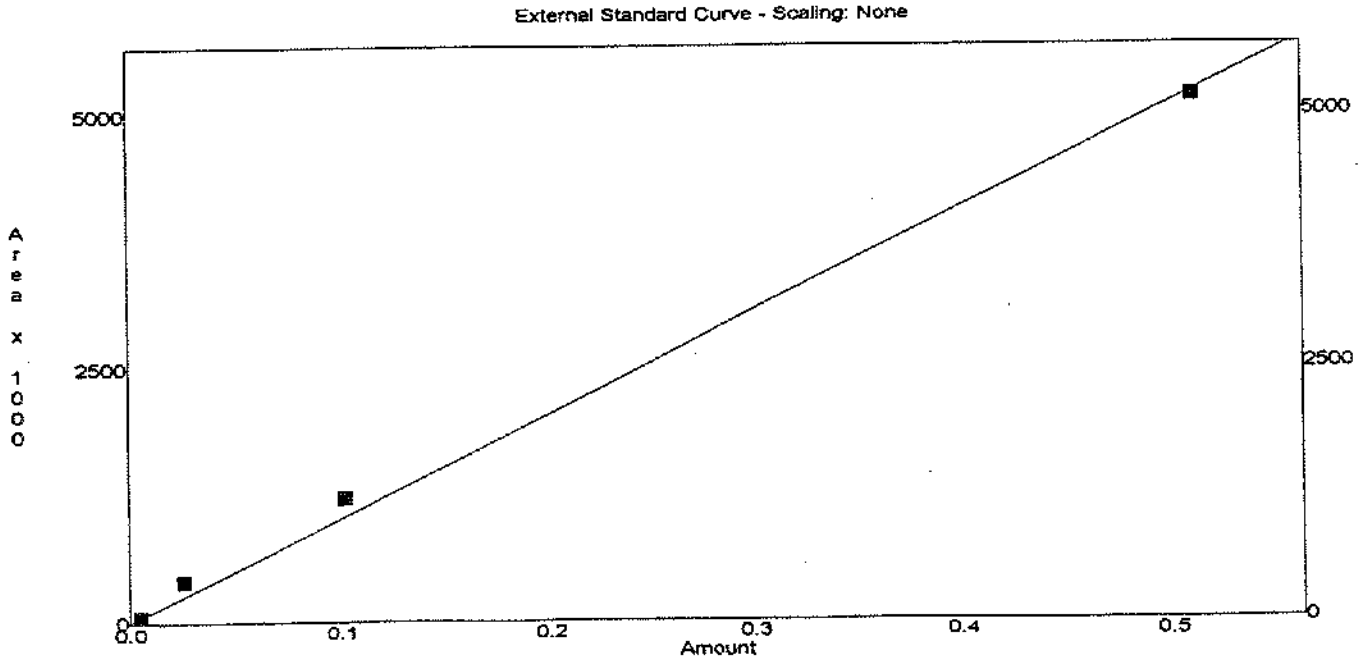
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	52704	0.00511	9.696e-008	52704					0	
2	409746	0.0256	6.248e-008	409746					0	
3	1217348	0.1022	8.395e-008	1217348					0	0
4	5151292	0.511	9.92e-008	5151292					0	0

Average RF: 8.56463e-008
RF StdDev: 1.68445e-008
RF %RSD: 19.6675

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.818e-008 x Area + 0.000e+000
R^2 = 0.9968



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:08
Channel : A
Peak : TCE

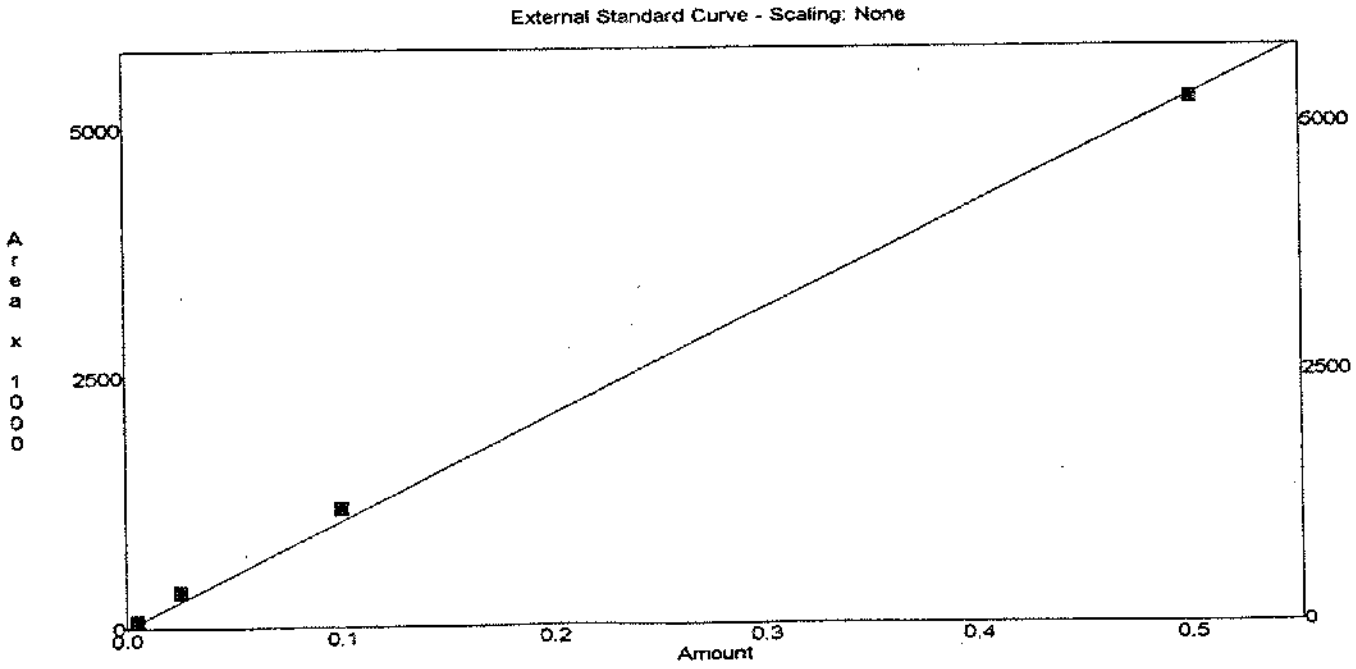
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	66387	0.00501	7.547e-008	66387					0	0
2	349657	0.0251	7.178e-008	349657					0	0
3	1179793	0.1002	8.493e-008	1179793					0	0
4	5260892	0.501	9.523e-008	5260892					0	0

Average RF: 8.18532e-008
RF StdDev: 1.04975e-008
RF %RSD: 12.8248

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.464e-008 x Area + 0.000e+000
R^2 = 0.9987



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:10
Channel : A
Peak : DCPE13C

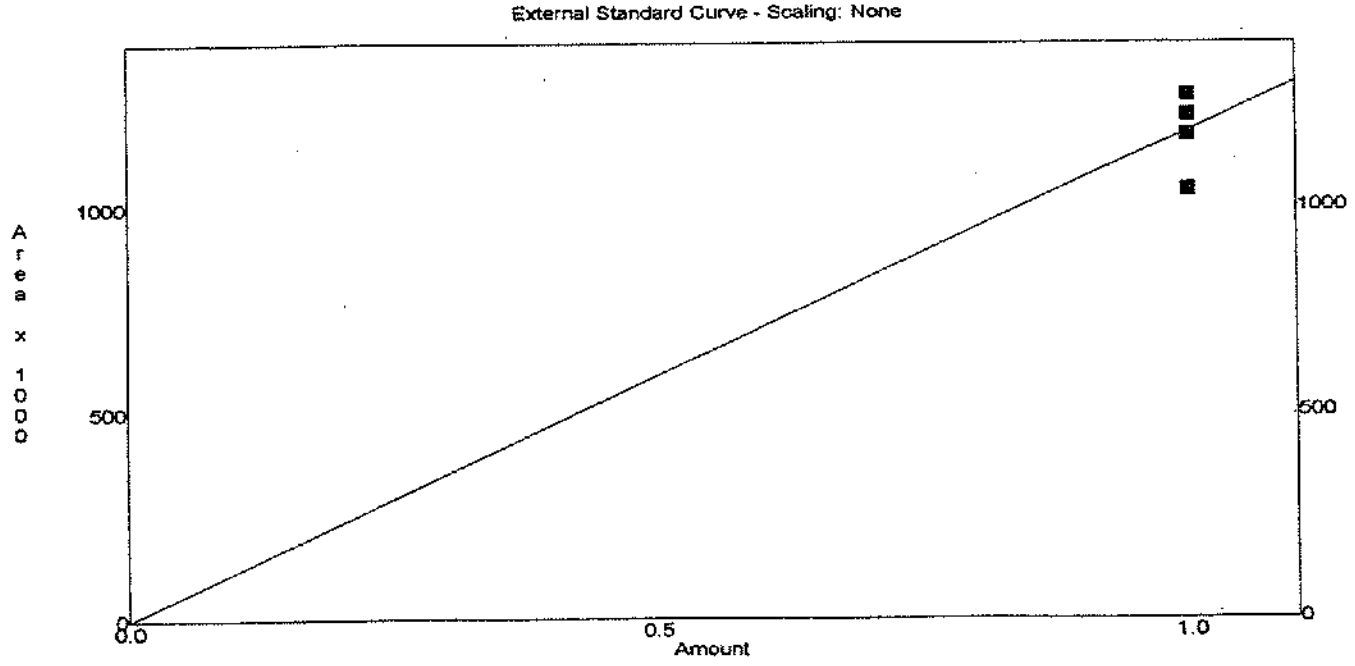
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1173949	1	8.518e-007	1173949					0	0
2	1222004	1	8.183e-007	1222004					0	0
3	1041329	1	9.603e-007	1041329					0	0
4	1270678	1	7.87e-007	1270678					0	0

Average RF: 8.54362e-007
RF StdDev: 7.54329e-008
RF %RSD: 8.82916

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.452e-007 x Area + 0.000e+000
R^2 = 0.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:11
Channel : A
Peak : TCA112

* - Replicate Not Used

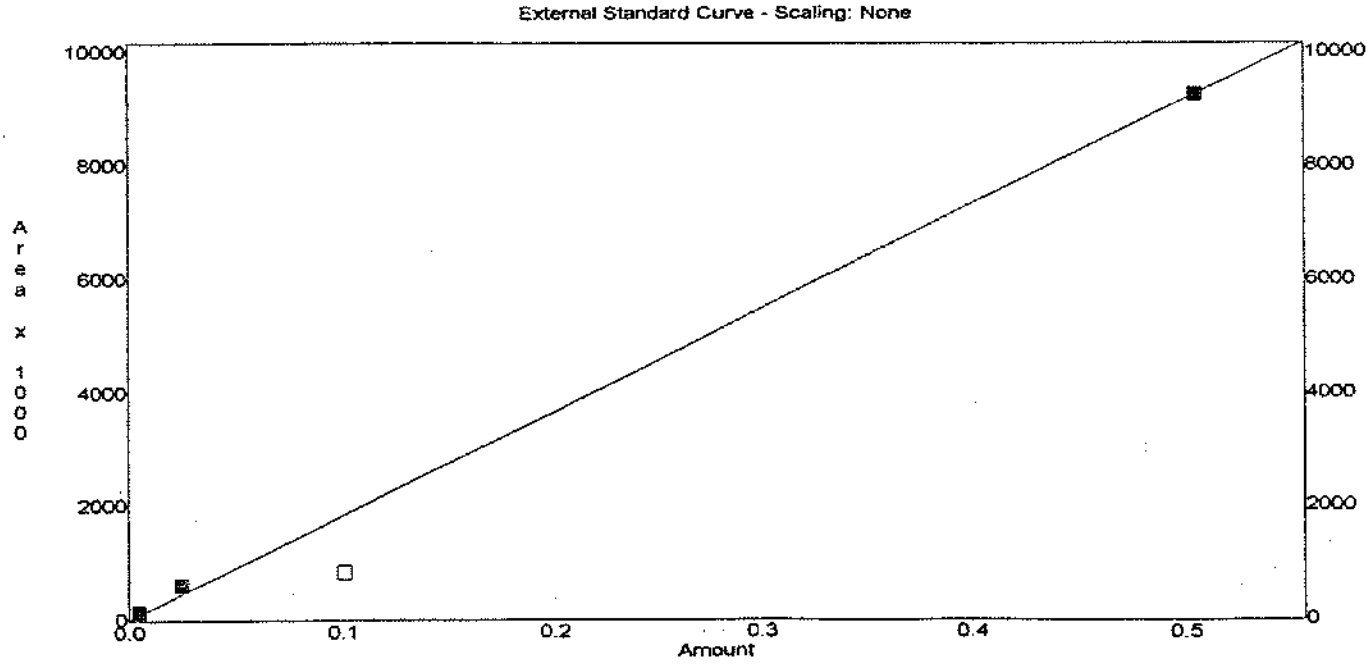
Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	124890	0.00505	4.044e-008	124890					0	0
2	612815	0.0253	4.128e-008	612815					0	0
3	838271	0.101	1.205e-007	838271*						
4	9241284	0.505	5.465e-008	9241284					0	0

Average RF: 4.54555e-008
RF StdDev: 7.97057e-009
RF %RSD: 17.5349

Use FID to report values for QC samples consistently 1/2 PS

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 5.459e-008 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:13
Channel : A
Peak : PCE

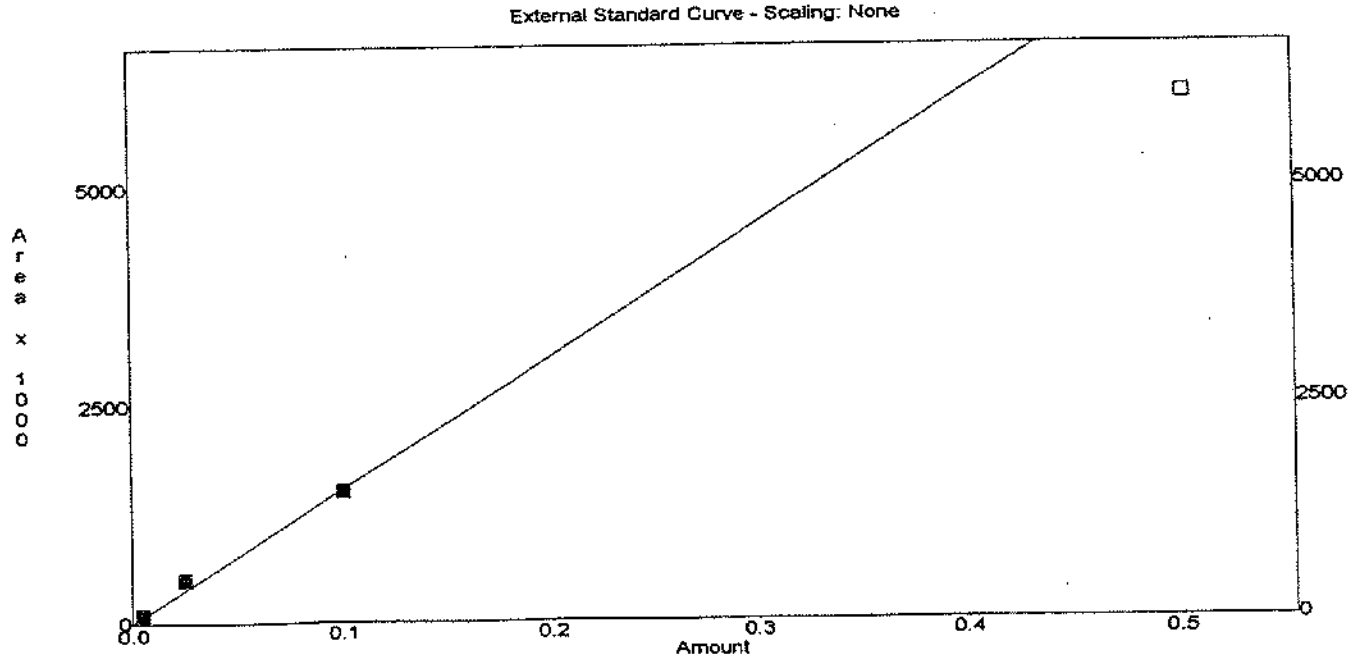
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	94077	0.00503	5.347e-008	94077					0	0
2	489033	0.02515	5.143e-008	489033					0	0
3	1494046	0.1006	6.733e-008	1494046					0	0
4	6020692	0.503	8.355e-008	6020692*						

Average RF: 5.74096e-008
RF StdDev: 8.65499e-009
RF %RSD: 15.0759

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 6.575e-008 x Area + 0.000e+000
R^2 = 0.9890



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:14
Channel : A
Peak : CFB13

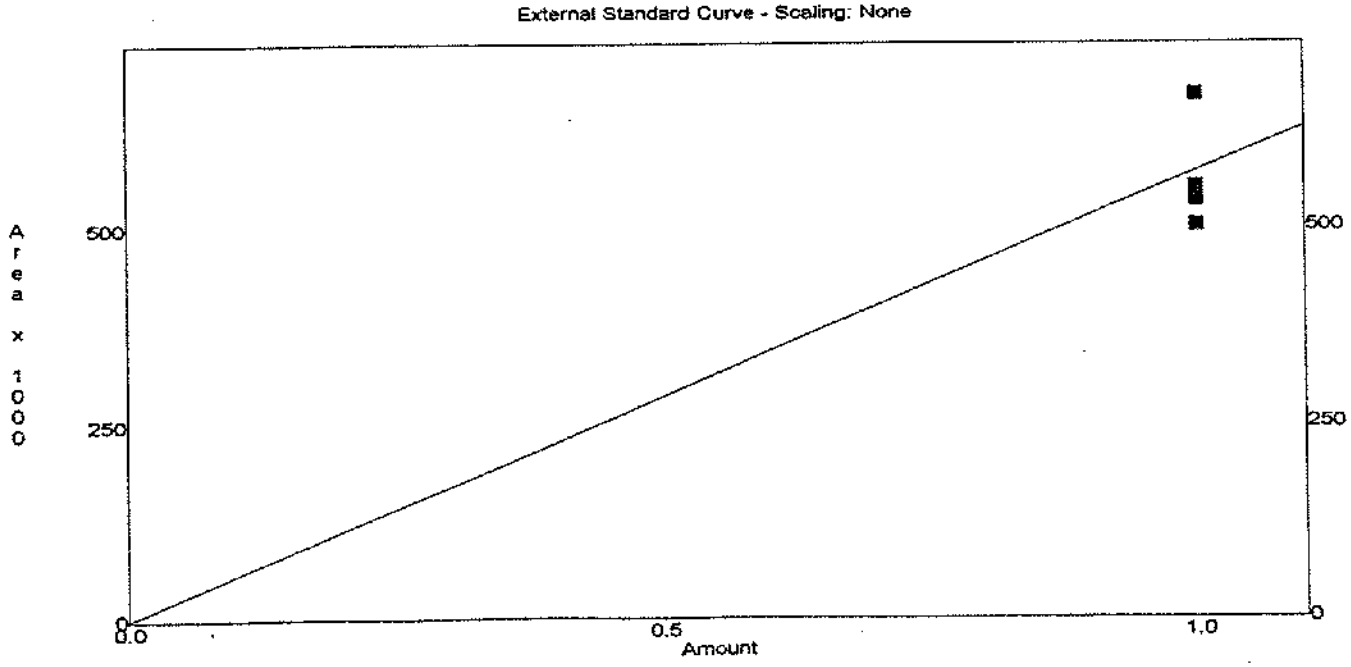
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	533456	1	1.875e-006	533456					0	0
2	549756	1	1.819e-006	549756					0	0
3	501475	1	1.994e-006	501475					0	0
4	670131	1	1.492e-006	670131					0	0

Average RF: 1.79498e-006
RF StdDev: 2.14642e-007
RF %RSD: 11.9579

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.752e-006 x Area + 0.000e+000
R^2 = 0.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:15
Channel : A
Peak : PCA1112

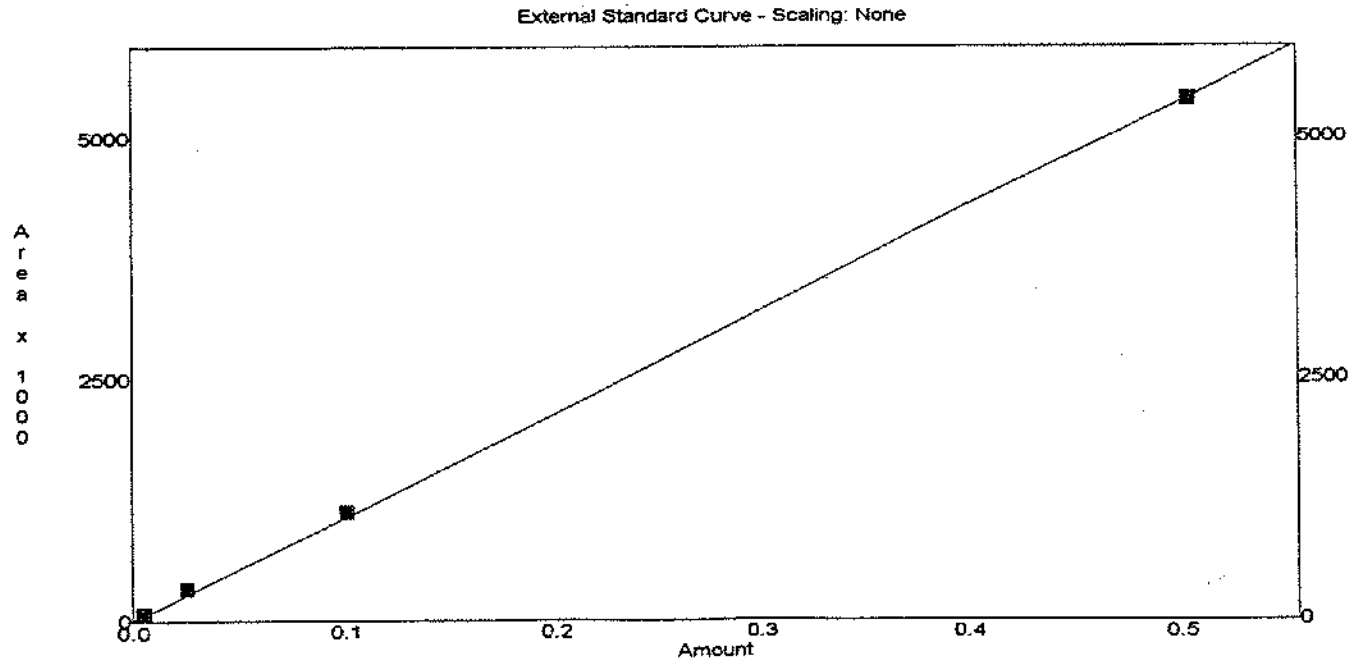
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	70900	0.00504	7.109e-008	70900					0	
2	329680	0.0252	7.644e-008	329680					0	
3	1133019	0.1008	8.897e-008	1133019					0	0
4	5399093	0.504	9.335e-008	5399093					0	0

Average RF: 8.24596e-008
RF StdDev: 1.04329e-008
RF %RSD: 12.6521

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.310e-008 x Area + 0.000e+000
R^2 = 0.9997



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:40:16
Channel : A
Peak : PCA1122

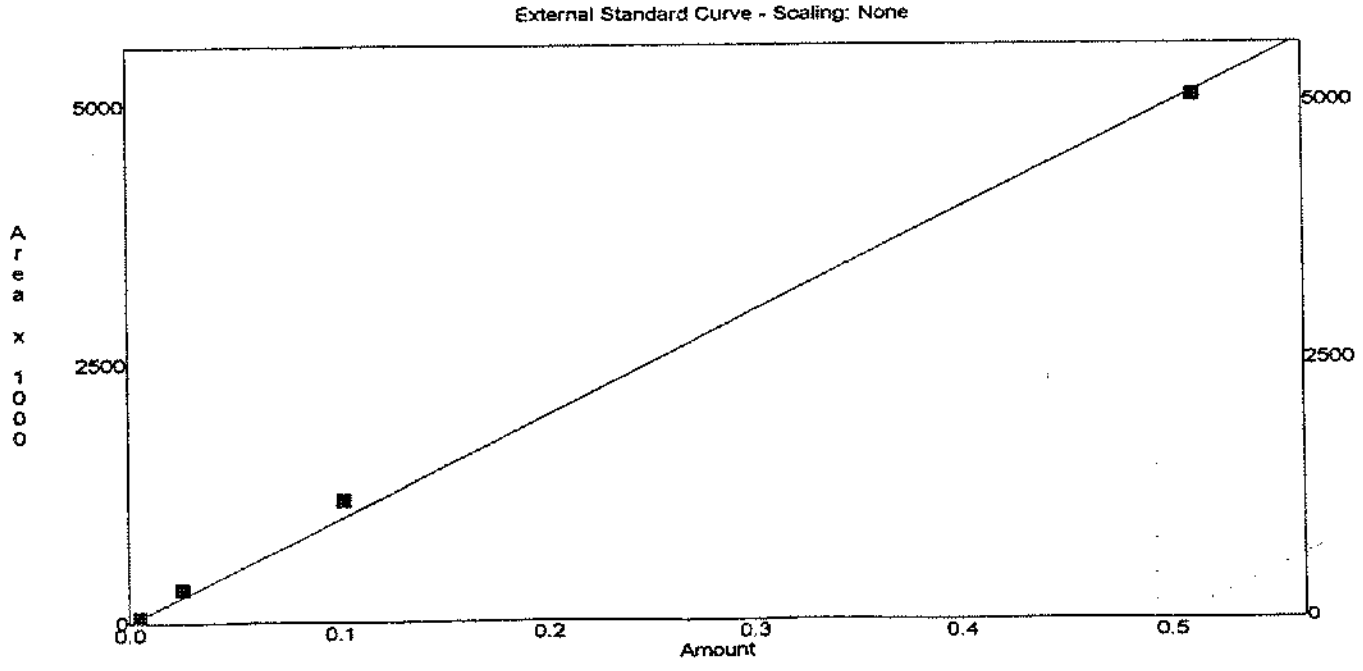
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	53930	0.00512	9.494e-008	53930					0	0
2	328632	0.0256	7.79e-008	328632					0	0
3	1186735	0.1024	8.629e-008	1186735					0	0
4	5065253	0.512	1.011e-007	5065253					0	0

Average RF: 9.00513e-008
RF StdDev: 1.01225e-008
RF %RSD: 11.2408

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.002e-007 x Area + 0.000e+000
R^2 = 0.9980



ethod : C:\LABQUEST\METHODS\L1265_2.MET
rinted : Dec 20, 1995 09:34:55
hannel : B
eak : VC

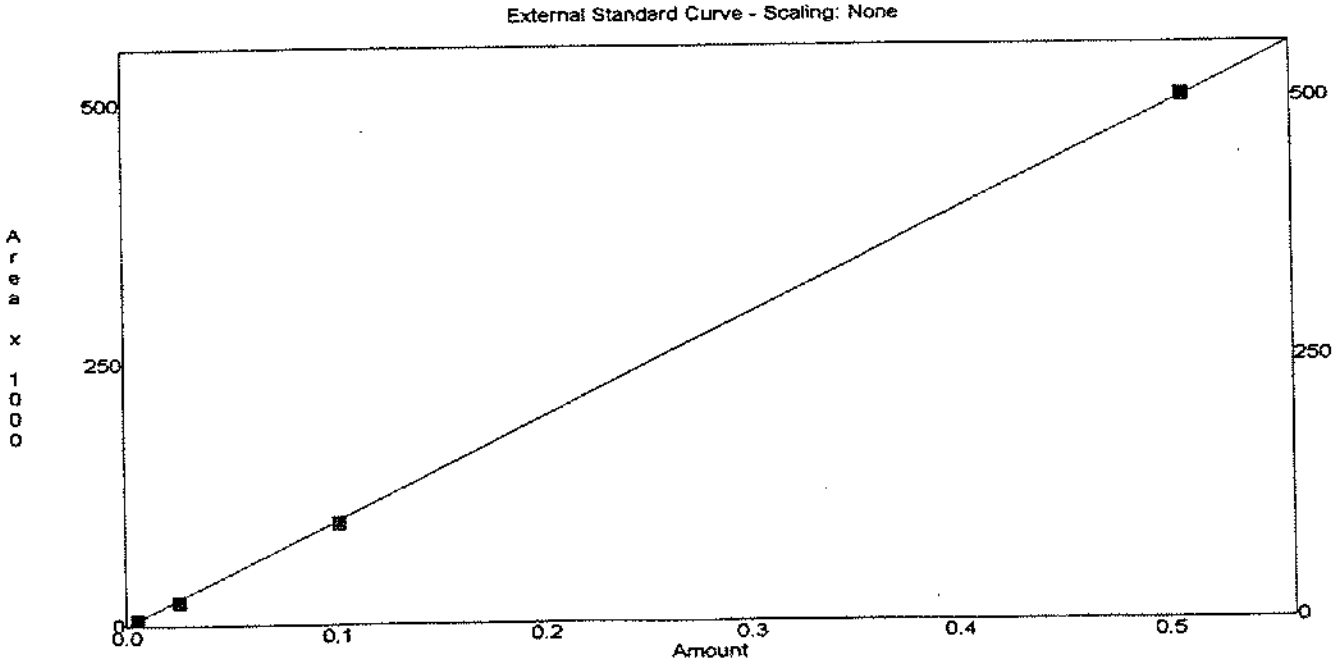
* - Replicate Not Used

vel	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	4342	0.0058	1.336e-006	4342					0	0
2	21282	0.0254	1.193e-006	21282					0	0
3	96211	0.1016	1.056e-006	96211					0	0
4	502242	0.508	1.011e-006	502242					0	0

verage RF: 1.14919e-006
F StdDev: 1.46552e-007
F %RSD: 12.7527

F Definition: Amount / Area
eighting Method: None
it Through Zero: Yes

inear Fit: Amount = 1.013e-006 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:34:57
Channel : B
Peak : DCE11

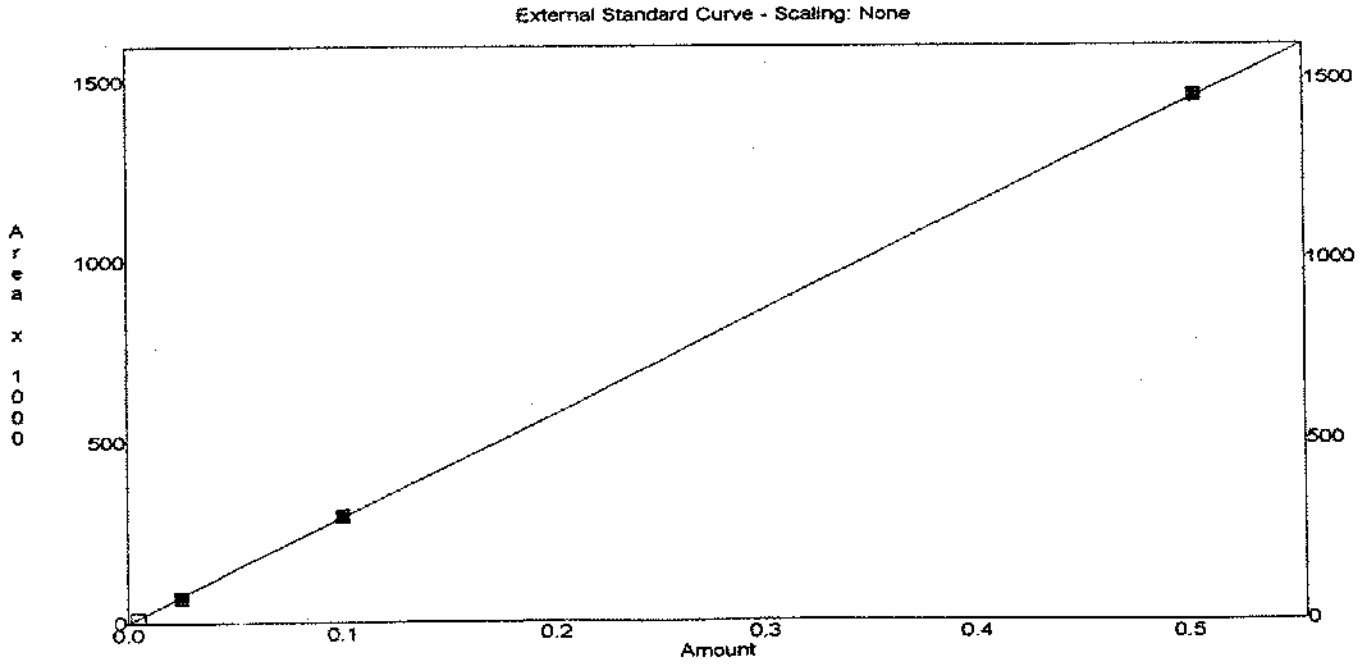
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	8678	0.00504	5.808e-007	8678*						
2	65497	0.0252	3.848e-007	65497					0	0
3	289339	0.1008	3.484e-007	289339					0	0
4	1452839	0.504	3.469e-007	1452839					0	0

Average RF: 3.60013e-007
RF StdDev: 2.14371e-008
RF %RSD: 5.95454

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.470e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:34:58
Channel : B
Peak : DCE12T

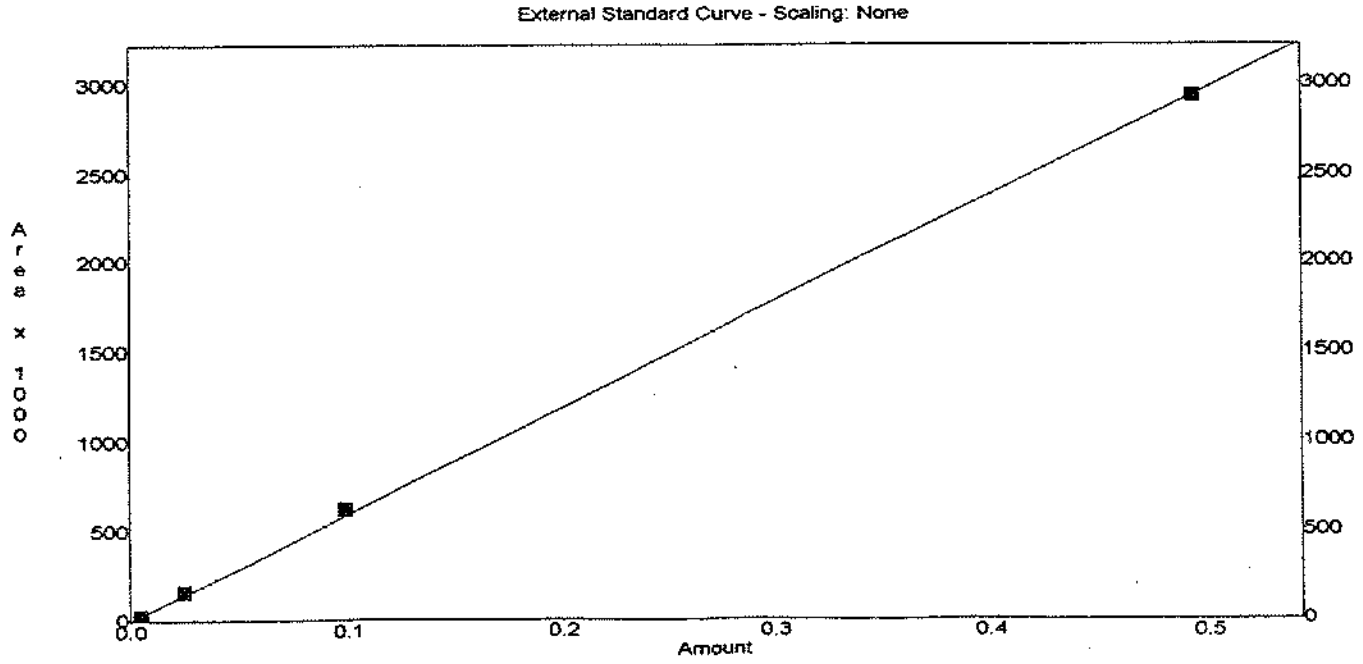
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	20306	0.00493	2.428e-007	20306					0	
2	159852	0.02465	1.542e-007	159852					0	
3	621068	0.0986	1.588e-007	621068					0	
4	2931267	0.493	1.682e-007	2931267					0	0

Average RF: 1.80983e-007
RF StdDev: 4.16088e-008
RF %RSD: 22.9904

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.677e-007 x Area + 0.000e+000
R^2 = 0.9997



BGPAA 0294

Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:00
Channel : B
Peak : DCE12C

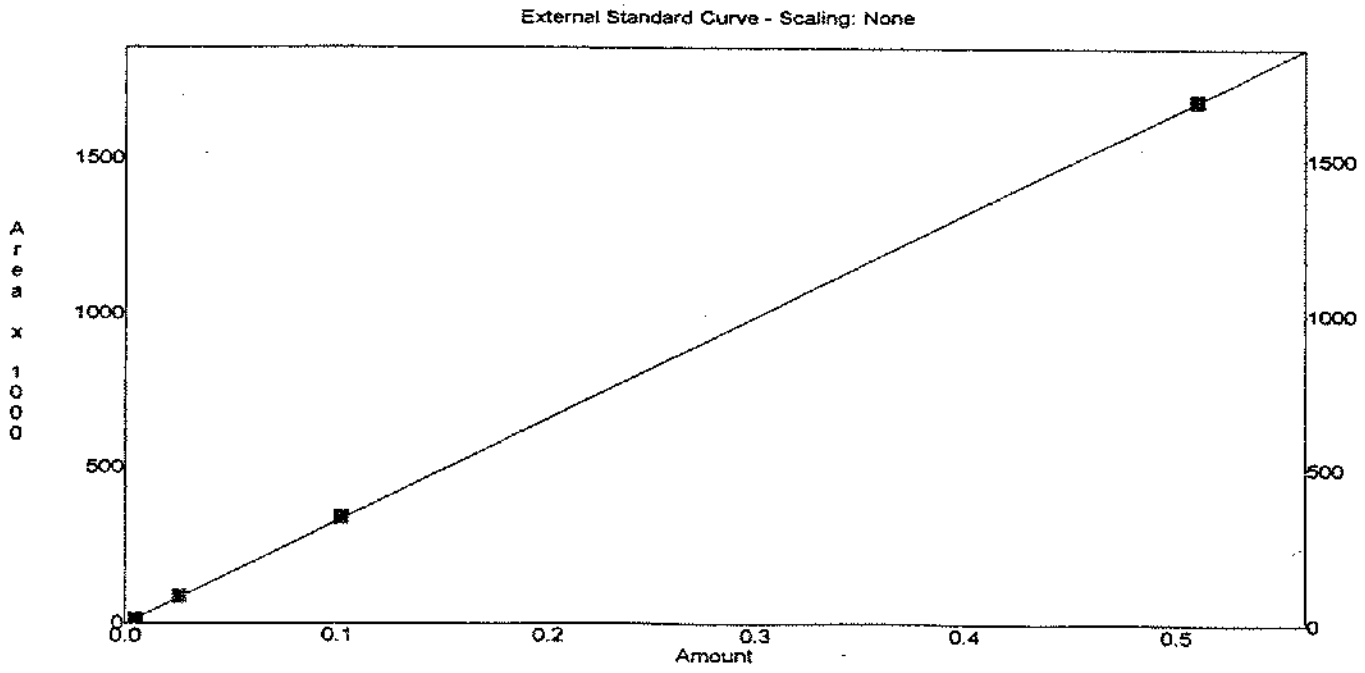
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	10976	0.0051	4.647e-007	10976					0	0
2	85959	0.0255	2.967e-007	85959					0	0
3	341856	0.102	2.984e-007	341856					0	0
4	1689751	0.51	3.018e-007	1689751					0	0

Average RF: 3.40374e-007
RF StdDev: 8.28796e-008
RF %RSD: 24.3493

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.017e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:01
Channel : B
Peak : BNZ

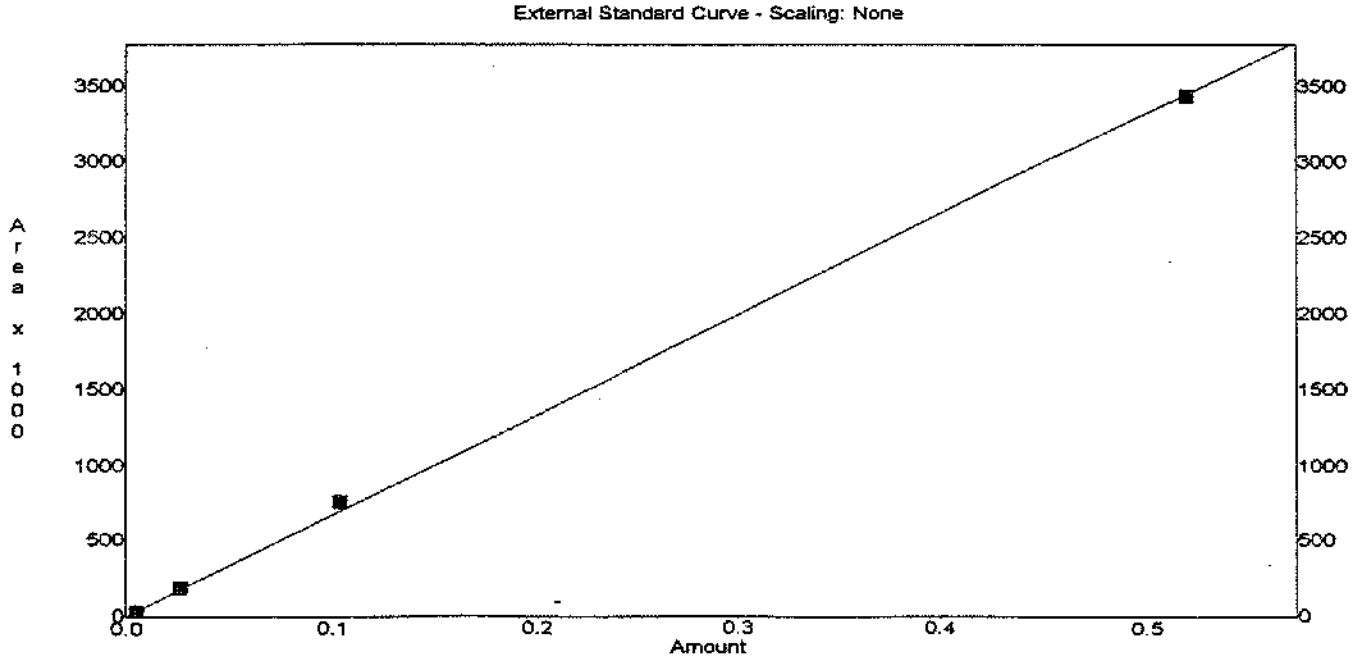
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	25038	0.00519	2.073e-007	25038					0	0
2	180629	0.026	1.439e-007	180629					0	0
3	751012	0.1038	1.382e-007	751012					0	
4	3438298	0.519	1.509e-007	3438298					0	

Average RF: 1.60098e-007
RF StdDev: 3.18888e-008
RF %RSD: 19.9183

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.504e-007 x Area + 0.000e+000
R^2 = 0.9995



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:02
Channel : B
Peak : TCE

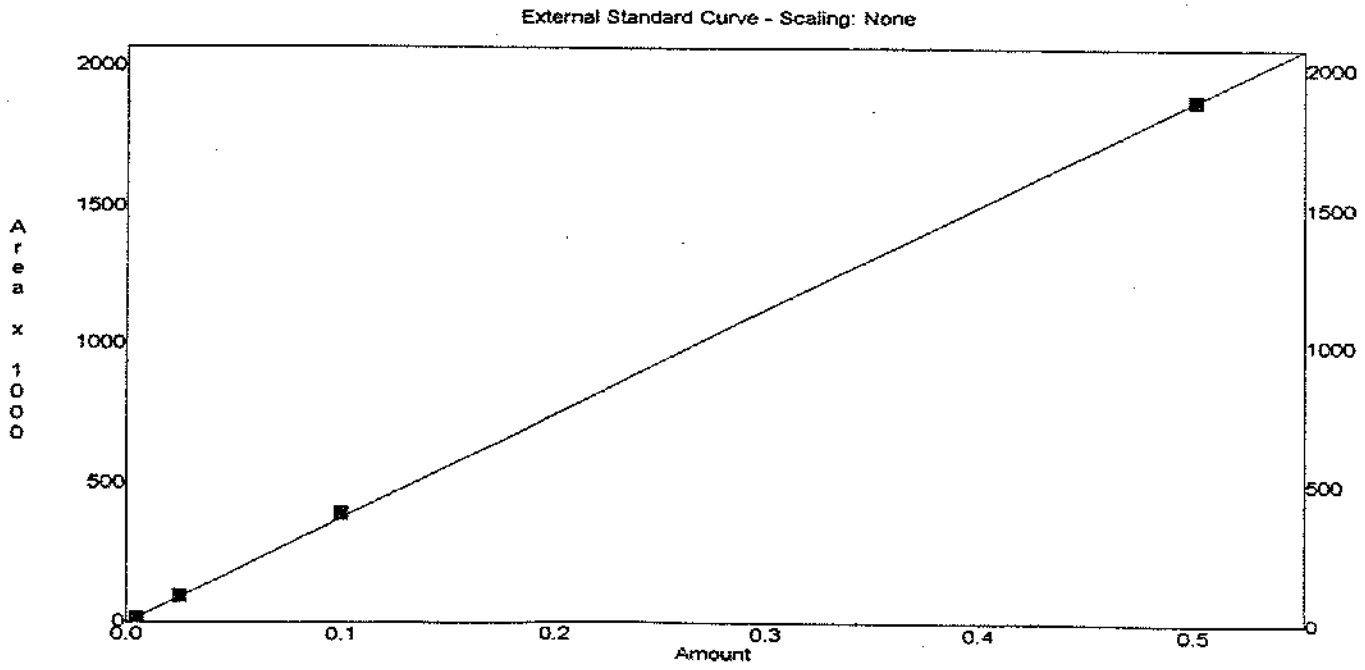
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	13588	0.00501	3.687e-007	13588					0	
2	94855	0.0251	2.646e-007	94855					0	
3	389491	0.1002	2.573e-007	389491					0	
4	1883071	0.501	2.661e-007	1883071					0	

Average RF: 2.89162e-007
RF StdDev: 5.3179e-008
RF %RSD: 18.3907

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 2.657e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:35:04
Channel : B
Peak : DCPE13C

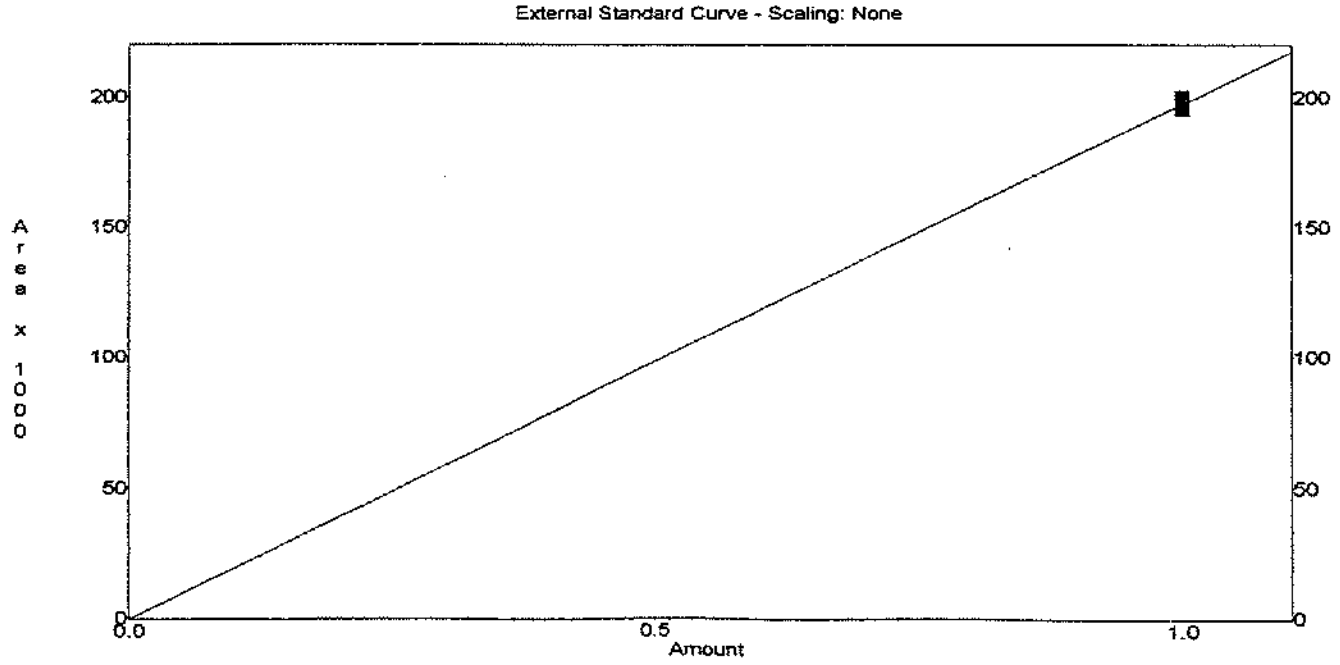
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	195555	1	5.114e-006	195555					0	0
2	195413	1	5.117e-006	195413					0	0
3	199933	1	5.002e-006	199933					0	
4	199448	1	5.014e-006	199448					0	

Average RF: 5.06163e-006
RF StdDev: 6.24308e-008
RF %RSD: 1.23341

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 5.060e-006 x Area + 0.000e+000
R^2 = 0.0000



HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L126S

Sample I.D.: SV-38-5B

Probe Depth (ft): 5

Time Sampled: 1217

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 17

Purge Volume (liters): 240ml

Equilibrium Time: 1sec

Purge Time: 2sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Salamone

Volume Analyzed (ml): 1

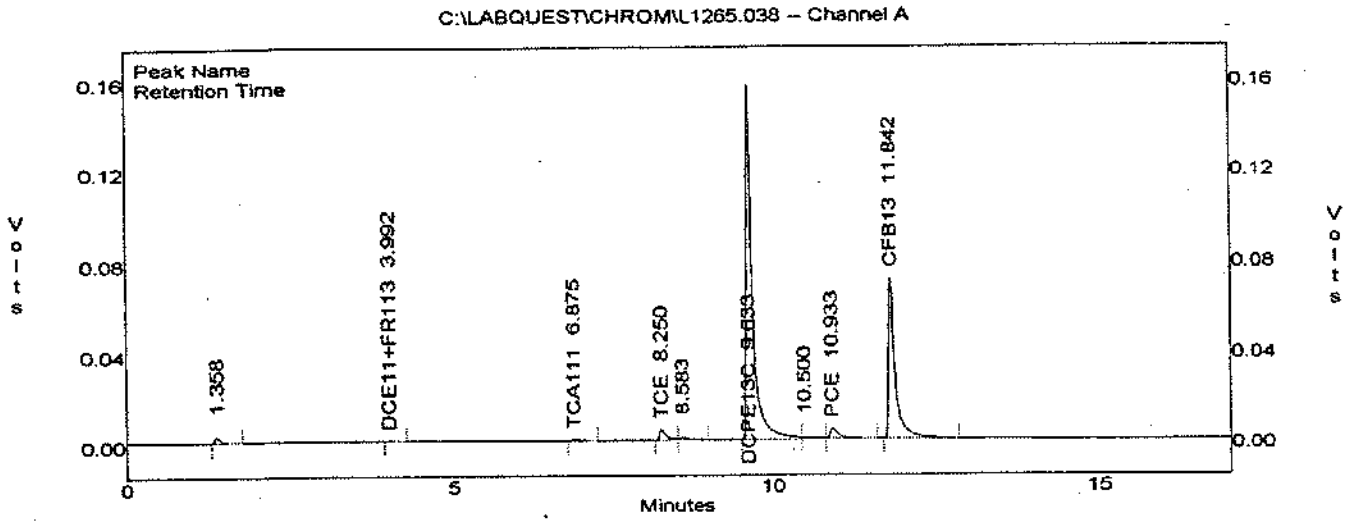
Date: 12-20-95 Time: 1203

Time Injected: 1224 Loop #: manual

Compound	Concentration (ug/1)	Compound	Concentration (ug/1)
Freon 12	<1	Tetrachloroethene	2.9 ✓
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	3.2 ✓		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 92 91 % PID: 96 97 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.038
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5B
Acquired : Dec 20, 1995 12:25:26
Printed : Dec 20, 1995 12:42:47
User : PAS



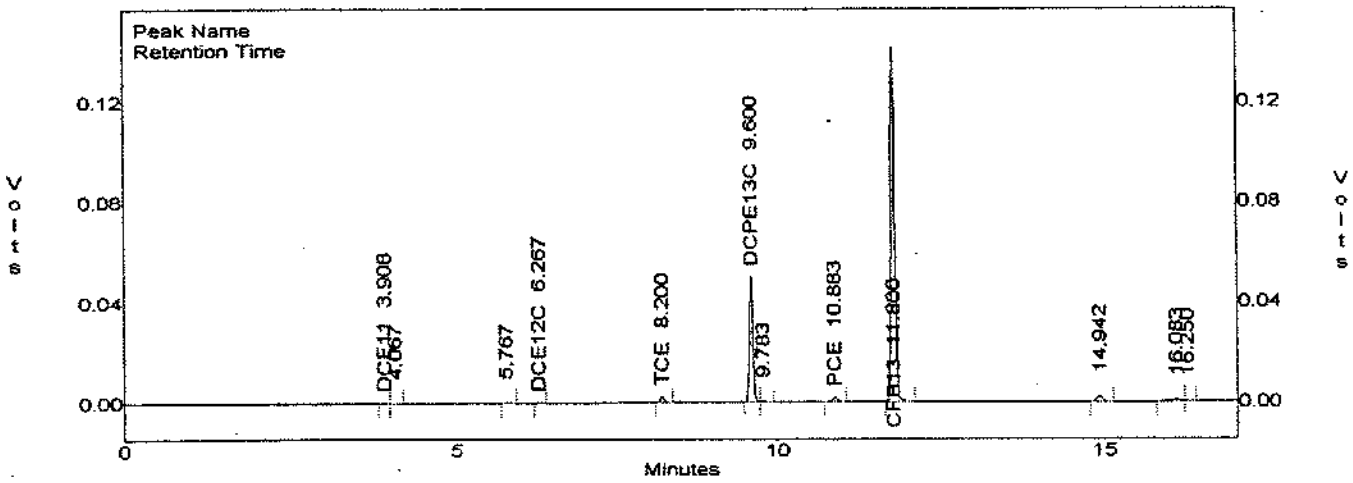
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.358	15688	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.992	1836	0.254	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.875	7815	0.749	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.250	33912	3.209	0
5		8.583	9064	0.000	0
6	DCPE13C	9.633	1093696	924.358	0
7		10.500	12031	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.933	44014	2.894	0
9	CFB13	11.842	519631	910.137	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1737689	1841.601	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.038
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-38-5B
Acquired : Dec 20, 1995 12:25:26
Printed : Dec 20, 1995 12:42:51
User : PAS

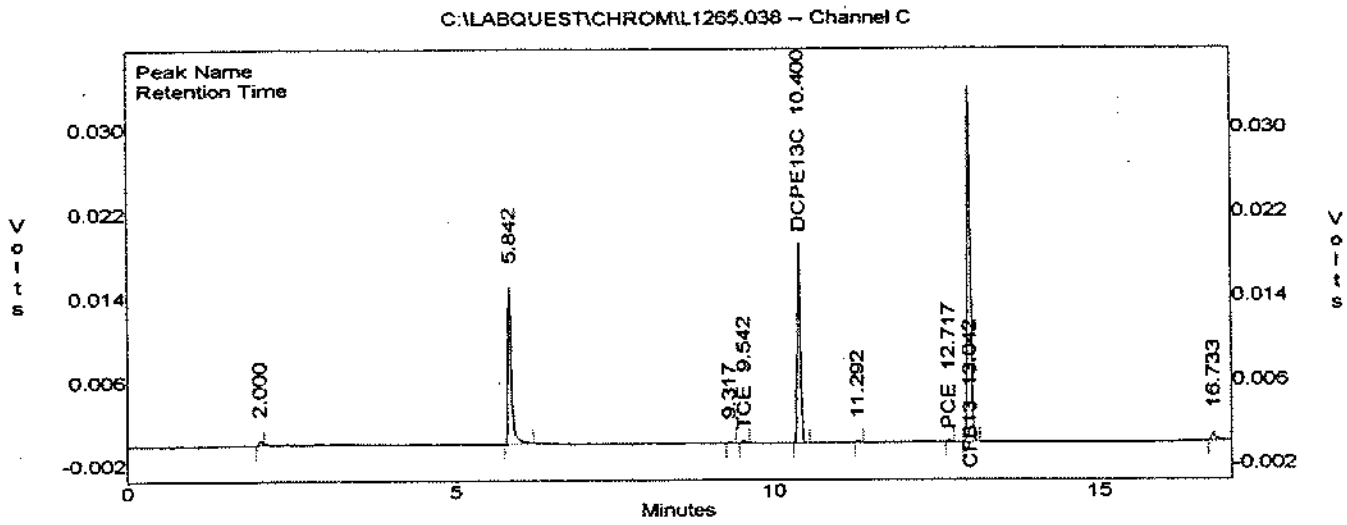
C:\LABQUEST\CHROM\L1265.038 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.908	1542	0.535	0
2		4.067	538	0.000	0
--	DCE12T	4.910	0	0.000	0
3		5.767	902	0.000	0
4	DCE12C	6.267	711	0.214	0
--	BNZ	7.300	0	0.000	0
5	TCE	8.200	9979	2.651	0
6	DCPE13C	9.600	189021	956.540	0
7		9.783	1610	0.000	0
--	TOL	10.050	0	0.000	0
8	PCE	10.883	8242	2.680	0
9	CFB13	11.800	572786	969.850	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
10		14.942	14180	0.000	0
11		16.083	8010	0.000	0
12		16.250	1257	0.000	0
Totals :			808782	1932.472	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.038
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5B
Acquired : Dec 20, 1995 12:25:26
Printed : Dec 20, 1995 12:42:53
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	1717	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.842	58975	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.317	564	0.000	0
4	TCE	9.542	1082	3.631	0
5	DCPE13C	10.400	66047	1002.105	0
--	TCA112	11.110	0	0.000	0
6		11.292	557	0.000	0
--	TOL	11.430	0	0.000	0
7	PCE	12.717	774	3.255	0
8	CFB13	13.042	121323	1003.976	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.733	4342	0.000	0

Totals :

	255383	2012.968

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-38-5C

Probe Depth (ft): 5

Time Sampled: 1219

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80 ml

Max. Purge Vacuum (in. Hg): 17

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

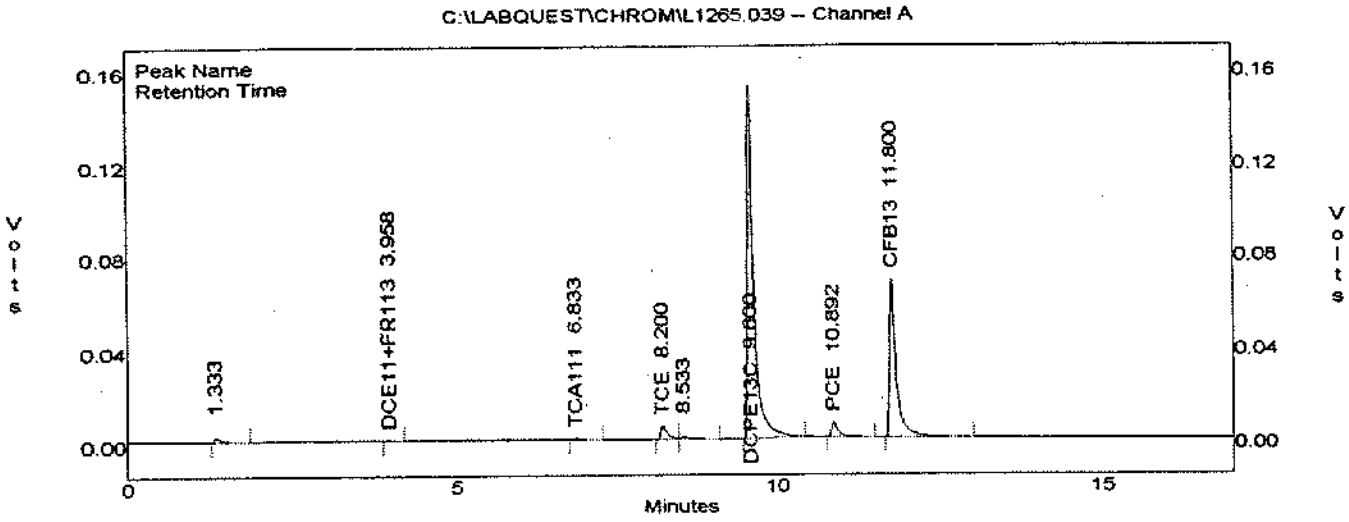
Date: 12-20-95 Time: 1223

Time Injected: 1246 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	3.4	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	4.0				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 88 87 % PID: 93 93 % FID: 100 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.039
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5C
Acquired : Dec 20, 1995 12:48:15
Printed : Dec 20, 1995 13:05:35
User : PAS



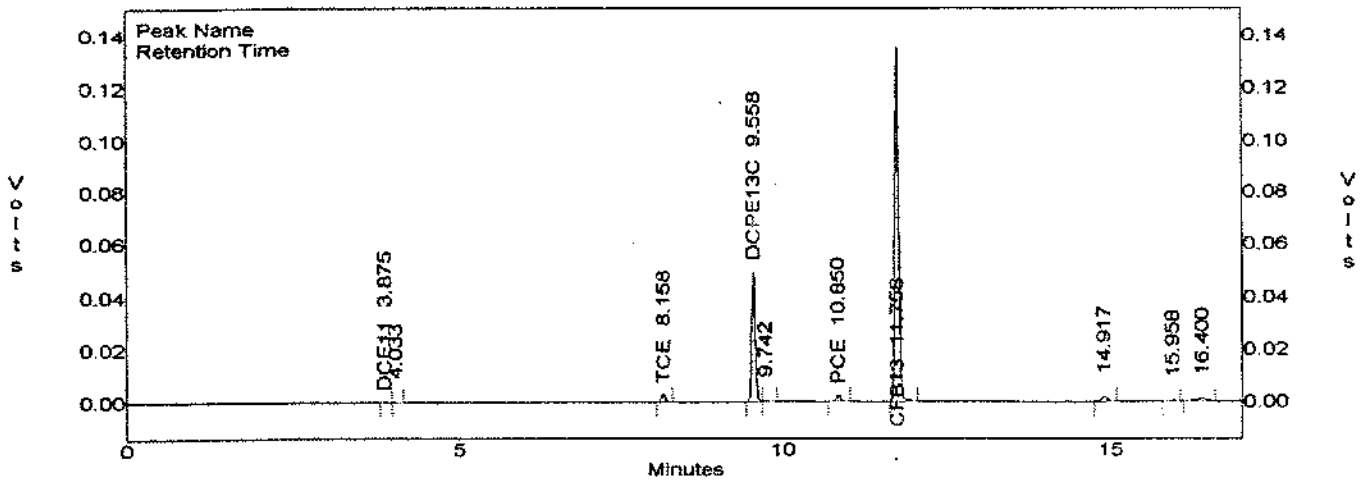
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	12600	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.958	1742	0.241	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.833	7221	0.692	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.200	42083	3.983	0
5		8.533	11466	0.000	0
6	DCPE13C	9.600	1045661	883.760	0
--	TCA112	10.760	0	0.000	0
7	PCE	10.892	51129	3.362	0
8	CFB13	11.800	499252	874.444	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1671158	1766.481	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.039
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-38-5C
Acquired : Dec 20, 1995 12:48:15
Printed : Dec 20, 1995 13:05:39
User : PAS

C:\LABQUEST\CHROM\L1265.039 -- Channel B



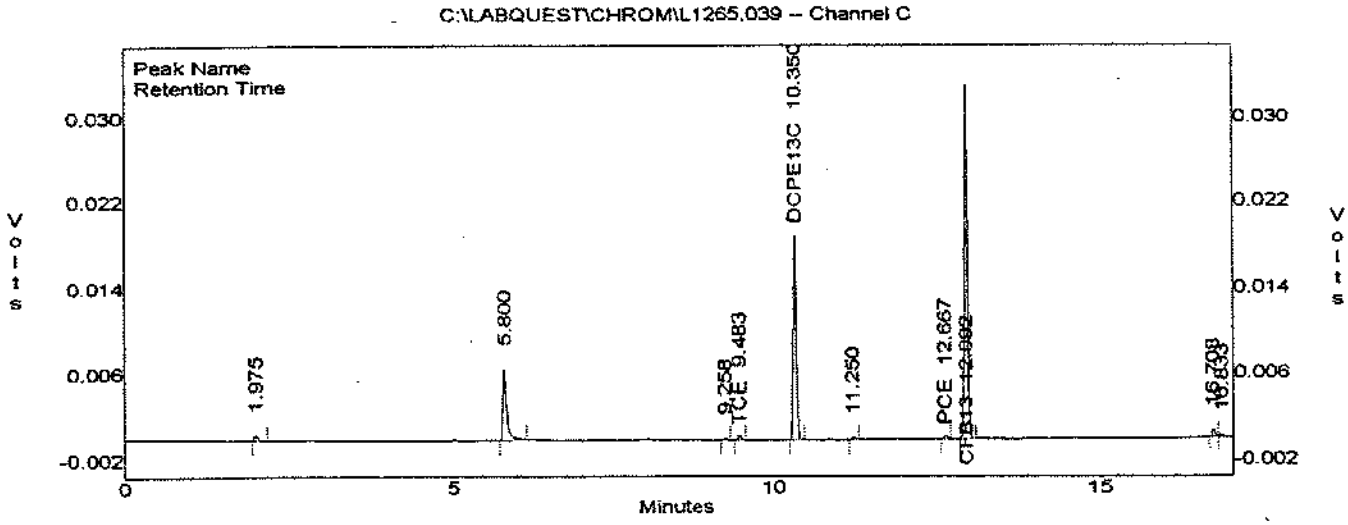
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.875	1420	0.493	0
2		4.033	508	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
3	TCE	8.158	12019	3.194	0
4	DCPE13C	9.558	184312	932.707	0
5		9.742	1612	0.000	0
--	TOL	10.050	0	0.000	0
6	PCE	10.850	11275	3.667	0
7	CFB13	11.758	551972	934.608	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
8		14.917	11747	0.000	0
9		15.958	968	0.000	0
10		16.400	10013	0.000	0

Totals :

	785849	1874.668

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.039
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5C
Acquired : Dec 20, 1995 12:48:15
Printed : Dec 20, 1995 13:05:40
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	2206	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.800	27663	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.258	560	0.000	0
4	TCE	9.483	1428	4.790	0
5	DCPE13C	10.350	65860	999.276	0
--	TCA112	11.110	0	0.000	0
6		11.250	618	0.000	0
--	TOL	11.430	0	0.000	0
7	PCE	12.667	1186	4.990	0
8	CFB13	12.992	119447	988.451	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.708	2215	0.000	0
10		16.833	1595	0.000	0
Totals :			222783	1997.507	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-28-5

Probe Depth (ft): 5

Time Sampled: 1320

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 2 sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1

Date: 12-20-95 Time: 1325

Time Injected: 1325

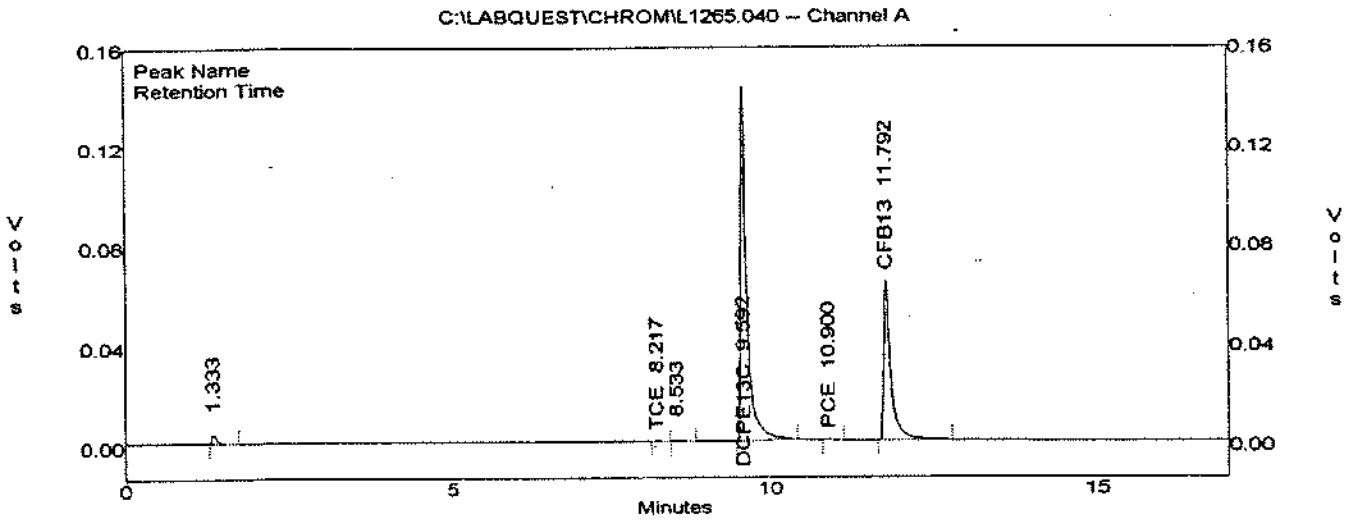
Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1	<1	Tetrachloroethene	<1	<1
Vinyl Chloride	<1	<1	1,1,1,2 PCA	<1	<1
Chloroethane	<1	<1	1,1,2,2 PCA	<1	<1
Freon 11	<1	<1	1,1-Dichloroethene	<1	<1
Dichloromethane	<1	<1	Benzene	<1	<1
trans-1,2-Dichloroethene	<1	<1	Toluene	<1	<1
1,1-Dichloroethane	<1	<1	Ethyl Benzene	<1	<1
cis-1,2-Dichloroethene	<1	<1	m/p-xylene	<1	<1
Chloroform	<1	<1	o-Xylene	<1	<1
1,1,1-trichloroethane	<1	<1			
Carbon Tetrachloride	<1	<1			
1,2-Dichloroethane	<1	<1	Freon 113	<1	<1
Trichloroethene	<1	<1			
1,1,2-Trichloroethane	<1	<1			

Surrogate Recovery ELCD: 81 82 % PID: 93 93 % FID: 100 99 %

88 83 92 93 99 99

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.040
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:25:18
Printed : Dec 20, 1995 13:42:38
User : PAS

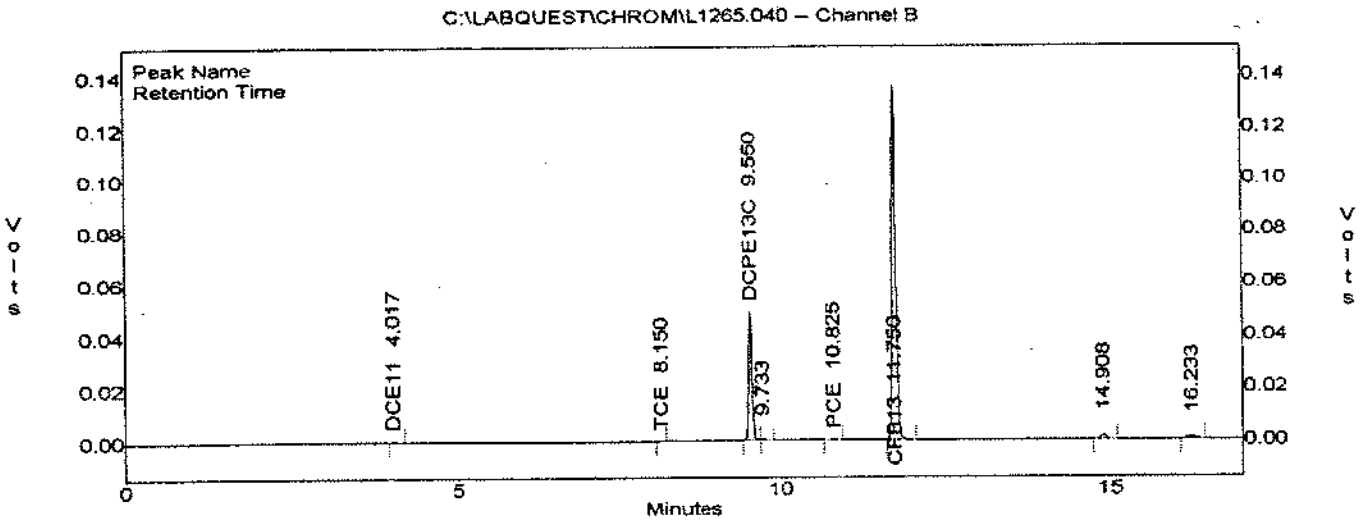


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	19549	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.217	1710	0.162	0
3		8.533	4148	0.000	0
4	DCPE13C	9.592	958957	810.480	0
--	TCA112	10.760	0	0.000	0
5	PCE	10.900	2634	0.173	0
6	CFB13	11.792	468784	821.079	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1455783	1631.894	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

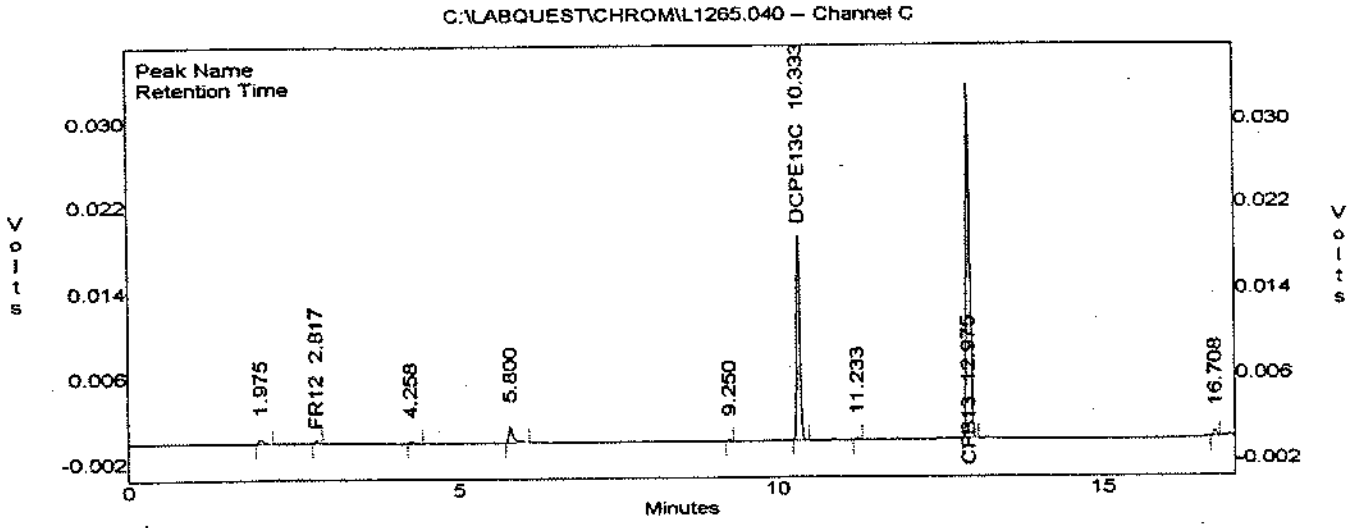
File : C:\LABQUEST\CHROM\L1265.040
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:25:18
Printed : Dec 20, 1995 13:42:41
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.017	1934	0.671	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.150	632	0.168	0
3	DCPE13C	9.550	183064	926.394	0
4		9.733	1337	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.825	1591	0.518	0
6	CFB13	11.750	548981	929.543	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.908	11277	0.000	0
8		16.233	7151	0.000	0
Totals :			755970	1857.294	

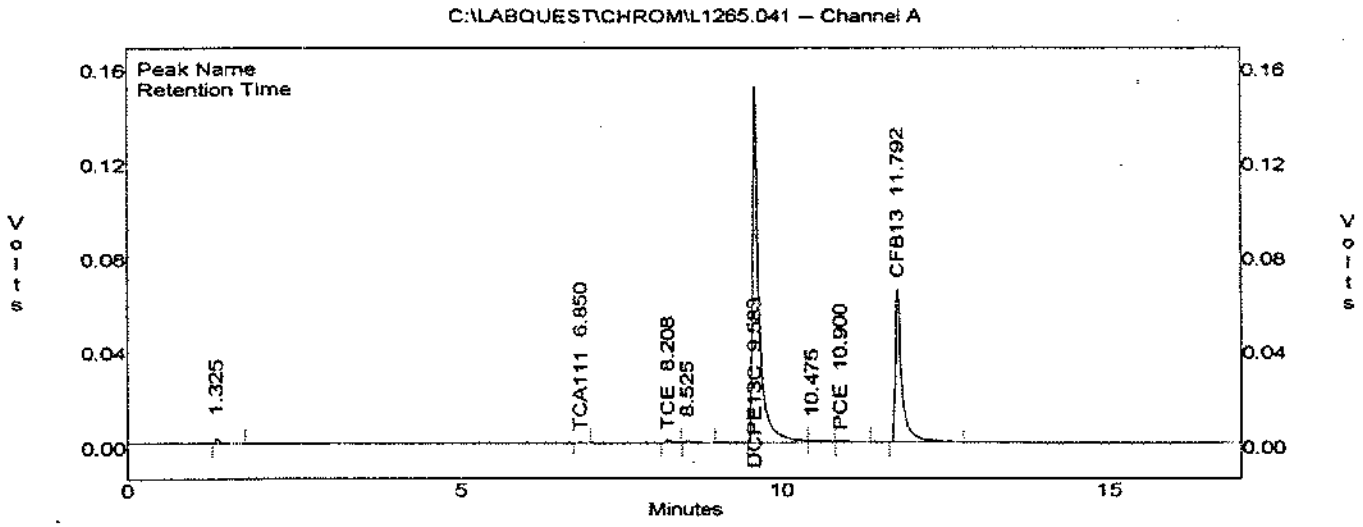
Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.040
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:25:18
Printed : Dec 20, 1995 13:42:43
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	2121	0.000	0
2	FR12	2.817	1196	2.313	0
--	VC	3.640	0	0.000	0
3		4.258	685	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.800	7283	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.250	535	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.333	65594	995.240	0
--	TCA112	11.110	0	0.000	0
7		11.233	569	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	12.975	119088	985.476	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.708	1890	0.000	0
Totals :			198964	1983.029	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.041
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:52:30
Printed : Dec 20, 1995 14:09:44
User : PAS



Channel A Results

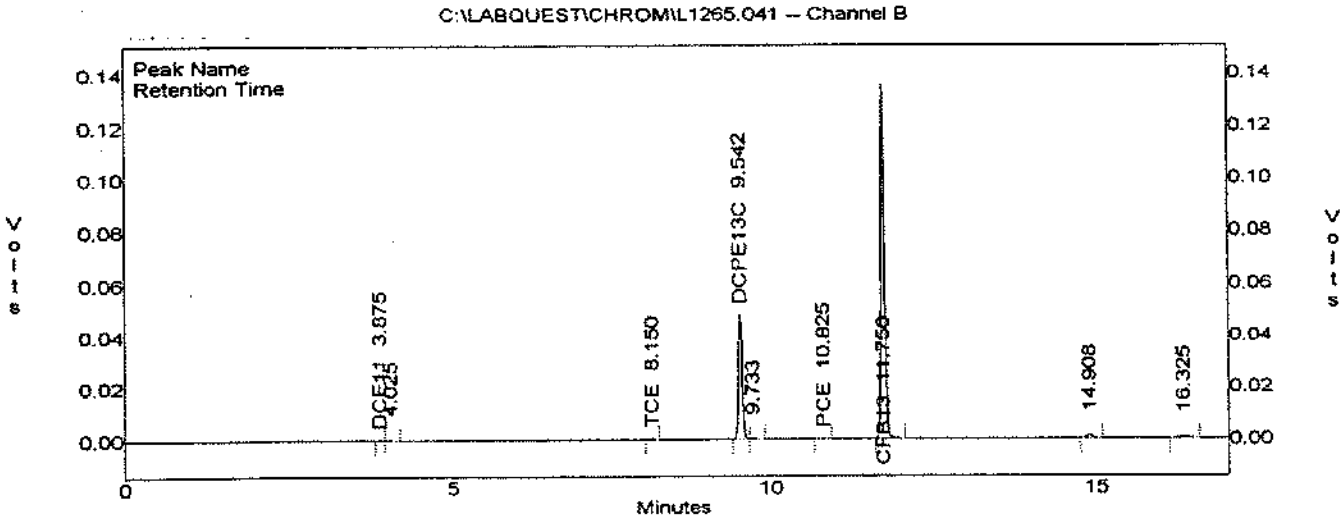
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.325	12553	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.850	1134	0.109	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.208	8514	0.806	0
4		8.525	6949	0.000	0
5	DCPE13C	9.583	1043449	881.891	0
6		10.475	11770	0.000	0
--	TCA112	10.760	0	0.000	0
7	PCE	10.900	7292	0.479	0
8	CFB13	11.792	471361	825.592	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1563025	1708.877

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

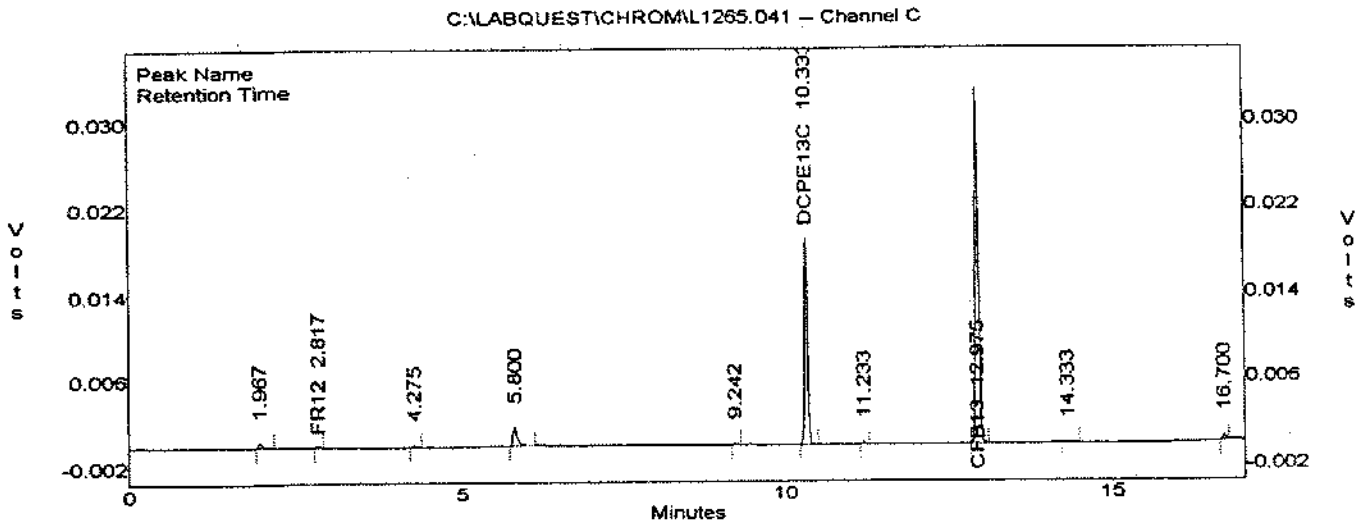
File : C:\LABQUEST\CHROM\L1265.041
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:52:30
Printed : Dec 20, 1995 14:09:47
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.875	1010	0.351	0
2		4.025	1248	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
3	TCE	8.150	2625	0.697	0
4	DCPE13C	9.542	182237	922.209	0
5		9.733	1617	0.000	0
--	TOL	10.050	0	0.000	0
6	PCE	10.825	1505	0.490	0
7	CFB13	11.750	547965	927.823	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
8		14.908	9194	0.000	0
9		16.325	7646	0.000	0
Totals :			755051	1851.569	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.041
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-28-5
Acquired : Dec 20, 1995 13:52:30
Printed : Dec 20, 1995 14:09:49
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2165	0.000	0
2	FR12	2.817	749	1.448	0
--	VC	3.640	0	0.000	0
3		4.275	649	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.800	8119	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.242	543	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.333	65489	993.639	0
--	TCA112	11.110	0	0.000	0
7		11.233	599	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	12.975	119327	987.458	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
9		14.333	681	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.700	1501	0.000	0
Totals :			199824	1982.546	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 6S

Sample I.D.: SV-37-5

Probe Depth (ft): 5

Time Sampled: 1402

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: South/ 1mph.

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 16

Purge Volume (liters): 400 ml

Equilibrium Time: 1 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1

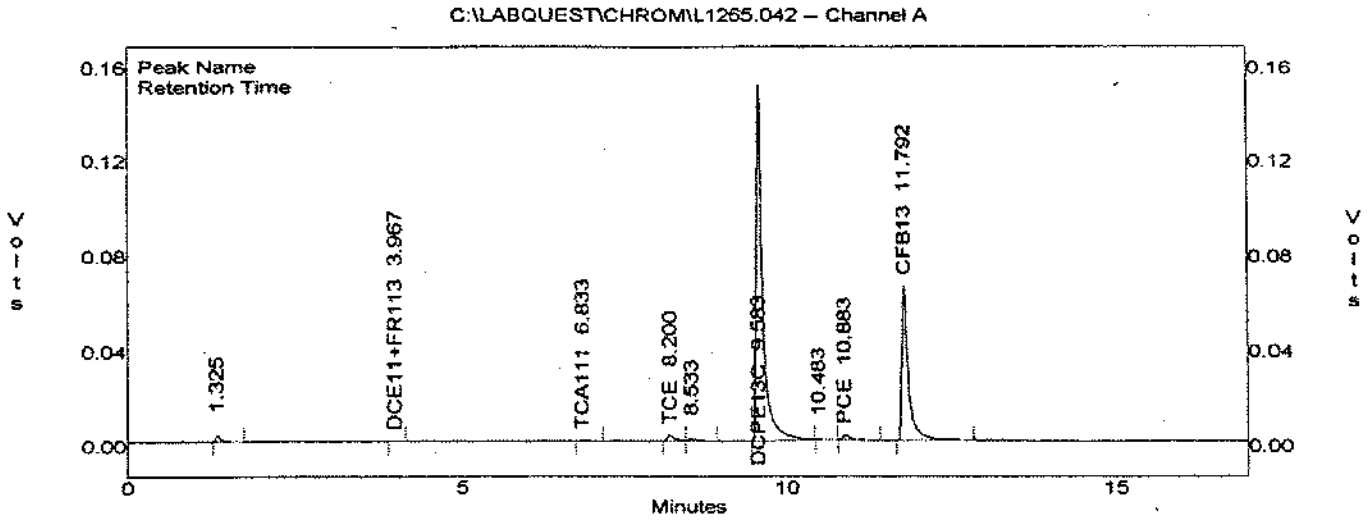
Date: 12-20-95 Time: 1405

Time Injected: 1414 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	1.2 J	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	1.8 J				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 86 83 % PID: 92 92 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.042
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-37-5
Acquired : Dec 20, 1995 14:15:32
Printed : Dec 20, 1995 14:32:54
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.325	14954	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.967	887	0.123	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.833	4322	0.414	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.200	18805	1.780	0
5		8.533	7538	0.000	0
6	DCPE13C	9.583	1014367	857.311	0
7		10.483	4503	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.883	18310	1.204	0
9	CFB13	11.792	473480	829.303	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

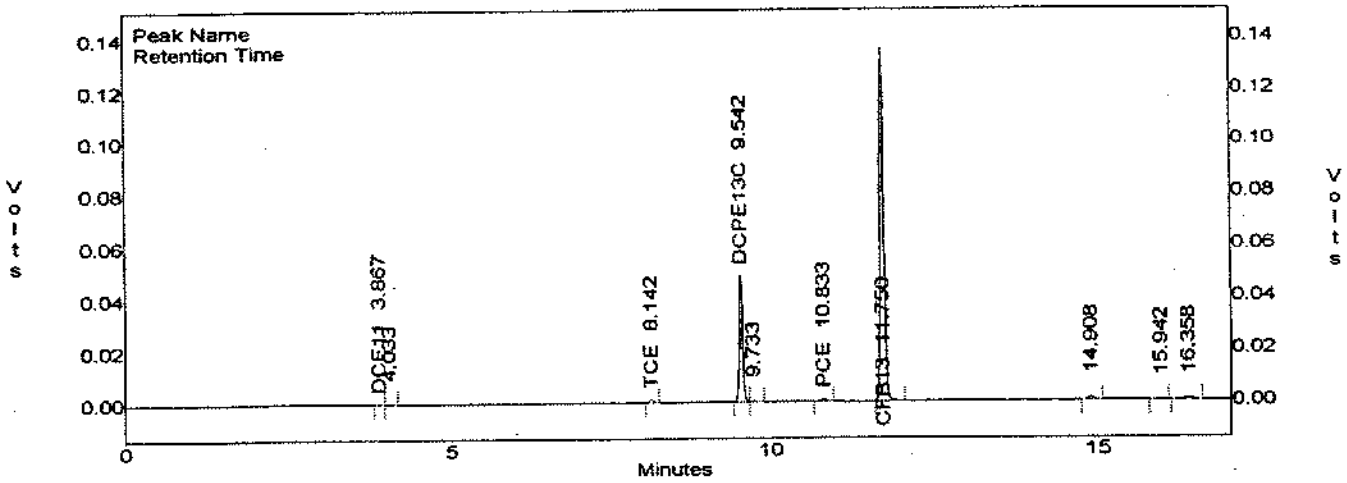
Totals :

	1557168	1690.135

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.042
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-37-5
Acquired : Dec 20, 1995 14:15:32
Printed : Dec 20, 1995 14:32:58
User : PAS

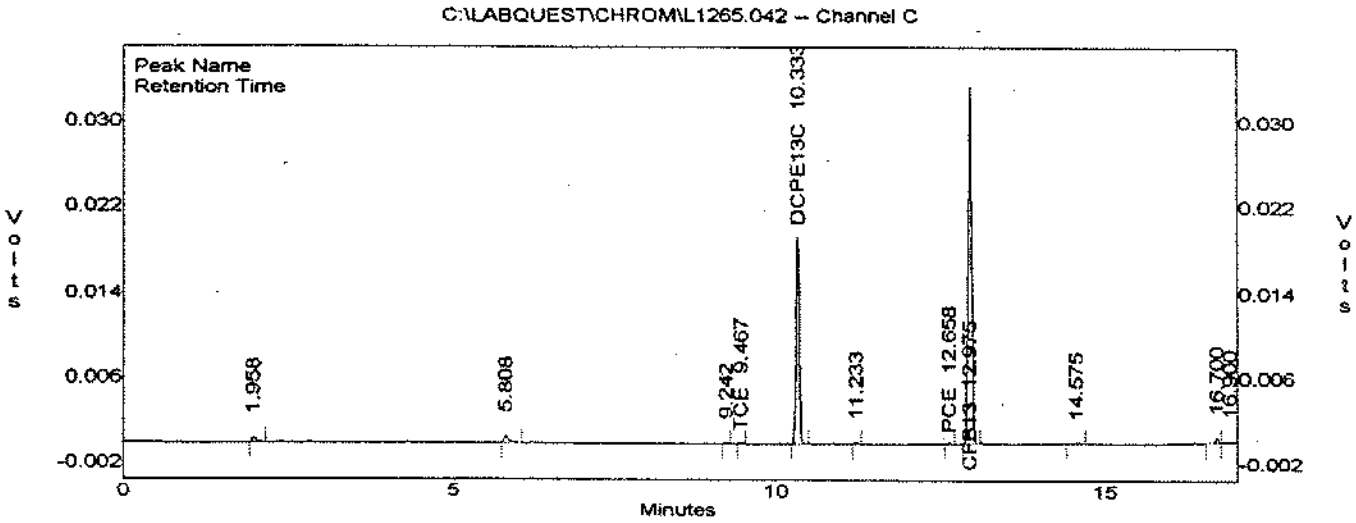
C:\LABQUEST\CHROM\L1265.042 – Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.867	1073	0.372	0
2		4.033	575	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
3	TCE	8.142	5694	1.513	0
4	DCPE13C	9.542	181981	920.911	0
5		9.733	1587	0.000	0
--	TOL	10.050	0	0.000	0
6	PCE	10.833	4743	1.542	0
7	CFB13	11.750	550342	931.848	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
8		14.908	9128	0.000	0
9		15.942	1605	0.000	0
10		16.358	7855	0.000	0
Totals :			764585	1856.187	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.042
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-37-S
Acquired : Dec 20, 1995 14:15:32
Printed : Dec 20, 1995 14:32:59
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	2124	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.808	3398	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.242	555	0.000	0
4	TCE	9.467	758	2.545	0
5	DCPE13C	10.333	66065	1002.386	0
--	TCA112	11.110	0	0.000	0
6		11.233	590	0.000	0
--	TOL	11.430	0	0.000	0
7	PCE	12.658	506	2.130	0
8	CFB13	12.975	120762	999.331	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
9		14.575	622	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.700	1835	0.000	0
11		16.900	1423	0.000	0

Totals :

	198642	2006.393

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-27-5

Probe Depth (ft): 5

Time Sampled: 1455

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 12

Purge Volume (liters): 400

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

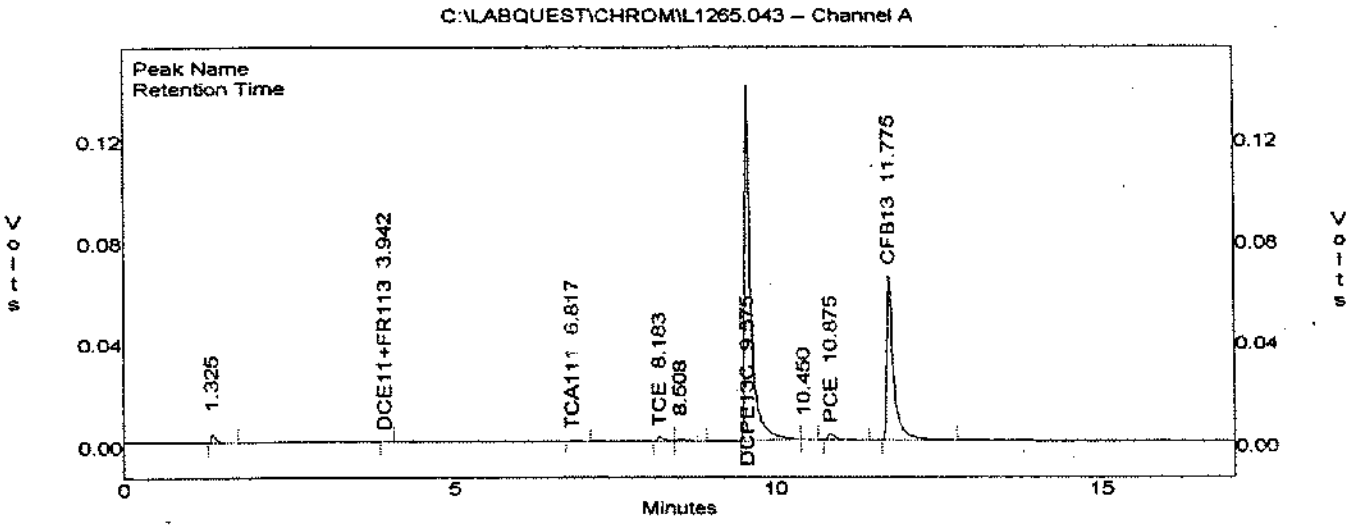
Date: 12-20-95 Time: 1500

Time Injected: 1501 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	1.4 J	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1 J		Freon 113	<1	
Trichloroethene	1.2				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 80 83 % PID: 92 93 % FID: 99 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.043
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-27-5
Acquired : Dec 20, 1995 14:59:29
Printed : Dec 20, 1995 15:16:48
User : PAS



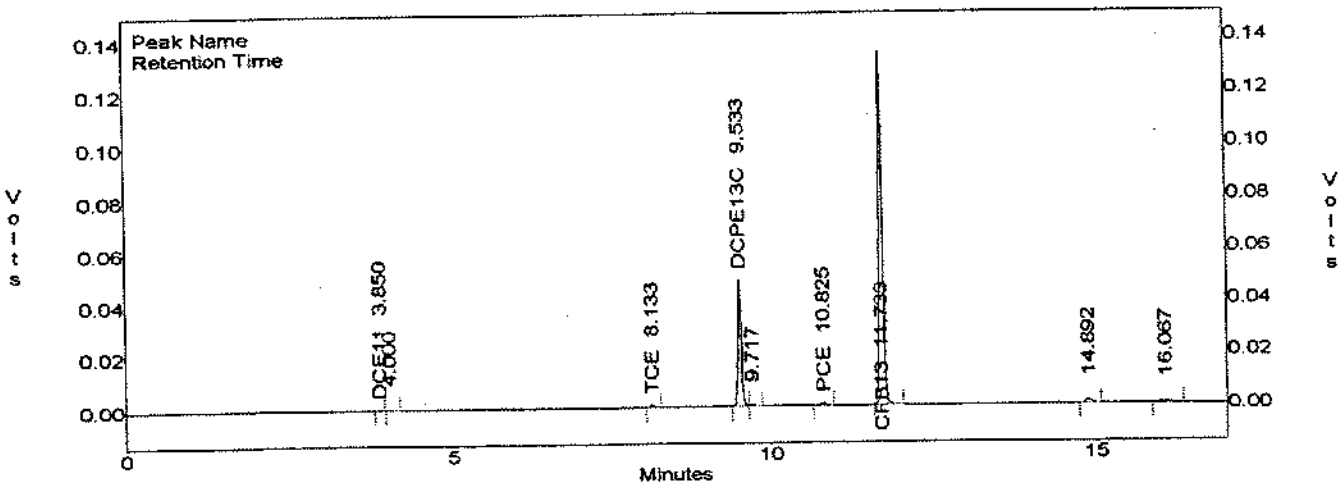
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.325	16447	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.942	504	0.070	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.817	3026	0.290	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.183	12195	1.154	0
5		8.508	6271	0.000	0
6	DCPE13C	9.575	943067	797.051	0
7		10.450	600	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.875	21665	1.425	0
9	CFB13	11.775	475720	833.227	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1479499	1633.217	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.043
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-27-5
Acquired : Dec 20, 1995 14:59:29
Printed : Dec 20, 1995 15:16:51
User : PAS

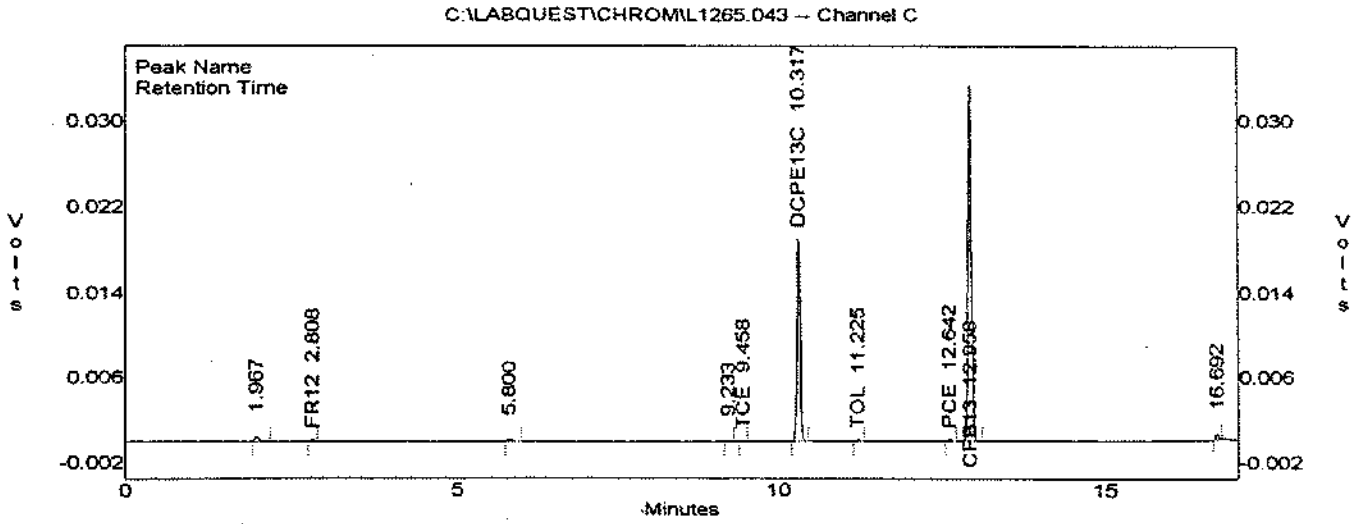
C:\LABQUEST\CHROM\L1265.043 – Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.850	978	0.339	0
2		4.000	1550	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
3	TCE	8.133	4203	1.117	0
4	DCPE13C	9.533	180945	915.669	0
5		9.717	1581	0.000	0
--	TOL	10.050	0	0.000	0
6	PCE	10.825	5357	1.742	0
7	CFB13	11.733	545614	923.841	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
8		14.892	10509	0.000	0
9		16.067	7916	0.000	0
Totals :			758655	1842.708	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.043
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-27-5
Acquired : Dec 20, 1995 14:59:29
Printed : Dec 20, 1995 15:16:53
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2256	0.000	0
2	FR12	2.808	753	~~1.456~~ Not on	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.800	1251	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.233	563	0.000	0
5	TCE	9.458	562	1.886	0
6	DCPE13C	10.317	65543	994.466	0
--	TCA112	11.110	0	0.000	0
7	TOL	11.225	596	0.395	0
8	PCE	12.642	587	2.469	0
9	CFB13	12.958	120141	994.190	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.692	1733	0.000	0

Totals : 193988 1994.862

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-36-5

Probe Depth (ft): 5

Time Sampled: 1522

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: South/1 mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 17

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

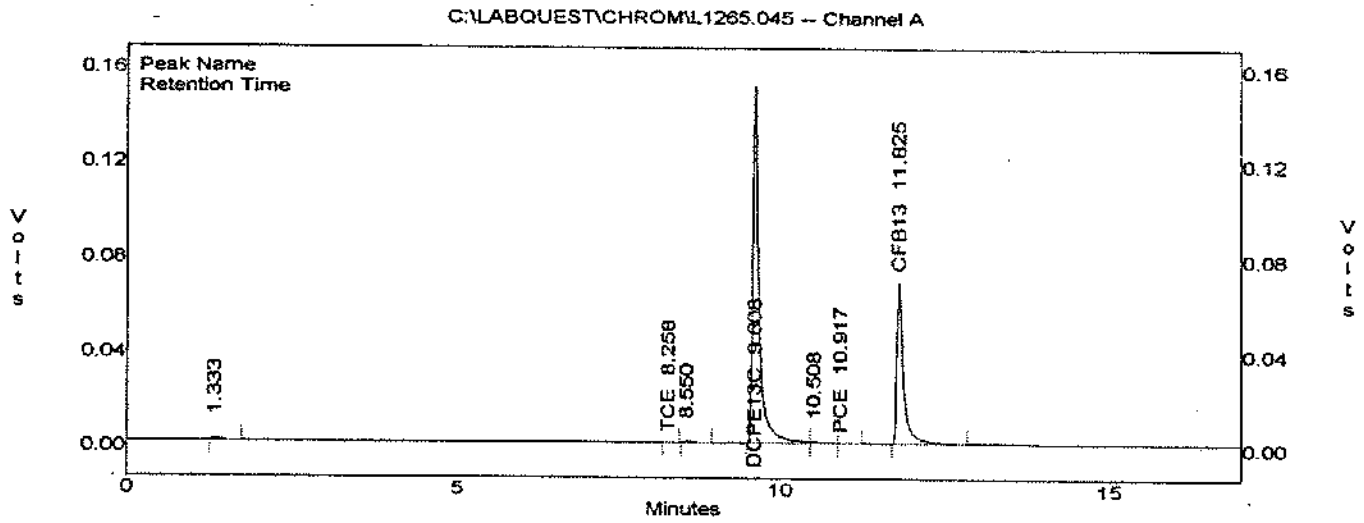
Date: 12-20-95 Time: 1530

Time Injected: 1530 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 85 85 % PID: 92 93 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.045
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-36-5
Acquired : Dec 20, 1995 15:31:07
Printed : Dec 20, 1995 15:48:26
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	9067	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.258	734	0.069	0
3		8.550	4582	0.000	0
4	DCPE13C	9.608	1011371	854.780	0
5		10.508	10461	0.000	0
--	TCA112	10.760	0	0.000	0
6	PCE	10.917	2387	0.157	0
7	CFB13	11.825	486062	851.340	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

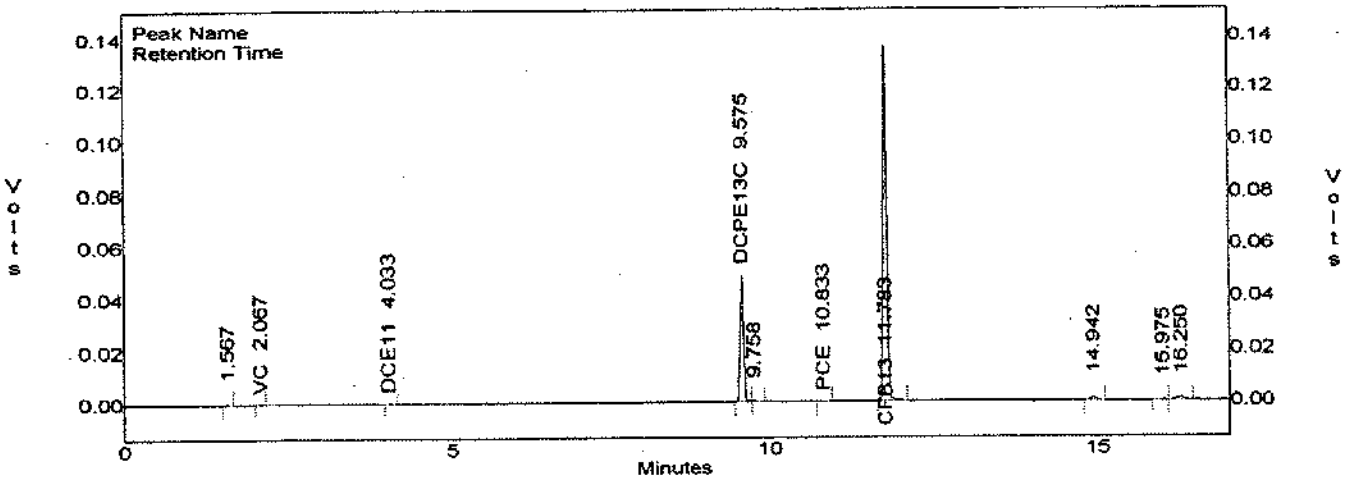
Totals :

	1524667	1706.347

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.045
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-36-5
Acquired : Dec 20, 1995 15:31:07
Printed : Dec 20, 1995 15:48:29
User : PAS

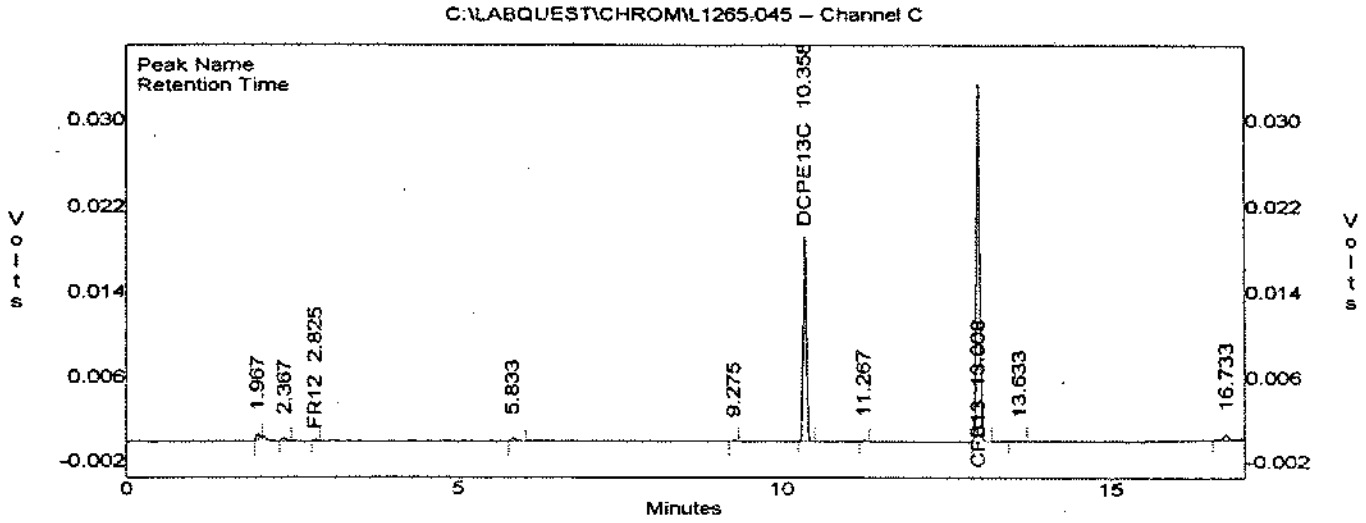
C:\LABQUEST\CHROM\L1265.045 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.567	1735	0.000	0
2	VC	2.067	773	~~0.703~~ PS	0
3	DCE11	4.033	823	~~0.286~~	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
4	DCPE13C	9.575	181301	917.472	0
5		9.758	1399	0.000	0
--	TOL	10.050	0	0.000	0
6	PCE	10.833	744	0.242	0
7	CFB13	11.783	547236	926.589	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
8		14.942	8513	0.000	0
9		15.975	1183	0.000	0
10		16.250	7757	0.000	0
Totals :			751466	1845.372	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.045
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-36-5
Acquired : Dec 20, 1995 15:31:07
Printed : Dec 20, 1995 15:48:31
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2218	0.000	0
2		2.367	1347	0.000	0
3	FR12	2.825	574	~~1.110~~ Not	0
--	VC	3.640	0	0.000 on	0
--	CLET	4.450	0	0.000 Hall	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.833	1813	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.275	565	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.358	66086	1002.708	0
--	TCA112	11.110	0	0.000	0
7		11.267	623	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.008	121323	1003.976	0
--	PCA1112	13.490	0	0.000	0
9		13.633	643	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.733	4086	0.000	0

Totals :

	199280	2007.794

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 6 S

Sample I.D.: SV-31-5

Probe Depth (ft): 5

Time Sampled: 1548

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 72

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-20-95 Time: 1550

Time Injected: 1550 Loop #: manual

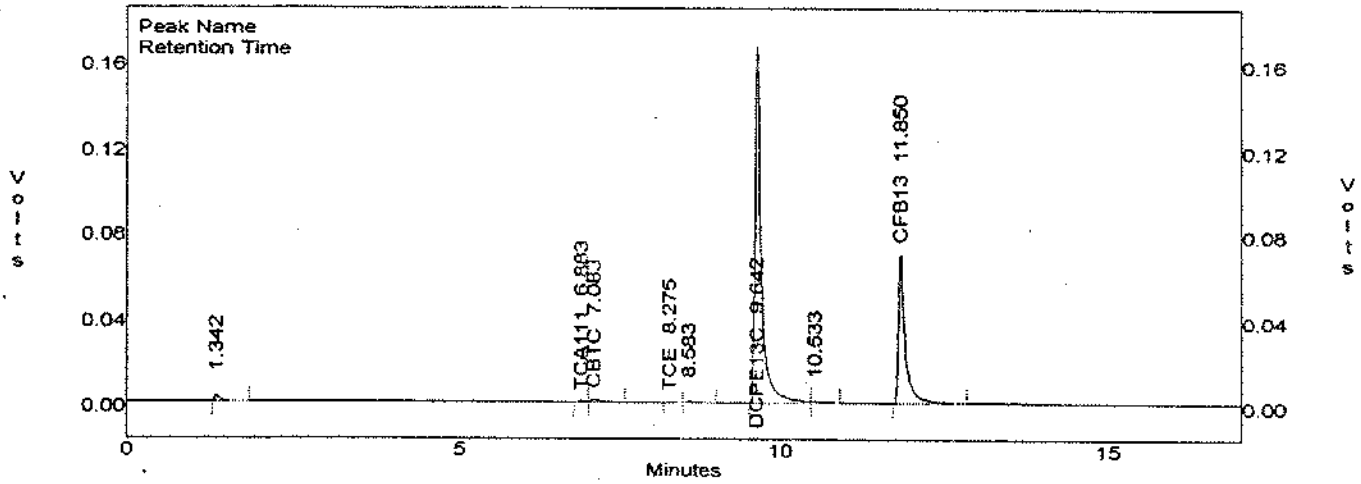
Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	~~<1~~ PS 1.0 ✓		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 95 88 % PID: 92 93 % FID: 101 101 %

BGPAA 0326

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.046
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-31-5
Acquired : Dec 20, 1995 15:55:02
Printed : Dec 20, 1995 16:12:23
User : PAS

C:\LABQUEST\CHROM\L1265.046 -- Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	17087	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.883	4183	0.401	0
3	CBTC	7.083	12673	~~1.036~~	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.275	2593	0.245	0
5		8.583	6373	0.000	0
6	DCPE13C	9.642	1128260	953.570	0
7		10.533	7229	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
8	CFB13	11.850	503779	882.372	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

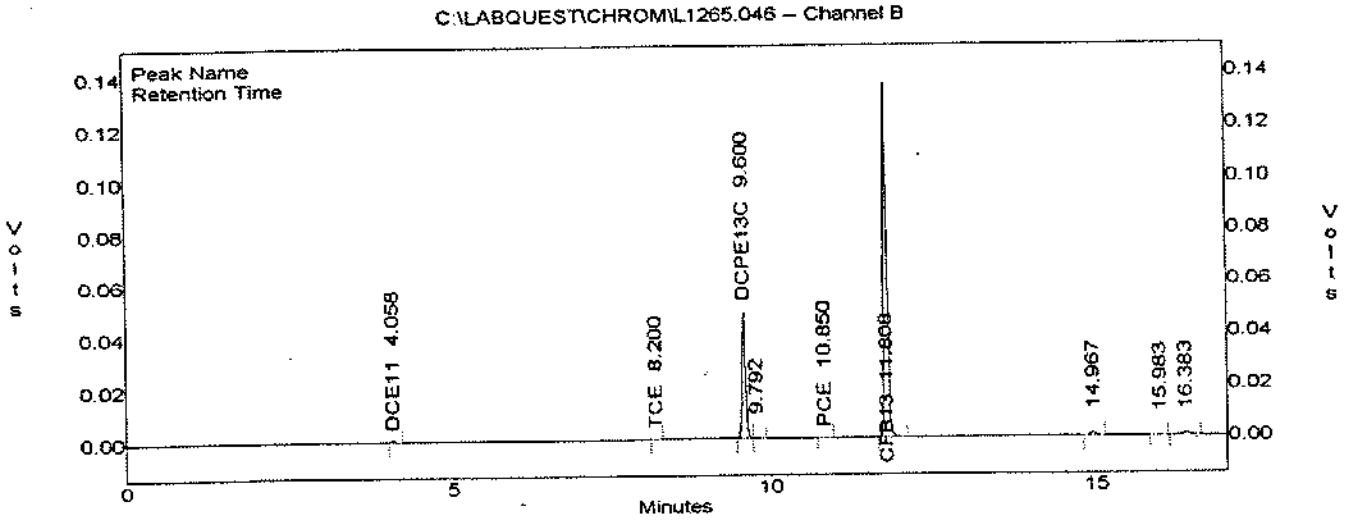
can't OK confirm on F10 12-21-95 PS

Totals :

	1682180	1837.624

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.046
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-31-5
Acquired : Dec 20, 1995 15:55:02
Printed : Dec 20, 1995 16:12:27
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.058	2409	~~0.836~~ Not	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.200	604	0.160	0
3	DCPE13C	9.600	181157	916.744	0
4		9.792	1542	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.850	845	0.275	0
6	CFB13	11.808	549740	930.828	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.967	8850	0.000	0
8		15.983	1283	0.000	0
9		16.383	7841	0.000	0
Totals :			754274	1848.844	

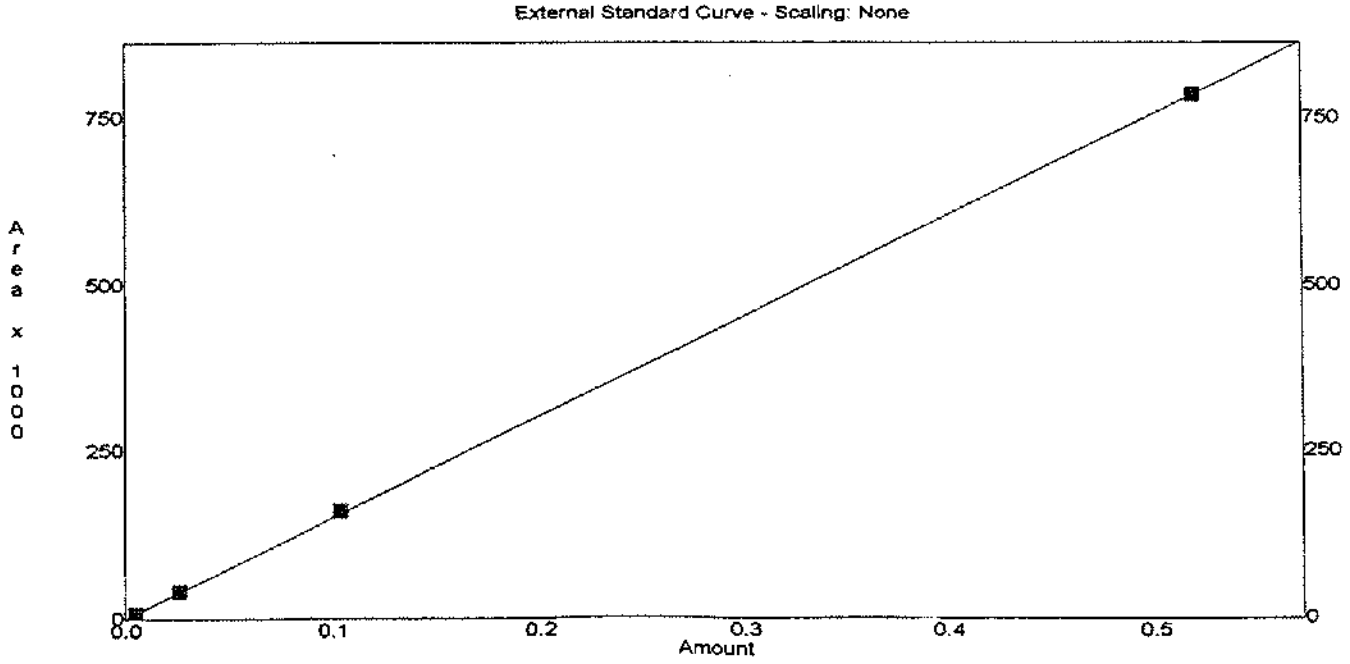
ethod : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
rinted : Dec 20, 1995 09:27:25
Channel : C
Peak : BNZ

evel	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	7259	0.00519	7.15e-007	7259					0	0
2	41172	0.026	6.315e-007	41172					0	0
3	161202	0.1038	6.439e-007	161202					0	0
4	783851	0.519	6.621e-007	783851					0	0

erage RF: 6.63128e-007
F StdDev: 3.6792e-008
F %RSD: 5.54824

Definition: Amount / Area
eighting Method: None
Fit Through Zero: Yes

near Fit: Amount = 6.613e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:26
Channel : C
Peak : CBTC

* - Replicate Not Used

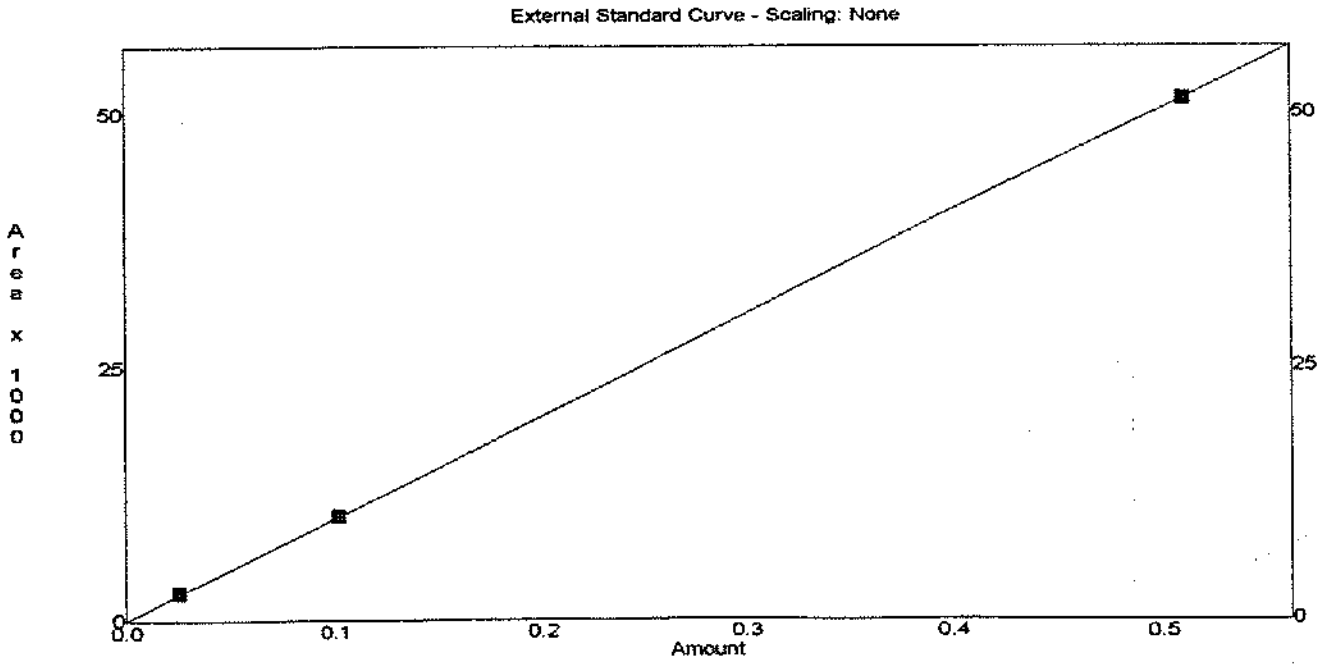
Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
2	2698	0.0255	9.451e-006	2698					0	0
3	10346	0.102	9.859e-006	10346					0	0
4	51445	0.51	9.913e-006	51445					0	0

Average RF: 9.74125e-006
RF StdDev: 2.52459e-007
RF %RSD: 2.59164

Del Hall

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 9.910e-006 x Area + 0.000e+000
R^2 = 1.0000



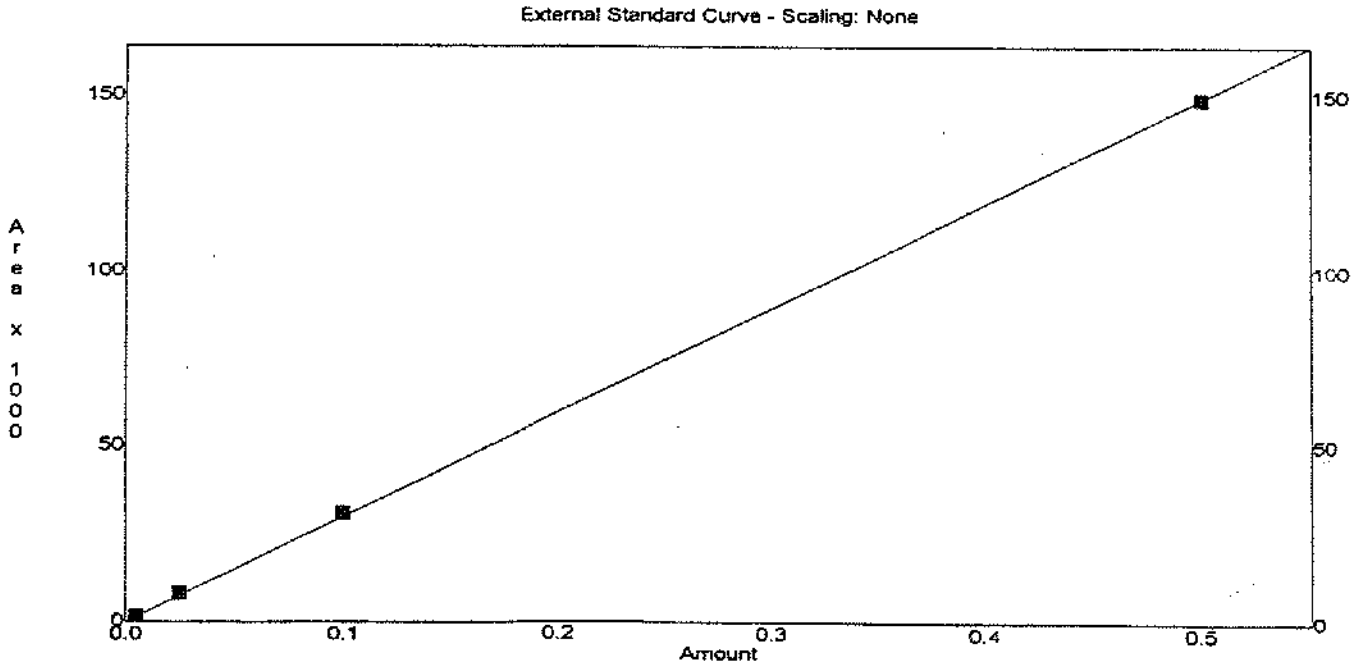
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:27:28
Channel : C
Peak : TCE

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1333	0.00501	3.758e-006	1333					0	0
2	7920	0.0251	3.169e-006	7920					0	0
3	30674	0.1002	3.267e-006	30674					0	0
4	149166	0.501	3.359e-006	149166					0	0

Average RF: 3.38827e-006
RF StdDev: 2.58612e-007
RF %RSD: 7.63258

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.354e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:29
Channel : C
Peak : DCPE13C

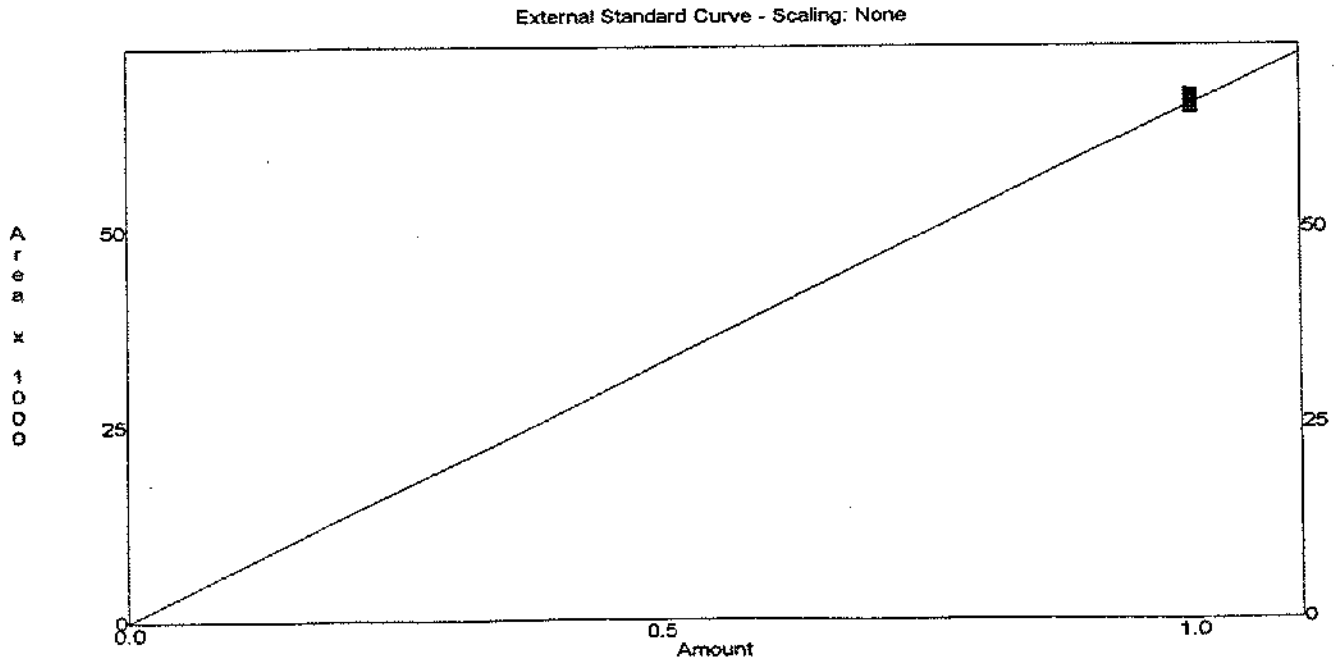
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	65391	1	1.529e-005	65391					0	
2	65528	1	1.526e-005	65528					0	
3	65719	1	1.522e-005	65719					0	
4	66972	1	1.493e-005	66972					0	0

Average RF: 1.51754e-005
RF StdDev: 1.65473e-007
RF %RSD: 1.0904

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.517e-005 x Area + 0.000e+000
R^2 = 0.0000



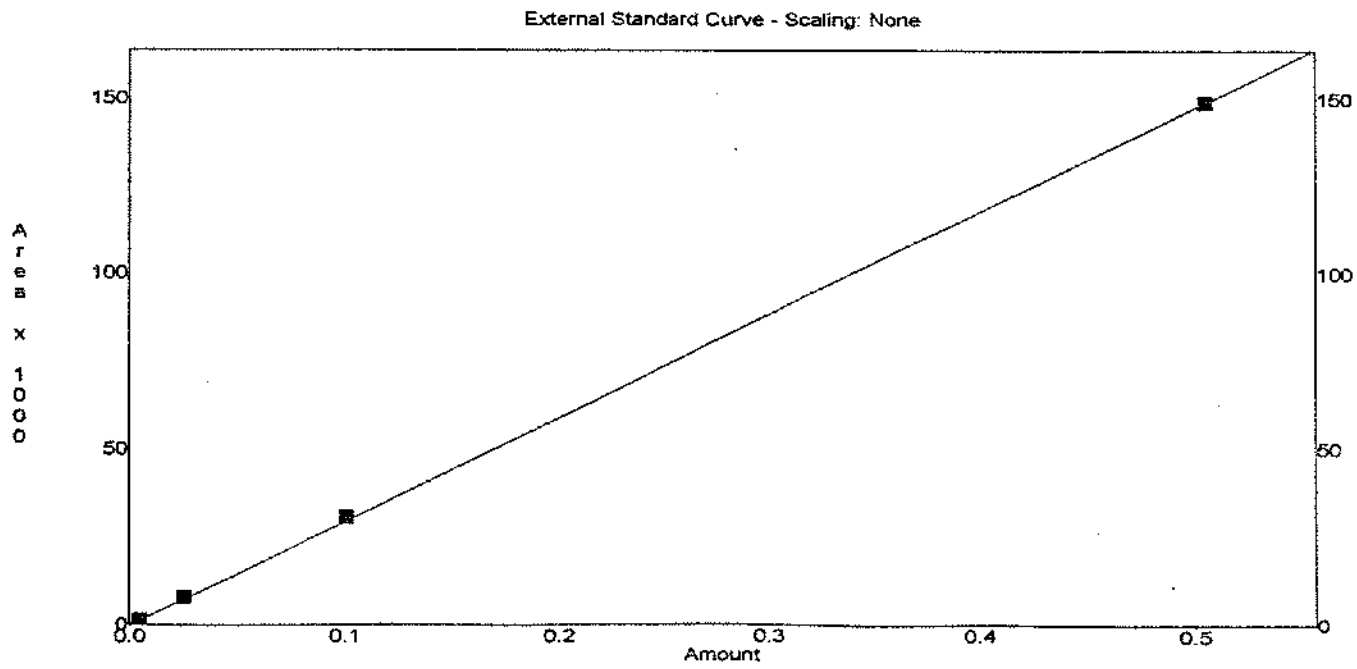
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:27:30
Channel : C
Peak : TCA112

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1447	0.00505	3.491e-006	1447					0	0
2	7966	0.0253	3.176e-006	7966					0	0
3	30882	0.101	3.27e-006	30882					0	0
4	149059	0.505	3.388e-006	149059					0	0

Average RF: 3.33128e-006
RF StdDev: 1.3705e-007
RF %RSD: 4.11403

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.383e-006 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:31
Channel : C
Peak : TOL

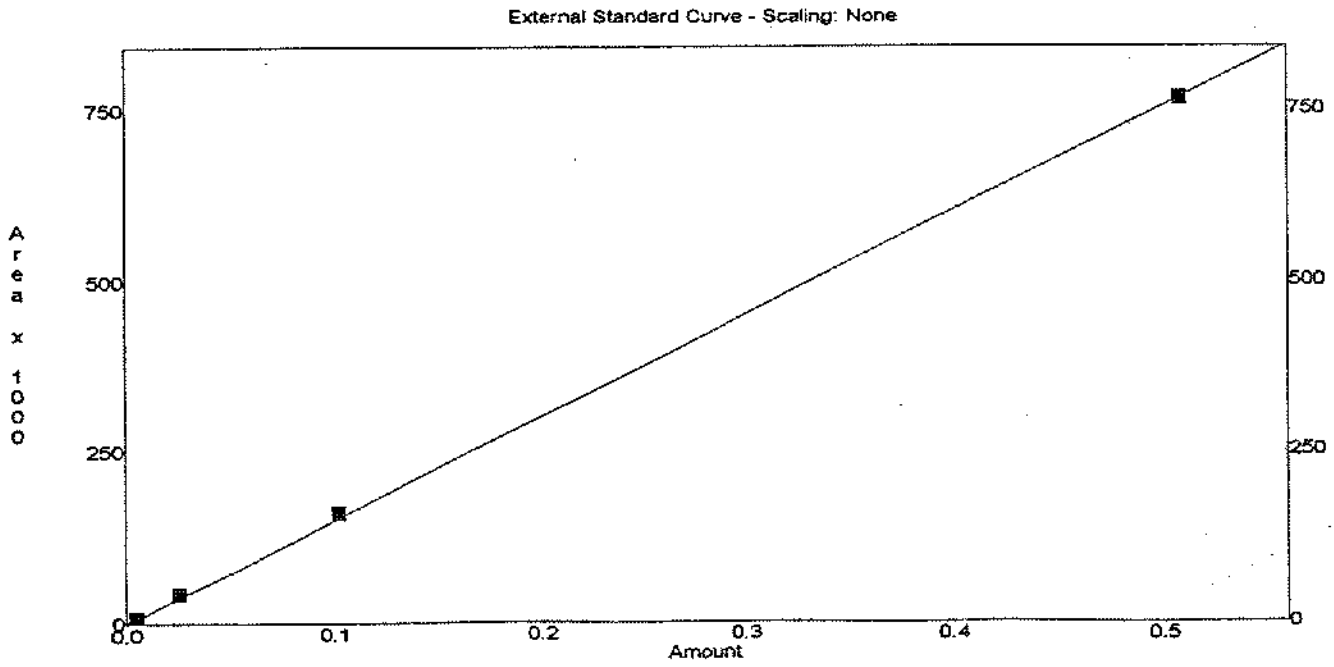
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	6934	0.00508	7.327e-007	6934					0	0
2	41395	0.0254	6.136e-007	41395					0	0
3	160581	0.102	6.352e-007	160581					0	0
4	766235	0.508	6.63e-007	766235					0	0

Average RF: 6.61107e-007
RF StdDev: 5.18038e-008
RF %RSD: 7.83592

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 6.617e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\L1265_2.MET

Printed : Dec 20, 1995 09:27:32

Channel : C

Peak : PCE

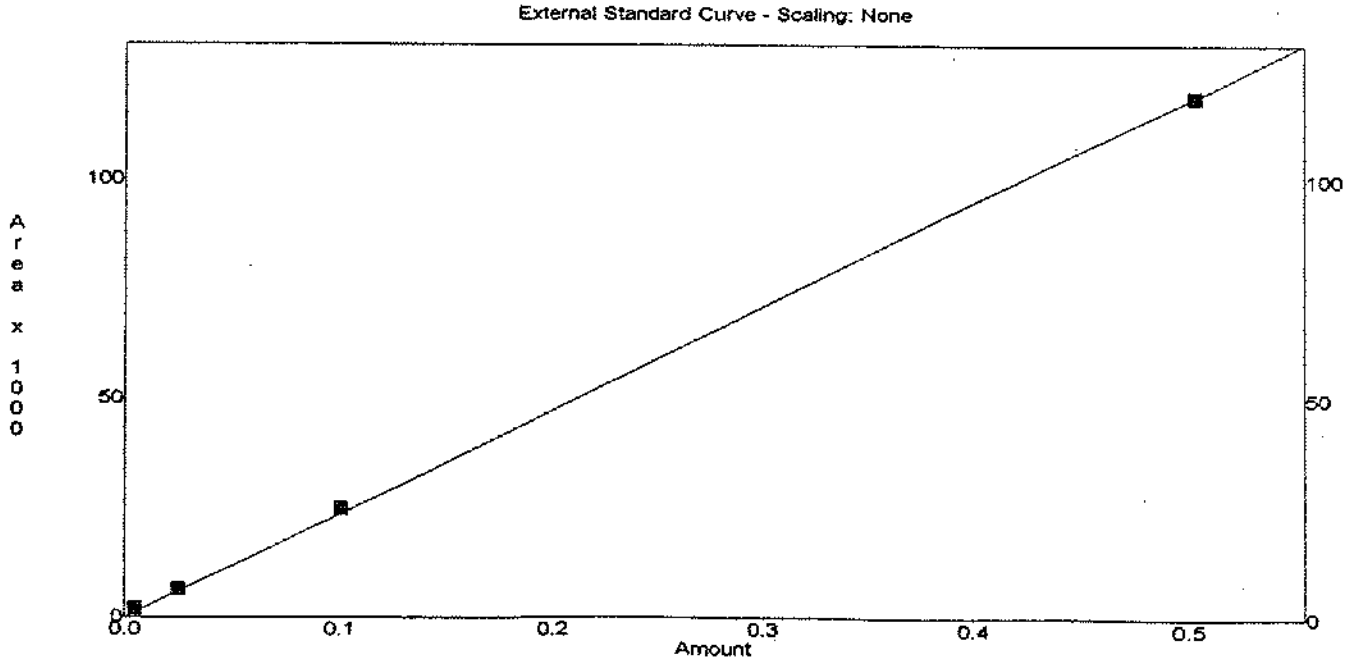
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1777	0.00503	2.831e-006	1777					0	0
2	6391	0.0252	3.943e-006	6391					0	0
3	24960	0.1006	4.03e-006	24960					0	0
4	119351	0.503	4.214e-006	119351					0	0

Average RF: 3.7548e-006
RF StdDev: 6.25912e-007
RF %RSD: 16.6696

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 4.206e-006 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:34
Channel : C
Peak : CFB13

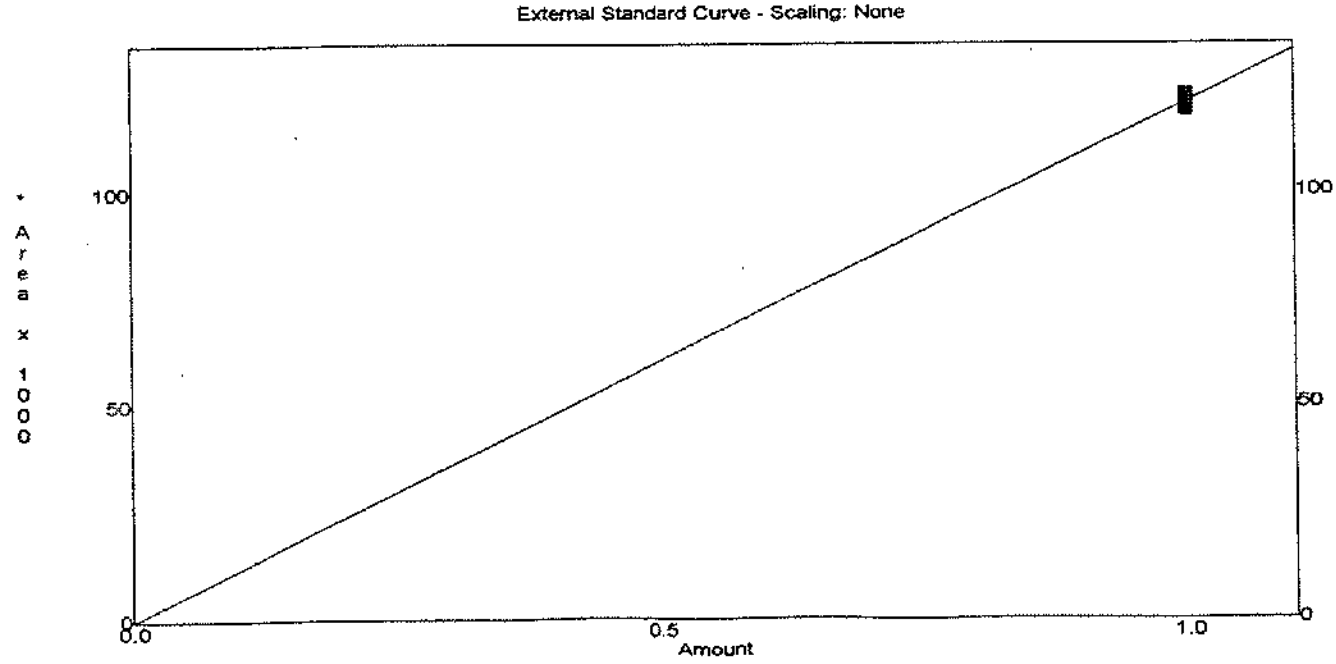
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	121651	1	8.22e-006	121651					0	0
2	120053	1	8.33e-006	120053					0	0
3	119155	1	8.392e-006	119155					0	0
4	122459	1	8.166e-006	122459					0	0

Average RF: 8.2771e-006
RF StdDev: 1.02684e-007
RF %RSD: 1.24058

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 8.275e-006 x Area + 0.000e+000
R^2 = 0.0000



Method : C:\LABQUEST\METHODS\L1265_2.MET

Printed : Dec 20, 1995 09:27:35

Channel : C

Peak : PCA1112

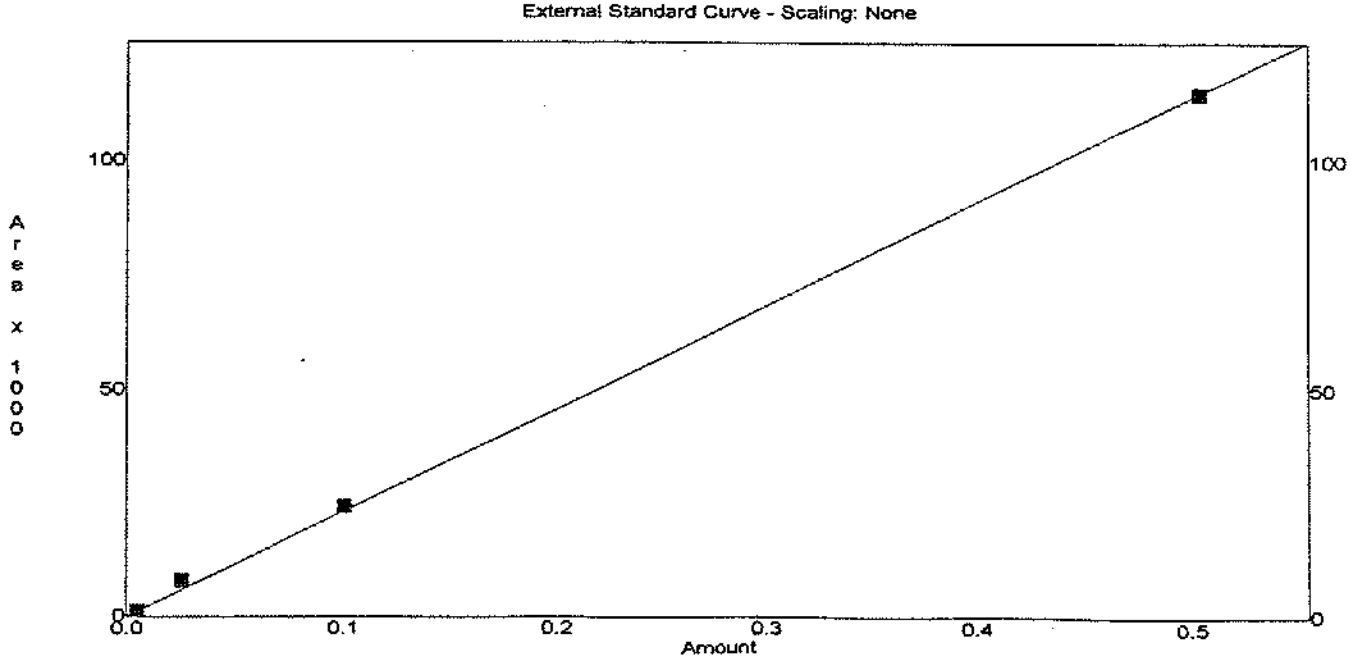
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1093	0.00504	4.61e-006	1093					0	0
2	7829	0.0252	3.219e-006	7829					0	0
3	23885	0.1008	4.22e-006	23885					0	0
4	114959	0.504	4.384e-006	114959					0	0

Average RF: 4.10834e-006
RF StdDev: 6.14183e-007
RF %RSD: 14.9497

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 4.372e-006 x Area + 0.000e+000
R^2 = 0.9994



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:36
Channel : C
Peak : PCA1122+EB

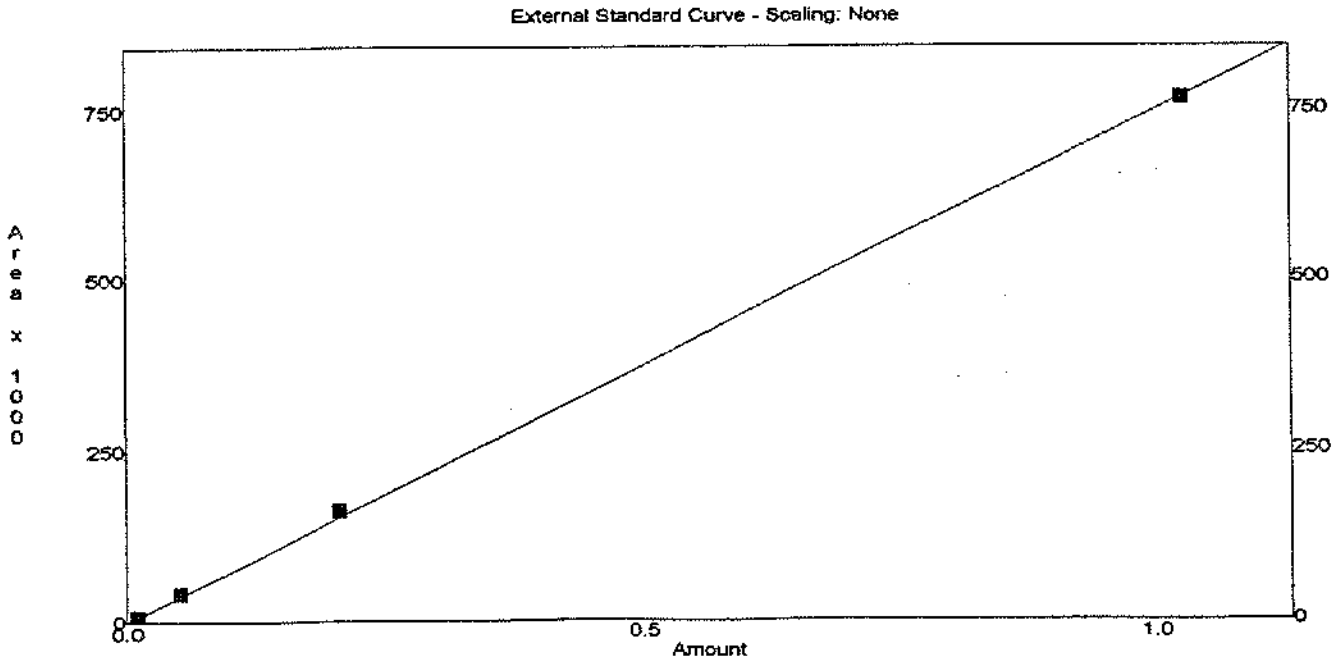
* - Replicate Not Used

Level	Area *	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	7172	0.01027	1.432e-006	7172					0	0
2	42082	0.05135	1.22e-006	42082					0	0
3	162285	0.2054	1.266e-006	162285					0	0
4	766863	1.027	1.339e-006	766863					0	0

Average RF: 1.31429e-006
RF StdDev: 9.25425e-008
RF %RSD: 7.04126

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 1.336e-006 x Area + 0.000e+000
R^2 = 0.9998



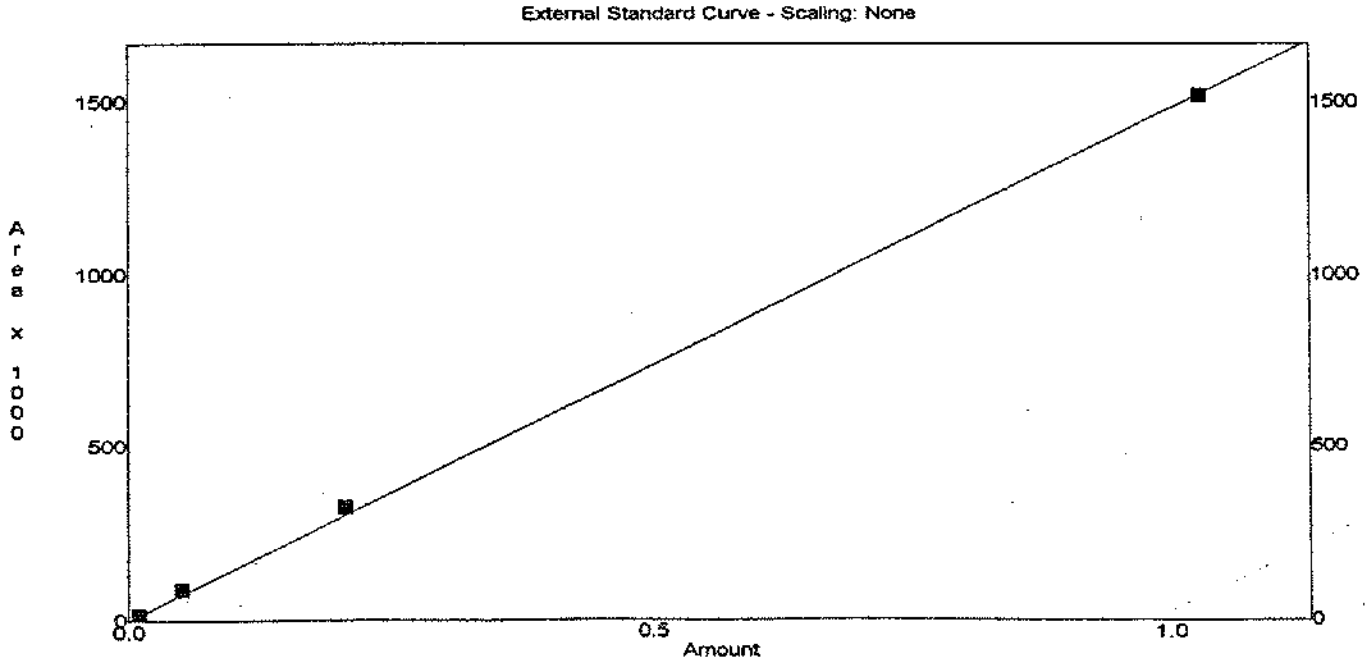
Method : C:\LABQUEST\METHODS\L1265_2.MET * - Replicate Not Used
Printed : Dec 20, 1995 09:27:37
Channel : C
Peak : XYLMP

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	14450	0.01028	7.114e-007	14450					0	0
2	86573	0.0514	5.937e-007	86573					0	0
3	325641	0.2056	6.314e-007	325641					0	0
4	1518246	1.028	6.771e-007	1518246					0	0

Average RF: 6.53407e-007
RF StdDev: 5.1568e-008
RF %RSD: 7.89216

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 6.748e-007 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\L1265_2.MET
Printed : Dec 20, 1995 09:27:38
Channel : C
Peak : XYLO

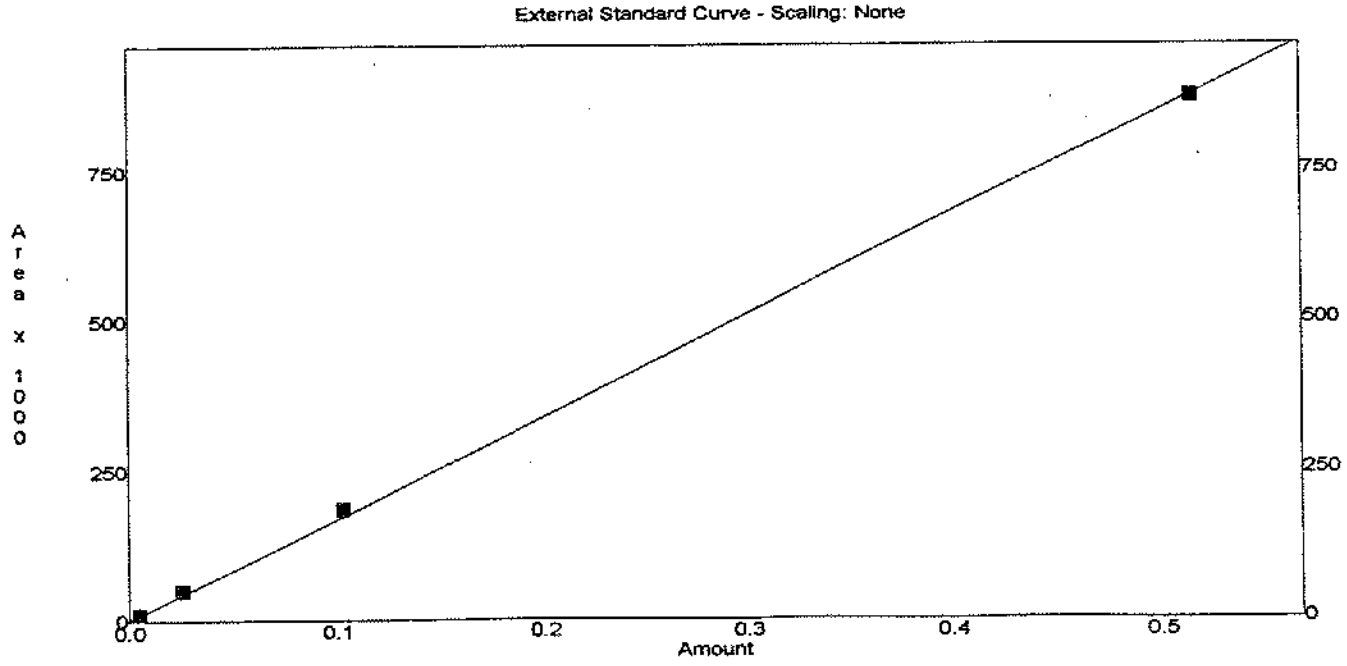
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	8599	0.00515	5.989e-007	8599					0	
2	48885	0.0258	5.278e-007	48885					0	
3	187526	0.103	5.493e-007	187526					0	0
4	873025	0.515	5.899e-007	873025					0	0

Average RF: 5.66463e-007
RF StdDev: 3.36468e-008
RF %RSD: 5.93981

RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 5.879e-007 x Area + 0.000e+000
R^2 = 0.9996



HYDRO GEO CHEM, INC.

LCS Results
Project #: L1265
Fugro/Burbank

Date Analyzed: 12-20-95
Time Analyzed: 07:21
Labquest File #: L1265.028
Standard Used: CAL9517
Volume used: 1000ul

Compound Name	Detector	Retention Time	Mass Injected	Area	Rf	Rf (IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.69	0.113	829503	1.4E-07	1.4E-07	3	+/- 25	
Vinyl Chloride	ELCD	2.17	0.116	920795	1.3E-07	1.3E-07	3	+/- 25	
Chloroethane	ELCD	2.85	0.12	865685	1.4E-07	1.5E-07	8	+/- 25	
Trichlorofluoromethane	ELCD	3.23	0.104	1115714	9.3E-08	8.3E-08	-12	+/- 25	
Dichloromethane	ELCD	4.6	0.0985	986257	1E-07	1E-07	0	+/- 15	
trans-1,2-Dichloroethene	ELCD	3.94	0.099	1049335	9.4E-08	9.4E-08	-0	+/- 15	
1,1-Dichloroethane	ELCD	4.93	0.0996	997149	1E-07	9.4E-08	-6	+/- 15	
cis-1,2-Dichloroethene	ELCD	5.48	0.1	903010	1.1E-07	1E-07	-11	+/- 15	
Chloroform	ELCD	6.22	0.0995	935110	1.1E-07	8.8E-08	-21	+/- 15	See FID data
Chloroform	FID	6.65	0.0995	11323	8.8E-06	8.2E-06	-7	+/- 15	
1,1,1-Trichloroethane	ELCD	6.62	0.0985	1035986	9.5E-08	8.6E-08	-11	+/- 15	
Carbon Tetrachloride	ELCD	7.03	0.102	1367082	7.5E-08	7.1E-08	-5	+/- 15	
1,2-Dichloroethane	ELCD	7.37	0.1	1132822	8.8E-08	8.6E-08	-3	+/- 15	
Trichloroethene	ELCD	8.21	0.0994	1198145	8.3E-08	8.2E-08	-1	+/- 15	
1,1,2-Trichloroethane	FID	11.09	0.1	28167	3.6E-06	3.3E-06	-7	+/- 15	
Tetrachloroethene	ELCD	10.91	0.1	1403037	7.1E-08	6.6E-08	-8	+/- 15	
1112 tetrachloroethane	ELCD	12.48	0.0994	1089027	9.1E-08	8.2E-08	-11	+/- 15	
1122 tetrachloroethane	ELCD	14.7	0.102	1017055	1E-07	9E-08	-11	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.94	0.2034	1674752	1.2E-07	1.1E-07	-10	+/- 15	
Benzene	PID	7.28	0.104	635805	1.6E-07	1.6E-07	-2	+/- 15	
Toluene	FID	10.04	0.104	145225	7.2E-07	6.6E-07	-9	+/- 15	
Ethyl Benzene	PID	12.49	0.102	510652	2E-07	1.8E-07	-11	+/- 15	
m/p-Xylene	PID	12.7	0.207	1300519	1.6E-07	1.5E-07	-6	+/- 15	
o-Xylene	FID	14.82	0.102	165940	6.1E-07	5.7E-07	-9	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.41	0.0996	15374	6.5E-06	5.9E-06	-10	+/- 25	

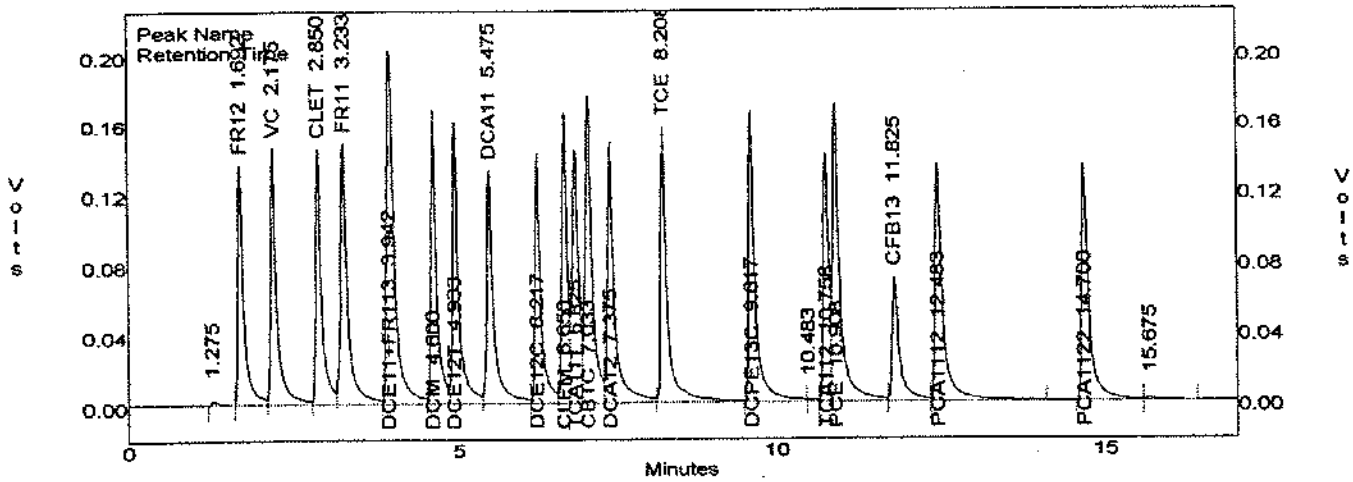
BGPAA 0341

Preliminary Data

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.028
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 20, 1995 07:21:07
Printed : Dec 20, 1995 10:07:54
User : PAS

Reprocessed against new calibration curve

C:\LABQUEST\CHROM\L1265.028 -- Channel A

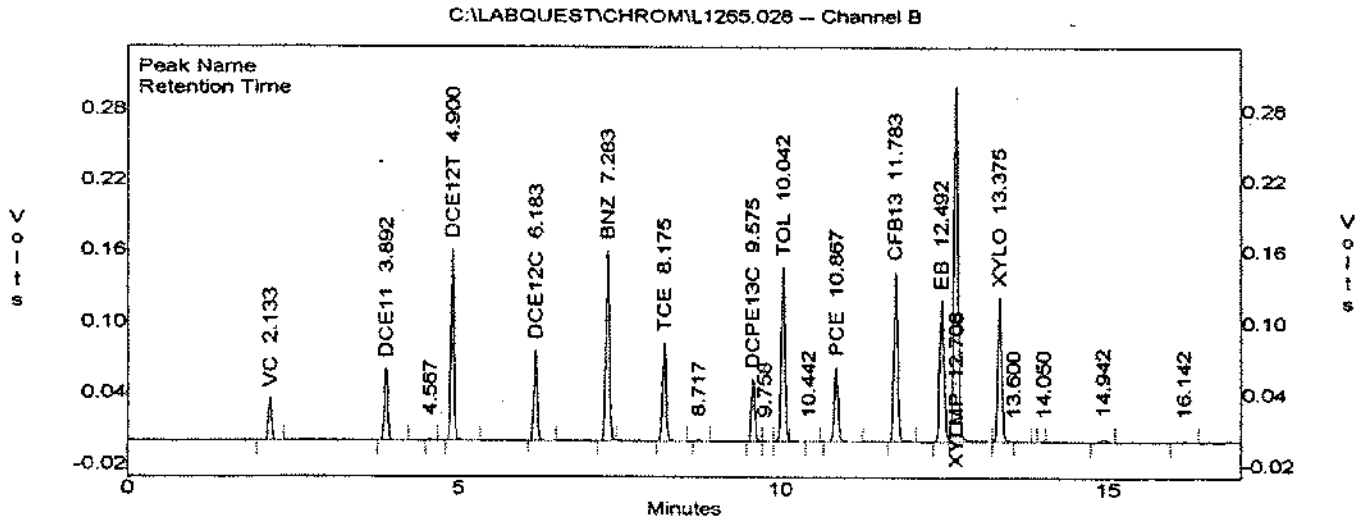


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.275	20404	0.000	0
2	FR12	1.692	829503	0.116	0
3	VC	2.175	920795	0.133	0
4	CLET	2.850	865685	0.136	0
5	FR11	3.233	1115714	0.102	0
6	DCE11+FR113	3.942	1674752	0.231	0
7	DCM	4.600	986257	0.106	0
8	DCE12T	4.933	1049335	0.110	0
9	DCA11	5.475	997149	0.097	0
10	DCE12C	6.217	903010	0.100	0
11	CLFM	6.650	~~927298~~ 935110	~~0.080~~	0
12	TCA111	6.825	1035986	0.099	0
13	CBTC	7.033	1367082	0.112	0
14	DCA12	7.375	1132822	0.111	0
15	TCE	8.208	1198145	0.113	0
16	DCPE13C	9.617	1158926	0.979	0
17		10.483	11909	0.000	0
18	TCA112	10.758	794478	~~0.043~~	~~0~~ see FID for 112 tco
19	PCE	10.908	1403037		0
20	CFB13	11.825	539735	0.945	0
21	PCA1112	12.483	1089027	0.101	0
22	PCA1122	14.700	1017055	0.102	0
23		15.675	23575	0.000	0
Totals :			21061686	3.911	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

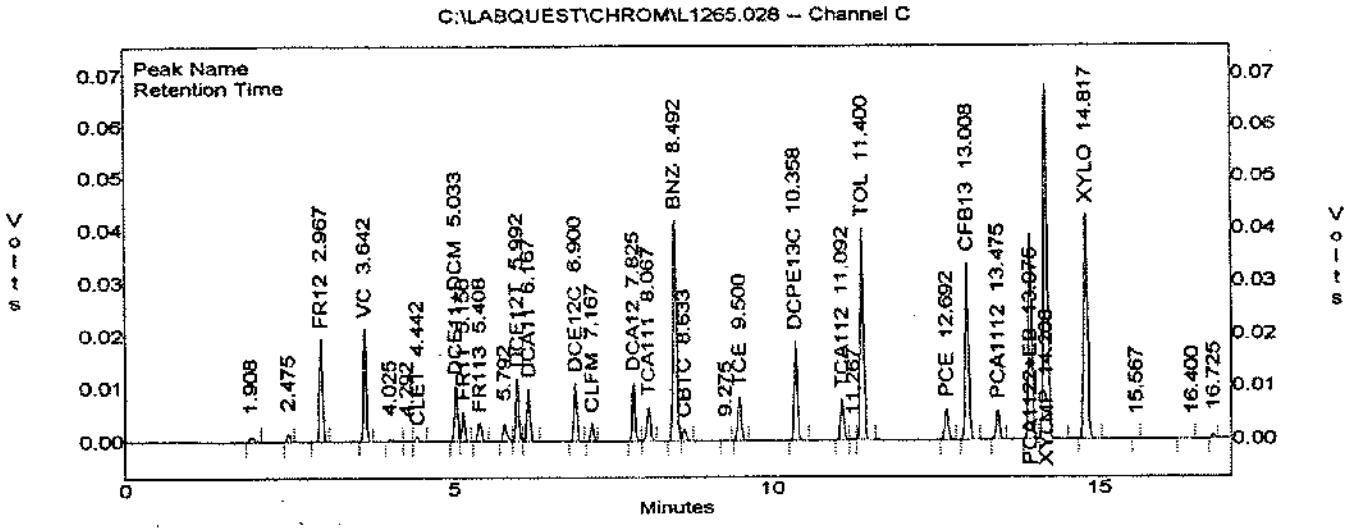
File : C:\LABQUEST\CHROM\L1265.028
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 20, 1995 07:21:07
Printed : Dec 20, 1995 10:07:59
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.133	121092	0.123	0
2	DCE11	3.892	220883	0.077	0
3		4.567	4457	0.000	0
4	DCE12T	4.900	524657	0.088	0
5	DCE12C	6.183	274526	0.083	0
6	BNZ	7.283	635805	0.096	0
7	TCE	8.175	326906	0.087	0
8		8.717	5113	0.000	0
9	DCPE13C	9.575	196347	0.994	0
10		9.758	1619	0.000	0
11	TOL	10.042	597102	0.108	0
12		10.442	966	0.000	0
13	PCE	10.867	266385	0.087	0
14	CFB13	11.783	580141	0.982	0
15	EB	12.492	510652	0.091	0
16	XYLMP	12.708	1300519	0.223	0
17	XYLO	13.375	521520	0.091	0
18		13.600	2305	0.000	0
19		14.050	3486	0.000	0
20		14.942	14651	0.000	0
21		16.142	6370	0.000	0
Totals :			6115510	3.128	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.028
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 20, 1995 07:21:07
Printed : Dec 20, 1995 10:08:01
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.908	4434	0.000	0
2		2.475	5388	0.000	0
3	FR12	2.967	66854	0.129	0
4	VC	3.642	68385	0.135	0
5		4.025	3600	0.000	0
6		4.292	913	0.000	0
7	CLET	4.442	3490	0.086	0
8	DCE11+DCM	5.033	34838	0.172	0
9	FR11	5.150	17243	0.086	0
10	FR113	5.408	15374	0.083	0
11		5.792	13603	0.000	0
12	DCE12T	5.992	37239	0.093	0
13	DCA11	6.167	35664	0.088	0
14	DCE12C	6.900	36192	0.089	0
15	CLFM	7.167	11323	0.088	0
16	DCA12	7.825	37203	0.093	0
17	TCA111	8.067	26095	0.086	0
18	BNZ	8.492	146601	0.097	0
19	CBTC	8.633	9115	0.090	0
20		9.275	530	0.000	0
21	TCE	9.500	29552	0.099	0
22	DCPE13C	10.358	65667	0.996	0
23	TCA112	11.092	28167	0.095	0
24		11.267	576	0.000	0
25	TOL	11.400	145225	0.096	0
26	PCE	12.692	22214	0.093	0
27	CFB13	13.008	120474	0.997	0
28	PCA1112	13.475	21585	0.094	0
29	PCA1122+EB	13.975	142400	0.190	0
30	XYLMP	14.208	296320	0.200	0
31	XYLO	14.817	165940	0.098	0
32		15.567	529	0.000	0
33		16.400	559	0.000	0

Continued...

.ile : C:\LABQUEST\CHROM\L1265.028
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 20, 1995 07:21:07
Printed : Dec 20, 1995 10:08:03
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		16.725	2351	0.000	0
Totals :			1615657	4.375	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: FB20Dec95

Time Sampled: 1035

Date Sampled: 12-20-95

Probe Depth (ft): —

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: inside lab

Air Temp (F): 72

Ground Surface: —

Wind dir/speed: —

Sample Parameters

Probe Volume (ml): 2500

Purge Volume (liters): 7.5

Purge Time: 1 min

Notes:

Max. Purge Vacuum (in. Hg): —

Equilibrium Time: 1 sec

Sample Volume (ml): 10

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-20-95 Time: 1035

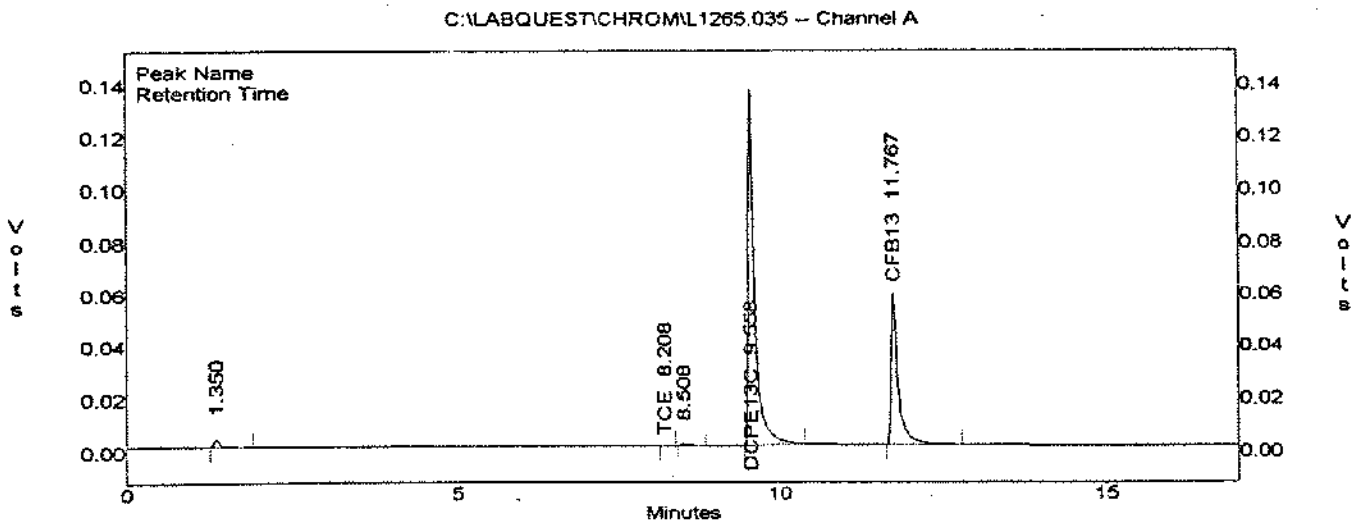
Volume Analyzed (ml): 1.0

Time Injected: 1036 Loop #: max

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 80 76 % PID: 96 95 % FID: 99 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.035
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : FB20DEC95
Acquired : Dec 20, 1995 10:36:35
Printed : Dec 20, 1995 10:53:50
User : PAS

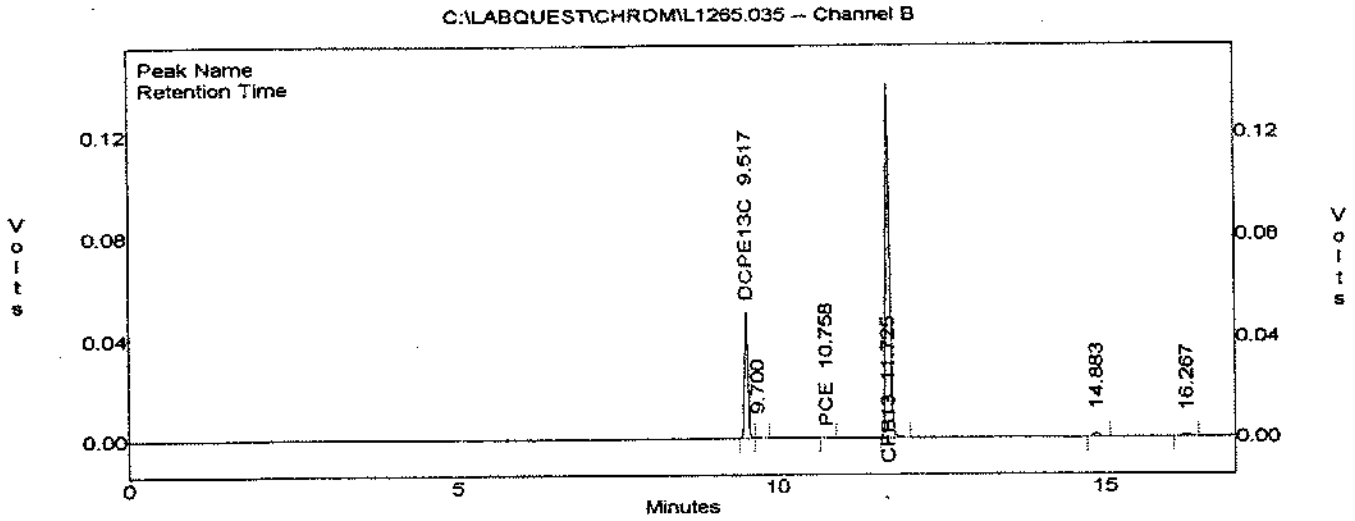


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	22475	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.208	552	0.052	0
3		8.508	4417	0.000	0
4	DCPE13C	9.558	945952	799.489	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.767	432830	758.104	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1406227	1557.646	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

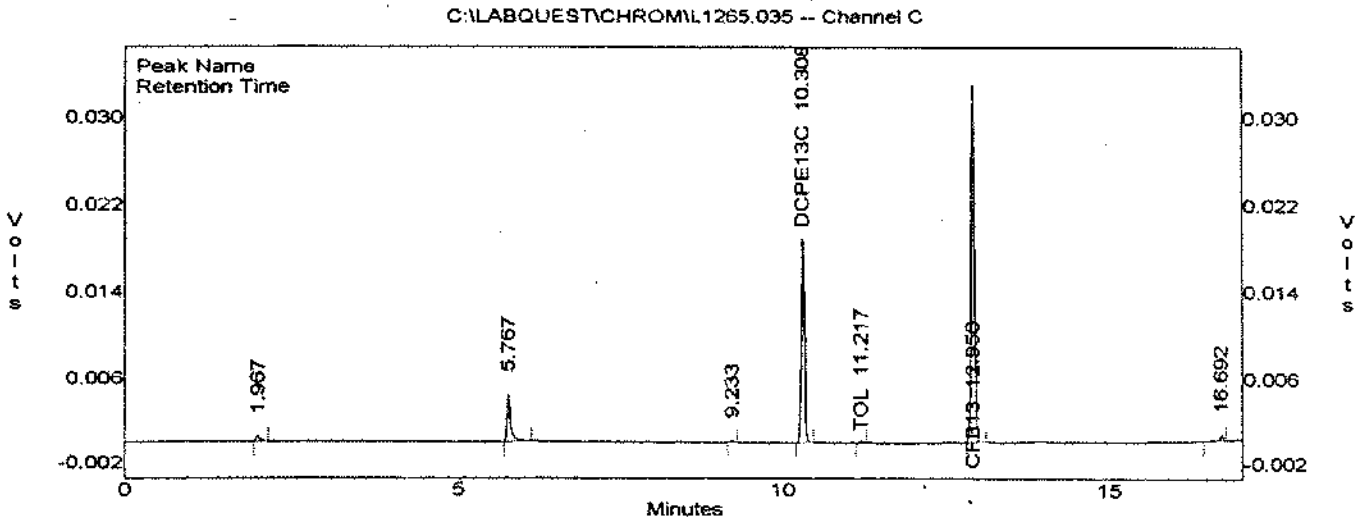
File : C:\LABQUEST\CHROM\L1265.035
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : FB20DEC95
Acquired : Dec 20, 1995 10:36:35
Printed : Dec 20, 1995 10:53:52
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.517	189430	958.608	0
2		9.700	1704	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.758	891	0.290	0
4	CFB13	11.725	563675	954.423	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		14.883	9996	0.000	0
6		16.267	5295	0.000	0
Totals :			770993	1913.321	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.035
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : FB20DEC95
Acquired : Dec 20, 1995 10:36:35
Printed : Dec 20, 1995 10:53:54
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2149	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.767	18226	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.233	501	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.308	65571	994.894	0
--	TCA112	11.110	0	0.000	0
5	TOL	11.217	570	0.377	0
--	PCE	12.710	0	0.000	0
6	CFB13	12.950	119182	986.261	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
7		16.692	1890	0.000	0

Totals :

	208091	1981.532

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 6S

Sample I.D.: SV-38-5A

Probe Depth (ft): 5

Time Sampled: 1111

Sampled by: BV

Date Sampled: 12-20-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 75

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80ml

Max. Purge Vacuum (in. Hg): 18

Purge Volume (liters): 80ml

Equilibrium Time: 1sec

Purge Time: 1sec

Sample Volume (ml): 20

Notes: Purge test

Syringe ID: a:____ b:____

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-20-95 Time: 1117

Time Injected: 1117 Loop #manual

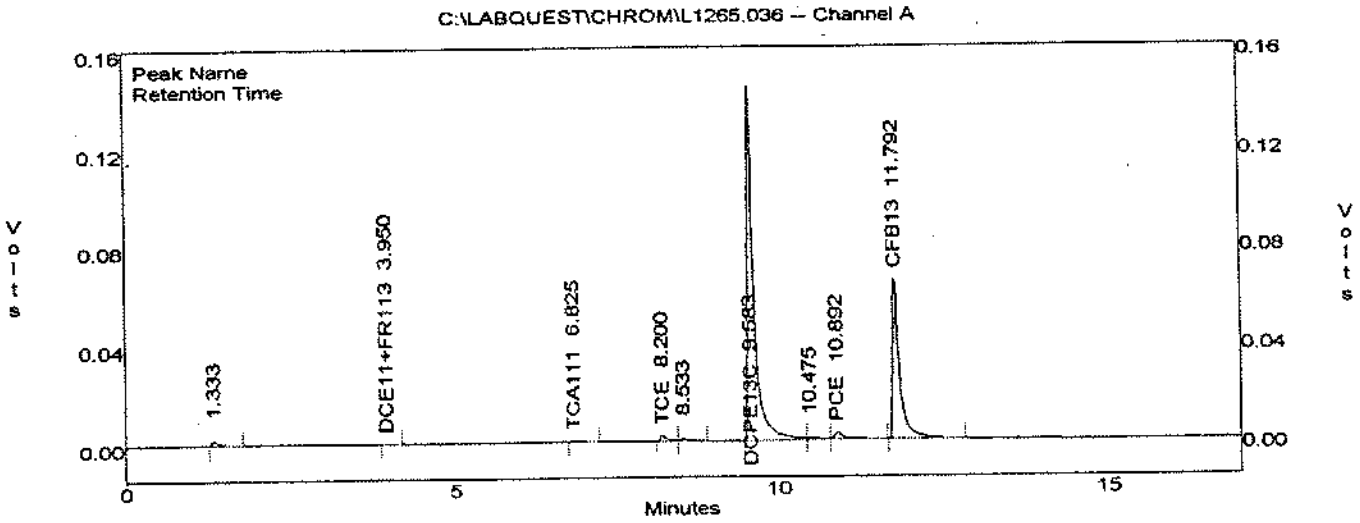
Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1	<1	Tetrachloroethene	2.10	1.75
Vinyl Chloride	<1	<1	1,1,1,2 PCA	<1	<1
Chloroethane	<1	<1	1,1,2,2 PCA	<1	<1
Freon 11	<1	<1	1,1-Dichloroethene	<1	<1
Dichloromethane	<1	<1	Benzene	<1	<1
trans-1,2-Dichloroethene	<1	<1	Toluene	<1	<1
1,1-Dichloroethane	<1	<1	Ethyl Benzene	<1	<1
cis-1,2-Dichloroethene	<1	<1	m/p-xylene	<1	<1
Chloroform	<1	<1	o-Xylene	<1	<1
1,1,1-trichloroethane	<1	<1			
Carbon Tetrachloride	<1	<1			
1,2-Dichloroethane	<1	<1	Freon 113	<1	<1
Trichloroethene	1.56	2.09			
1,1,2-Trichloroethane	<1	<1			

Surrogate Recovery ELCD: 86 83 % PID: 96 97 % FID: 100 100 %

91 89 95 96 100 100

Duplicate result not reported -
Note peak at 5.98 minutes on FID only both runs

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.036
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5A
Acquired : Dec 20, 1995 11:16:29
Printed : Dec 20, 1995 11:33:50
User : PAS

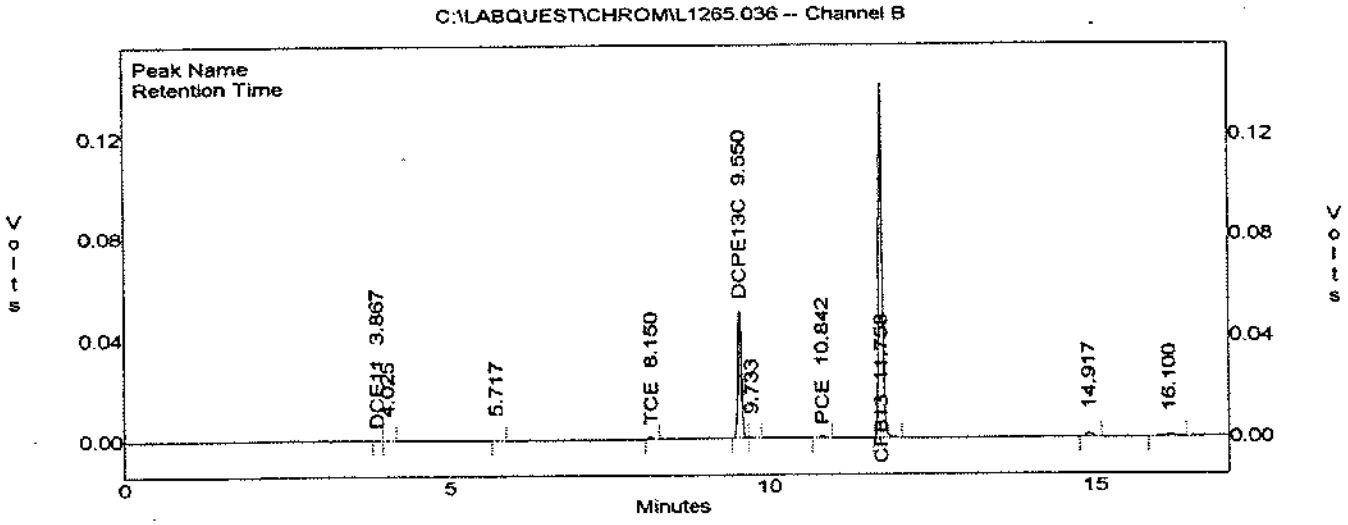


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	12393	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.950	1324	0.183	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.825	5564	0.533	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.200	16485	1.560	0
5		8.533	7337	0.000	0
6	DCPE13C	9.583	1014350	857.297	0
7		10.475	11599	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.892	31880	2.096	0
9	CFB13	11.792	473594	829.503	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1574530	1691.173	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

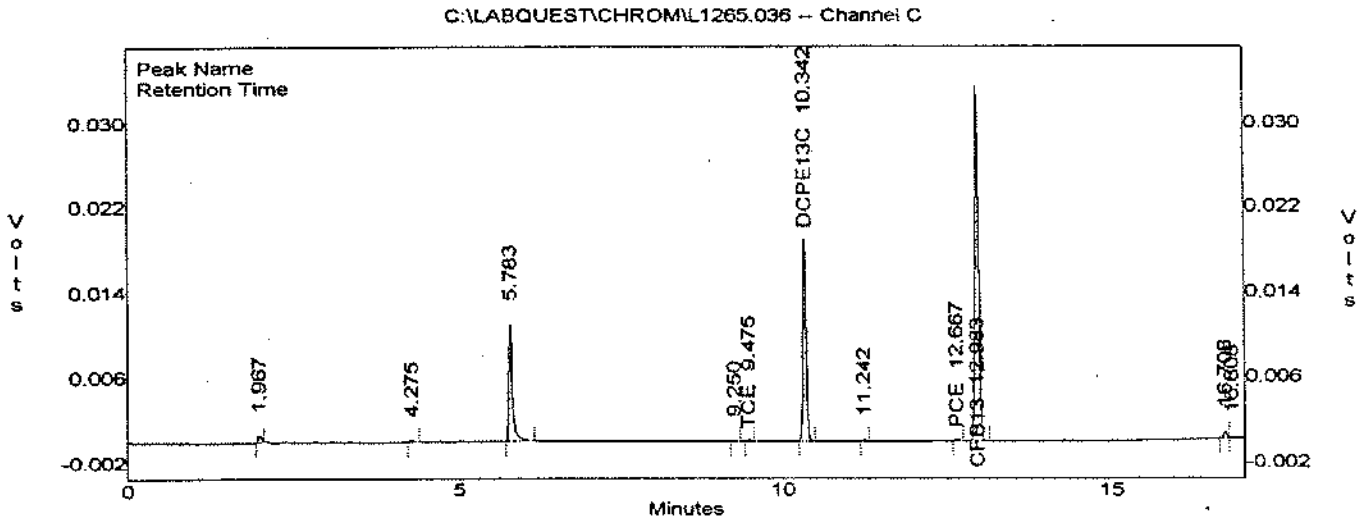
File : C:\LABQUEST\CHROM\L1265.036
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-38-5A
Acquired : Dec 20, 1995 11:16:29
Printed : Dec 20, 1995 11:33:53
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.867	1766	~~0.613~~ PS	0
2		4.025	838	0.000	0
--	DCE12T	4.910	0	0.000	0
3		5.717	740	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
4	TCE	8.150	5160	1.371 ✓	0
5	DCPE13C	9.550	189537	959.150	0
6		9.733	1634	0.000	0
--	TOL	10.050	0	0.000	0
7	PCE	10.842	5716	1.859 ✓	0
8	CFB13	11.758	570408	965.823	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
9		14.917	10478	0.000	0
10		16.100	8435	0.000	0
Totals :			794716	1928.816	

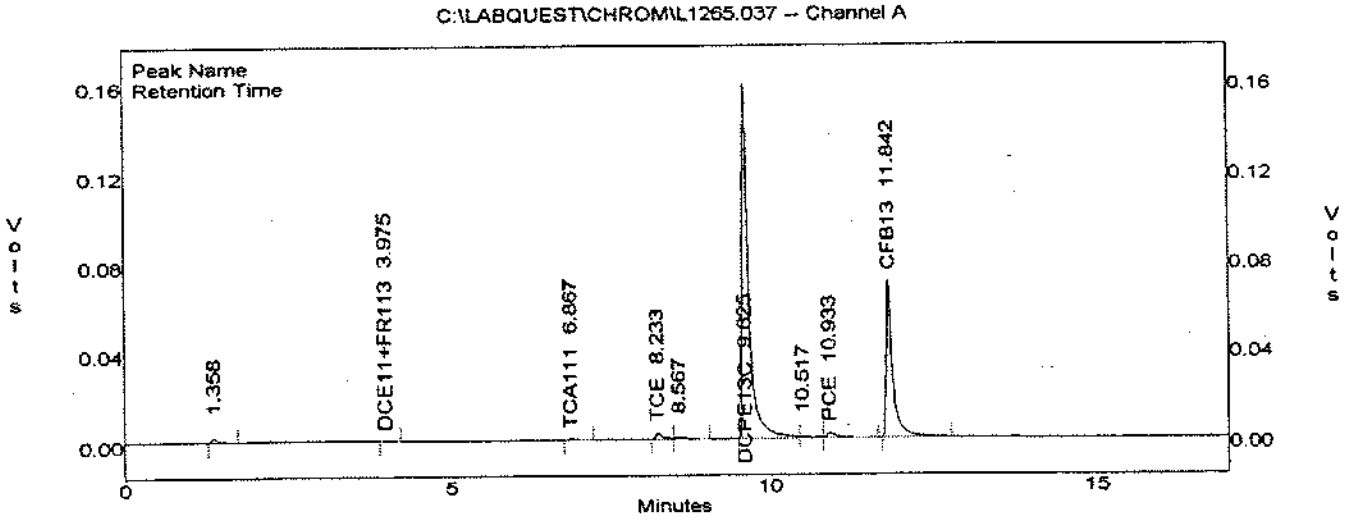
Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.036
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5A
Acquired : Dec 20, 1995 11:16:29
Printed : Dec 20, 1995 11:33:55
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2357	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
2		4.275	540	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.783	43338	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.250	585	0.000	0
5	TCE	9.475	636	2.134	0
6	DCPE13C	10.342	65983	1001.146	0
--	TCA112	11.110	0	0.000	0
7		11.242	581	0.000	0
--	TOL	11.430	0	0.000	0
8	PCE	12.667	577	2.427	0
9	CFB13	12.983	120492	997.101	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.708	2233	0.000	0
11		16.808	1537	0.000	0
Totals :			238864	2002.808	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.037
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5A
Acquired : Dec 20, 1995 11:40:04
Printed : Dec 20, 1995 11:57:27
User : PAS



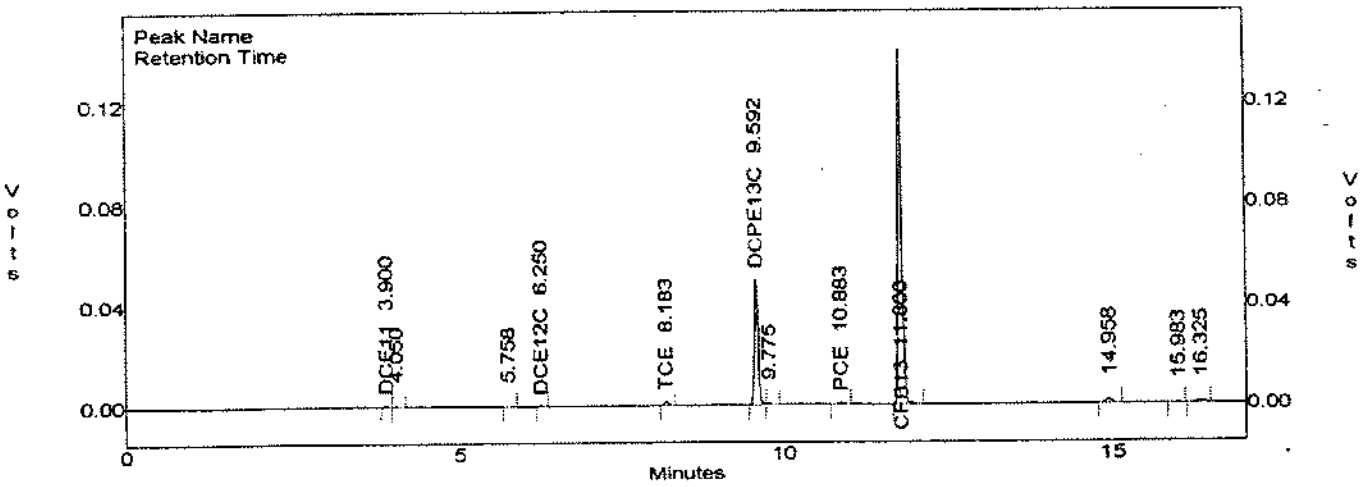
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.358	14130	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.975	1395	0.193	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.867	5835	0.559	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
4	TCE	8.233	22090	2.091	0
5		8.567	9177	0.000	0
6	DCPE13C	9.625	1078608	911.606	0
7		10.517	12682	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	10.933	26658	1.753	0
9	CFB13	11.842	505809	885.928	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1676387	1802.129	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.037
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-38-5A
Acquired : Dec 20, 1995 11:40:04
Printed : Dec 20, 1995 11:57:31
User : PAS

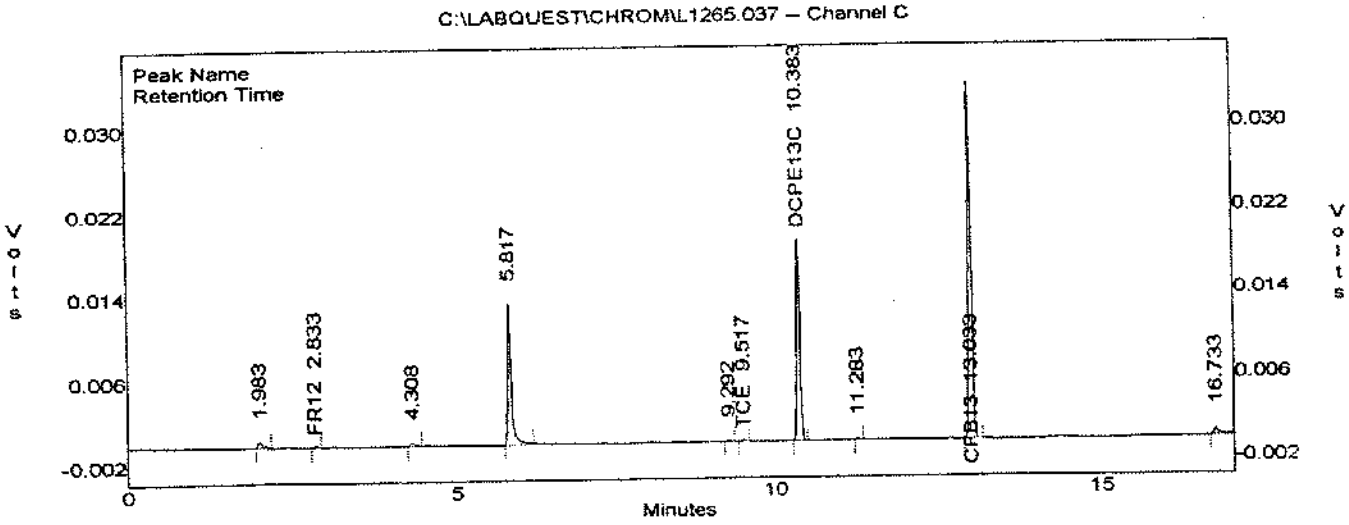
C:\LABQUEST\CHROM\L1265.037 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.900	2776	0.963	0
2		4.050	1216	0.000	0
--	DCE12T	4.910	0	0.000	0
3		5.758	664	0.000	0
4	DCE12C	6.250	828	0.250	0
--	BNZ	7.300	0	0.000	0
5	TCE	8.183	6309	1.676	0
6	DCPE13C	9.592	188632	954.570	0
7		9.775	1703	0.000	0
--	TOL	10.050	0	0.000	0
8	PCE	10.883	4524	1.471	0
9	CFB13	11.800	568331	962.307	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
10		14.958	10769	0.000	0
11		15.983	972	0.000	0
12		16.325	6299	0.000	0
Totals :			793027	1921.238	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.037
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-38-5A
Acquired : Dec 20, 1995 11:40:04
Printed : Dec 20, 1995 11:57:32
User : PAS

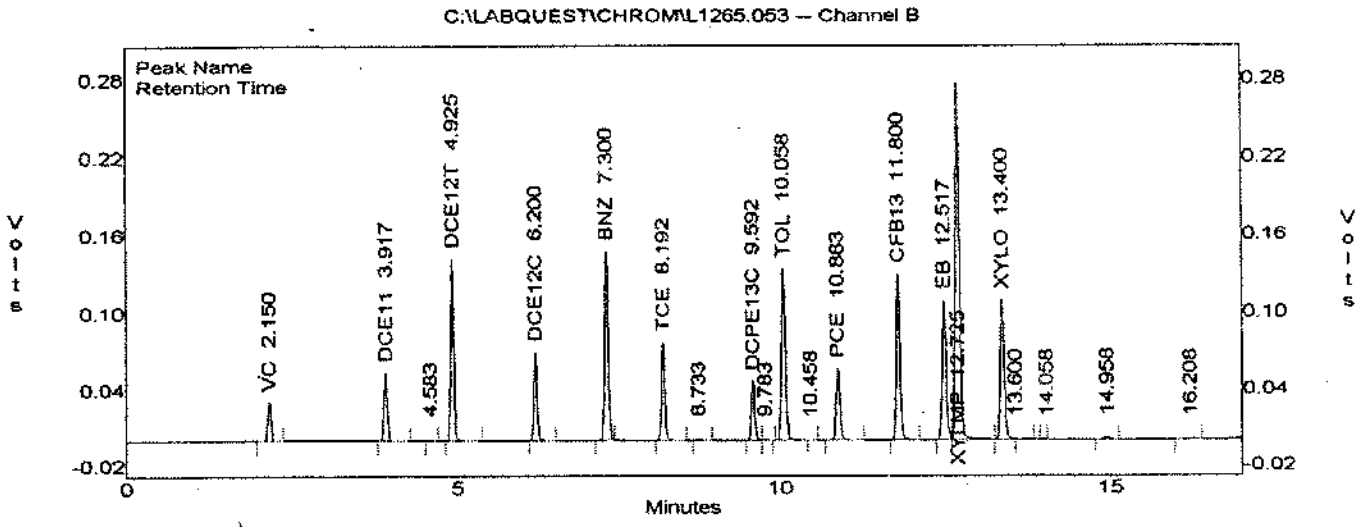


Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.983	2867	0.000	0
2	FR12	2.833	515	0.996	0
--	VC	3.640	0	0.000	0
3		4.308	1184	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.817	53183	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.292	551	0.000	0
6	TCE	9.517	742	2.490	0
7	DCPE13C	10.383	65909	1000.023	0
--	TCA112	11.110	0	0.000	0
8		11.283	536	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
9	CFB13	13.033	120663	998.510	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.733	3886	0.000	0
Totals :			250040	2002.019	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.053
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 21, 1995 07:48:50
Printed : Dec 21, 1995 08:06:18
User : PAS

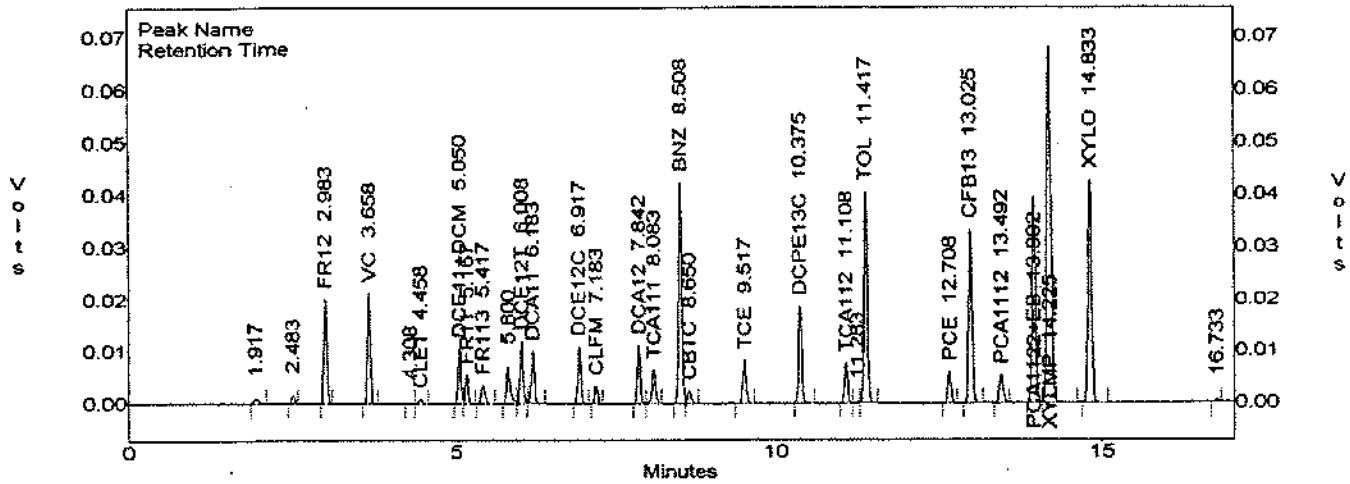


Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.150	108303	0.110	0
2	DCE11	3.917	200347	0.070	0
3		4.583	4026	0.000	0
4	DCE12T	4.925	472020	0.079	0
5	DCE12C	6.200	248616	0.075	0
6	BNZ	7.300	576109	0.087	0
7	TCE	8.192	299276	0.080	0
8		8.733	4620	0.000	0
9	DCPE13C	9.592	177692	0.899	0
10		9.783	1679	0.000	0
11	TOL	10.058	541926	0.098	0
12		10.458	671	0.000	0
13	PCE	10.883	241378	0.078	0
14	CFB13	11.800	526529	0.892	0
15	EB	12.517	464759	0.083	0
16	XYLMP	12.725	1181537	0.202	0
17	XYLO	13.400	471187	0.082	0
18		13.600	2798	0.000	0
19		14.058	4831	0.000	0
20		14.958	9450	0.000	0
21		16.208	4842	0.000	0
Totals :			5542604	2.834	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.053
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 21, 1995 07:48:50
Printed : Dec 21, 1995 08:06:20
User : PAS

C:\LABQUEST\CHROM\L1265.053 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.917	4665	0.000	0
2		2.483	5515	0.000	0
3	FR12	2.983	67537	0.131	0
4	VC	3.658	69238	0.137	0
5		4.308	588	0.000	0
6	CLET	4.458	3435	0.085	0
7	DCE11+DCM	5.050	35340	0.174	0
8	FR11	5.167	17486	0.087	0
9	FR113	5.417	15676	0.085	0
10		5.800	27552	0.000	0
11	DCE12T	6.008	38203	0.096	0
12	DCA11	6.183	36596	0.090	0
13	DCE12C	6.917	36586	0.090	0
14	CLFM	7.183	11594	0.090	0
15	DCA12	7.842	37591	0.094	0
16	TCA111	8.083	26635	0.088	0
17	BNZ	8.508	148897	0.098	0
18	CBTC	8.650	9361	0.093	0
19	TCE	9.517	30161	0.101	0
20	DCPE13C	10.375	65968	1.001	0
21	TCA112	11.108	28573	0.097	0
22		11.283	521	0.000	0
23	TOL	11.417	147339	0.097	0
24	PCE	12.708	22477	0.095	0
25	CFB13	13.025	121242	1.003	0
26	PCA1112	13.492	21877	0.096	0
27	PCA1122+EB	13.992	144189	0.193	0
28	XYLMP	14.225	300254	0.203	0
29	XYLO	14.833	166542	0.098	0
30		16.733	1770	0.000	0
Totals :			1643420	4.420	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: FB21 Dec 95

Time Sampled: 0829

Date Sampled: 12-21-95

Probe Depth (ft): —

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: inside lab

Air Temp (F): 62

Ground Surface: —

Wind dir/speed: —

Sample Parameters

Probe Volume (ml): 2500

Purge Volume (liters): 7.5

Purge Time:

Notes:

Max. Purge Vacuum (in. Hg): —

Equilibrium Time: —

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 0830

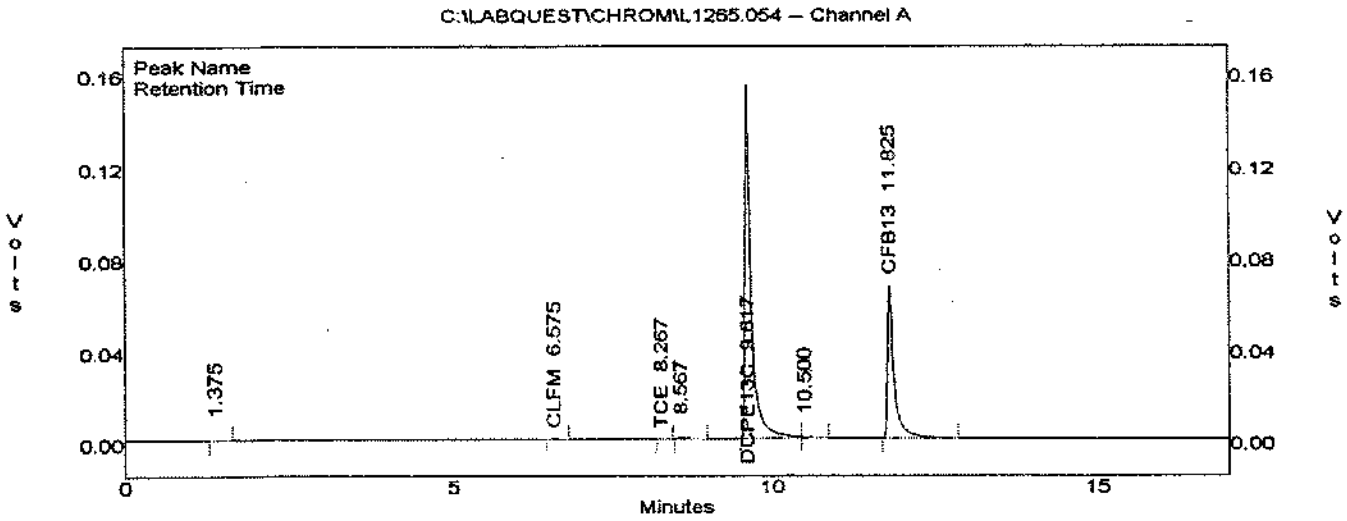
Volume Analyzed (ml): 1.0

Time Injected: 0832 Loop #: 9

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 91 87 % PID: 89 90 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.054
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : FB21DEC95
Acquired : Dec 21, 1995 08:35:16
Printed : Dec 21, 1995 08:52:38
User : PAS



Channel A Results

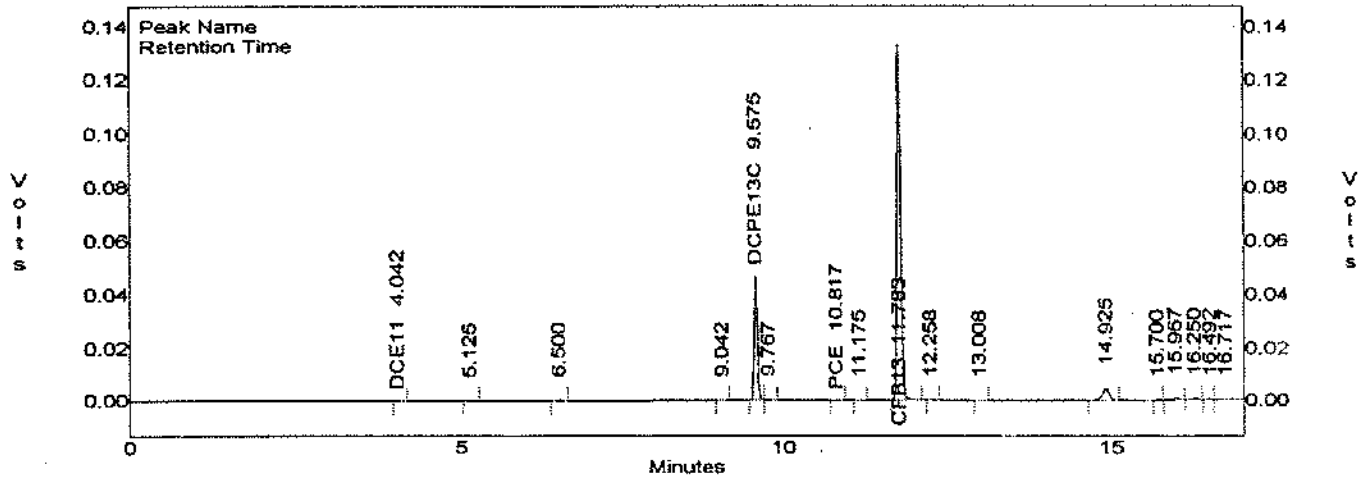
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.375	1131	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
2	CLFM	6.575	1872	0.161	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.267	658	0.062	0
4		8.567	4945	0.000	0
5	DCPE13C	9.617	1075789	909.223	0
6		10.500	7236	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.825	498647	873.383	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals : 1590280 1782.830

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.054
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : FB21DEC95
Acquired : Dec 21, 1995 08:35:16
Printed : Dec 21, 1995 08:52:41
User : PAS

C:\LABQUEST\CHROM\L1265.054 -- Channel B



Channel B Results

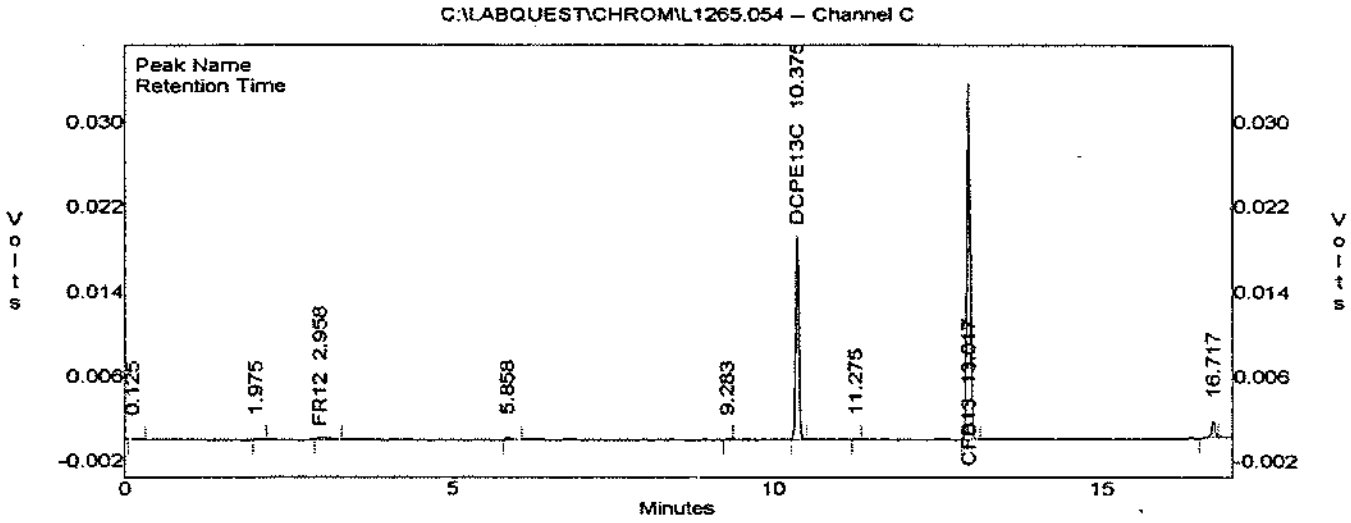
peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.042	1170	0.~~406~~ PS	0
--	DCE12T	4.910	0	0.000	0
2		5.125	652	0.000	0
--	DCE12C	6.190	0	0.000	0
3		6.500	1096	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
4		9.042	746	0.000	0
5	DCPE13C	9.575	176280	892.066	0
6		9.767	1617	0.000	0
--	TOL	10.050	0	0.000	0
7	PCE	10.817	946	~~0.308~~ PS	0
8		11.175	513	0.000	0
9	CFB13	11.783	533043	902.556	0
10		12.258	1276	0.000	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
11		13.008	515	0.000	0
--	XYLO	13.320	0	0.000	0
12		14.925	34127	0.000	0
13		15.700	751	0.000	0
14		15.967	4379	0.000	0
15		16.250	3375	0.000	0
16		16.492	1200	0.000	0
17		16.717	3647	0.000	0

Can't confirm

Totals :

	765338	1795.335

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.054
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : FB21DEC95
Acquired : Dec 21, 1995 08:35:16
Printed : Dec 21, 1995 08:52:43
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.125	736	0.000	poor peak shape
2		1.975	910	0.000	0
3	FR12	2.958	2970	~~5.743~~ Not on	0
--	VC	3.640	0	0.000 Hall	0
--	CLET	4.450	0	0.000 PS	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.858	1579	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.283	548	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.375	65794	998.267	0
--	TCA112	11.110	0	0.000	0
7		11.275	603	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.017	120461	996.842	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.717	6111	0.000	0

Totals :

	199714	2000.853

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 US

Sample I.D.: SV-34-5

Probe Depth (ft): 5

Time Sampled: 0855

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 65

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400 ml

Equilibrium Time: 1 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml):

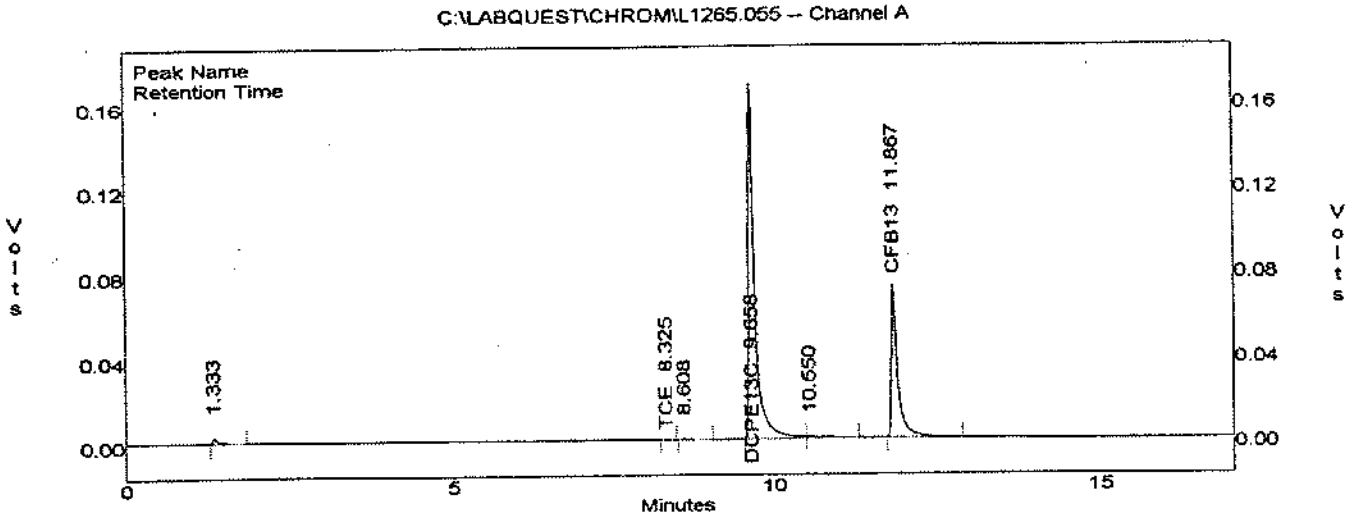
Date: 12-21-95 Time: 0900

Time Injected: Loop #:

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 95 90 % PID: 89 90 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.055
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-34-5
Acquired : Dec 21, 1995 09:01:38
Printed : Dec 21, 1995 09:19:02
User : PAS

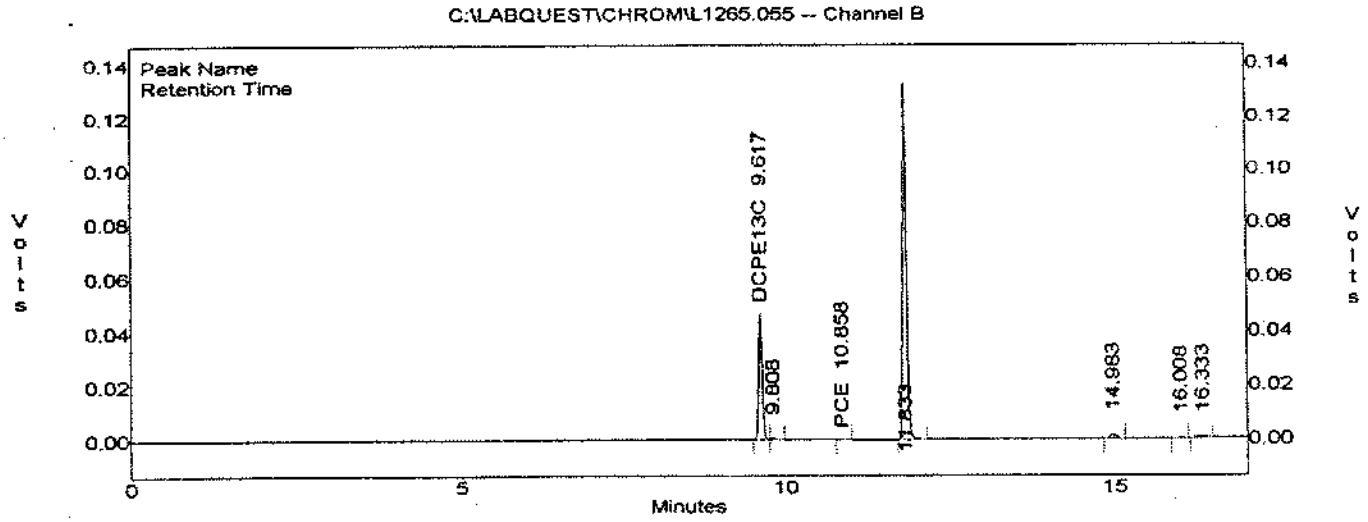


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	18037	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.325	651	0.062	0
3		8.608	5154	0.000	0
4	DCPE13C	9.658	1127554	952.974	0
5		10.550	15228	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.867	515820	903.463	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1682447	1856.498	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.055
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-34-5
Acquired : Dec 21, 1995 09:01:38
Printed : Dec 21, 1995 09:19:06
User : PAS

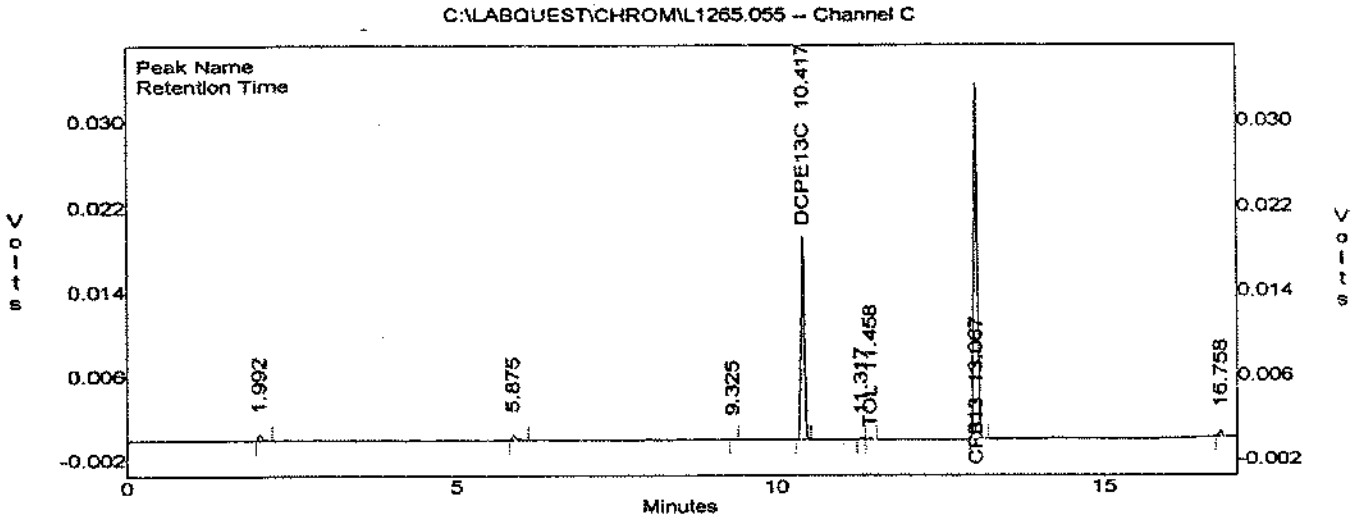


Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.617	175885	890.066	0
2		9.808	1613	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.858	824	0 ~~.268~~ Noton	0
--	CFB13	11.730	0	0.000 Hall	0
4		11.833	533231	~~0.000~~ 90%	1.62e-6
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		14.983	10023	0.000	0
6		16.008	826	0.000	0
7		16.333	6225	0.000	0

Totals : 728630 890.334

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.055
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-34-5
Acquired : Dec 21, 1995 09:01:38
Printed : Dec 21, 1995 09:19:08
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.992	2456	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.875	2698	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.325	516	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.417	66429	1007.901	0
--	TCA112	11.110	0	0.000	0
5		11.317	842	0.000	0
6	TOL	11.458	504	0.334	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.067	121751	1007.517	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.758	2811	0.000	0

Totals :

	198009	2015.752

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-33-5

Probe Depth (ft): 5

Time Sampled: 0911

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 65

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

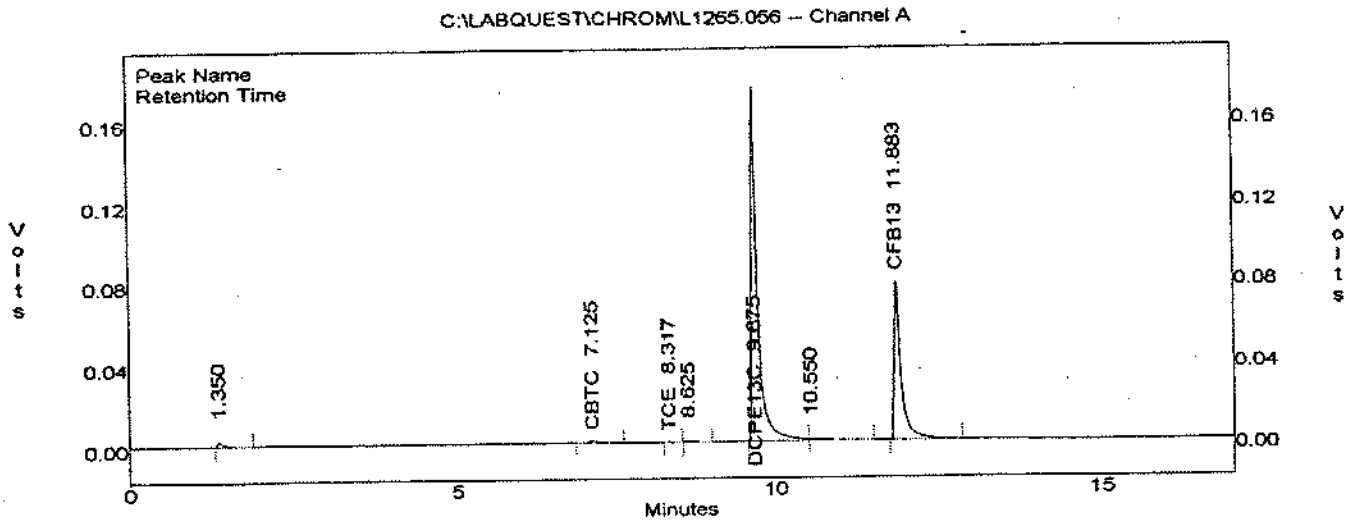
Date: 12-21-95 Time: 0911

Time Injected: 0925 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	~~8~~ 1.0 ✓				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 102 100 % PID: 89 86 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.056
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-33-5
Acquired : Dec 21, 1995 09:25:20
Printed : Dec 21, 1995 09:42:41
User : PAS

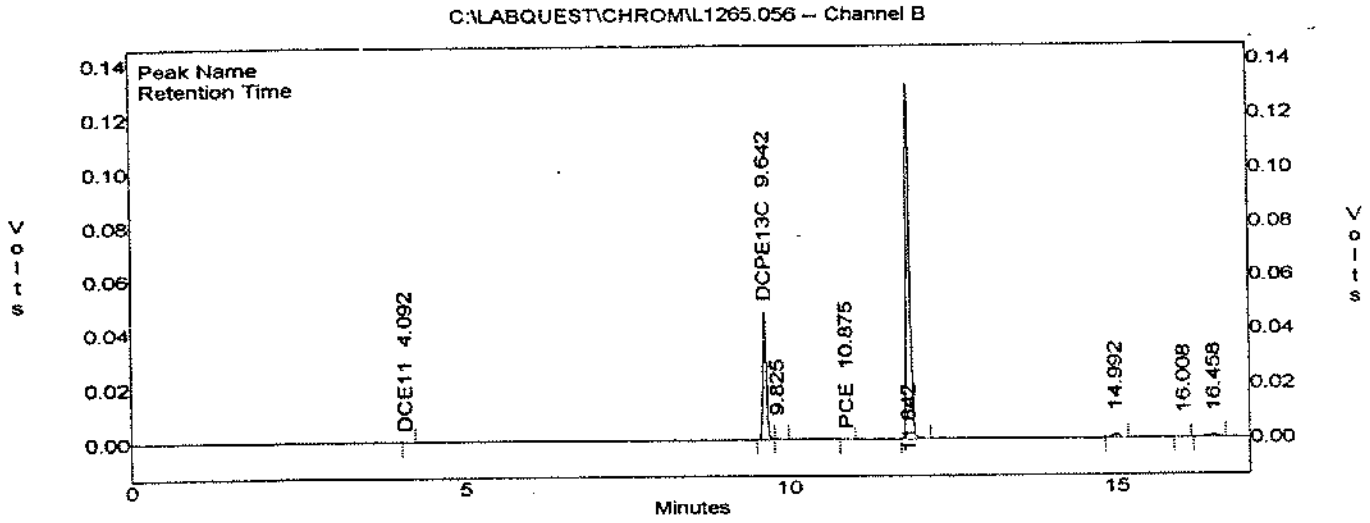


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	16722	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
2	CBTC	7.125	12310	1.006	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.317	1327	0.126	0
4		8.625	4969	0.000	0
5	DCPE13C	9.675	1201378	1015.367	0
6		10.550	18711	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.883	570802	999.763	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1826221	2016.262	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

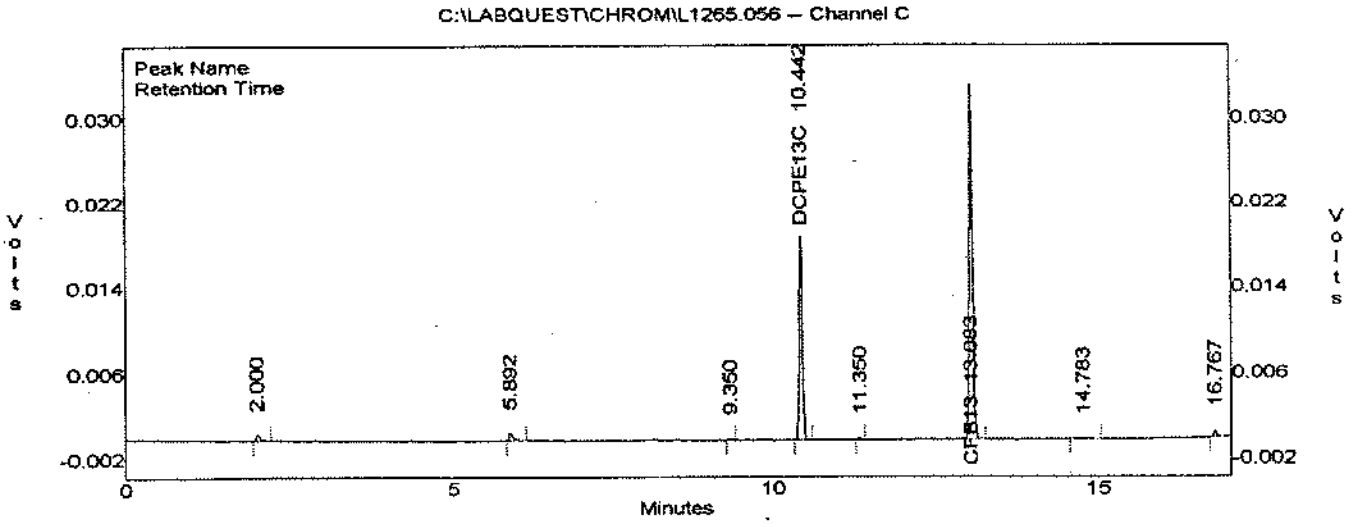
File : C:\LABQUEST\CHROM\L1265.056
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-33-5
Acquired : Dec 21, 1995 09:25:20
Printed : Dec 21, 1995 09:42:44
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.092	509	0.177	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.642	175878	890.028	0
3		9.825	1584	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.875	862	0.280	0
--	CFB13	11.730	0	0.000	0
5		11.842	534455	0.000 Bol.	~~0~~ 1.6E-6
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.992	10142	0.000	0
7		16.008	836	0.000	0
8		16.458	7168	0.000	0
Totals :			731436	890.485	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.056
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-33-5
Acquired : Dec 21, 1995 09:25:20
Printed : Dec 21, 1995 09:42:46
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	2503	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.892	3466	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.350	528	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.442	66073	1002.500	0
--	TCA112	11.110	0	0.000	0
5		11.350	569	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.083	121349	1004.193	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
7		14.783	1227	0.000	0
--	XYLO	14.930	0	0.000	0
8		16.767	2664	0.000	0
Totals :			198382	2006.693	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-26-5

Probe Depth (ft): 5

Time Sampled: 0929

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1

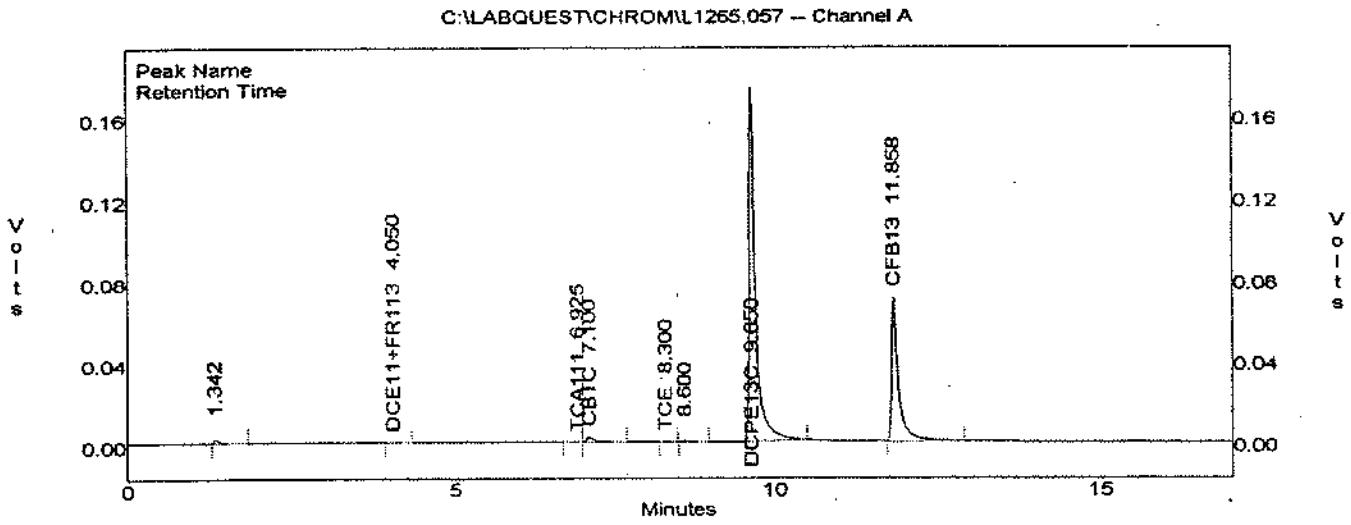
Date: 12-21-95 Time: 0935

Time Injected: 0947 Loop #: manual

Compound	Concentration (ug/1)	Compound	Concentration (ug/1)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	1.8 ✓		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 98 91 % PID: 88 90 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.057
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-26-5
Acquired : Dec 21, 1995 09:48:50
Printed : Dec 21, 1995 10:06:08
User : PAS



Channel A Results

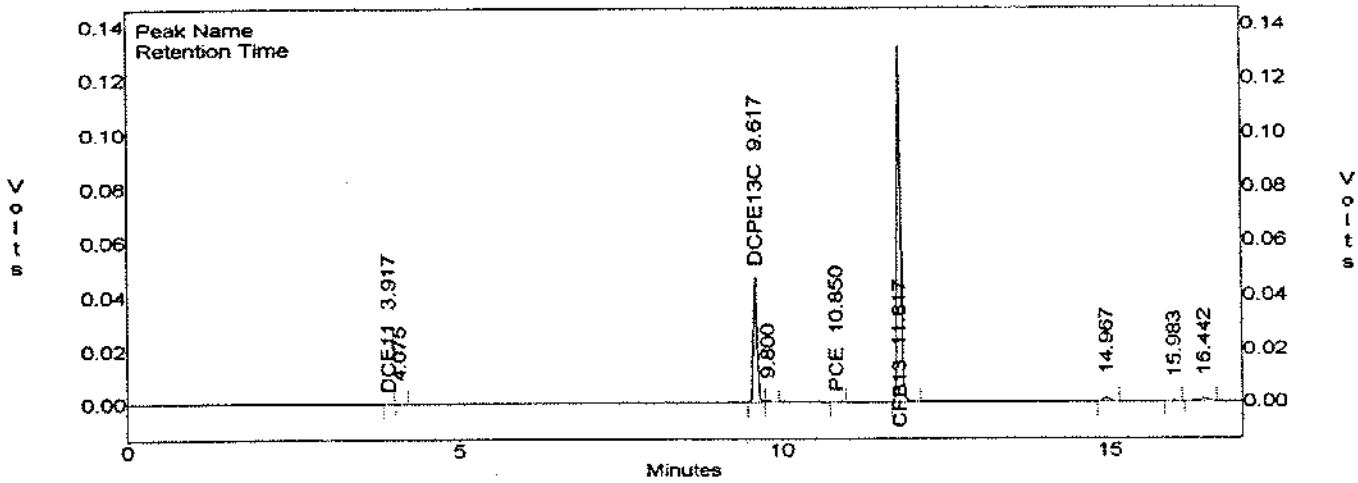
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	12655	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	4.050	2195	0.303	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
3	TCA111	6.925	1107	0.106	0
4	CBTC	7.100	22497	1.839	0
--	DCA12	7.390	0	0.000	0
5	TCE	8.300	1410	0.133	0
6		8.600	5498	0.000	0
7	DCPE13C	9.650	1163462	983.322	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
8	CFB13	11.858	521106	912.720	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals : 1729932 1898.424

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.057
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-26-5
Acquired : Dec 21, 1995 09:48:50
Printed : Dec 21, 1995 10:06:11
User : PAS

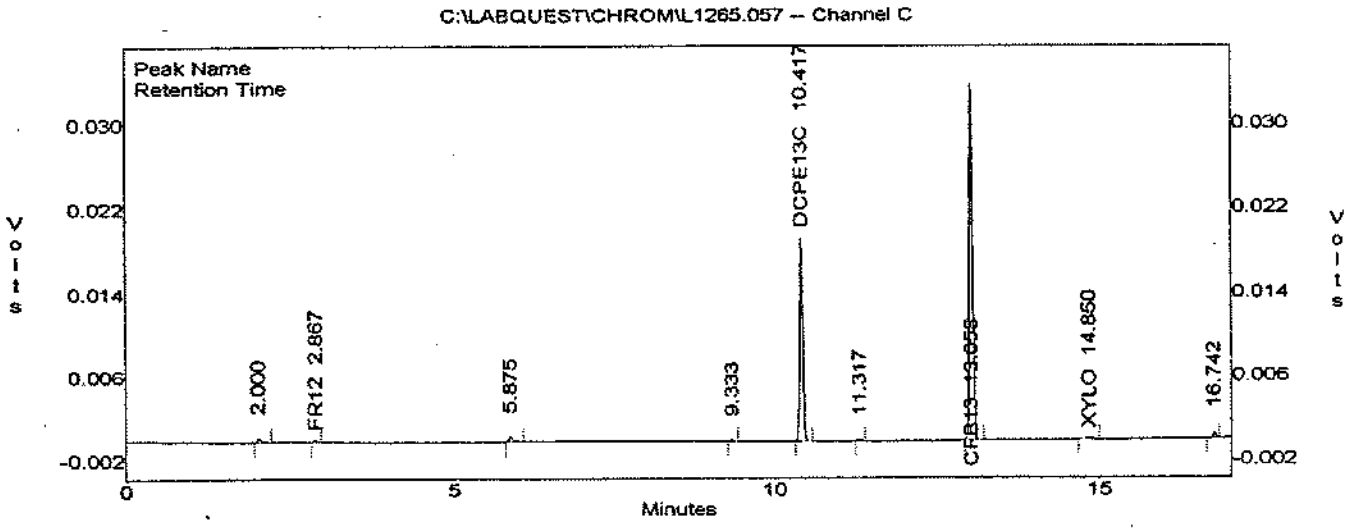
C:\LABQUEST\CHROM\L1265.057 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.917	711	0.247	0
2		4.075	675	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
3	DCPE13C	9.617	174610	883.611	0
4		9.800	1528	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.850	835	0.272	0
6	CFB13	11.817	528681	895.171	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.967	9355	0.000	0
8		15.983	964	0.000	0
9		16.442	7510	0.000	0
Totals :			724872	1779.300	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.057
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-26-5
Acquired : Dec 21, 1995 09:48:50
Printed : Dec 21, 1995 10:06:13
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	1996	0.000	0
2	FR12	2.867	584	~~1.131~~ PS	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.875	2401	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.333	573	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.417	66282	1005.671	0
--	TCA112	11.110	0	0.000	0
6		11.317	549	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.058	121242	1003.305	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
8	XYLO	14.850	743	0.437	0
9		16.742	1790	0.000	0

Totals : 196162 2010.544

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-20-5

Probe Depth (ft): 5

Time Sampled: 1040

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

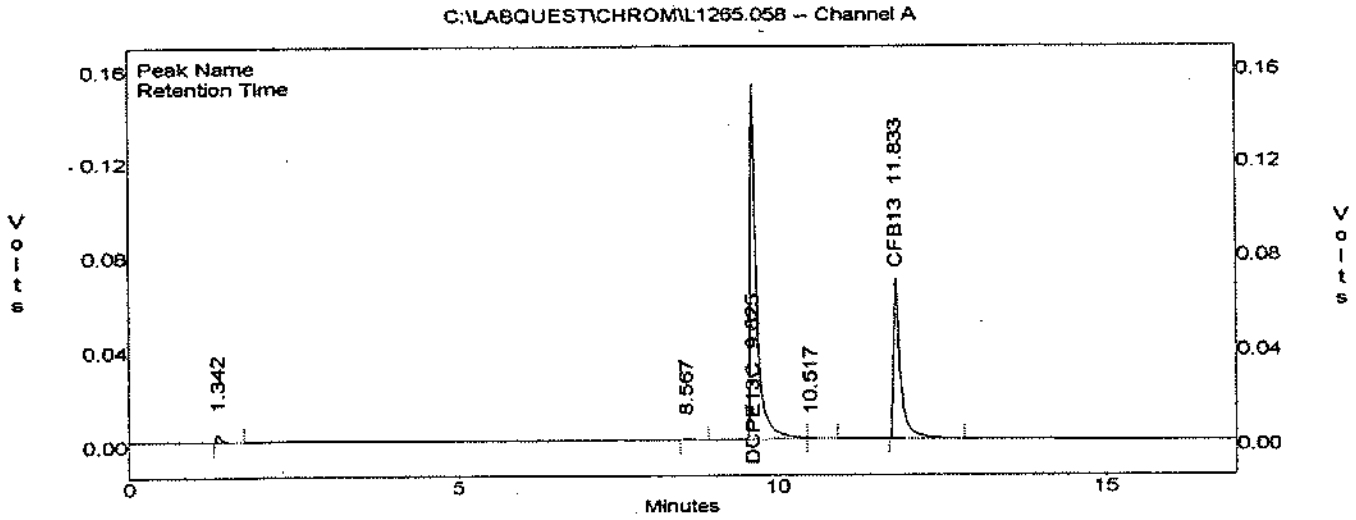
Date: 12-21-95 Time: 1045

Time Injected: 1045 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 88 87 % PID: 87 88 % FID: 99 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.058
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-20-5
Acquired : Dec 21, 1995 10:43:04
Printed : Dec 21, 1995 11:00:24
User : PAS



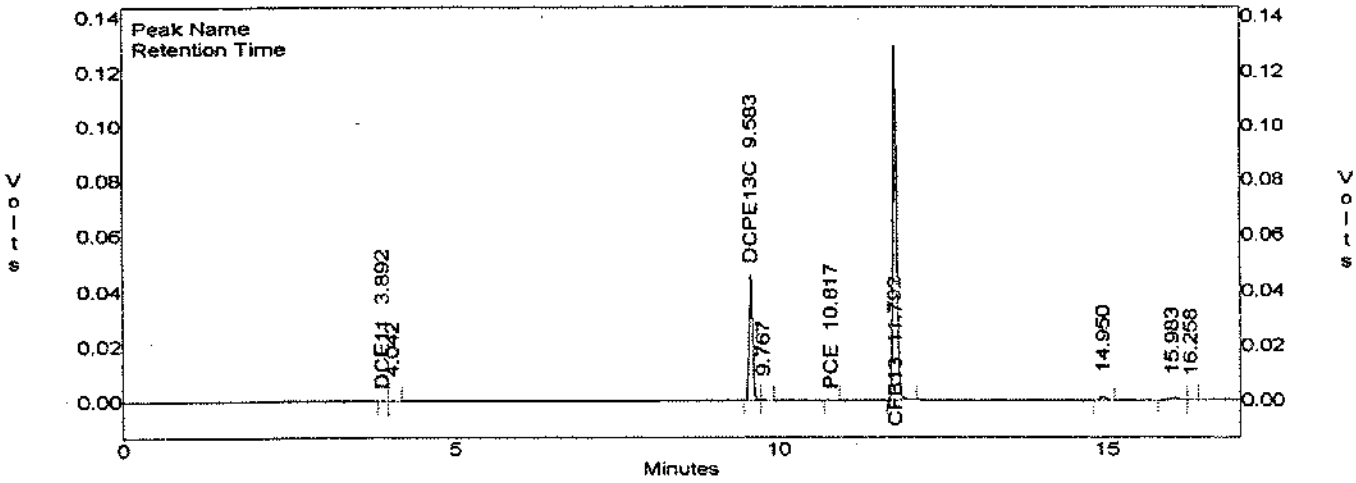
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	17085	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
--	TCE	8.220	0	0.000	0
2		8.567	4104	0.000	0
3	DCPE13C	9.625	1035961	875.562	0
4		10.517	6946	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.833	496825	870.193	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1560924	1745.755	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.058
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-20-5
Acquired : Dec 21, 1995 10:43:04
Printed : Dec 21, 1995 11:00:27
User : PAS

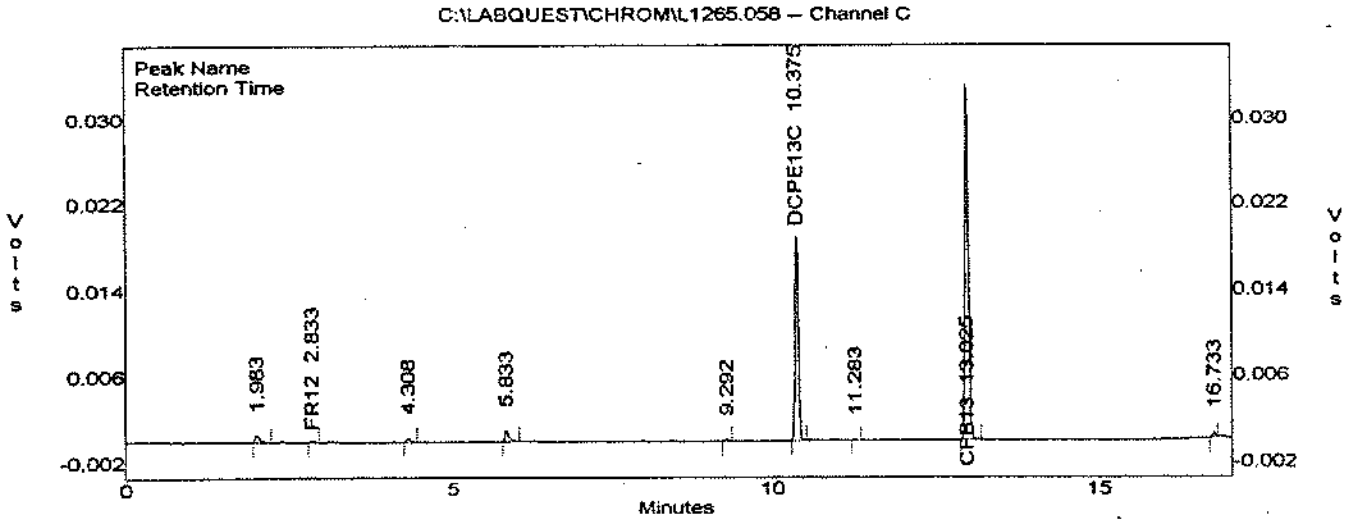
C:\LABQUEST\CHROM\L1265.058 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.892	1595	~~0.554~~ PS	0
2		4.042	1222	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
3	DCPE13C	9.583	172055	870.682	0
4		9.767	1363	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.817	774	0.252	0
6	CFB13	11.792	520456	881.245	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.950	8904	0.000	0
8		15.983	7487	0.000	0
9		16.258	952	0.000	0
Totals :			714811	1752.732	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.058
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-20-5
Acquired : Dec 21, 1995 10:43:04
Printed : Dec 21, 1995 11:00:29
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.983	3411	0.000	0
2	FR12	2.833	643	~~1.244~~ PS	0
--	VC	3.640	0	0.000	0
3		4.308	1400	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.833	4605	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.292	556	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.375	65537	994.375	0
--	TCA112	11.110	0	0.000	0
7		11.283	577	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.025	119757	991.013	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.733	1436	0.000	0

Totals : 197924 1986.632

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L126S

Sample I.D.: SV-21-5

Probe Depth (ft): 5

Time Sampled: 1053

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400 ml

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sahuwane

Volume Analyzed (ml): 1.0

Date: 12-21-95 Time: 1055

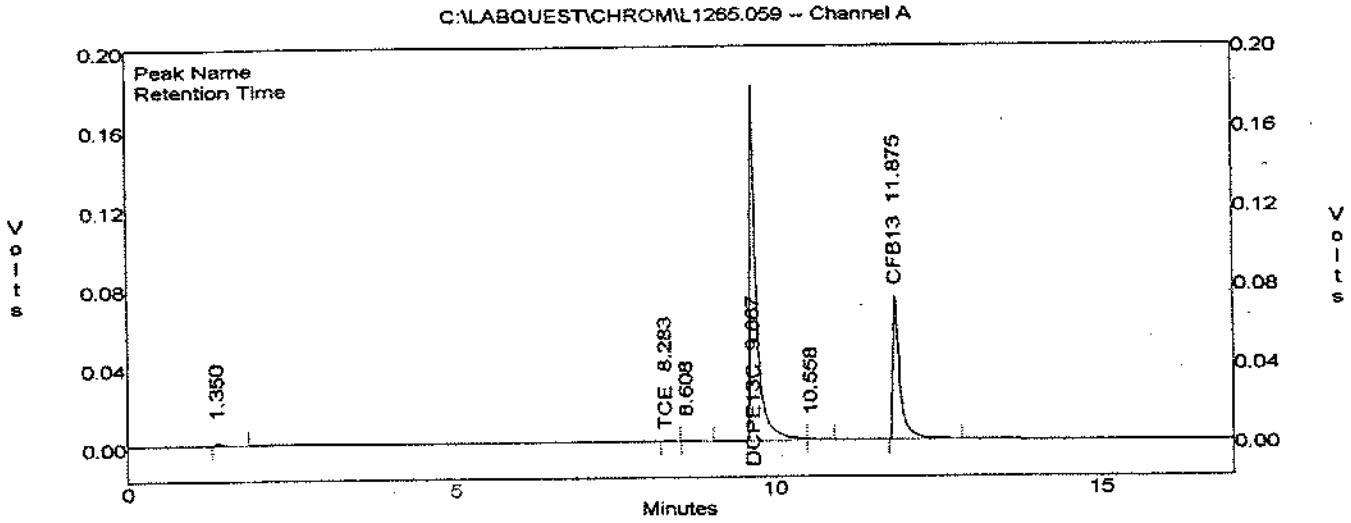
Time Injected: 1105

Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 104 93 % PID: 87 89 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.059
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-21-5
Acquired : Dec 21, 1995 11:06:29
Printed : Dec 21, 1995 11:23:50
User : PAS

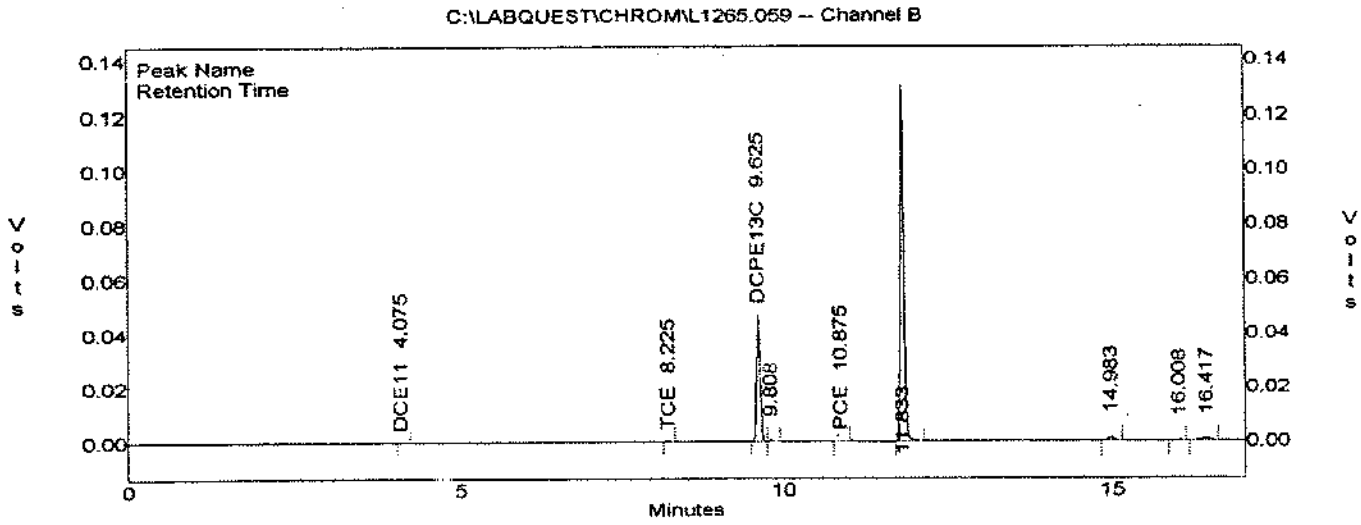


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	10444	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.283	4038	0.382	0
3		8.608	5133	0.000	0
4	DCPE13C	9.667	1231480	1040.808	0
5		10.558	7595	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.875	531075	930.182	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1789766	1971.372	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.059
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-21-5
Acquired : Dec 21, 1995 11:06:29
Printed : Dec 21, 1995 11:23:54
User : PAS

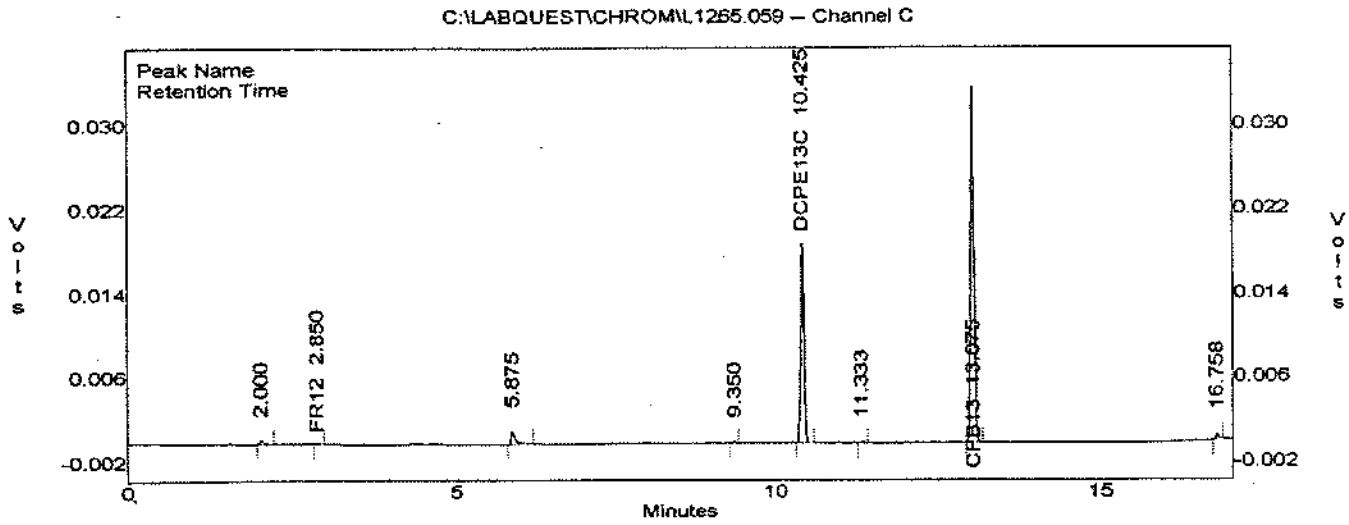


Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.075	1331	0.~~462~~ PS	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.225	1337	0.355	0
3	DCPE13C	9.625	172768	874.290	0
4		9.808	1487	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.875	901	0.293	0
--	~~CFB13~~	11.730	0	0.000	0
6	CFB13	11.833	524955	~~0.000~~ 89% PS	~~0~~ 1.69e-6
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.983	9207	0.000	0
8		16.008	1256	0.000	0
9		16.417	7259	0.000	0

Totals : 720504 875.400

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.059
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-21-5
Acquired : Dec 21, 1995 11:06:29
Printed : Dec 21, 1995 11:23:55
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	1537	0.000	0
2	FR12	2.850	604	1.169	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.875	5954	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.350	550	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.425	66499	1008.963	0
--	TCA112	11.110	0	0.000	0
6		11.333	574	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.075	121547	1005.829	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.758	1627	0.000	0
Totals :			198894	2015.961	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-22-5

Probe Depth (ft): 5

Time Sampled: 1106

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sonnemann

Volume Analyzed (ml): 1.0

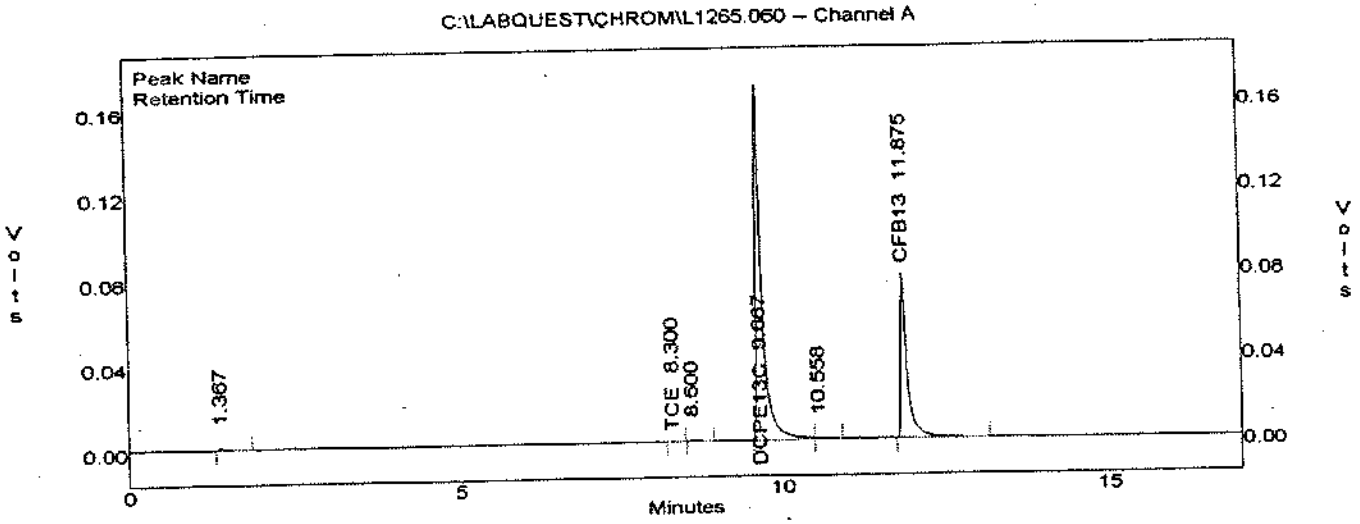
Date: 12-21-95 Time: 1112

Time Injected: Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1			~~PS~~	
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 96 99 % PID: 87 88 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.060
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-22-5
Acquired : Dec 21, 1995 11:29:29
Printed : Dec 21, 1995 11:46:51
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.367	8636	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.300	1393	0.132	0
3		8.600	4528	0.000	0
4	DCPE13C	9.667	1139599	963.154	0
5		10.558	7302	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.875	567375	993.761	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1728835	1957.047	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-23-5

Time Sampled: 1122

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 68

Ground Surface: Asphalt

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400 ml

Purge Time: 2 sec.

Notes:

Max. Purge Vacuum (in. Hg): 12

Equilibrium Time: 2 sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1125

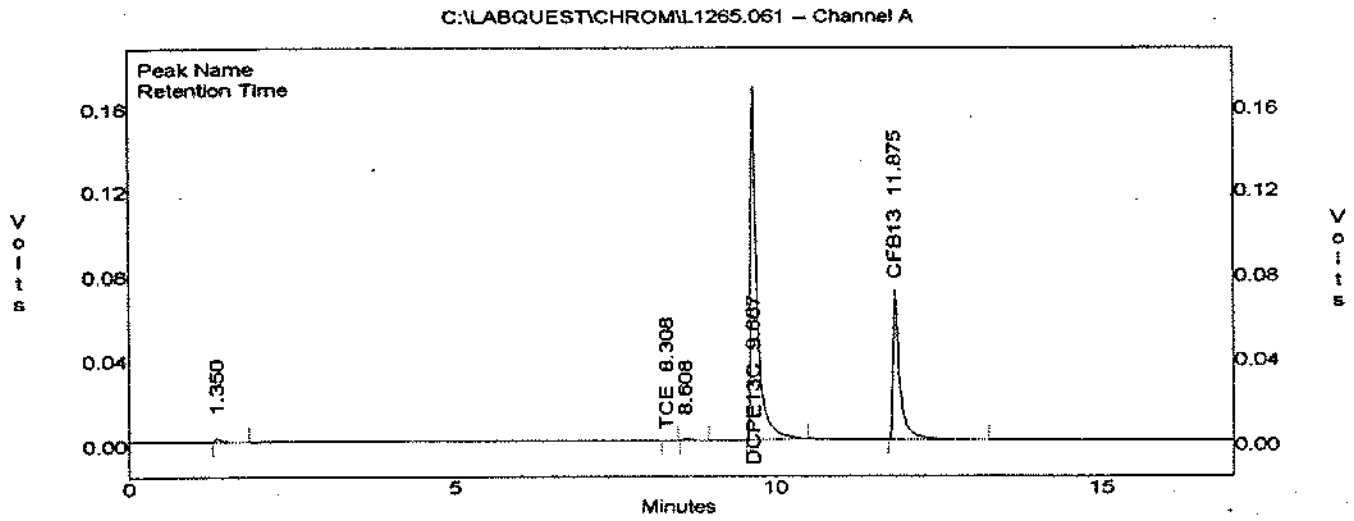
Volume Analyzed (ml): 1.0

Time Injected: 1151 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 96 92 % PID: 87 88 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.061
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-23-5
Acquired : Dec 21, 1995 11:52:53
Printed : Dec 21, 1995 12:10:14
User : PAS

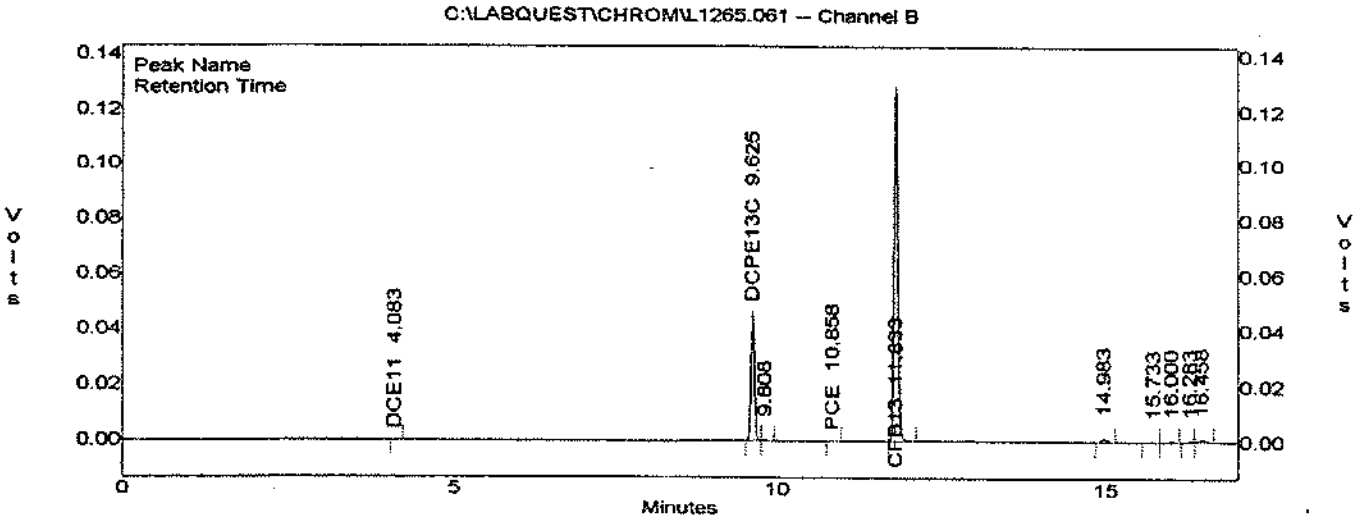


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	9995	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.308	651	0.062	0
3		8.608	5002	0.000	0
4	DCPE13C	9.667	1141408	964.683	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.875	524970	919.488	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1682027	1884.232	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.061
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-23-5
Acquired : Dec 21, 1995 11:52:53
Printed : Dec 21, 1995 12:10:17
User : PAS



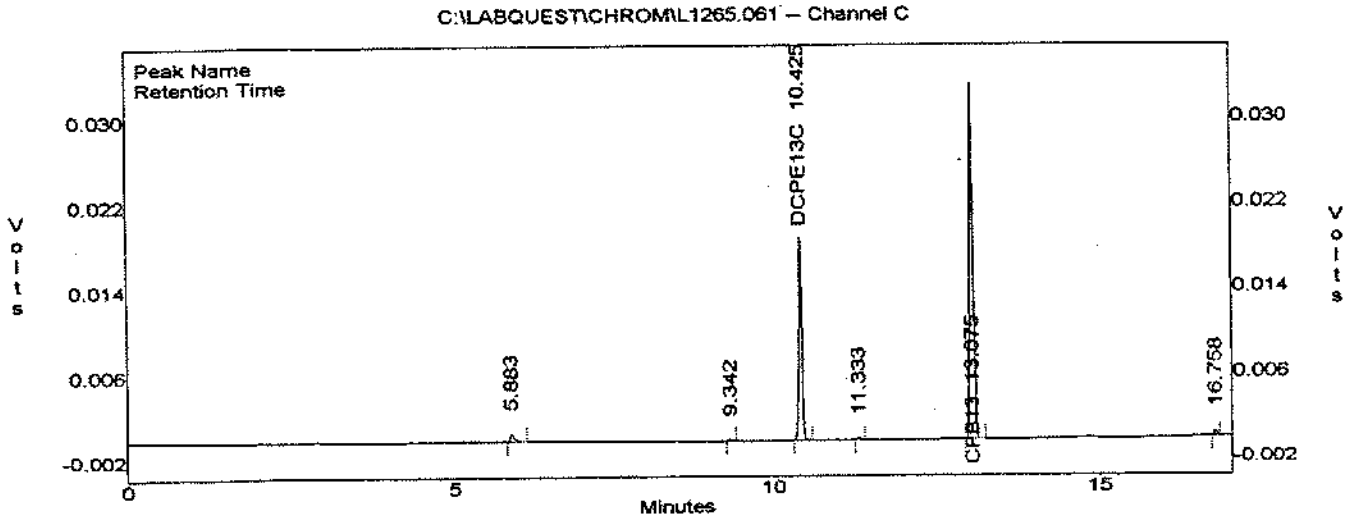
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.083	509	0.177	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.625	171684	868.807	0
3		9.808	1528	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.858	737	0.240	0
5	CFB13	11.833	519964	880.410	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.983	8572	0.000	0
7		15.733	524	0.000	0
8		16.000	1981	0.000	0
9		16.283	1728	0.000	0
10		16.458	6451	0.000	0

Totals :

	713681	1749.634

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.061
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-23-5
Acquired : Dec 21, 1995 11:52:53
Printed : Dec 21, 1995 12:10:19
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
1		5.883	3673	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
2		9.342	544	0.000	0
--	TCE	9.520	0	0.000	0
3	DCPE13C	10.425	66213	1004.635	0
--	TCA112	11.110	0	0.000	0
4		11.333	541	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
5	CFB13	13.075	121132	1002.395	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
6		16.758	1525	0.000	0
Totals :			193630	2007.030	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-24-5

Probe Depth (ft): 5

Time Sampled: 1146

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-21-95 Time: 1150

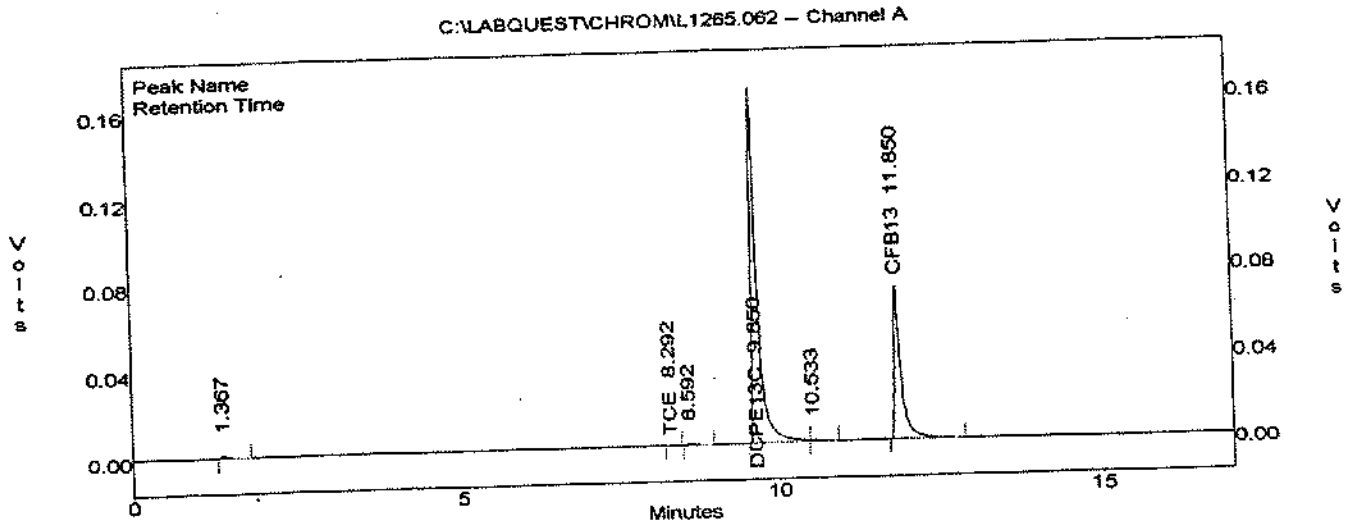
Time Injected: 11

Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 95 93 % PID: 86 87 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.062
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-24-5
Acquired : Dec 21, 1995 12:15:41
Printed : Dec 21, 1995 12:32:57
User : PAS



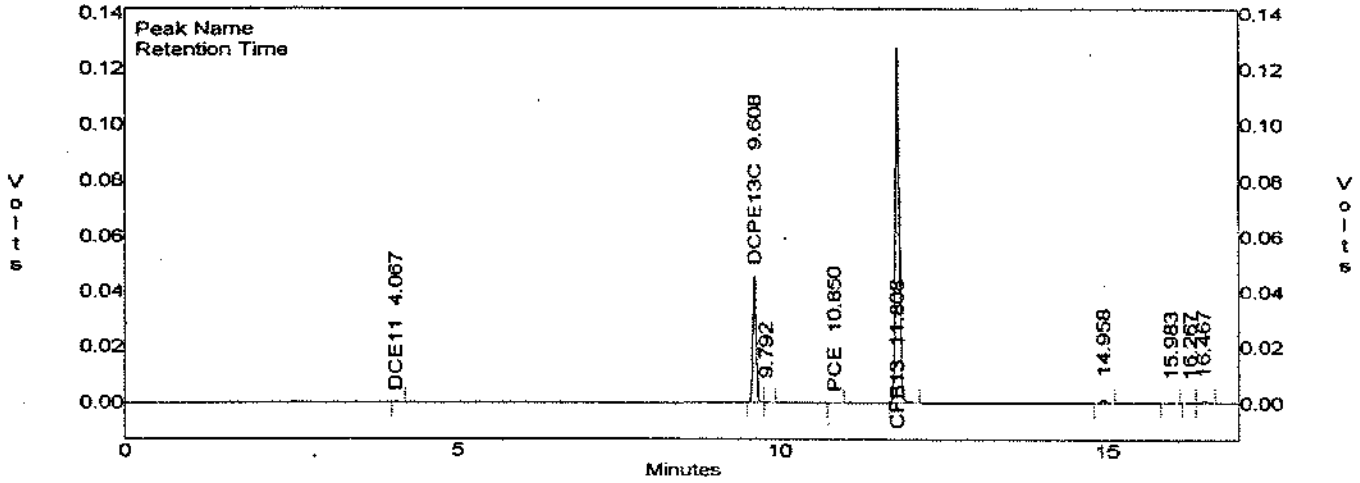
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.367	8995	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.292	803	0.076	0
3		8.592	4853	0.000	0
4	DCPE13C	9.650	1126189	951.820	0
5		10.533	7425	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.850	529451	927.336	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1677717	1879.232	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.062
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-24-5
Acquired : Dec 21, 1995 12:15:41
Printed : Dec 21, 1995 12:33:00
User : PAS

C:\LABQUEST\CHROM\L1265.062 -- Channel B



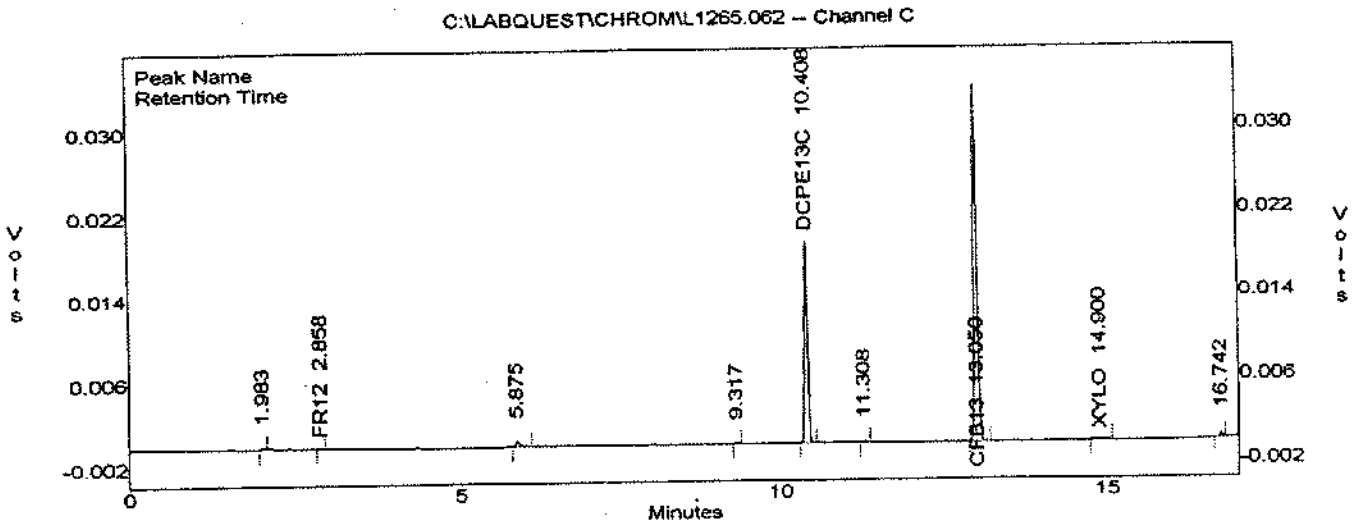
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.067	1126	~~0.391~~ PS	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.608	170384	862.224	0
3		9.792	1275	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.850	728	~~0.237~~ Not on Hall PS	0
5	CFB13	11.808	514354	870.911	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.958	8126	0.000	0
7		15.983	1486	0.000	0
8		16.267	1295	0.000	0
9		16.467	6137	0.000	0

Totals :

	704912	1733.764

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.062
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-24-5
Acquired : Dec 21, 1995 12:15:41
Printed : Dec 21, 1995 12:33:01
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.983	880	0.000	0
2	FR12	2.858	500	0.968	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.875	2632	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.317	541	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.408	65969	1000.929	0
--	TCA112	11.110	0	0.000	0
6		11.308	603	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.050	120830	999.896	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
8	XYLO	14.900	919	0.540	0
9		16.742	1515	0.000	0
Totals :			194391	2002.334	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-19-5

Probe Depth (ft): 5

Time Sampled: 1205

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 69

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400 ml

Equilibrium Time: 2sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

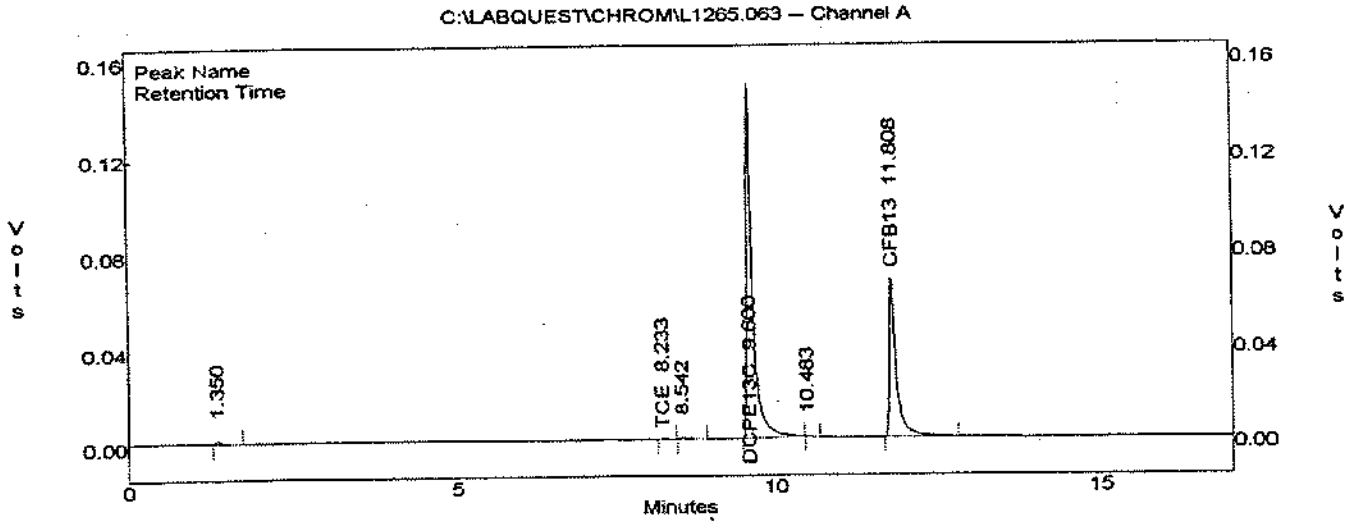
Date: 12-22-95 Time: 1225

Time Injected: 1234 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 84 85 % PID: 85 86 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.063
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-19-5
Acquired : Dec 21, 1995 12:44:54
Printed : Dec 21, 1995 13:02:13
User : PAS

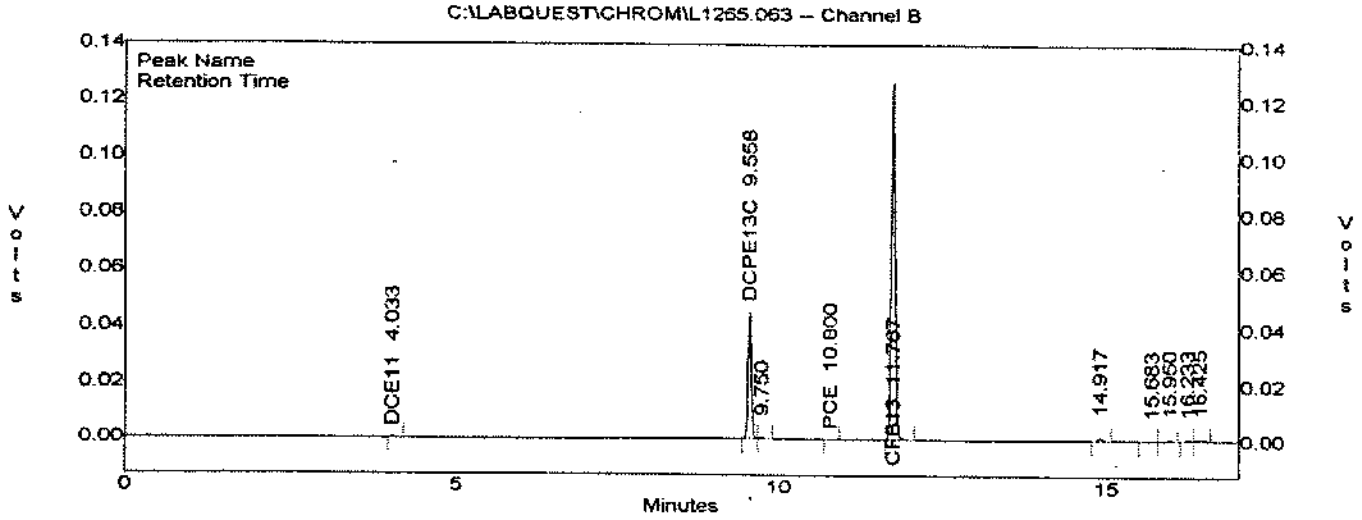


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	7577	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.233	1314	0.124	0
3		8.542	4536	0.000	0
4	DCPE13C	9.600	995335	841.226	0
5		10.483	527	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.808	496068	868.867	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1505358	1710.218	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.063
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-19-5
Acquired : Dec 21, 1995 12:44:54
Printed : Dec 21, 1995 13:02:17
User : PAS



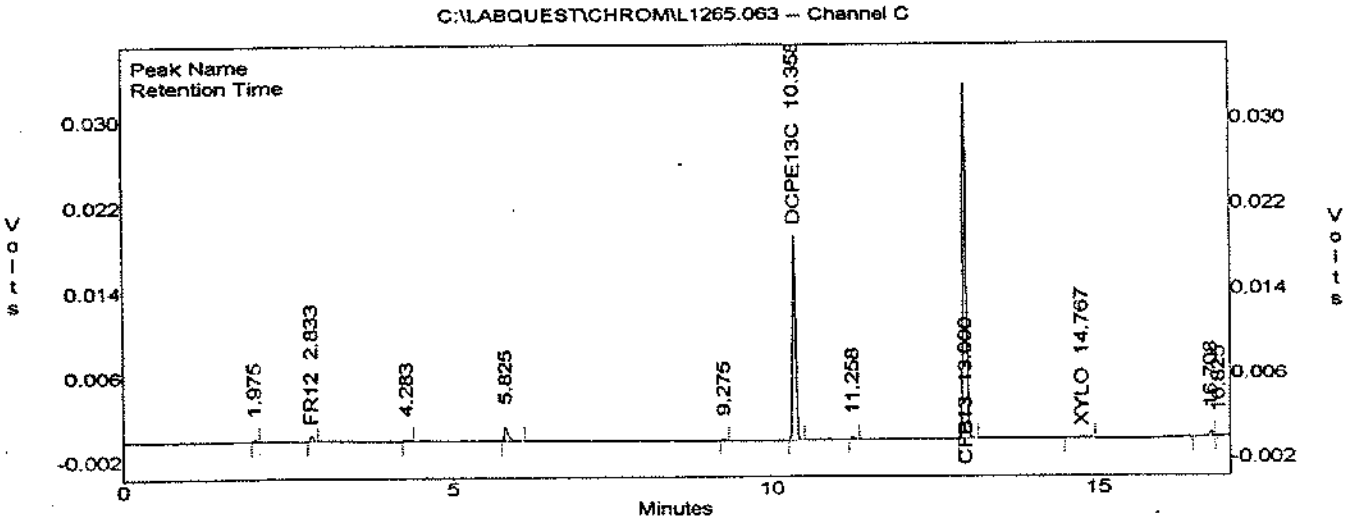
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.033	2461	0.854	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.558	168336	851.860	0
3		9.750	1505	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.800	791	0.257	0
5	CFB13	11.767	507898	859.981	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.917	8134	0.000	0
7		15.683	685	0.000	0
8		15.950	2516	0.000	0
9		16.233	2336	0.000	0
10		16.425	6389	0.000	0

Totals :

	701054	1712.953

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.063
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-19-5
Acquired : Dec 21, 1995 12:44:54
Printed : Dec 21, 1995 13:02:19
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/1)	Rf
1		1.975	878	0.000	0
2	FR12	2.833	2061	~~3.986~~ Not	0
--	VC	3.640	0	0.000 on Hull	0
3		4.283	752	0.000 PS	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.825	6505	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.275	529	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.358	66053	1002.204	0
--	TCA112	11.110	0	0.000	0
7		11.258	590	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.000	120687	998.708	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
9	XYLO	14.767	1474	~~0.867~~ No peak	0
10		16.708	1991	0.000 PS	0
11		16.825	784	0.000	0
Totals :			202307	2005.765	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-18-5

Probe Depth (ft): 5

Time Sampled: 1244

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 69

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

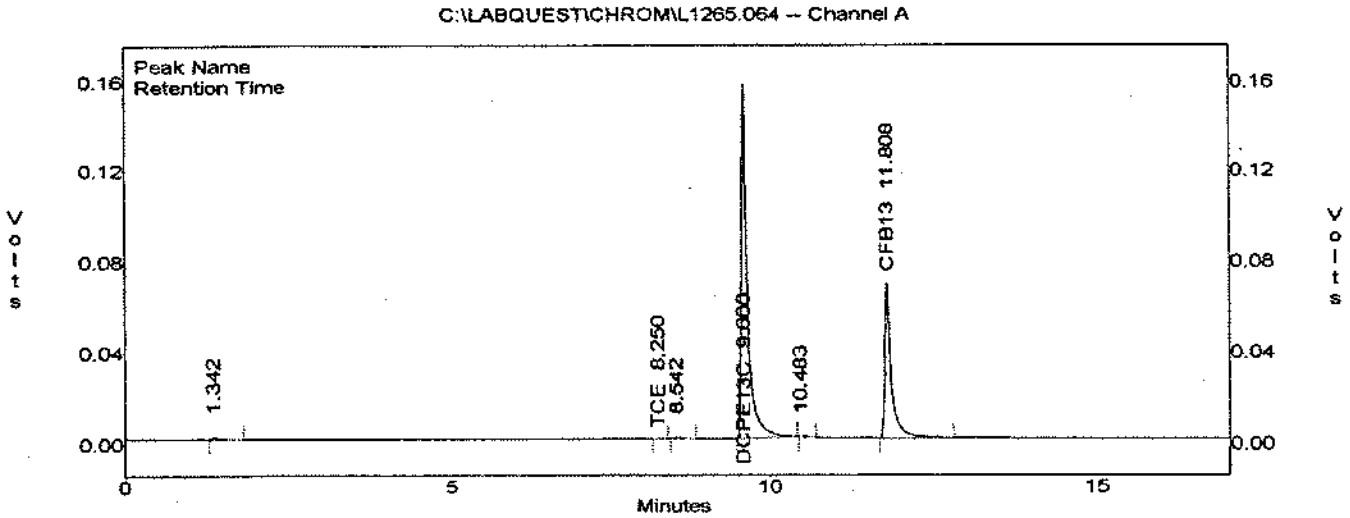
Date: 12-21-95 Time: 1234

Time Injected: 1300 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 87 87 % PID: 85 86 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.064
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-18-5
Acquired : Dec 21, 1995 13:07:57
Printed : Dec 21, 1995 13:25:16
User : PAS

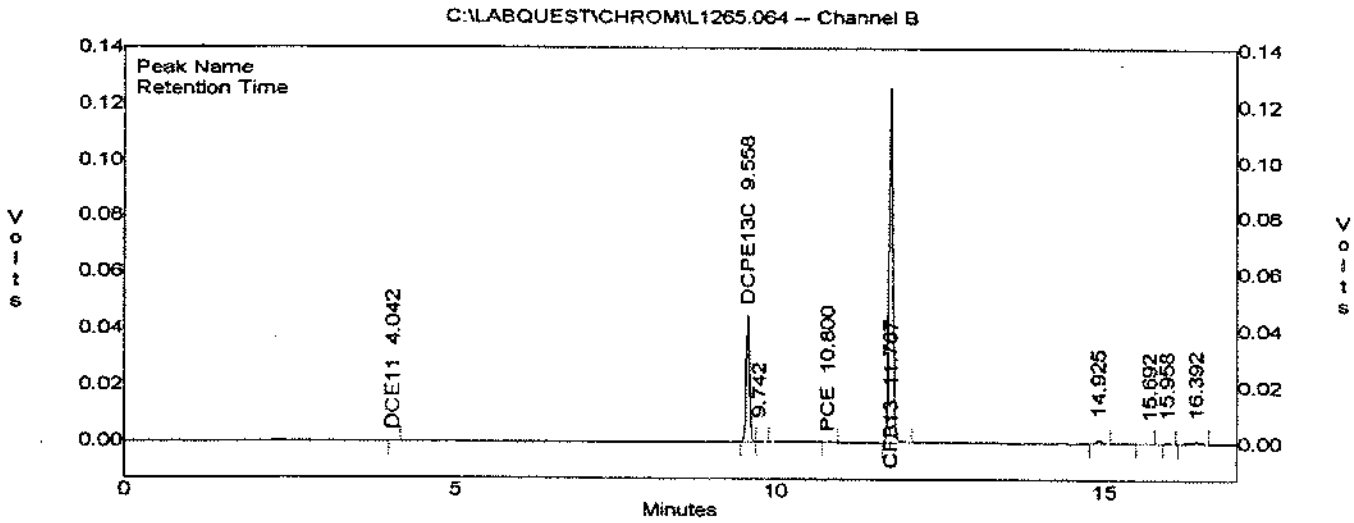


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	8774	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.250	581	0.055	0
3		8.542	4340	0.000	0
4	DCPE13C	9.600	1030787	871.189	0
5		10.483	554	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.808	496946	870.404	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1541982	1741.648	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.064
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-18-5
Acquired : Dec 21, 1995 13:07:57
Printed : Dec 21, 1995 13:25:20
User : PAS



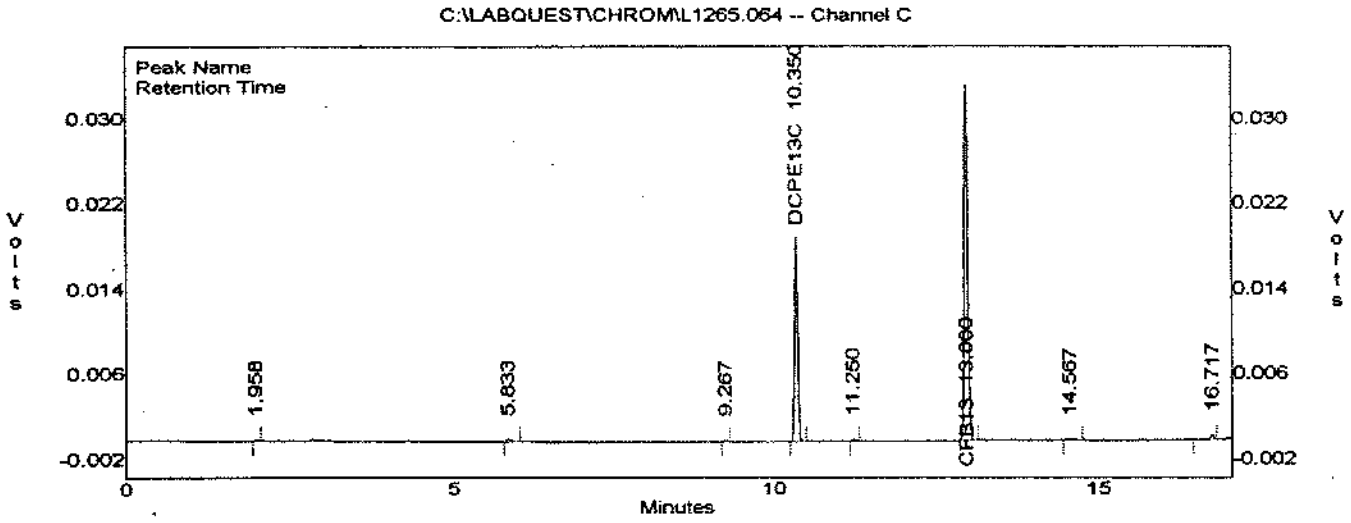
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.042	816	~~0.283~~ PS	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.558	167364	846.945	0
3		9.742	1454	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.800	674	0.219	0
5	CFB13	11.767	505674	856.215	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.925	7594	0.000	0
7		15.692	772	0.000	0
8		15.958	2265	0.000	0
9		16.392	8873	0.000	0

Totals :

	695489	1703.663

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.064
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-18-5
Acquired : Dec 21, 1995 13:07:57
Printed : Dec 21, 1995 13:25:22
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	594	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.833	1189	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.267	568	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.350	66299	1005.929	0
--	TCA112	11.110	0	0.000	0
5		11.250	612	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.000	120741	999.155	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
7		14.567	649	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.717	1584	0.000	0

Totals :

	192238	2005.084

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-17-5

Probe Depth (ft): 5

Time Sampled: 1301

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 70

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: R. Schumann

Volume Analyzed (ml): 1.0

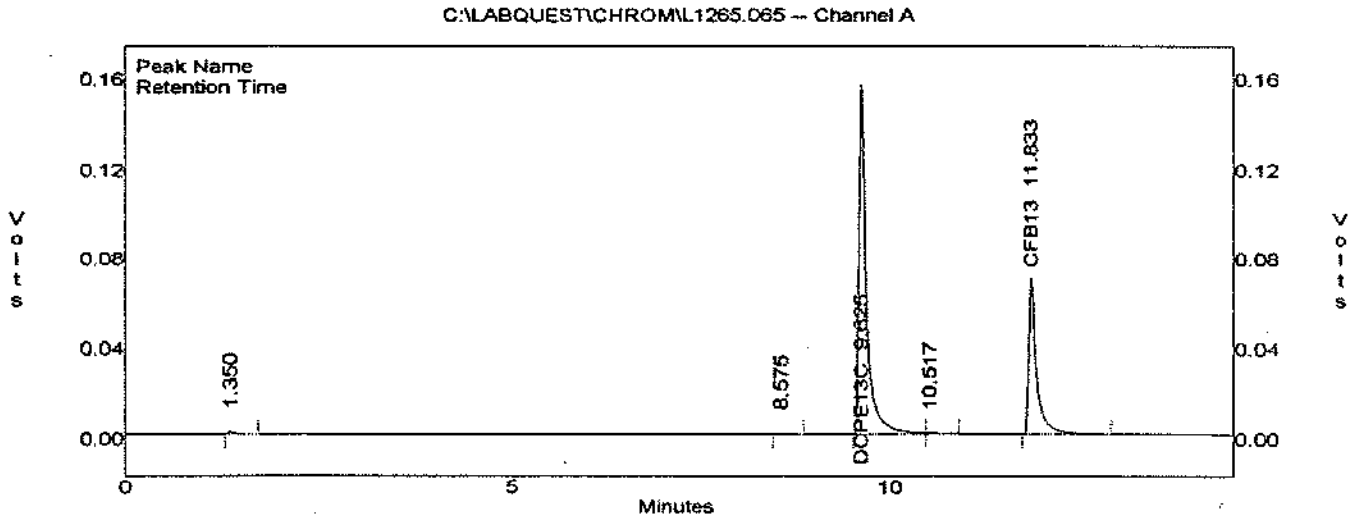
Date: 12-21-95 Time: 1303

Time Injected: 1327 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 91 89 % PID: 85 86 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.065
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-1~~A~~-5 PS
Acquired : Dec 21, 1995 13:30:40
Printed : Dec 21, 1995 13:45:19
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	7885	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
--	TCE	8.220	0	0.000	0
2		8.575	4338	0.000	0
3	DCPE13C	9.625	1075814	909.245	0
4		10.517	6722	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.833	506739	887.556	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

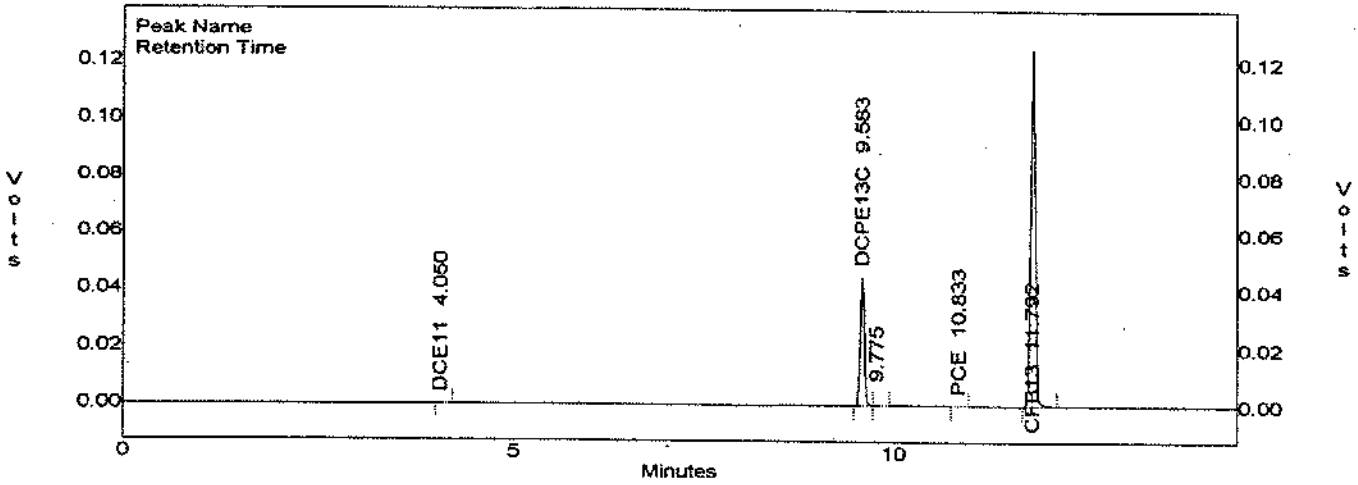
Totals :

	1601499	1796.801

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.065
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : ~~SV-1265P3~~ SV-17-5 P8
Acquired : Dec 21, 1995 13:30:40
Printed : Dec 21, 1995 13:45:21
User : PAS

C:\LABQUEST\CHROM\L1265.065 -- Channel B



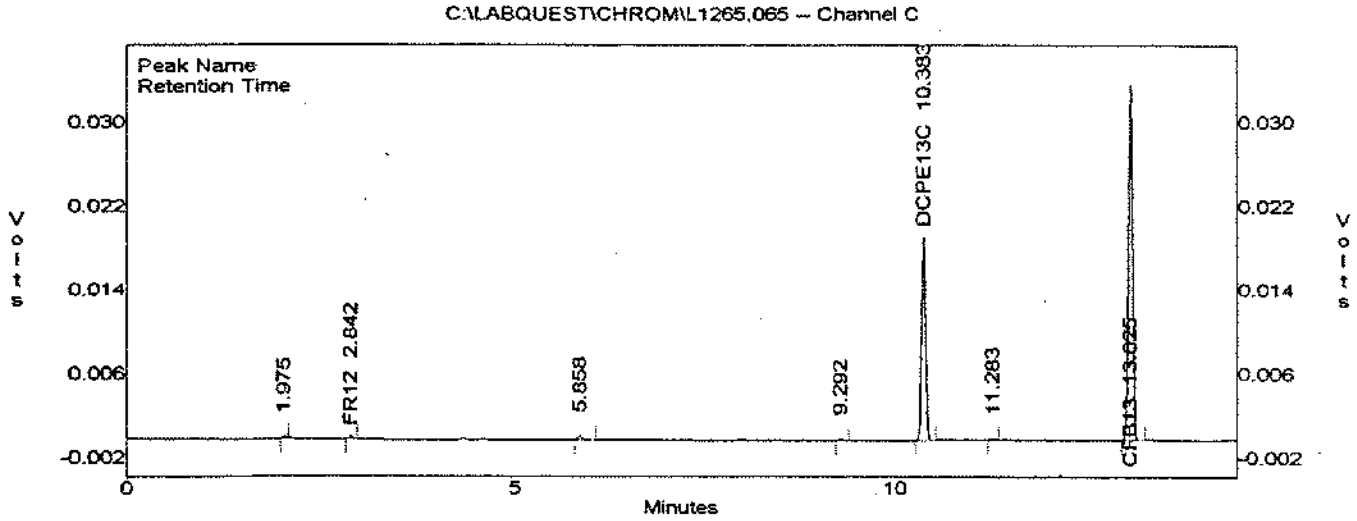
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.050	1468	0.509	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.583	167499	847.628	0
3		9.775	1437	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.833	691	0.225	0
5	CFB13	11.792	505858	856.526	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0

Totals :

676954 1704.888

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.065
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-1~~8~~5
Acquired : Dec 21, 1995 13:30:40
Printed : Dec 21, 1995 13:45:23
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	695	0.000	0
2	FR12	2.842	914	~~1.768~~ 95	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.858	1925	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.292	549	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.383	66341	1006.577	0
--	TCA112	11.110	0	0.000	0
6		11.283	571	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.025	121235	1003.247	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0

Totals :

	192232	2011.593

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-16-5

Time Sampled: 1320

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 71

Ground Surface: Asphalt

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2sec.

Notes:

Max. Purge Vacuum (in. Hg): 15

Equilibrium Time: 2sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: D. Schumann

Date: 12-21-95 Time: 1222

Volume Analyzed (ml): 1.0

Time Injected: 1350 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 94 89 % PID: 85 86 % FID: 100 100 %

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-15-5

Probe Depth (ft): 5

Time Sampled: 1343

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 71

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

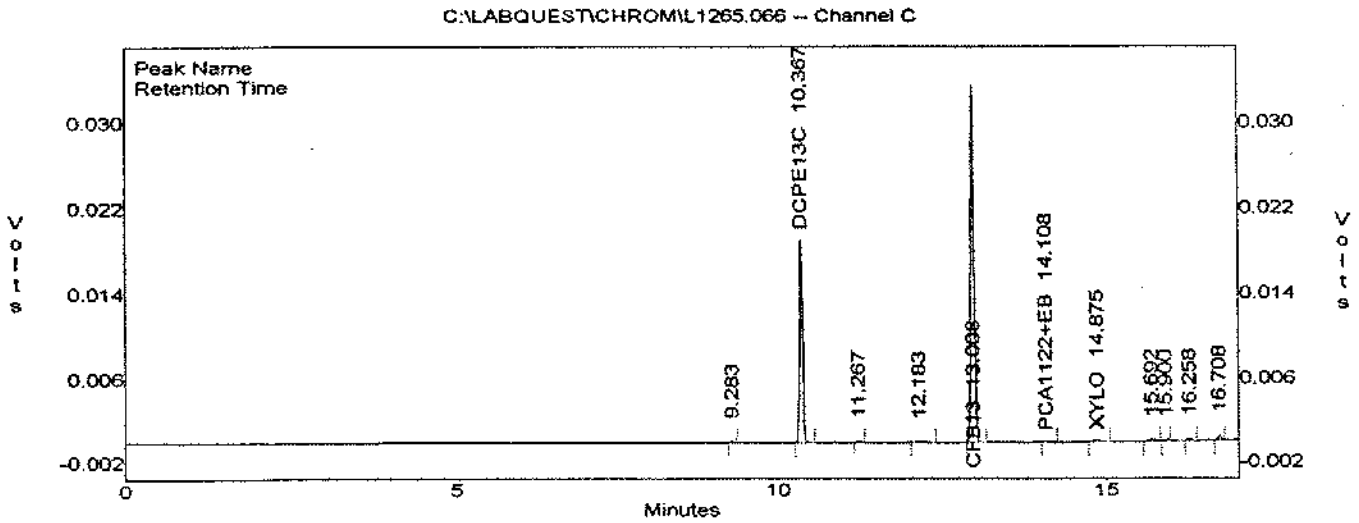
Date: 12-21-95 Time: 1351

Time Injected: 1410 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene 10	~~11 (0.95)~~ 95				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 87 85 % PID: 83 84 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.066
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-16-5
Acquired : Dec 21, 1995 13:50:01
Printed : Dec 21, 1995 14:07:27
User : PAS

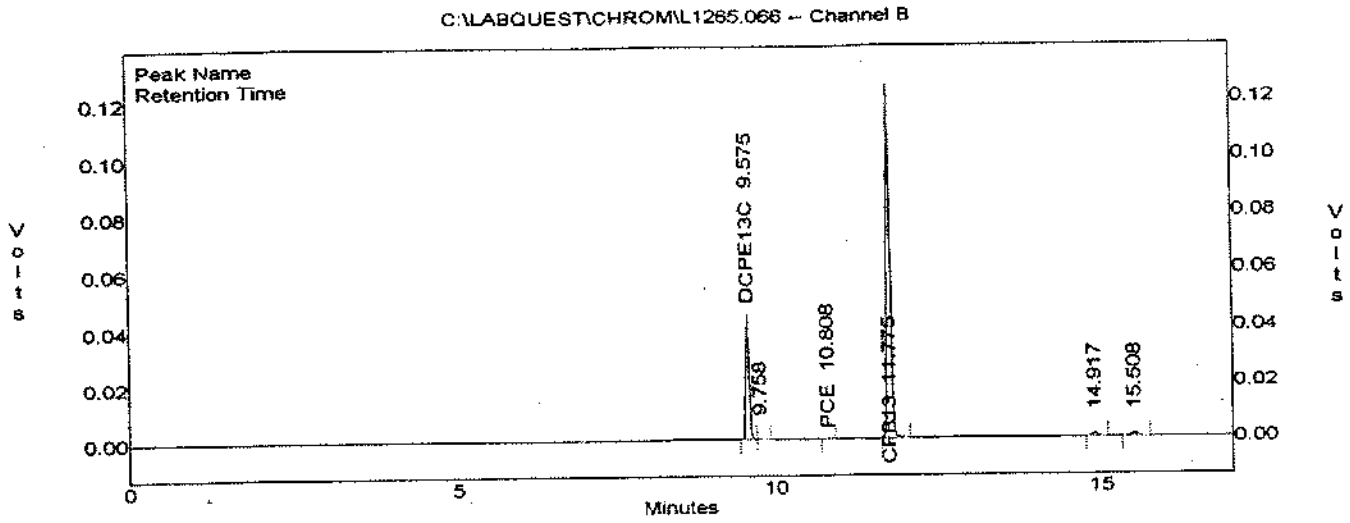


Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.283	511	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.367	65856	999.207	0
--	TCA112	11.110	0	0.000	0
3		11.267	598	0.000	0
--	TOL	11.430	0	0.000	0
4		12.183	1084	0.000	0
--	PCE	12.710	0	0.000	0
5	CFB13	13.008	120466	996.886	0
--	PCA1112	13.490	0	0.000	0
6	PCA1122+EB	14.108	589	0.788	0
--	XYLMP	14.230	0	0.000	0
7	XYLO	14.875	1551	0.912	0
8		15.692	1351	0.000	0
9		15.900	557	0.000	0
10		16.258	902	0.000	0
11		16.708	1622	0.000	0
Totals :			195091	1997.793	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

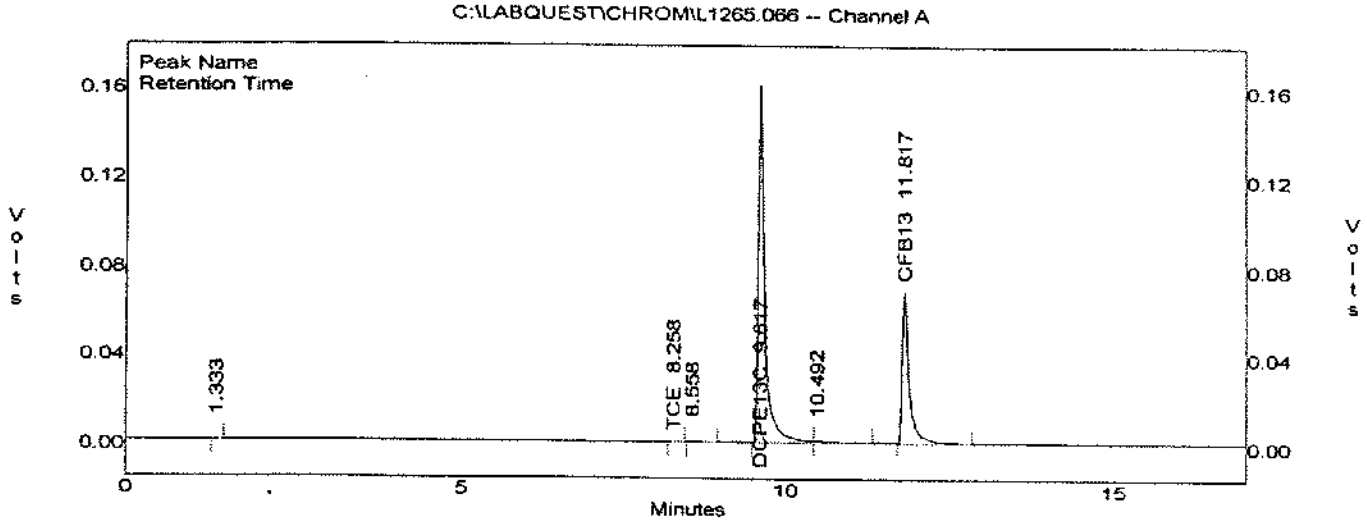
File : C:\LABQUEST\CHROM\L1265.066
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-16-5
Acquired : Dec 21, 1995 13:50:01
Printed : Dec 21, 1995 14:07:25
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.575	167563	847.952	0
2		9.758	1525	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.808	538	0.175	0
4	CFB13	11.775	505369	855.698	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		14.917	7603	0.000	0
6		15.508	9069	0.000	0
Totals :			691668	1703.825	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.066
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-16-5
Acquired : Dec 21, 1995 13:50:01
Printed : Dec 21, 1995 14:07:21
User : PAS



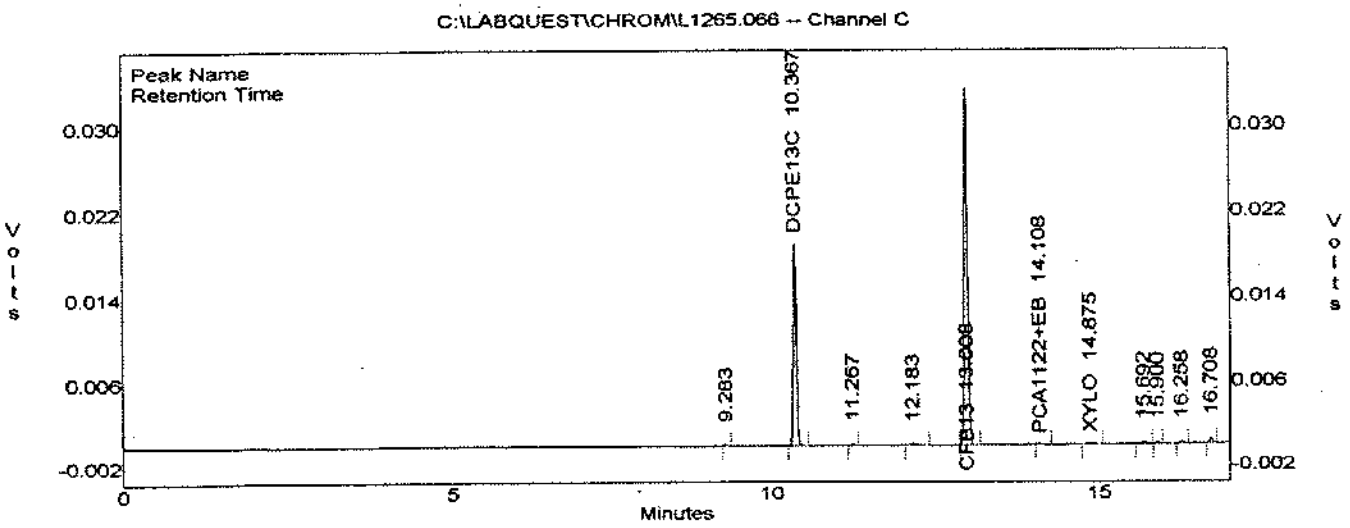
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.333	919	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.258	800	0.076	0
3		8.558	5256	0.000	0
4	DCPE13C	9.617	1109782	937.954	0
5		10.492	15648	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.817	507940	889.661	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1640347	1827.691

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.066
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-16-5
Acquired : Dec 21, 1995 13:50:01
Printed : Dec 21, 1995 14:07:27
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.283	511	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.367	65856	999.207	0
--	TCA112	11.110	0	0.000	0
3		11.267	598	0.000	0
--	TOL	11.430	0	0.000	0
4		12.183	1084	0.000	0
--	PCE	12.710	0	0.000	0
5	CFB13	13.008	120466	996.886	0
--	PCA1112	13.490	0	0.000	0
6	PCA1122+EB	14.108	589	0.788	0
--	XYLMP	14.230	0	0.000	0
7	XYLO	14.875	1551	0.912	0
8		15.692	1351	0.000	0
9		15.900	557	0.000	0
10		16.258	902	0.000	0
11		16.708	1622	0.000	0
Totals :			195091	1997.793	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-15-5

Probe Depth (ft): 5

Time Sampled: 1343

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 71

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

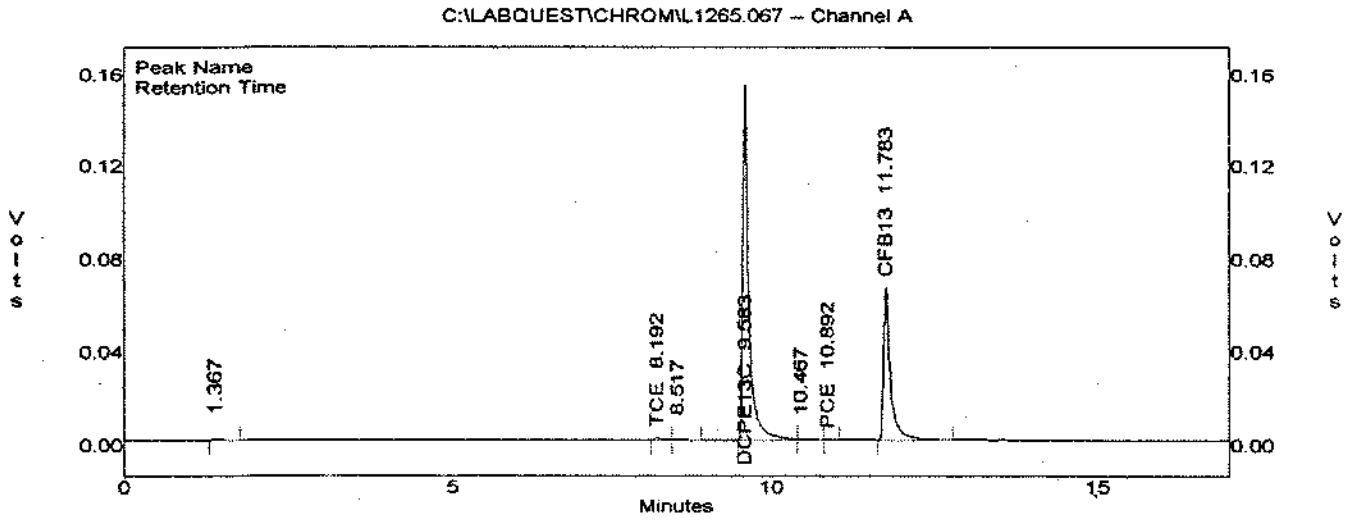
Date: 12-21-95 Time: 1351

Time Injected: 1410 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene 1.0	~~<1 (0.95)~~ 95 ✓				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 87 85 % PID: 83 84 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.067
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-15-5
Acquired : Dec 21, 1995 14:12:25
Printed : Dec 21, 1995 14:29:45
User : PAS



Channel A Results

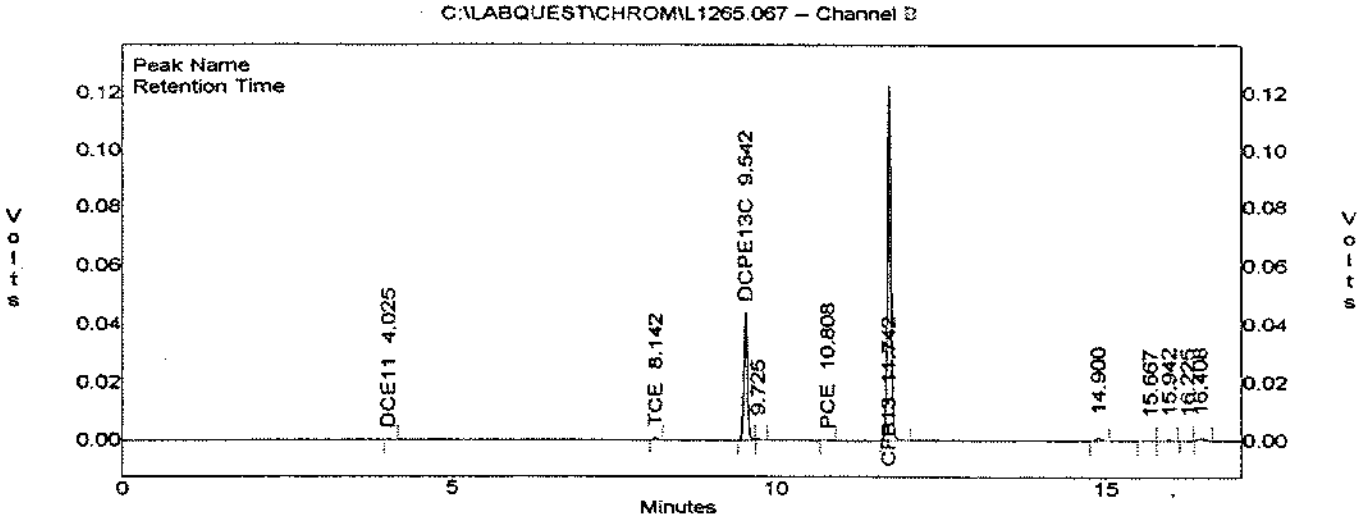
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.367	7670	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.192	10049	0.951	0
3		8.517	6056	0.000	0
4	DCPE13C	9.583	1030814	871.212	0
5		10.467	5617	0.000	0
--	TCA112	10.760	0	0.000	0
6	PCE	10.892	674	0.044	0
7	CFB13	11.783	484513	848.627	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1545395	1720.835

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.067
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-15-5
Acquired : Dec 21, 1995 14:12:25
Printed : Dec 21, 1995 14:29:49
User : PAS



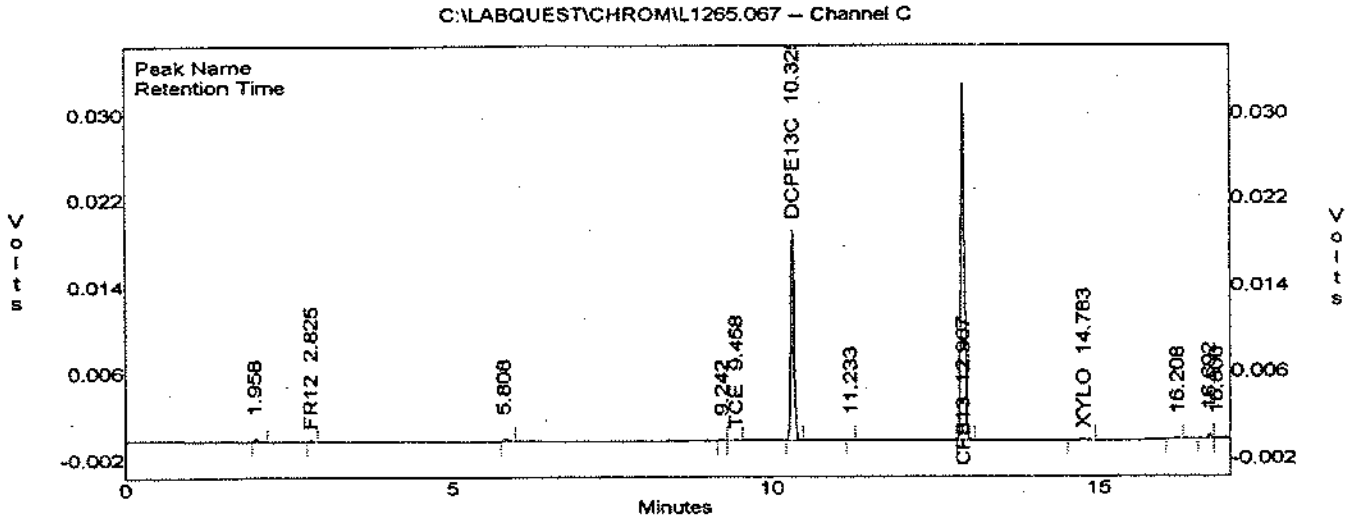
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.025	1040	~~0.361 Q5~~	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.142	3238	0.860	0
3	DCPE13C	9.542	164433	832.112	0
4		9.725	1200	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.808	781	0.254	0
6	CFB13	11.742	494476	837.254	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.900	6327	0.000	0
8		15.667	520	0.000	0
9		15.942	1853	0.000	0
10		16.225	1758	0.000	0
11		16.408	5766	0.000	0

Totals :

	681396	1670.841

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.067
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-15-5
Acquired : Dec 21, 1995 14:12:25
Printed : Dec 21, 1995 14:29:51
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.958	1218	0.000	0
2	FR12	2.825	658	~~1.272~~ Not on Hall PS	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.808	1422	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.242	586	0.000	0
5	TCE	9.458	552	1.855	0
6	DCPE13C	10.325	66366	1006.953	0
--	TCA112	11.110	0	0.000	0
7		11.233	570	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	12.967	120484	997.035	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
9	XYLO	14.783	1086	0.639	0
10		16.208	510	0.000	0
11		16.692	1658	0.000	0
12		16.800	1124	0.000	0
Totals :			196240	2007.754	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-7-5

Time Sampled: 1416

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 72

Ground Surface: Asphalt

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2 sec.

Notes:

Max. Purge Vacuum (in. Hg): 13

Equilibrium Time: 2 sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1432

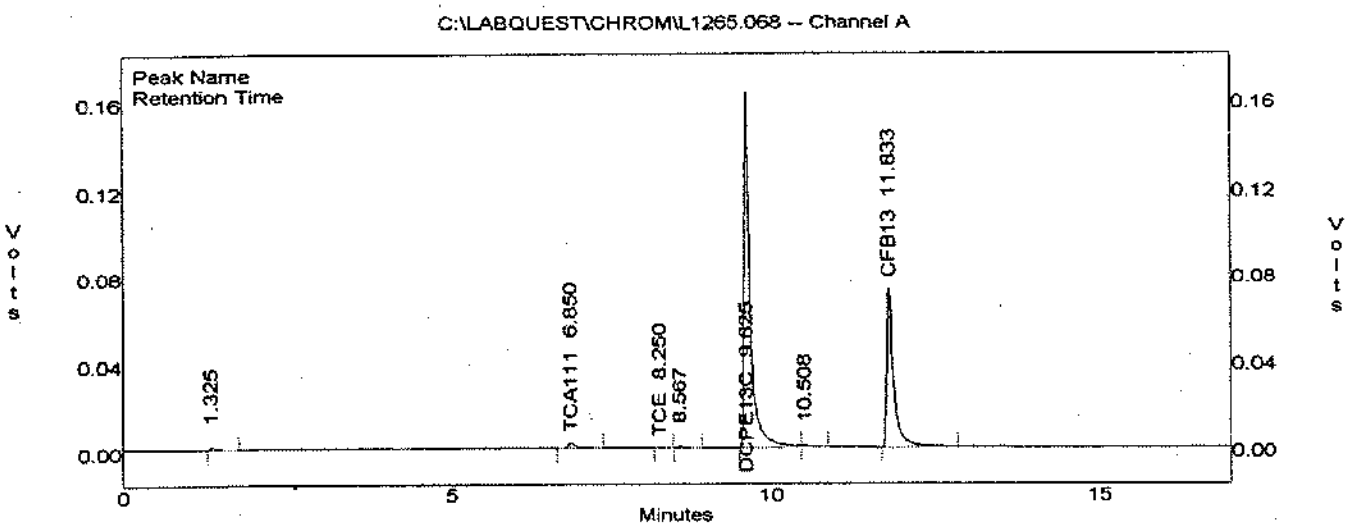
Volume Analyzed (ml): 1.0

Time Injected: 1433 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	2.1 ✓		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 92 91 % PID: 84 85 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.068
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-7-5
Acquired : Dec 21, 1995 14:35:55
Printed : Dec 21, 1995 14:53:16
User : PAS



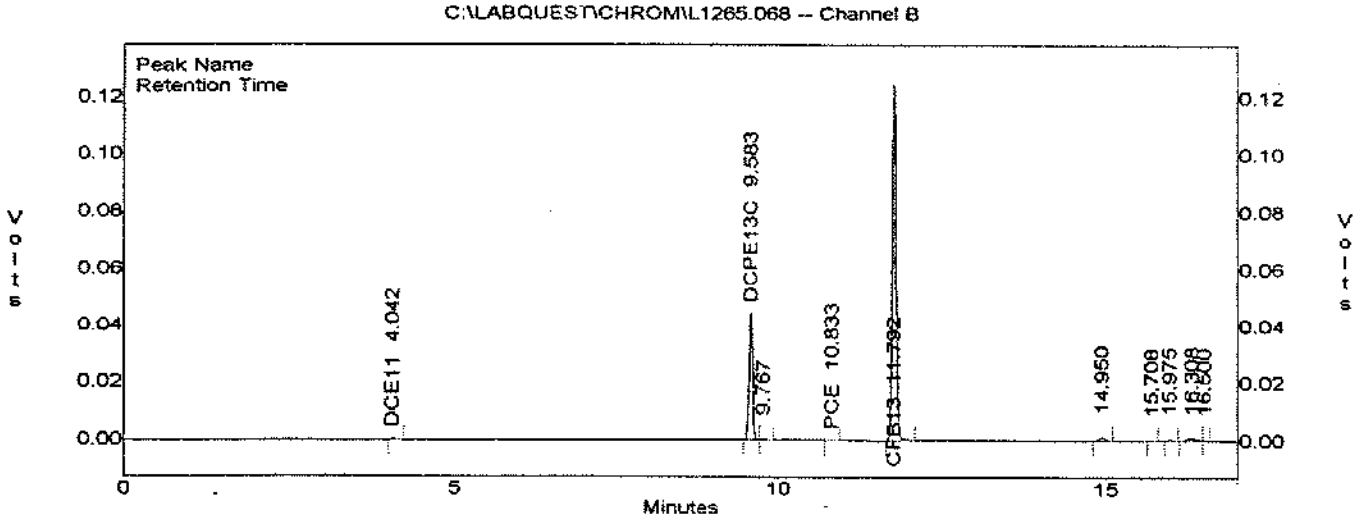
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.325	8769	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.850	22400	2.147	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.250	1732	0.164	0
4		8.567	5014	0.000	0
5	DCPE13C	9.625	1094110	924.708	0
6		10.508	6205	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.833	516800	905.179	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals : 1655033 1832.198

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.068
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-7-5
Acquired : Dec 21, 1995 14:35:55
Printed : Dec 21, 1995 14:53:19
User : PAS



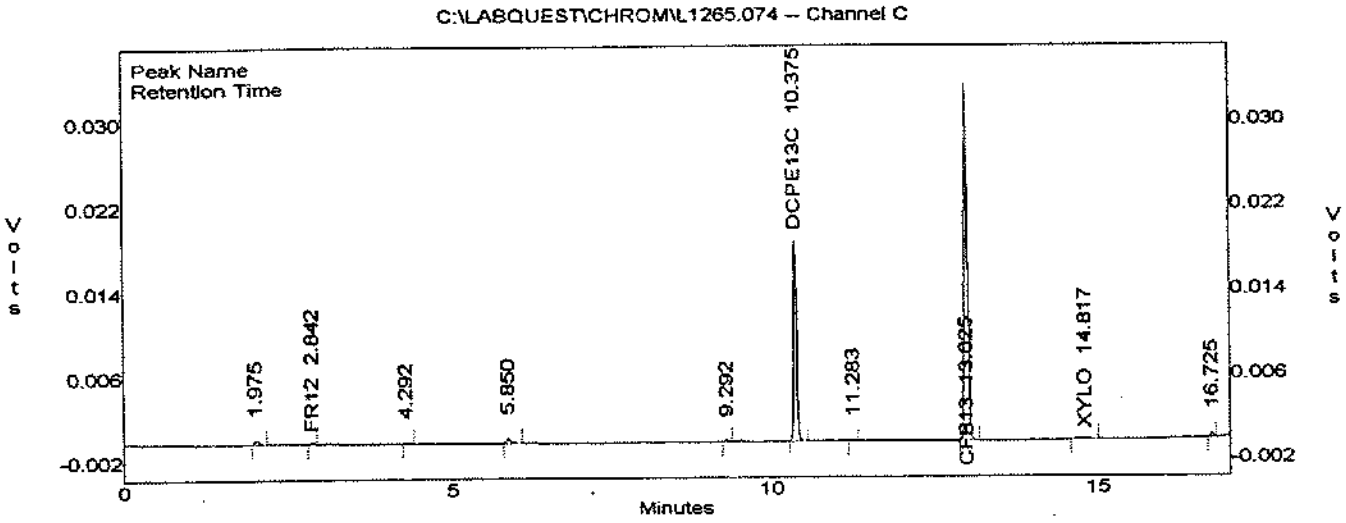
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.042	2185	0 ~~.758~~ Not on Hall Pg	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.583	166076	840.425	0
3		9.767	1501	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.833	821	0.267	0
5	CFB13	11.792	501258	848.738	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.950	8264	0.000	0
7		15.708	760	0.000	0
8		15.975	2722	0.000	0
9		16.308	8419	0.000	0
10		16.500	882	0.000	0

Totals :

	692892	1690.188

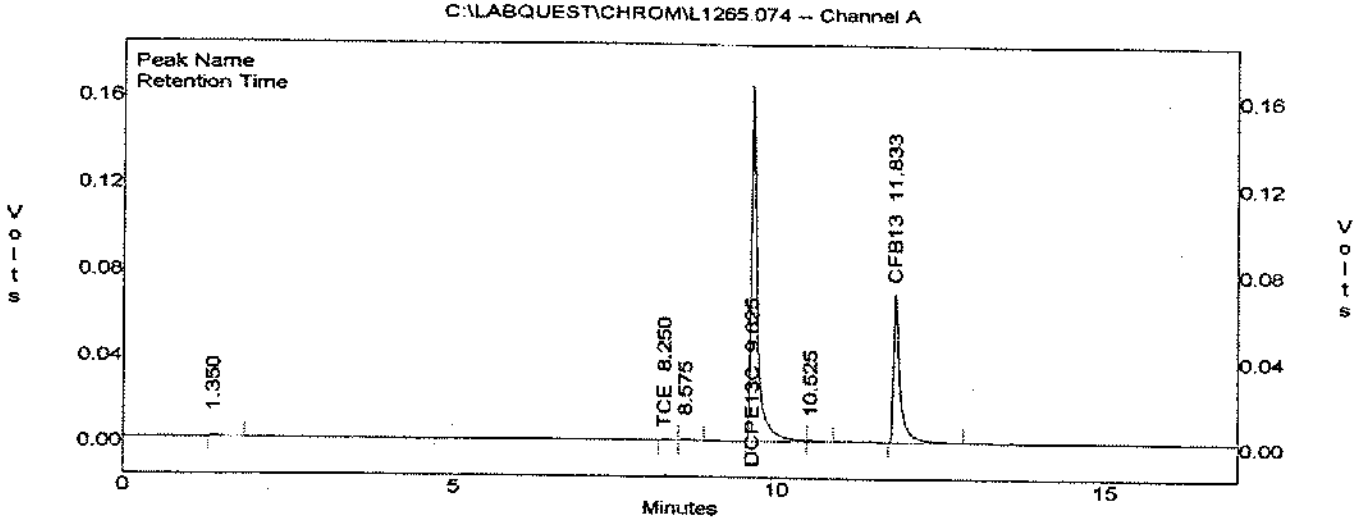
Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.074
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-9-5
Acquired : Dec 21, 1995 16:54:43
Printed : Dec 21, 1995 17:12:10
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	1980	0.000	0
2	FR12	2.842	649	~~1.255~~	0
--	VC	3.640	0	0.000	0
3		4.292	600	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.850	2497	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.292	567	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.375	66540	1009.593	0
--	TCA112	11.110	0	0.000	0
7		11.283	603	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.025	121006	1001.348	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
9	XYLO	14.817	1171	0.689	0
10		16.725	1372	0.000	0
Totals :			196988	2012.885	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.074
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-9-5
Acquired : Dec 21, 1995 16:54:43
Printed : Dec 21, 1995 17:12:05
User : PAS



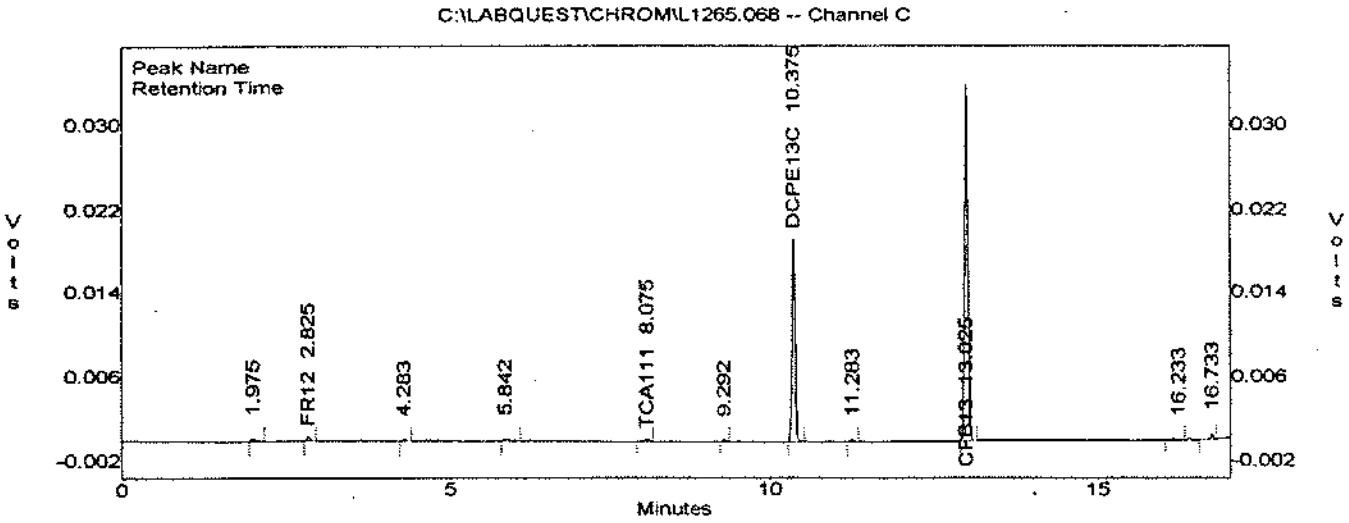
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	7796	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.250	5398	0.511	0
3		8.575	5228	0.000	0
4	DCPE13C	9.625	1100867	930.418	0
5		10.525	6212	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.833	497162	870.783	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1622666	1801.713

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.068
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-7-5
Acquired : Dec 21, 1995 14:35:55
Printed : Dec 21, 1995 14:53:21
User : PAS

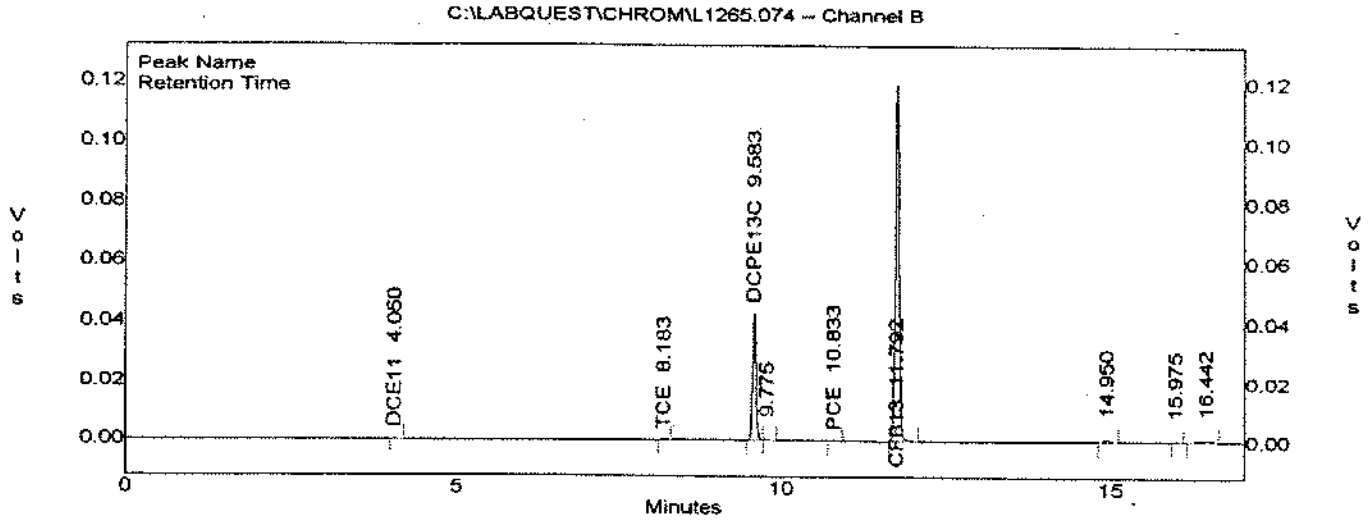


Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	1213	0.000	0
2	FR12	2.825	1665	~~3.221~~ Not on Hall PS	0
--	VC	3.640	0	0.000	0
3		4.283	679	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.842	1441	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
5	TCA111	8.075	1093	3.611	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
6		9.292	536	0.000	0
--	TCE	9.520	0	0.000	0
7	DCPE13C	10.375	66507	1009.085	0
--	TCA112	11.110	0	0.000	0
8		11.283	594	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
9	CFB13	13.025	121084	1001.996	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
10		16.233	573	0.000	0
11		16.733	1680	0.000	0
Totals :			197068	2017.913	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.074
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-9-5
Acquired : Dec 21, 1995 16:54:43
Printed : Dec 21, 1995 17:12:08
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.050	1779	0.618	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.183	1747	0.464	0
3	DCPE13C	9.583	161748	818.523	0
4		9.775	1380	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.833	680	0.221	0
6	CFB13	11.792	486874	824.382	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.950	6967	0.000	0
8		15.975	790	0.000	0
9		16.442	7145	0.000	0
Totals :			669112	1644.208	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 LoS

Sample I.D.: SV-6-5

Time Sampled: 1652

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 67

Ground Surface: Asphalt

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2 sec

Notes:

Max. Purge Vacuum (in. Hg): 13

Equilibrium Time: 2 sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1600 PS

Volume Analyzed (ml): 1.0

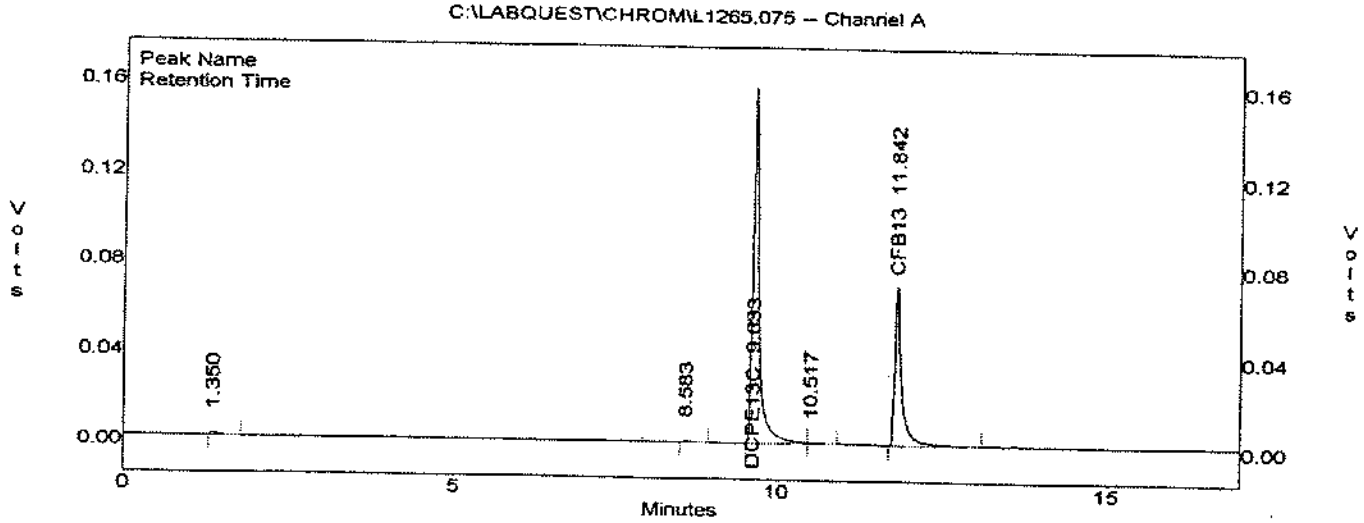
Time Injected: 1716

Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 92 90 % PID: 82 83 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.075
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-6-5
Acquired : Dec 21, 1995 17:17:41
Printed : Dec 21, 1995 17:35:02
User : PAS



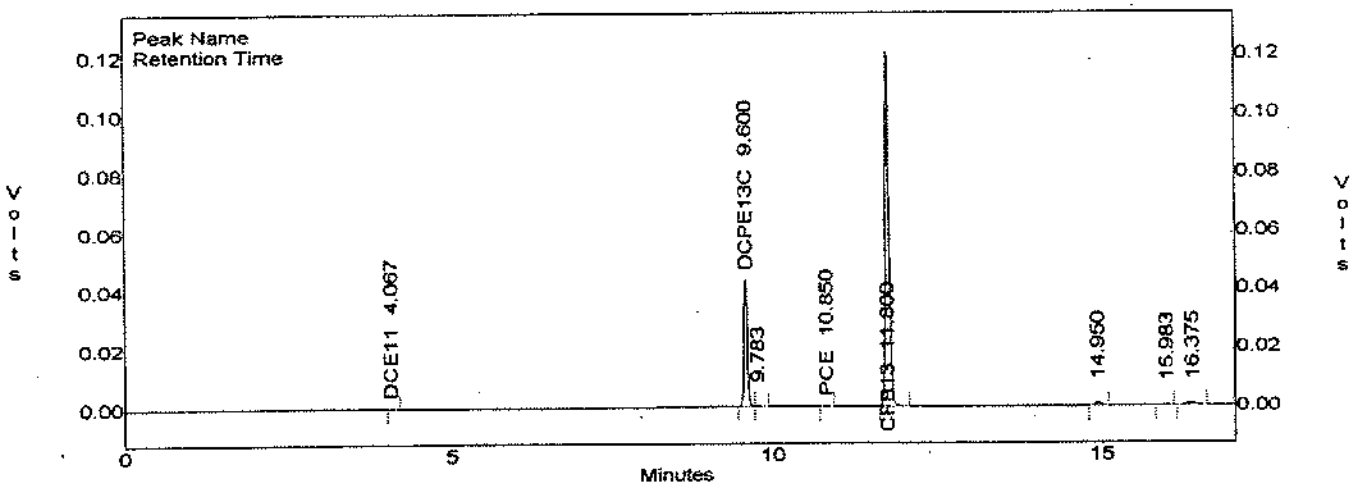
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	9864	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
--	TCE	8.220	0	0.000	0
2		8.583	4268	0.000	0
3	DCPE13C	9.633	1089795	921.061	0
4		10.517	7094	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.842	511075	895.152	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1622098	1816.213	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.075
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-6-5
Acquired : Dec 21, 1995 17:17:41
Printed : Dec 21, 1995 17:35:05
User : PAS

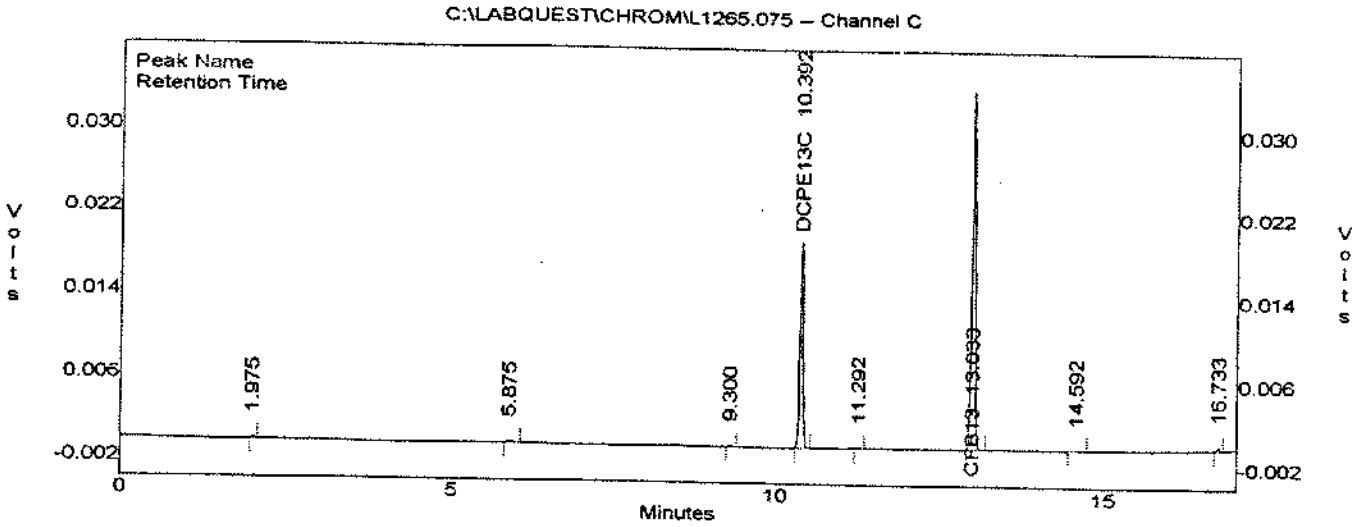
C:\LABQUEST\CHROM\L1265.075 – Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.067	611	0 ~~.212 PS~~	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.600	161768	818.627	0
3		9.783	1459	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.850	585	0 ~~.190 PS~~	0
5	CFB13	11.800	488440	827.034	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.950	6631	0.000	0
7		15.983	1303	0.000	0
8		16.375	7532	0.000	0
Totals :			668332	1646.063	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.075
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-6-5
Acquired : Dec 21, 1995 17:17:41
Printed : Dec 21, 1995 17:35:07
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	656	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.875	1206	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.300	587	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.392	66553	1009.783	0
--	TCA112	11.110	0	0.000	0
5		11.292	604	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.033	121429	1004.853	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
7		14.592	572	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.733	1272	0.000	0
Totals :			192881	2014.635	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-5-5

Probe Depth (ft): 5

Time Sampled: 1710

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 66

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 12

Purge Volume (liters): 400ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

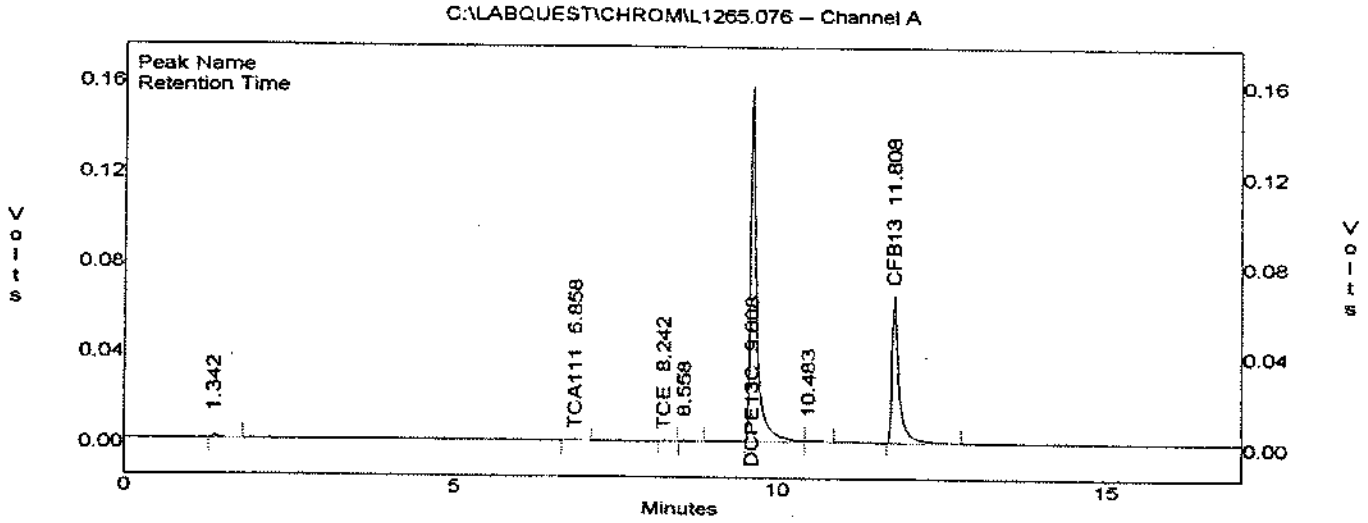
Date 12-21-95 Time: 1717

Time Injected: 1738 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 92 84 % PID: 81 81 % FID: 100 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.076
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-5-5
Acquired : Dec 21, 1995 17:40:18
Printed : Dec 21, 1995 17:57:33
User : PAS

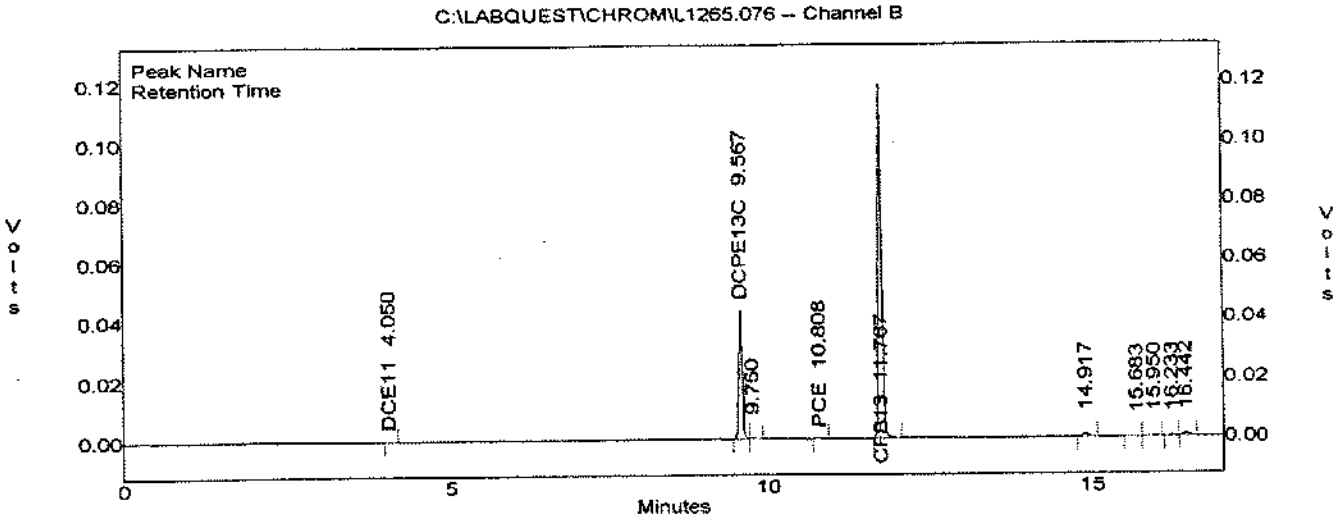


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	8369	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.858	1869	0.179	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.242	1375	0.130	0
4		8.558	4043	0.000	0
5	DCPE13C	9.608	1083663	915.879	0
6		10.483	7073	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.808	481112	842.671	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1587507	1758.859	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

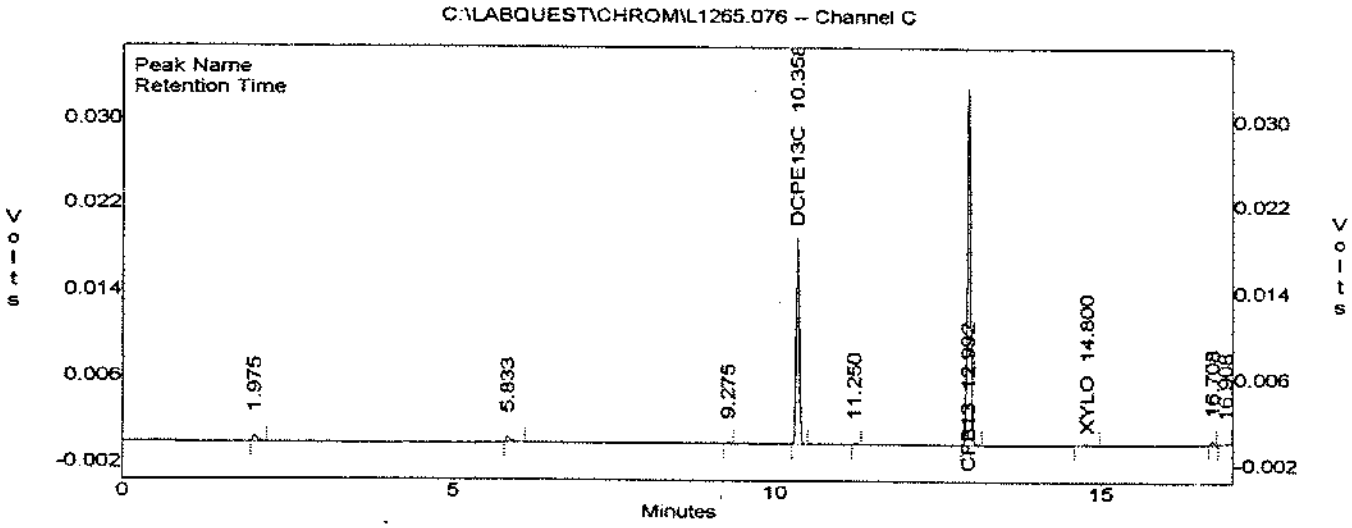
File : C:\LABQUEST\CHROM\L1265.076
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-5-5
Acquired : Dec 21, 1995 17:40:18
Printed : Dec 21, 1995 17:57:35
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.050	637	0.221	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.567	159507	807.182	0
3		9.750	1401	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.808	571	0.186	0
5	CFB13	11.767	478556	810.299	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.917	6555	0.000	0
7		15.683	613	0.000	0
8		15.950	2259	0.000	0
9		16.233	2301	0.000	0
10		16.442	5925	0.000	0
Totals :			658329	1617.888	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.076
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-5-5
Acquired : Dec 21, 1995 17:40:18
Printed : Dec 21, 1995 17:57:37
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	2841	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.833	2872	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.275	536	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.358	66224	1004.798	0
--	TCA112	11.110	0	0.000	0
5		11.250	557	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	12.992	120170	994.434	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
7	XYLO	14.800	1049	0.617	0
8		16.708	1301	0.000	0
9		16.908	500	0.000	0
Totals :			196053	1999.850	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 605

Sample I.D.: TB 21 Dec 95

Time Sampled: 0835

Date Sampled: 12-21-95

Probe Depth (ft): —

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: —

Air Temp (F): —

Ground Surface: —

Wind dir/speed: —

Sample Parameters

Probe Volume (ml): —

Purge Volume (liters): —

Purge Time: —

Notes:

Max. Purge Vacuum (in. Hg): —

Equilibrium Time: —

Sample Volume (ml): 10

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1717

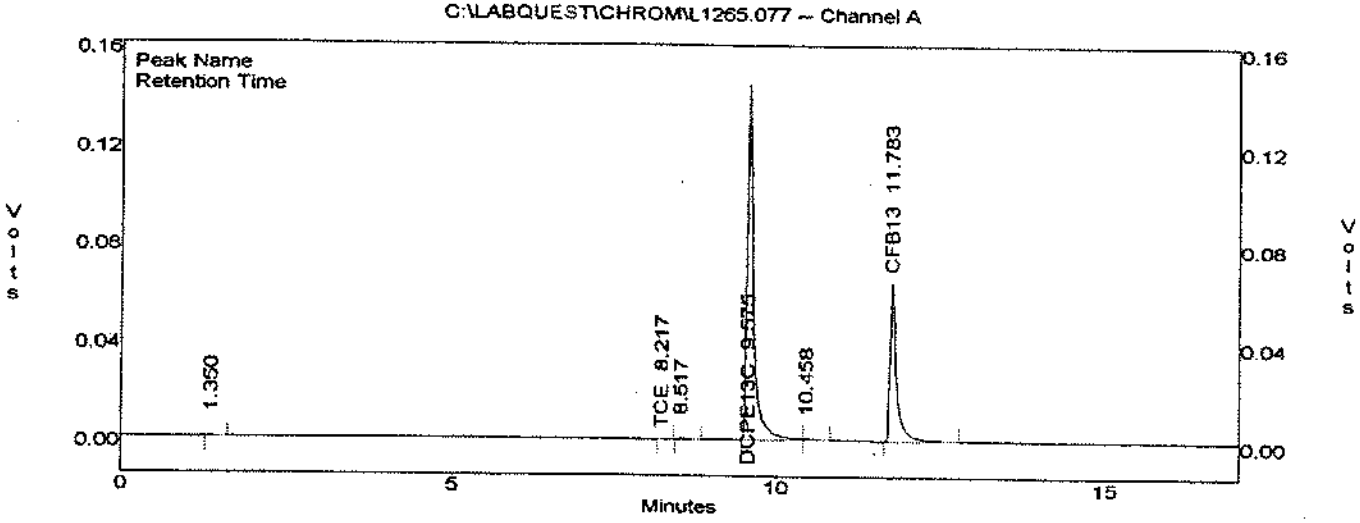
Volume Analyzed (ml): 1.0

Time Injected: 1800 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 84 80 % PID: 80 80 % FID: 101 99 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.077
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB21DEC95
Acquired : Dec 21, 1995 18:02:53
Printed : Dec 21, 1995 18:20:19
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	2231	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.217	644	0.061	0
3		8.517	3794	0.000	0
4	DCPE13C	9.575	990693	837.303	0
5		10.458	5599	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.783	457789	801.820	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

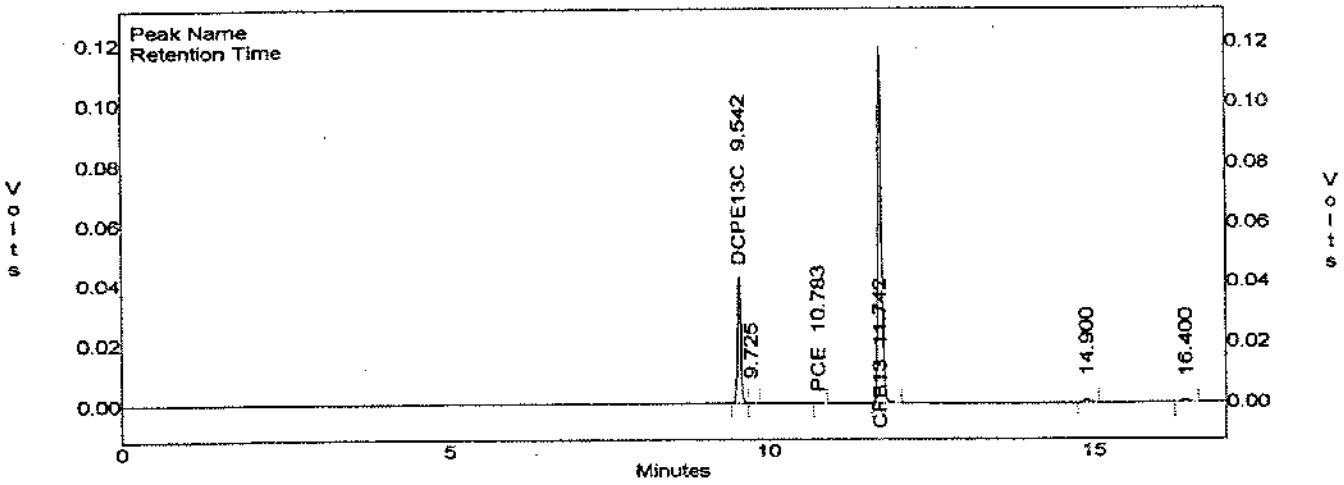
Totals :

1460751 1639.184

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.077
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB21DEC95
Acquired : Dec 21, 1995 18:02:53
Printed : Dec 21, 1995 18:20:23
User : PAS

C:\LABQUEST\CHROM\L1265.077 -- Channel B

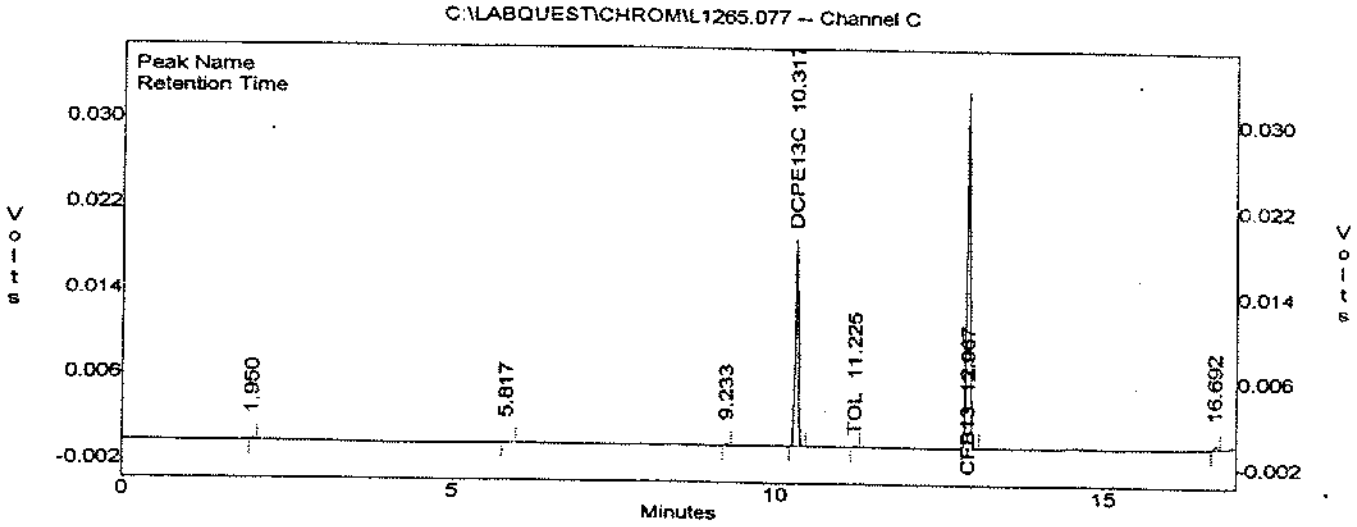


Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.542	158408	801.624	0
2		9.725	1316	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.783	503	~~0.164~~ ppb	0
4	CFB13	11.742	474140	802.821	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		14.900	6188	0.000	0
6		16.400	4882	0.000	0

Totals : 645439 1604.609

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.077
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB21DEC95
Acquired : Dec 21, 1995 18:02:53
Printed : Dec 21, 1995 18:20:25
User : PAS



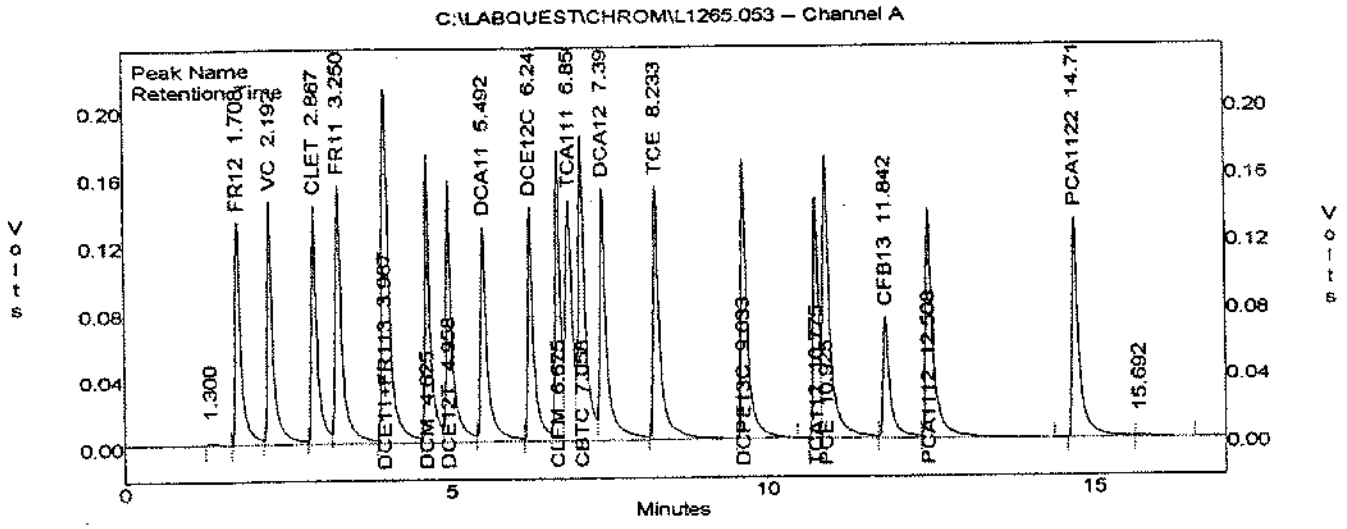
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.950	761	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.817	605	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.233	546	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.317	66391	1007.332	0
--	TCA112	11.110	0	0.000	0
5	TOL	11.225	571	0.378	0
--	PCE	12.710	0	0.000	0
6	CFB13	12.967	120066	993.574	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
7		16.692	1223	0.000	0

Totals :

190164 2001.284

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.053
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS)
Acquired : Dec 21, 1995 07:48:50
Printed : Dec 21, 1995 08:06:14
User : PAS

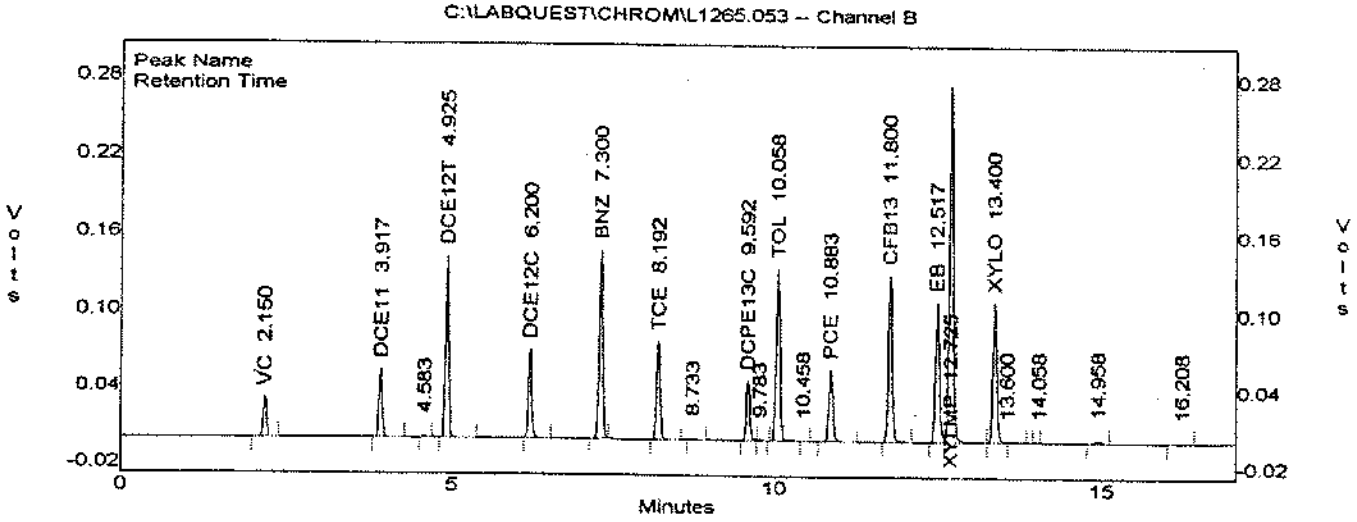


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.300	16978	0.000	0
2	FR12	1.708	813982	0.114	0
3	VC	2.192	932891	0.134	0
4	CLET	2.867	864499	0.136	0
5	FR11	3.250	1142042	0.104	0
6	DCE11+FR113	3.967	1708157	0.236	0
7	DCM	4.625	989699	0.106	0
8	DCE12T	4.958	1010668	0.106	0
9	DCA11	5.492	968215	0.094	0
10	DCE12C	6.242	919209	0.102	0
11	CLFM	6.675	981142	0.085	0
12	TCA111	6.850	1021574	0.098	0
13	CBTC	7.058	1412604	0.115	0
14	DCA12	7.392	1136458	0.112	0
15	TCE	8.233	1133412	0.107	0
16	DCPE13C	9.633	1136987	0.961	0
17	TCA112	10.775	777693	0.042	0
18	PCE	10.925	1378282	0.091	0
19	CFB13	11.842	533617	0.935	0
20	PCA1112	12.508	1075504	0.100	0
21	PCA1122	14.717	1003881	0.101	0
22		15.692	24047	0.000	0
Totals :			20981552	3.879	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.053
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 21, 1995 07:48:50
Printed : Dec 21, 1995 08:06:18
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.150	108303	0.110	0
2	DCE11	3.917	200347	0.070	0
3		4.583	4026	0.000	0
4	DCE12T	4.925	472020	0.079	0
5	DCE12C	6.200	248616	0.075	0
6	BNZ	7.300	576109	0.087	0
7	TCE	8.192	299276	0.080	0
8		8.733	4620	0.000	0
9	DCPE13C	9.592	177692	0.899	0
10		9.783	1679	0.000	0
11	TOL	10.058	541926	0.098	0
12		10.458	671	0.000	0
13	PCE	10.883	241378	0.078	0
14	CFB13	11.800	526529	0.892	0
15	EB	12.517	464759	0.083	0
16	XYLMP	12.725	1181537	0.202	0
17	XYLO	13.400	471187	0.082	0
18		13.600	2798	0.000	0
19		14.058	4831	0.000	0
20		14.958	9450	0.000	0
21		16.208	4842	0.000	0

Totals :

	5542604	2.834

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-29-5

Probe Depth (ft): 5

Time Sampled: 1456

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Soil

Air Temp (F): 70

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 400ml

Equilibrium Time: 2sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

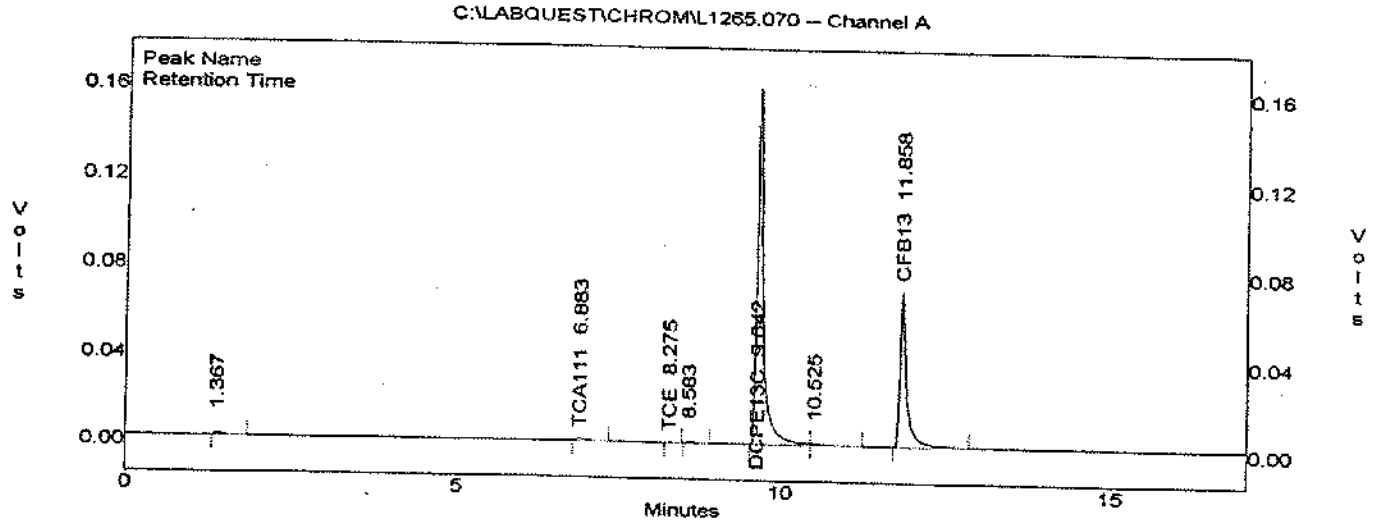
Date: 12-21-95 Time: 1508

Time Injected: 1521 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	1.0		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 92 88 % PID: 84 85 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.070
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-29-5
Acquired : Dec 21, 1995 15:22:31
Printed : Dec 21, 1995 15:39:47
User : PAS



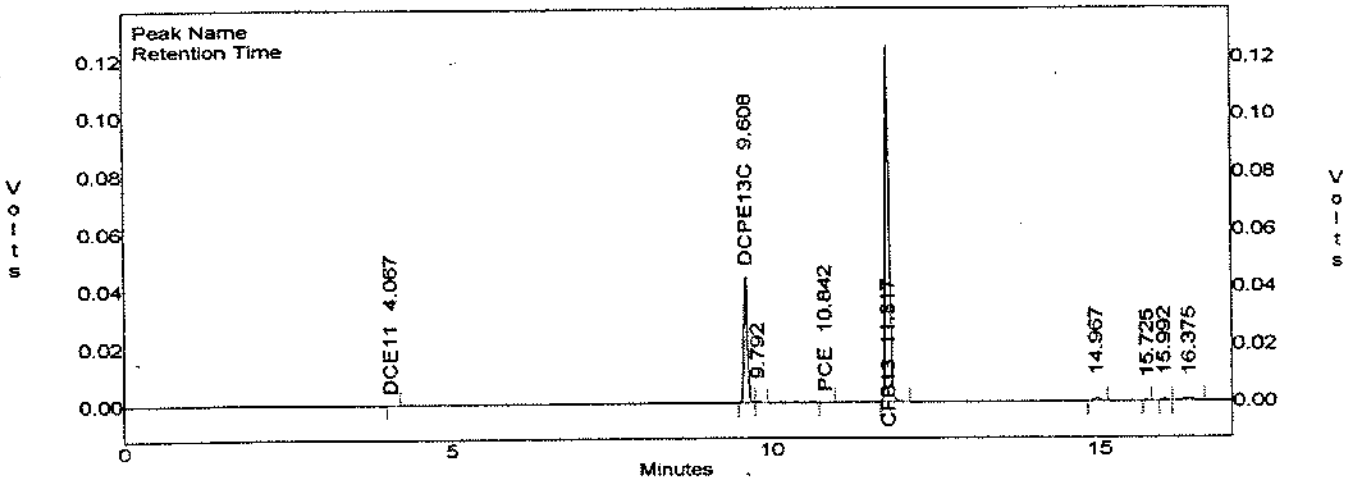
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.367	8702	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.883	10140	0.972	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.275	900	0.085	0
4		8.583	4811	0.000	0
5	DCPE13C	9.642	1091661	922.638	0
6		10.525	13484	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.858	503438	881.775	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1633139	1805.471	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.070
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-29-5
Acquired : Dec 21, 1995 15:22:31
Printed : Dec 21, 1995 15:39:50
User : PAS

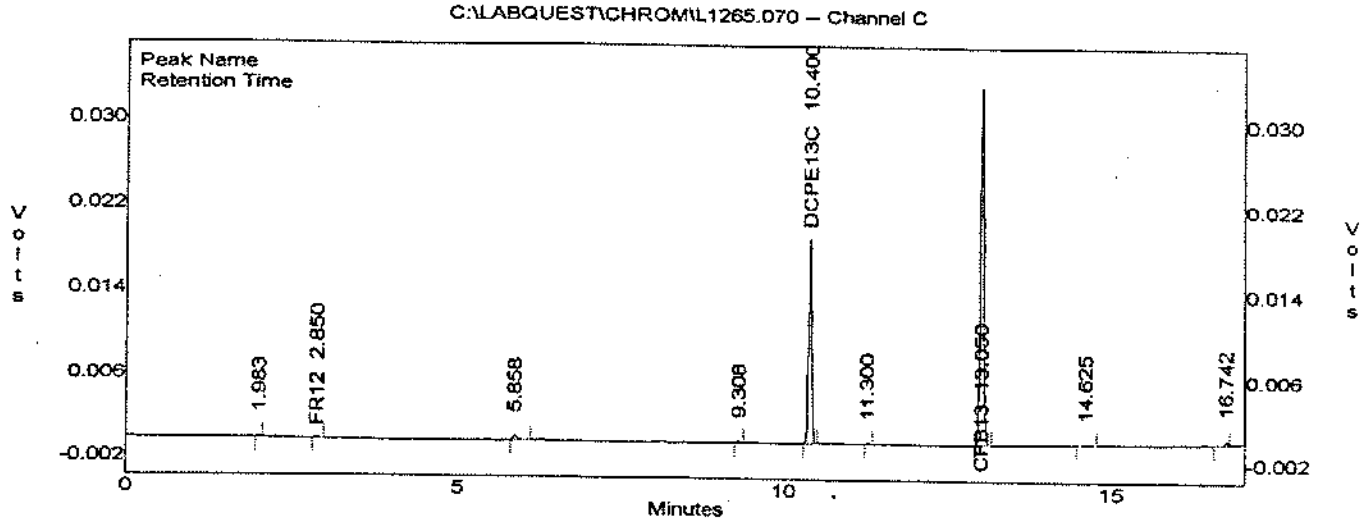
C:\LABQUEST\CHROM\L1265.070 – Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.067	733	0.255	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.608	166020	840.143	0
3		9.792	1405	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.842	654	0.213	0
5	CFB13	11.817	502118	850.193	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.967	7569	0.000	0
7		15.725	857	0.000	0
8		15.992	3013	0.000	0
9		16.375	10667	0.000	0
Totals :			693040	1690.804	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.070
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-29-5
Acquired : Dec 21, 1995 15:22:31
Printed : Dec 21, 1995 15:39:51
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.983	682	0.000	0
2	FR12	2.850	567	~~1.096~~ ps	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.858	2315	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
4		9.308	572	0.000	0
--	TCE	9.520	0	0.000	0
5	DCPE13C	10.400	66269	1005.474	0
--	TCA112	11.110	0	0.000	0
6		11.300	582	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
7	CFB13	13.050	121250	1003.367	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
8		14.625	652	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.742	1556	0.000	0

Totals :

	194446	2009.938

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-12-5

Time Sampled: 1515

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 70

Ground Surface: Soil

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2sec

Notes:

Max. Purge Vacuum (in. Hg): 12

Equilibrium Time: 2sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: ~~1528~~ 1528

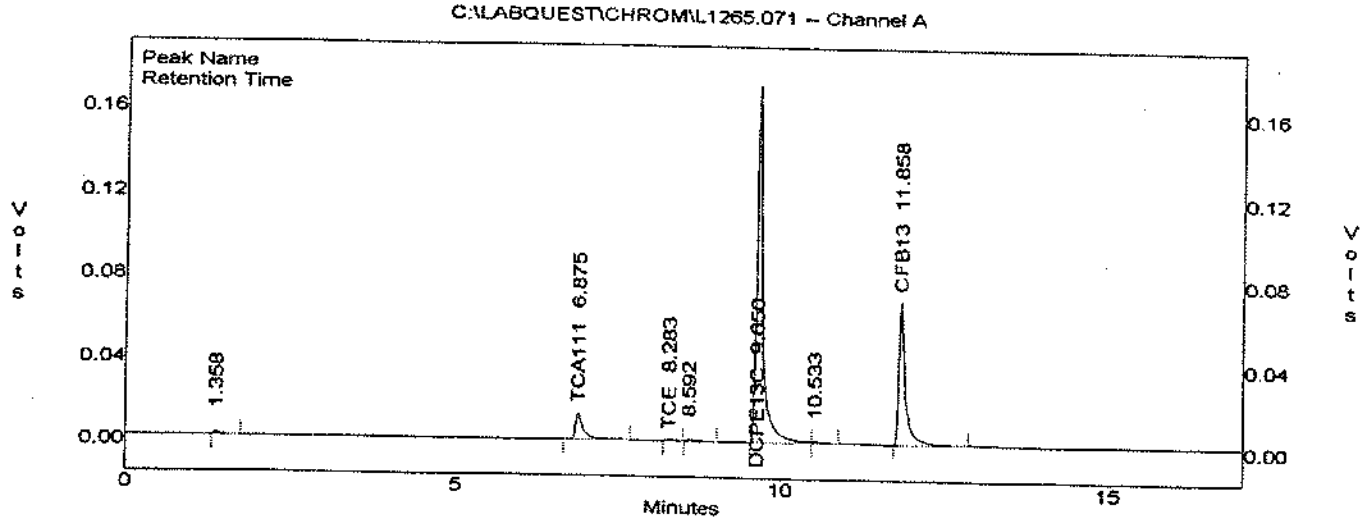
Volume Analyzed (ml): 1.0

Time Injected: 1543 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	11	✓			
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 96 87 % PID: 83 85 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.071
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-5
Acquired : Dec 21, 1995 ~~08~~ 15:45:09
Printed : Dec 21, 1995 16:09:18
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.358	9486	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.875	112185	10.751 ✓	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.283	3852	0.365	0
4		8.592	6358	0.000	0
5	DCPE13C	9.650	1139702	963.241	0
6		10.533	6315	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.858	499117	874.206	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

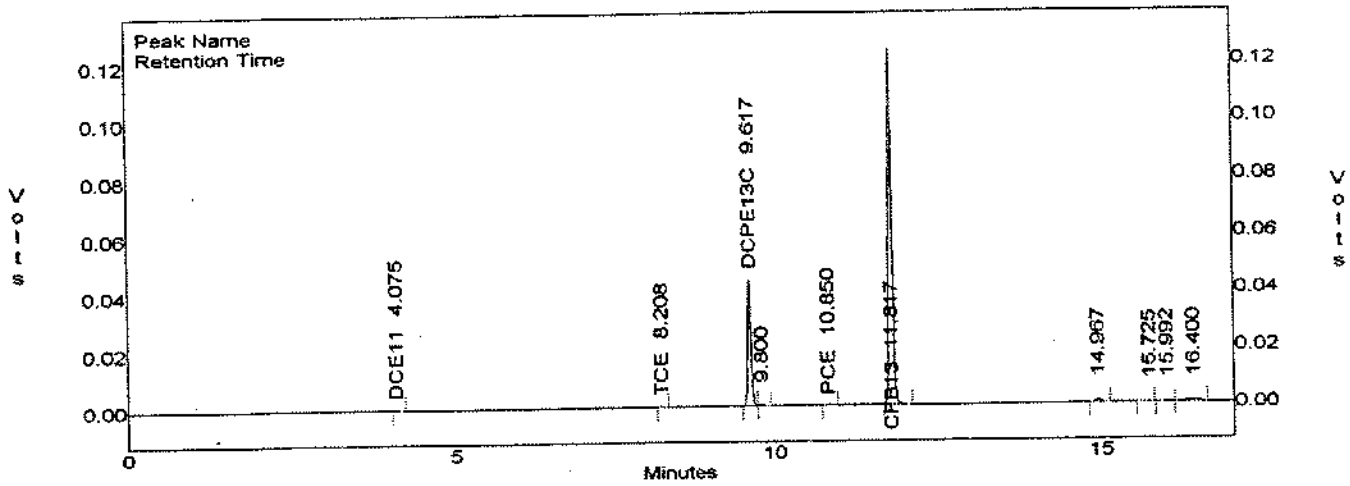
Totals :

1777018 1848.563

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.071
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-5
Acquired : Dec 21, 1995 03:45:09
Printed : Dec 21, 1995 16:09:22
User : PAS

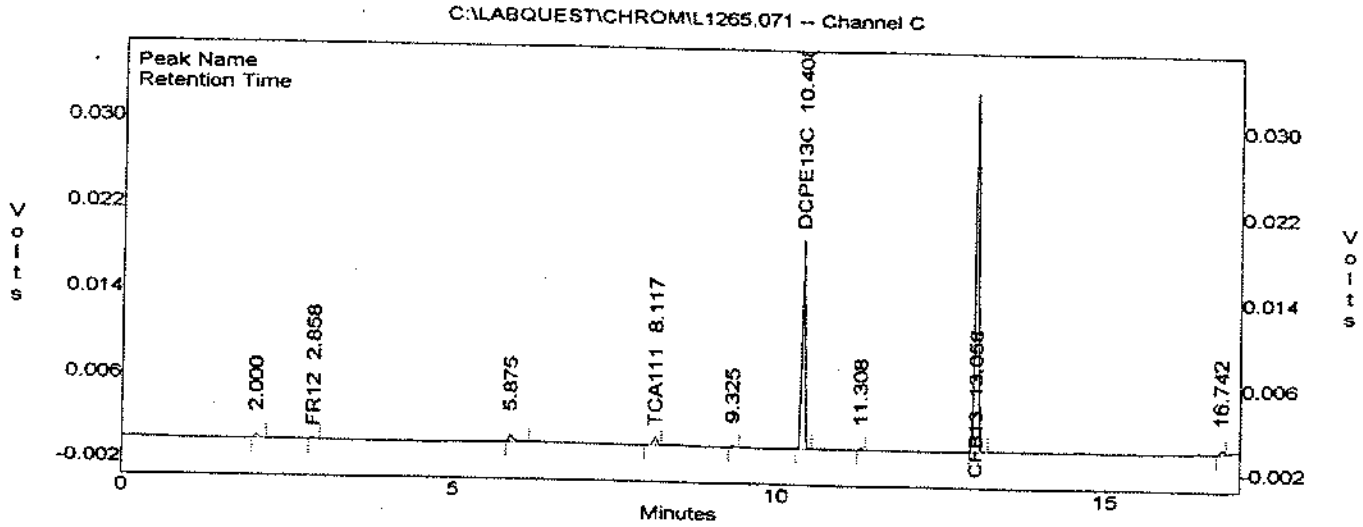
C:\LABQUEST\CHROM\L1265.071 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.075	1052	0.~~365~~ 95	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
2	TCE	8.208	945	0.~~251~~ 95	0
3	DCPE13C	9.617	164927	834.614	0
4		9.800	1493	0.000	0
--	TOL	10.050	0	0.000	0
5	PCE	10.850	724	~~0.236~~ 95	0
6	CFB13	11.817	499348	845.503	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
7		14.967	7309	0.000	0
8		15.725	606	0.000	0
9		15.992	2059	0.000	0
10		16.400	8759	0.000	0
Totals :			687224	1680.969	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.071
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-5
Acquired : Dec 21, 1995 03:45:09
Printed : Dec 21, 1995 16:09:24
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	1763	0.000	0
2	FR12	2.858	731	1.414	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.875	3799	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
4	TCA111	8.117	3425	11.311	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.325	595	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.408	66582	1010.223	0
--	TCA112	11.110	0	0.000	0
7		11.308	606	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.058	121778	1007.741	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.742	1367	0.000	0
Totals :			200647	2030.688	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-11-5

Probe Depth (ft): 5

Time Sampled: 1531

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Soil

Air Temp (F): 70

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 1 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sahuncum

Volume Analyzed (ml): 1.0

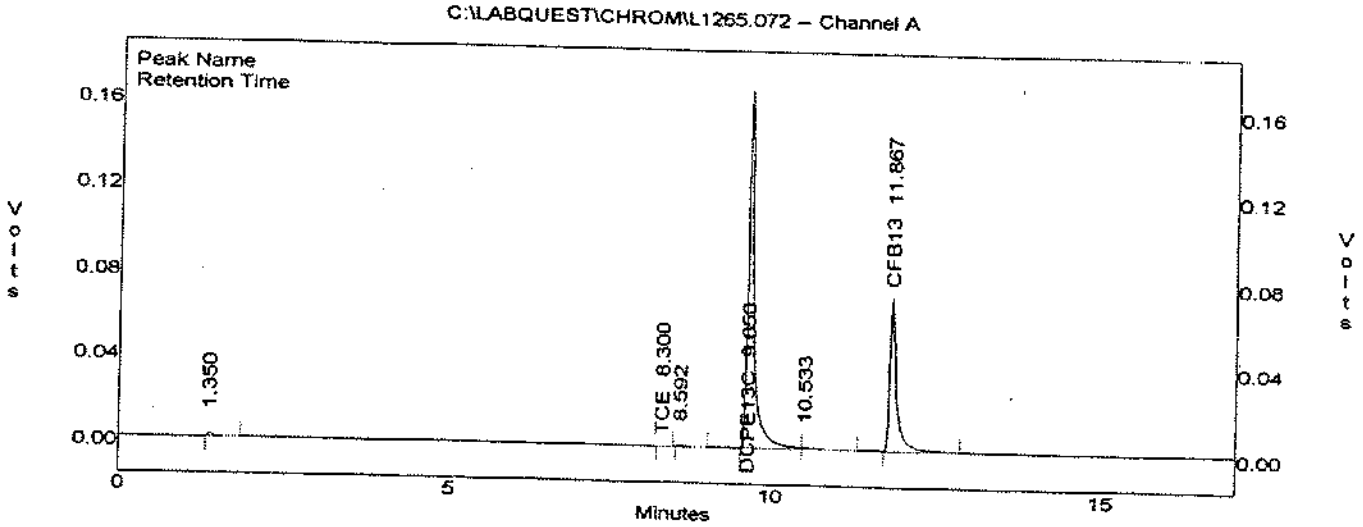
Date: 12-21-95 Time: 1540

Time Injected: 1608 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12		Tetrachloroethene	
Vinyl Chloride		1,1,1,2 PCA	
Chloroethane		1,1,2,2 PCA	
Freon 11		1,1-Dichloroethene	
Dichloromethane		Benzene	
trans-1,2-Dichloroethene		Toluene	
1,1-Dichloroethane		Ethyl Benzene	
cis-1,2-Dichloroethene		m/p-xylene	
Chloroform		o-Xylene	
1,1,1-trichloroethane			
Carbon Tetrachloride			
1,2-Dichloroethane		Freon 113	
Trichloroethene			
1,1,2-Trichloroethane			

Surrogate Recovery ELCD: 95 91 % PID: 84 85 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.072
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-11-5
Acquired : Dec 21, 1995 16:08:33
Printed : Dec 21, 1995 16:25:55
User : PAS



Channel A Results

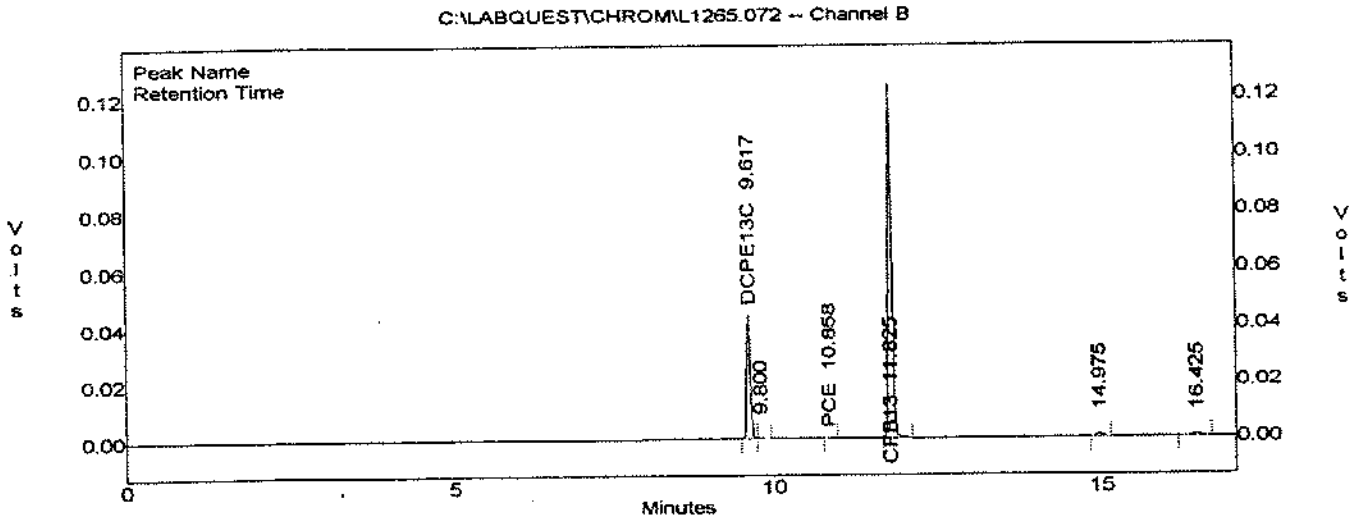
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	11423	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.300	791	0.075	0
3		8.592	4733	0.000	0
4	DCPE13C	9.650	1129739	954.820	0
5		10.533	14402	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.867	519739	910.326	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

1680828 1865.221

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

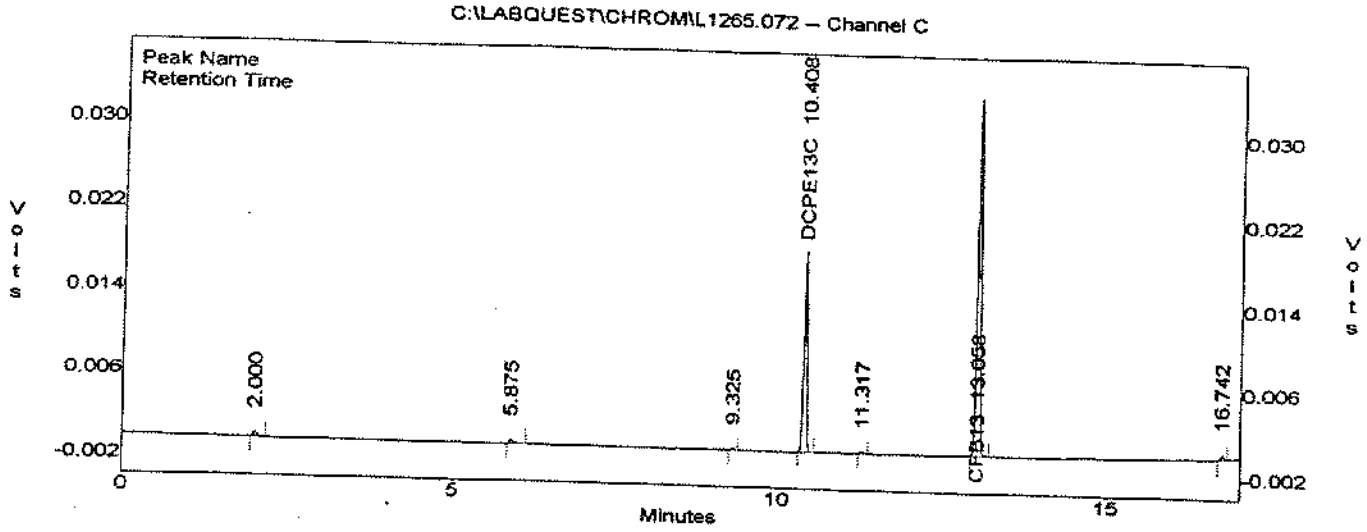
File : C:\LABQUEST\CHROM\L1265.072
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-11-5
Acquired : Dec 21, 1995 16:08:33
Printed : Dec 21, 1995 16:25:58
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.617	165126	835.620	0
2		9.800	1498	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.858	615	0.200	0
4	CFB13	11.825	499477	845.721	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		14.975	8226	0.000	0
6		16.425	6604	0.000	0
Totals :			681549	1681.541	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.072
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-11-5
Acquired : Dec 21, 1995 16:08:33
Printed : Dec 21, 1995 16:25:59
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	2048	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.875	1858	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.325	595	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.408	66490	1008.831	0
--	TCA112	11.110	0	0.000	0
5		11.317	580	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.058	121853	1008.362	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
7		16.742	1556	0.000	0
Totals :			194982	2017.192	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-8-5

Time Sampled: 1432

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 70

Ground Surface: Soil

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 1sec

Notes:

Max. Purge Vacuum (in. Hg): 15

Equilibrium Time: 2sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1445

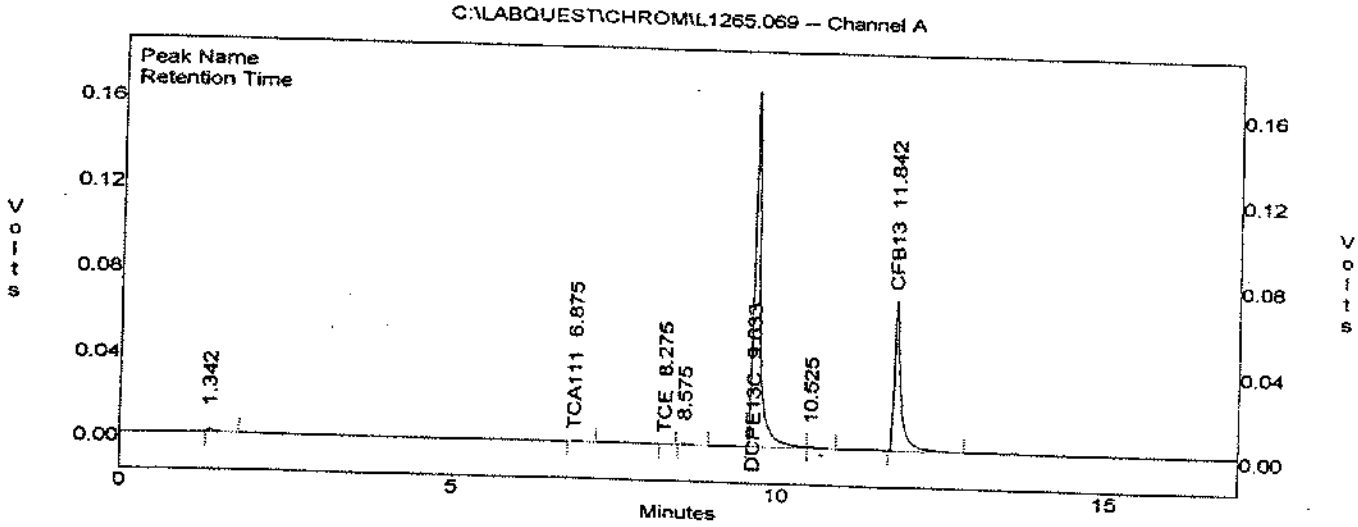
Volume Analyzed (ml): 1.0

Time Injected: Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1 (0.6) ✓				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 96 88 % PID: 84 85 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.069
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-8-5
Acquired : Dec 21, 1995 14:59:05
Printed : Dec 21, 1995 15:16:25
User : PAS



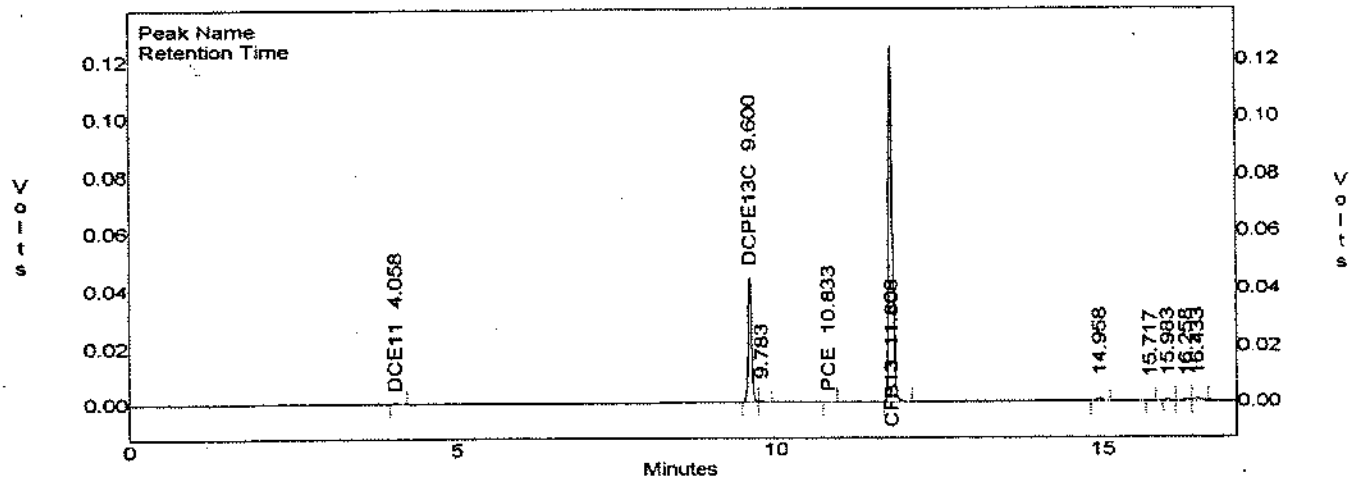
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	10330	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
2	TCA111	6.875	5916	0.567	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.275	969	0.092	0
4		8.575	5086	0.000	0
5	DCPE13C	9.633	1132928	957.516	0
6		10.525	6762	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.842	503351	881.623	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1665344	1839.797	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.069
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-8-5
Acquired : Dec 21, 1995 14:59:05
Printed : Dec 21, 1995 15:16:29
User : PAS

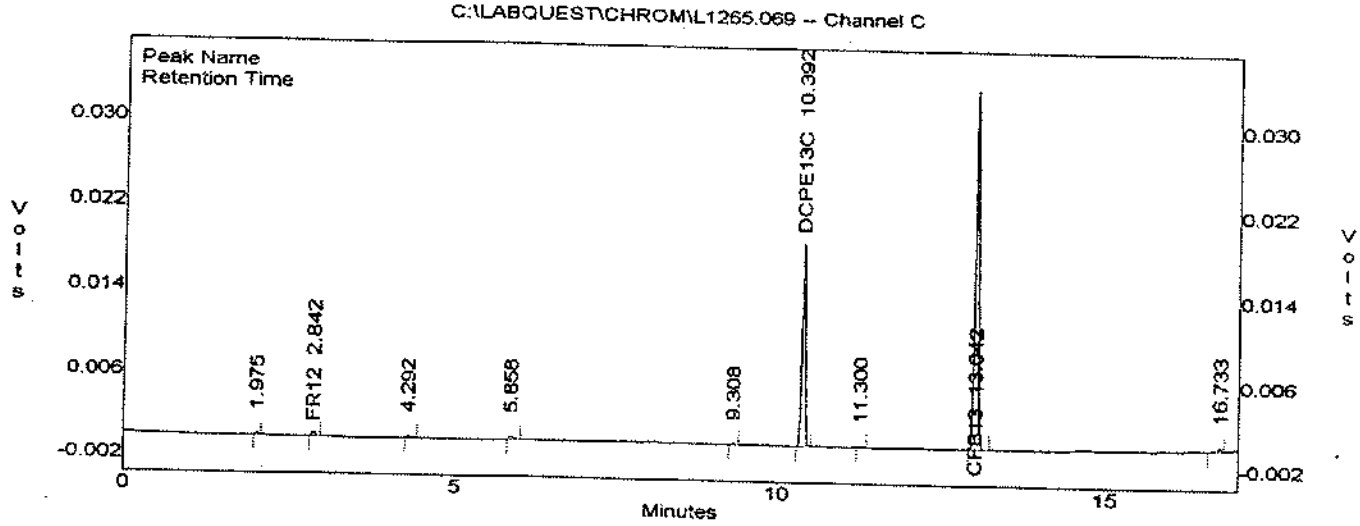
C:\LABQUEST\CHROM\L1265.069 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.058	2724	0 ~~.945~~ PS	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.600	166418	842.159	0
3		9.783	1388	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.833	669	0.218	0
5	CFB13	11.808	503894	853.200	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.958	7138	0.000	0
7		15.717	896	0.000	0
8		15.983	3204	0.000	0
9		16.258	4350	0.000	0
10		16.433	7230	0.000	0
Totals :			697915	1696.522	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.069
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-8-5
Acquired : Dec 21, 1995 14:59:05
Printed : Dec 21, 1995 15:16:31
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.975	830	0.000	0
2	FR12	2.842	1547	~~2.992~~ Not on	0
--	VC	3.640	0	0.000 Hall	0
3		4.292	773	0.000 PS	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
4		5.858	1494	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
5		9.308	539	0.000	0
--	TCE	9.520	0	0.000	0
6	DCPE13C	10.392	66305	1006.031	0
--	TCA112	11.110	0	0.000	0
7		11.300	608	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
8	CFB13	13.042	121325	1003.992	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
9		16.733	1502	0.000	0
Totals :			194925	2013.016	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-10-5

Time Sampled: 1559

Date Sampled: 12-21-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 67

Ground Surface: Soil

Wind dir/speed: south/1mph

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2 sec.

Notes:

Max. Purge Vacuum (in. Hg): 13

Equilibrium Time: 2sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-21-95 Time: 1608

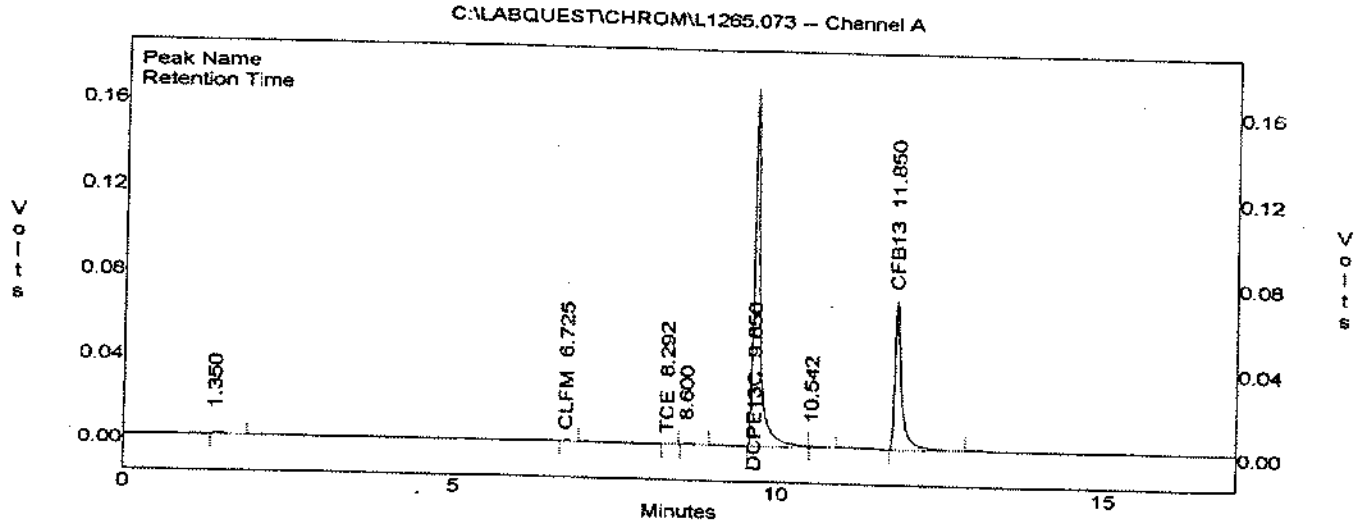
Volume Analyzed (ml): 1.0

Time Injected: 1627 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene		
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 99 89 % PID: 83 84 % FID: 101 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.073
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-10-5
Acquired : Dec 21, 1995 16:31:49
Printed : Dec 21, 1995 16:49:11
User : PAS



Channel A Results

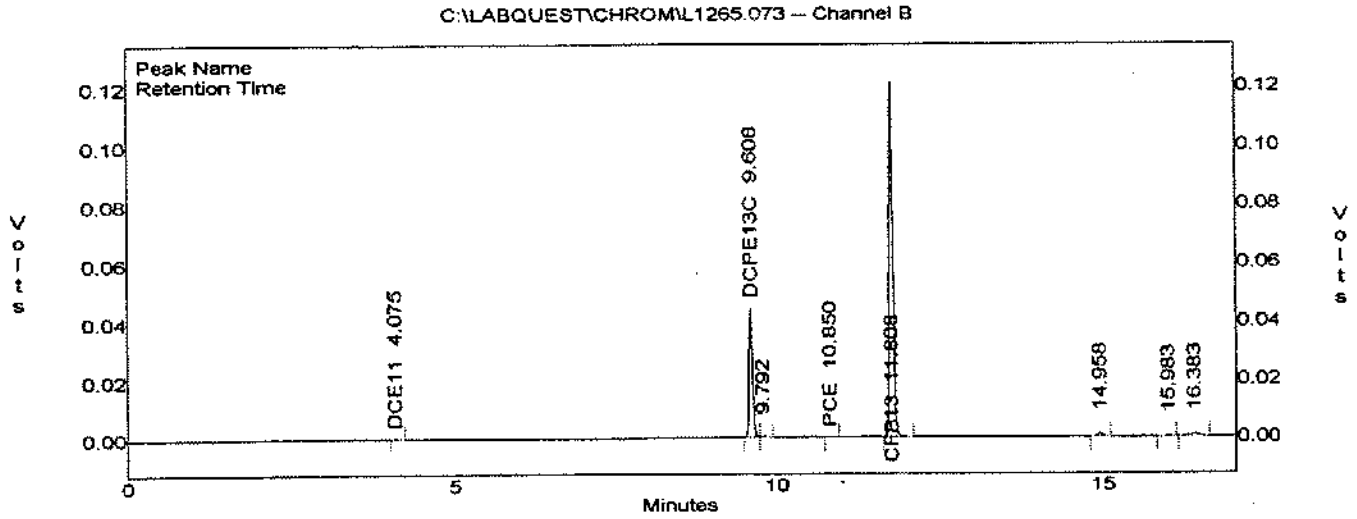
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.350	9640	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
2	CLFM	6.725	2021	0.174	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
3	TCE	8.292	664	0.063	0
4		8.600	4565	0.000	0
5	DCPE13C	9.650	1144640	967.414	0
6		10.542	6152	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
7	CFB13	11.850	508496	890.634	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

1676179 1858.285

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

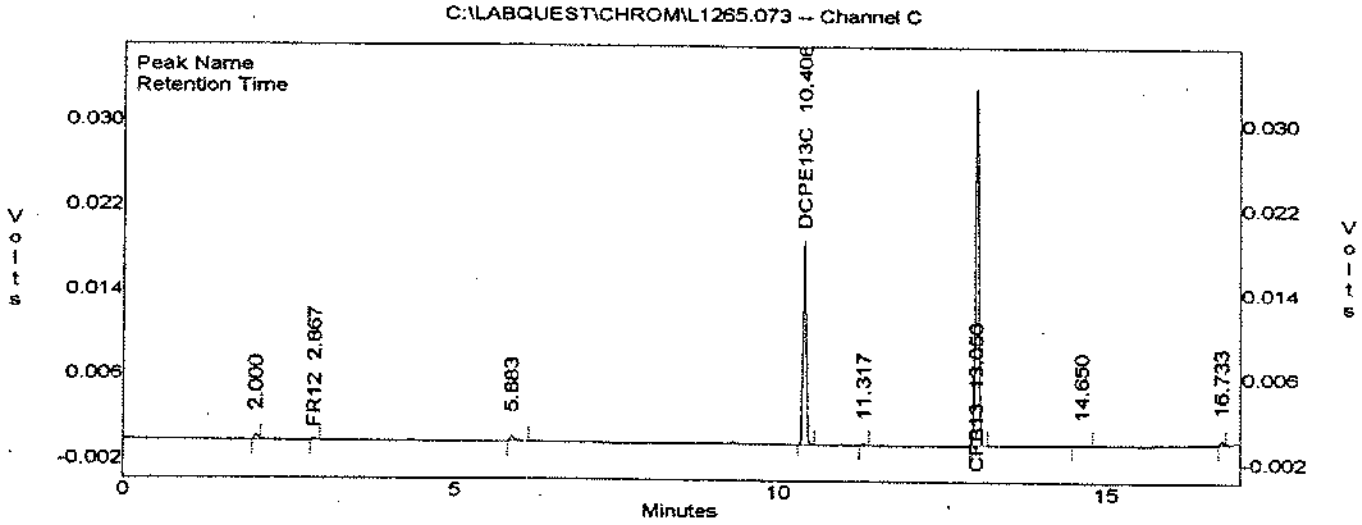
File : C:\LABQUEST\CHROM\L1265.073
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-10-5
Acquired : Dec 21, 1995 16:31:49
Printed : Dec 21, 1995 16:49:15
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.075	1134	~~0.394~~ 5	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.608	163953	829.682	0
3		9.792	1408	0.000	0
--	TOL	10.050	0	0.000	0
4	PCE	10.850	644	0.209	0
5	CFB13	11.808	496031	839.888	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		14.958	7301	0.000	0
7		15.983	1572	0.000	0
8		16.383	8730	0.000	0
Totals :			680776	1670.174	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.073
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-10-S
Acquired : Dec 21, 1995 16:31:49
Printed : Dec 21, 1995 16:49:16
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.000	1996	0.000	0
2	FR12	2.867	524	~~1.013~~ PS	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
3		5.883	2492	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.408	66333	1006.452	0
--	TCA112	11.110	0	0.000	0
5		11.317	594	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.050	121168	1002.693	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
7		14.650	771	0.000	0
--	XYLO	14.830	0	0.000	0
8		16.733	1366	0.000	0

Totals :

	195246	2010.158

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-9-5

Probe Depth (ft): 5

Time Sampled: 1626

Sampled by: BV

Date Sampled: 12-21-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Soil

Air Temp (F): 67

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 400 ml

Equilibrium Time:

Purge Time:

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sabumaum

Volume Analyzed (ml): 1.0

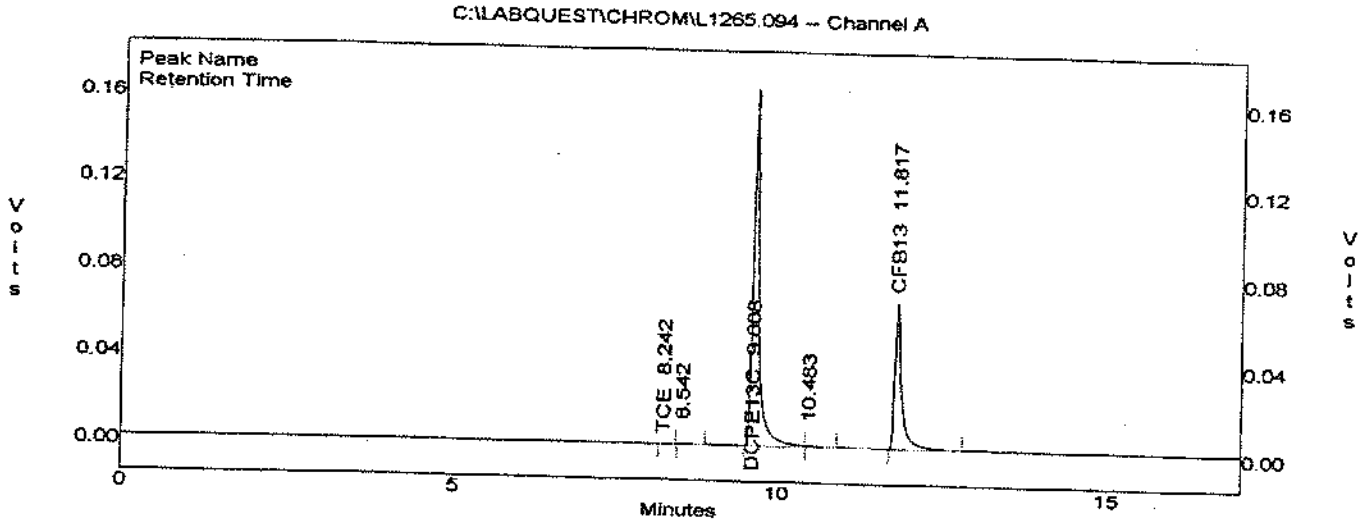
Date: 12-21-95 Time: 1635

Time Injected: 1453 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 93 87 % PID: 82 82 % FID: 101 101 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.094
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB22DEC95
Acquired : Dec 22, 1995 13:18:02
Printed : Dec 22, 1995 13:35:24
User : PAS



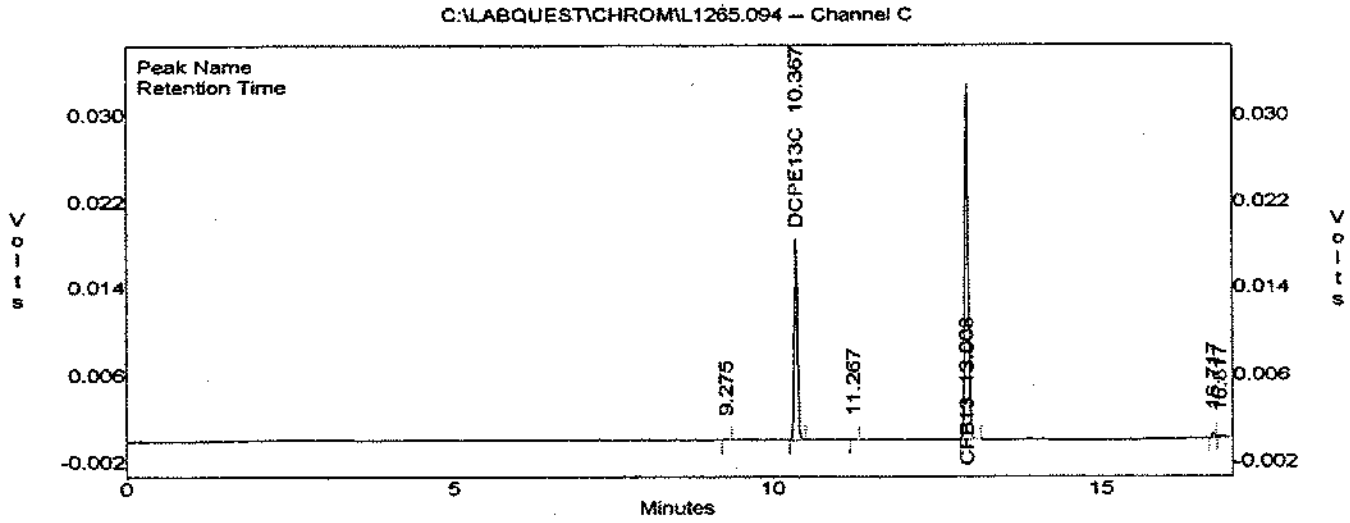
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
1	TCE	8.242	903	0.085	0
2		8.542	5224	0.000	0
3	DCPE13C	9.608	1104050	933.109	0
4		10.483	7146	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.817	483788	847.357	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

1601111 1780.552

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.094
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB22DEC95
Acquired : Dec 22, 1995 13:18:02
Printed : Dec 22, 1995 13:35:29
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.275	539	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.367	64963	985.666	0
--	TCA112	11.110	0	0.000	0
3		11.267	576	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	13.008	118357	979.427	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
5		16.717	1372	0.000	0
6		16.817	1386	0.000	0

Totals :

	187194	1965.093

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-35-15

Probe Depth (ft): 15

Time Sampled: 1015

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 68

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 240

Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): 1.2

Equilibrium Time: 2sec

Purge Time: 3sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-22-95 Time: 1018

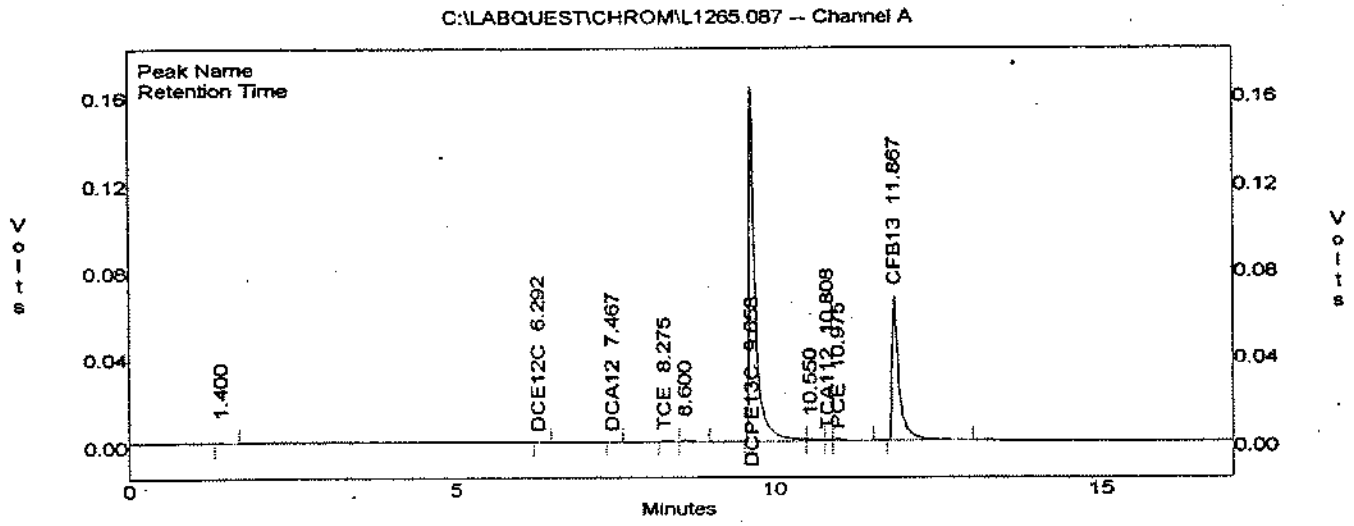
Time Injected: 1017 Loop #: manual

Compound	Concentration (ug/1)		Compound	Concentration (ug/1)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 95 88 % PID: 76 77 % FID: 99 101 %

Report PID compounds from FID due to low surrogate recoveries.

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.087
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-35-~~8~~15 85
Acquired : Dec 22, 1995 10:17:41
Printed : Dec 22, 1995 10:35:03
User : PAS

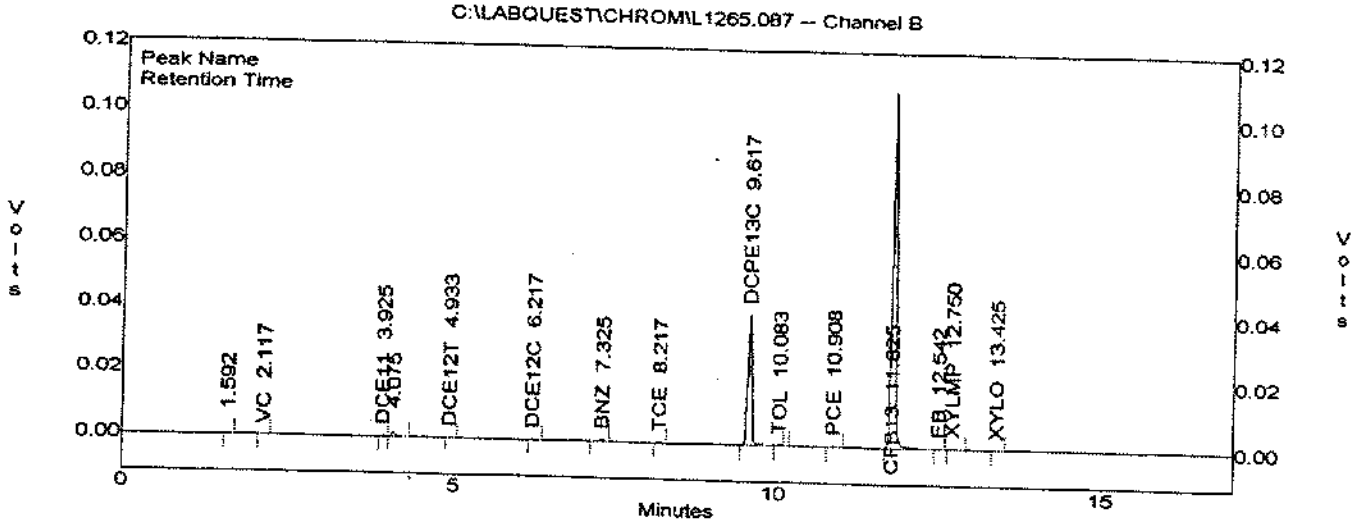


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.400	2164	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
2	DCE12C	6.292	852	0.095	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
3	DCA12	7.467	539	0.053	0
4	TCE	8.275	5222	0.494	0
5		8.600	6732	0.000	0
6	DCPE13C	9.658	1119094	945.823	0
7		10.550	9656	0.000	0
8	TCA112	10.808	3280	0.179	0
9	PCE	10.975	9992	0.657	0
10	CFB13	11.867	503697	882.228	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0
Totals :			1661231	1829.529	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.087
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-35-5 6 7
Acquired : Dec 22, 1995 10:17:41
Printed : Dec 22, 1995 10:35:06
User : PAS



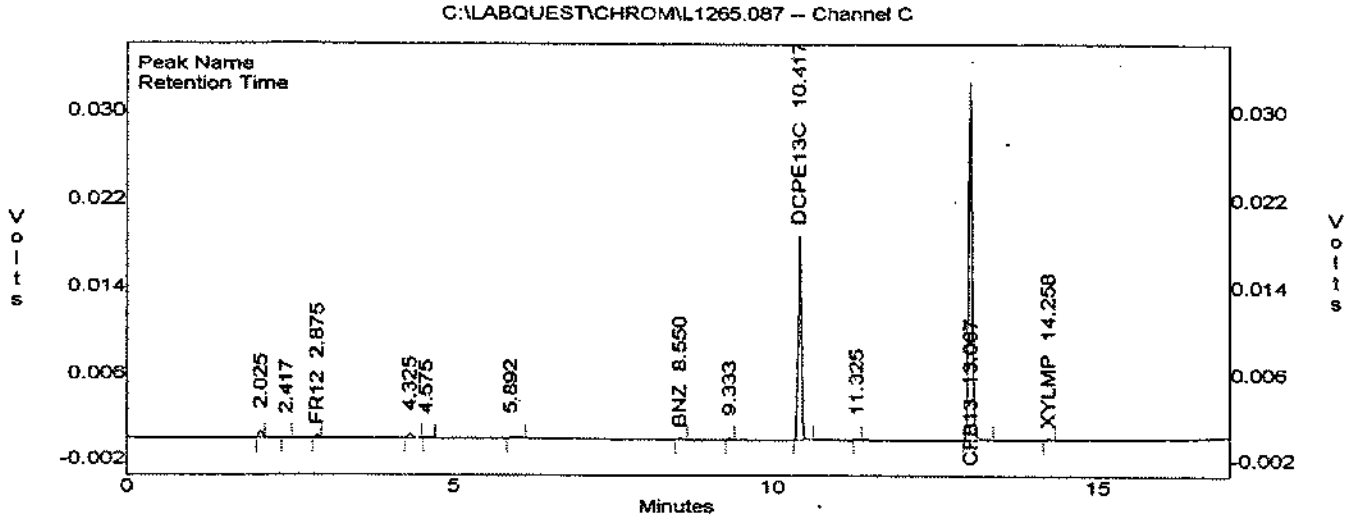
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.592	723	0.000	0
2	VC	2.117	583	0.591	0
3	DCE11	3.925	842	0.292	0
4		4.075	6033	0.000	0
5	DCE12T	4.933	910	0.153	0
6	DCE12C	6.217	702	0.212	0
7	BNZ	7.325	1410	0.212	0
8	TCE	8.217	1580	0.420	0
9	DCPE13C	9.617	150272	760.450	0
10	TOL	10.083	1070	0.193	0
11	PCE	10.908	1454	0.473	0
12	CFB13	11.825	453742	768.284	0
13	EB	12.542	535	0.095	0
14	XYLMP	12.750	1763	0.302	0
15	XYLO	13.425	745	0.130	0

Totals :

622370 1531.808

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.087
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-35-~~8~~15 PS
Acquired : Dec 22, 1995 10:17:41
Printed : Dec 22, 1995 10:35:08
User : PAS



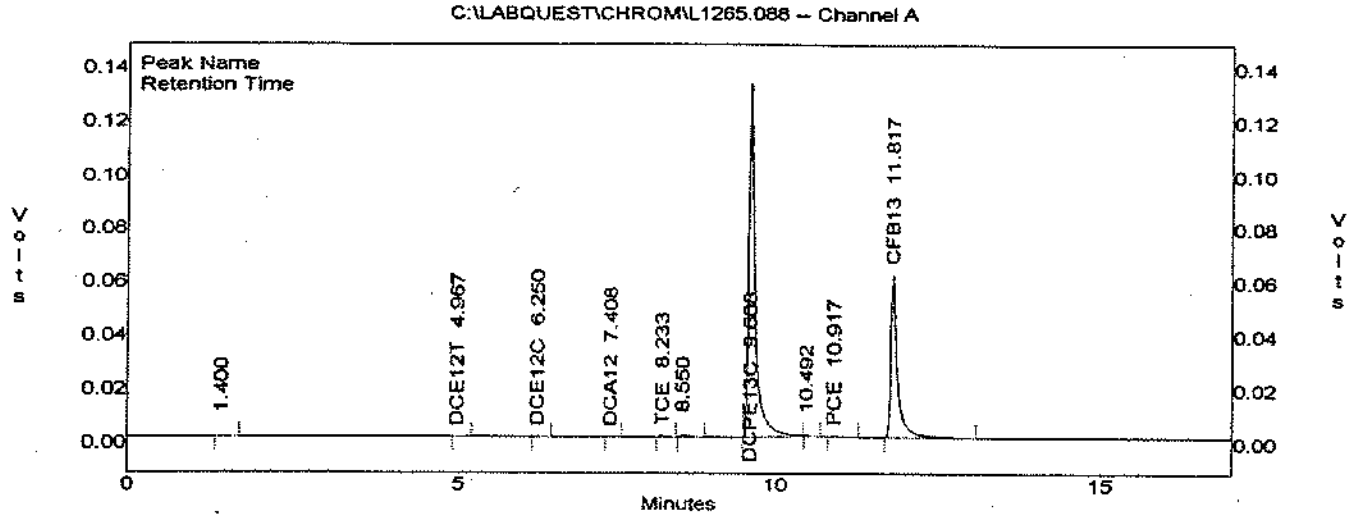
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.025	2563	0.000	0
2		2.417	514	0.000	0
3	FR12	2.875	1097	2.122	0
--	VC	3.640	0	0.000	0
4		4.325	1994	0.000	0
--	CLET	4.450	0	0.000	0
5		4.575	529	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
6		5.892	1391	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
7	BNZ	8.550	605	0.400	0
--	CBTC	8.660	0	0.000	0
8		9.333	552	0.000	0
--	TCE	9.520	0	0.000	0
9	DCPE13C	10.417	65331	991.249	0
--	TCA112	11.110	0	0.000	0
10		11.325	550	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
11	CFB13	13.067	122537	1014.024	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
12	XYLMP	14.258	690	0.466	0
--	XYLO	14.830	0	0.000	0

Totals :

198357 2008.261

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.088
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 10:53:08
Printed : Dec 22, 1995 11:10:30
User : PAS



Channel A Results

peak	Compound	RT	area	Conc. (ug/l)	Rf
1		1.400	1415	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
2	DCE12T	4.967	882	0.093	0
--	DCA11	5.480	0	0.000	0
3	DCE12C	6.250	1143	0.127	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
4	DCA12	7.408	588	0.058	0
5	TCE	8.233	3593	0.340	0
6		8.550	4467	0.000	0
7	DCPE13C	9.608	921040	778.435	0
8		10.492	3200	0.000	0
--	TCA112	10.760	0	0.000	0
9	PCE	10.917	3259	0.214	0
10	CFB13	11.817	462355	809.817	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

1401945 1589.084

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L1265

Sample I.D.: SV-12-15

Probe Depth (ft): 15

Time Sampled: 1049

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: sunny

Ground Surface: soil

Air Temp (F): 68

Wind dir/speed: South / 1mph

Sample Parameters

Probe Volume (ml): 240

Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): 1.2

Equilibrium Time:

Purge Time:

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-22-95 Time: 1055

Time Injected: 1055 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1	<1	Tetrachloroethene	<1	<1
Vinyl Chloride	<1	<1	1,1,1,2 PCA	<1	<1
Chloroethane	<1	<1	1,1,2,2 PCA	<1	<1
Freon 11	<1	<1	1,1-Dichloroethene	<1	<1
Dichloromethane	<1	<1	Benzene	<1	<1
trans-1,2-Dichloroethene	<1	<1	Toluene	<1	<1
1,1-Dichloroethane	<1	<1	Ethyl Benzene	<1	<1
cis-1,2-Dichloroethene	<1	<1	m/p-xylene	<1	<1
Chloroform	<1	<1	o-Xylene	<1	<1
1,1,1-trichloroethane	<1	<1			
Carbon Tetrachloride	<1	<1			
1,2-Dichloroethane	<1	<1	Freon 113	<1	<1
Trichloroethene	<1	<1			
1,1,2-Trichloroethane	<1	<1			

Surrogate Recovery ELCD: 78 81 % (88 83) PID: 76 67 % (76 72) FID: 99 101 % (99 100)

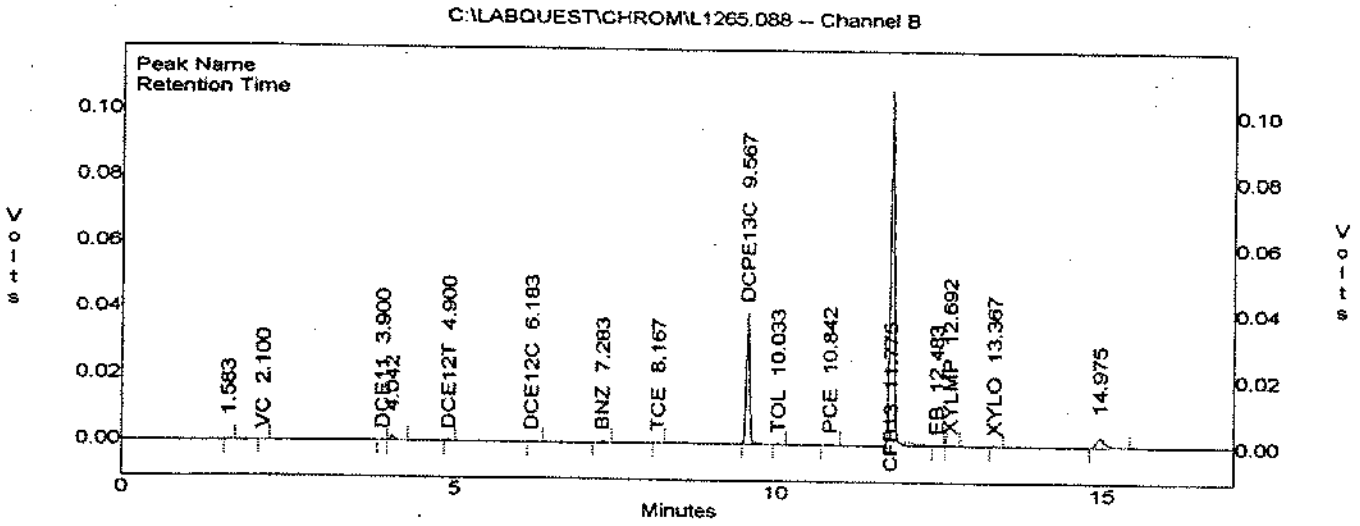
Run duplicate; Use FID to report BTEX due to low surrogates on PID

~~[illegible] not reported~~ pg

BGPAA 0464

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.088
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 10:53:08
Printed : Dec 22, 1995 11:10:34
User : PAS



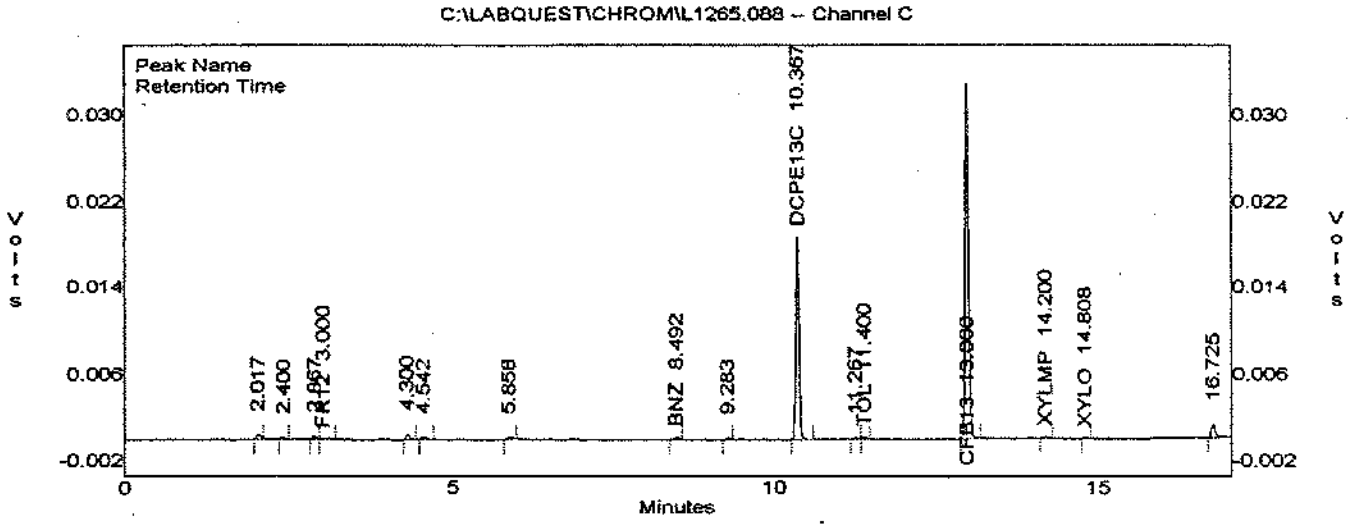
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.583	802	0.000	0
2	VC	2.100	504	0.511	0
3	DCE11	3.900	991	0.344	0
4		4.042	6310	0.000	0
5	DCE12T	4.900	1336	0.224	0
6	DCE12C	6.183	1093	0.330	0
7	BNZ	7.283	1763	0.265	0
8	TCE	8.167	1570	0.417	0
9	DCPE13C	9.567	149768	757.898	0
10	TOL	10.033	1397	0.252	0
11	PCE	10.842	2309	0.751	0
12	CFB13	11.775	397335	672.774	0
13	EB	12.483	783	0.140	0
14	XYLMP	12.692	2379	0.408	0
15	XYLO	13.367	972	0.170	0
16		14.975	26938	0.000	0

Totals :

	596256	1434.484

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.088
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 10:53:08
Printed : Dec 22, 1995 11:10:36
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.017	2031	0.000	0
2		2.400	588	0.000 can't confirm	
3		2.867	1374	0.000	0
4	FR12	3.000	723	~~1.399~~ Not on Hall YS	0
--	VC	3.640	0	0.000	0
5		4.300	2193	0.000	0
--	CLET	4.450	0	0.000	0
6		4.542	1108	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
7		5.858	918	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
8	BNZ	8.492	846	0.559	0
--	CBTC	8.660	0	0.000	0
9		9.283	518	0.000	0
--	TCE	9.520	0	0.000	0
10	DCPE13C	10.367	65204	989.315	0
--	TCA112	11.110	0	0.000	0
11		11.267	576	0.000	0
12	TOL	11.400	657	0.435	0
--	PCE	12.710	0	0.000	0
13	CFB13	13.000	121589	1006.173	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
14	XYLMP	14.200	1013	0.684	0
15	XYLO	14.808	501	0.295	0
16		16.725	5604	0.000	0

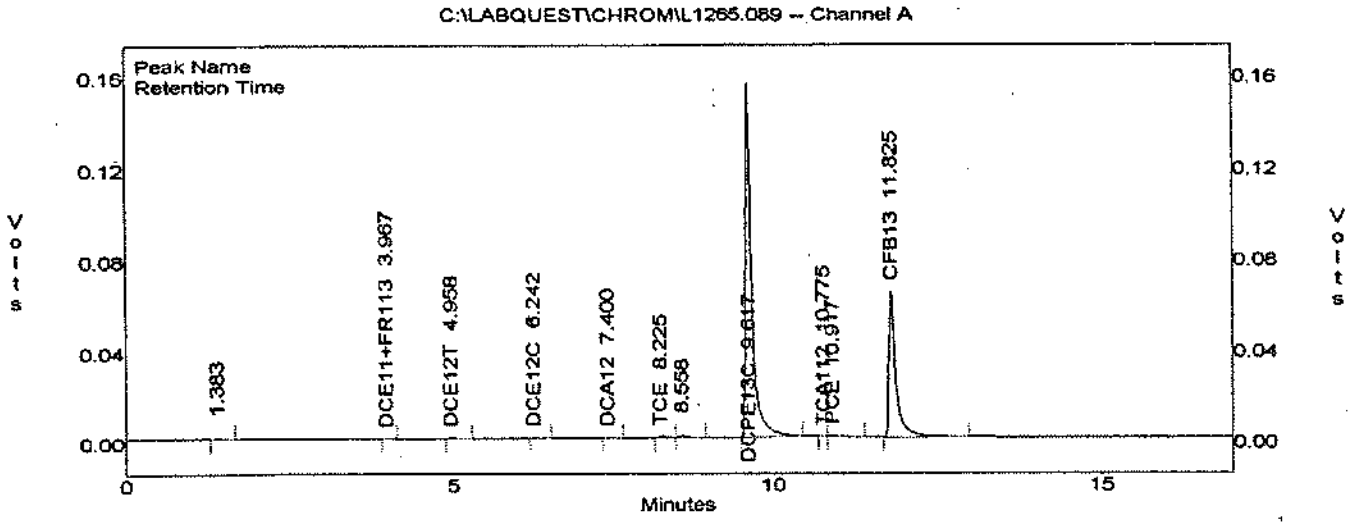
Continued...

File : C:\LABQUEST\CHROM\L1265.088
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 10:53:08
Printed : Dec 22, 1995 11:10:38
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			205448	1998.859	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.089
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 11:16:04
Printed : Dec 22, 1995 11:33:22
User : PAS



Channel A Results

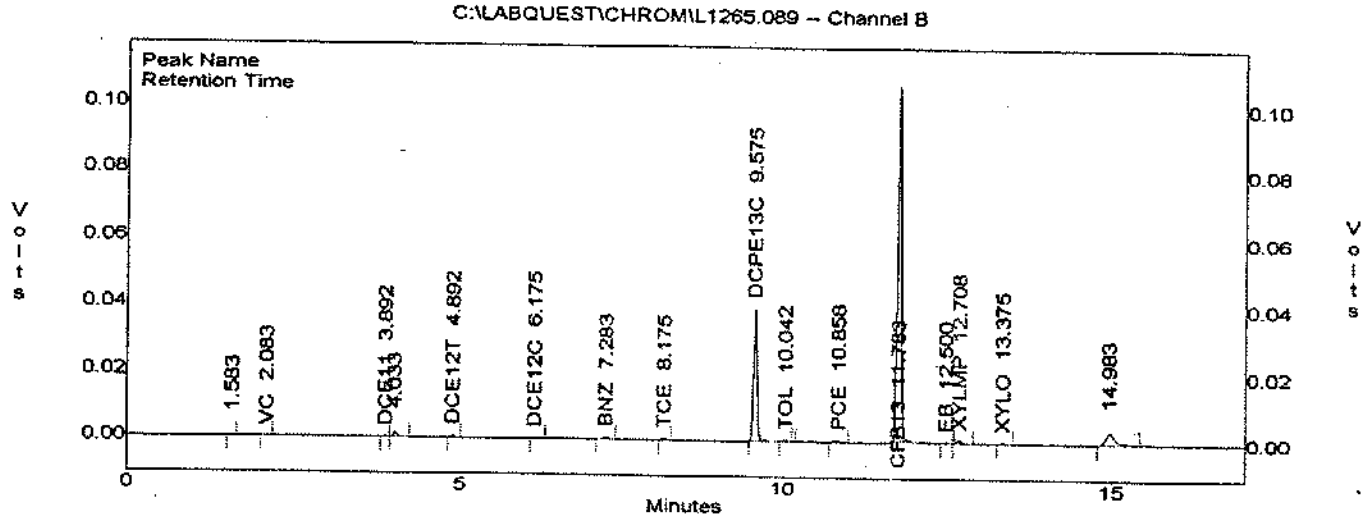
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.383	2230	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.967	606	0.084	0
--	DCM	4.610	0	0.000	0
3	DCE12T	4.958	2852	0.300	0
--	DCA11	5.480	0	0.000	0
4	DCE12C	6.242	2219	0.246	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
5	DCA12	7.400	1292	0.127	0
6	TCE	8.225	6815	0.645	0
7		8.558	6356	0.000	0
8	DCPE13C	9.617	1041442	880.195	0
9	TCA112	10.775	893	0.049	0
10	PCE	10.917	5081	0.334	0
11	CFB13	11.825	472340	827.307	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1542130	1709.287

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.089
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 11:16:04
Printed : Dec 22, 1995 11:33:27
User : PAS



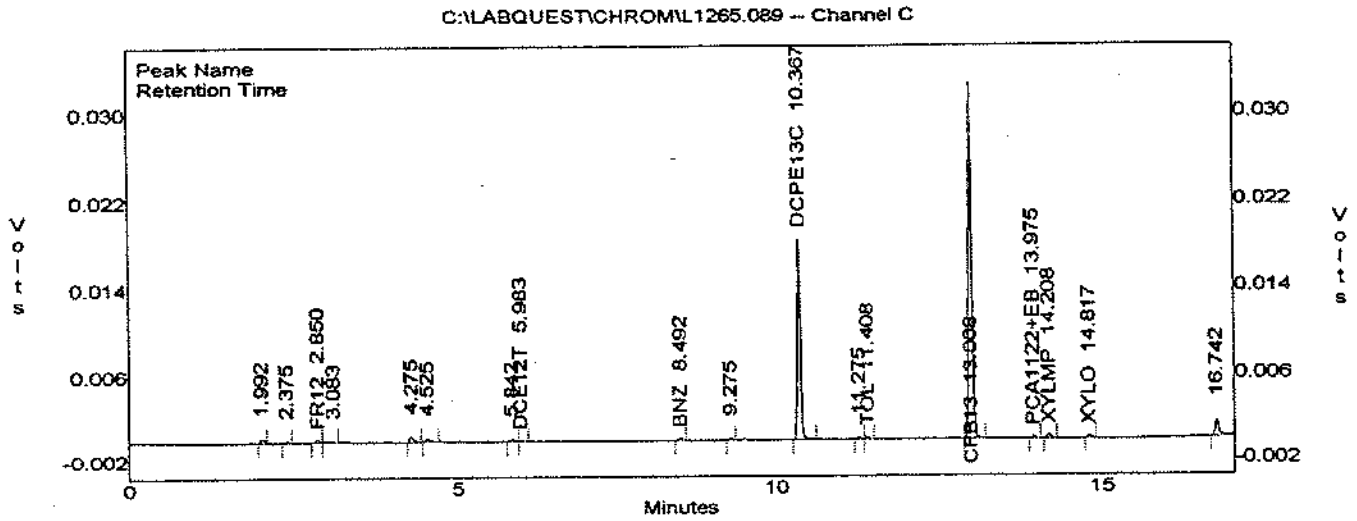
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.583	806	0.000	0
2	VC	2.083	575	0.583	0
3	DCE11	3.892	1000	0.347	0
4		4.033	6515	0.000	0
5	DCE12T	4.892	2417	0.405	0
6	DCE12C	6.175	1271	0.384	0
7	BNZ	7.283	1987	0.299	0
8	TCE	8.175	2065	0.549	0
9	DCPE13C	9.575	150593	762.076	0
10	TOL	10.042	2359	0.425	0
11	PCE	10.858	2795	0.909	0
12	CFB13	11.783	423321	716.774	0
13	EB	12.500	1509	0.269	0
14	XYLMP	12.708	4471	0.766	0
15	XYLO	13.375	2018	0.353	0
16		14.983	35580	0.000	0

Totals :

	639287	1484.139

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.089
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 11:16:04
Printed : Dec 22, 1995 11:33:29
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.992	1620	0.000	0
2		2.375	563	0.000	0
3	FR12	2.850	1308	2.530	0
4		3.083	751	0.000	0
--	VC	3.640	0	0.000	0
5		4.275	2307	0.000	0
--	CLET	4.450	0	0.000	0
6		4.525	1495	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
7		5.842	1450	0.000	0
8	DCE12T	5.983	541	1.357	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
9	BNZ	8.492	787	0.520	0
--	CBTC	8.660	0	0.000	0
10		9.275	517	0.000	0
--	TCE	9.520	0	0.000	0
11	DCPE13C	10.367	65235	989.785	0
--	TCA112	11.110	0	0.000	0
12		11.275	573	0.000	0
13	TOL	11.408	1068	0.707	0
--	PCE	12.710	0	0.000	0
14	CFB13	13.008	121389	1004.522	0
--	PCA1112	13.490	0	0.000	0
15	PCA1122+EB	13.975	768	1.026	0
16	XYLMP	14.208	1844	1.244	0
17	XYLO	14.817	1072	0.630	0
18		16.742	7193	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.089
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-12-15
Acquired : Dec 22, 1995 11:16:04
Printed : Dec 22, 1995 11:33:30
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :			210486	2002.322	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 6S

Sample I.D.: SV-4-5

Probe Depth (ft): 5

Time Sampled: 1131

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: soil

Air Temp (F): 69

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 12

Purge Volume (liters): 400ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-22-95 Time: 1137

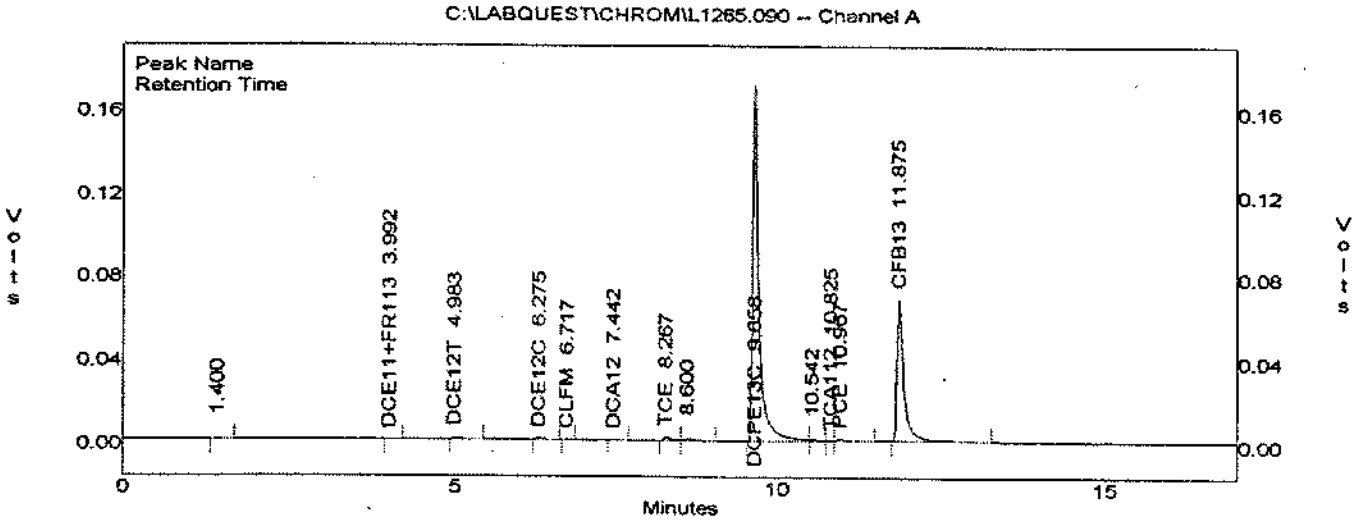
Time Injected:

Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	Reported from FID
trans-1,2-Dichloroethene	<1		Toluene	1.5	
1,1-Dichloroethane	<1		Ethyl Benzene	3.7	
cis-1,2-Dichloroethene	<1		m/p-xylene	5.6	
Chloroform	<1		o-Xylene	2.8	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	1.2				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 98 90 % PID: 77 76 % FID: 99 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.090
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-4-5
Acquired : Dec 22, 1995 11:39:45
Printed : Dec 22, 1995 11:57:08
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.400	2198	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	3.992	1035	0.143	0
--	DCM	4.610	0	0.000	0
3	DCE12T	4.983	8154	0.858	0
--	DCA11	5.480	0	0.000	0
4	DCE12C	6.275	5532	0.615	0
5	CLFM	6.717	662	0.057	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
6	DCA12	7.442	2515	0.247	0
7	TCE	8.267	12875	1.219	0
8		8.600	8326	0.000	0
9	DCPE13C	9.658	1159840	980.261	0
10		10.542	8858	0.000	0
11	TCA112	10.825	3773	0.206	0
12	PCE	10.967	13550	0.891	0
13	CFB13	11.875	511596	896.064	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

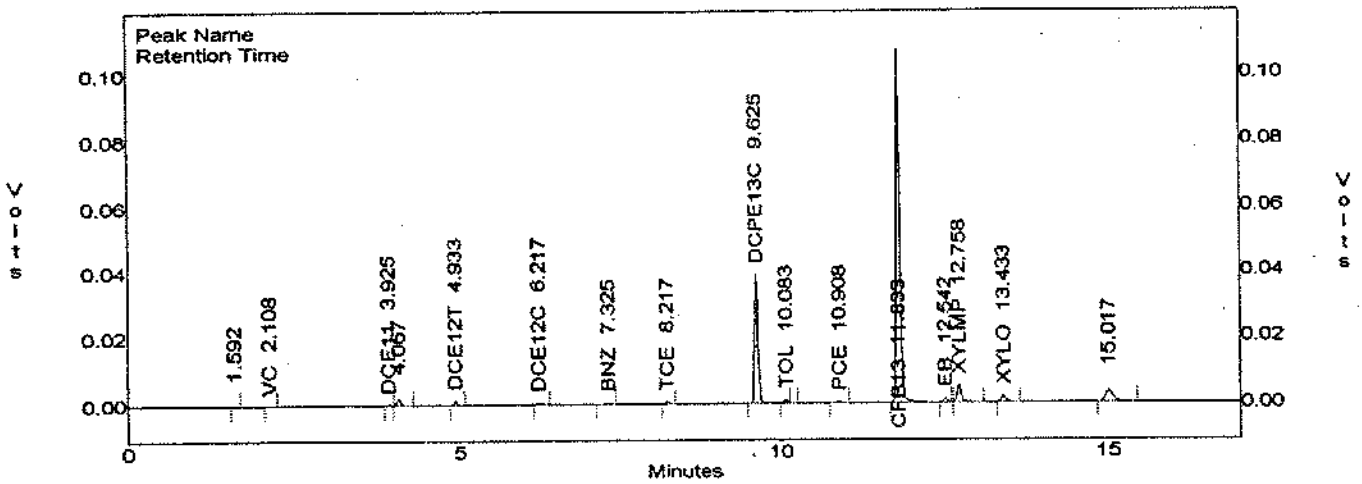
Totals :

	1738918	1880.560

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.090
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-4-5
Acquired : Dec 22, 1995 11:39:45
Printed : Dec 22, 1995 11:57:12
User : PAS

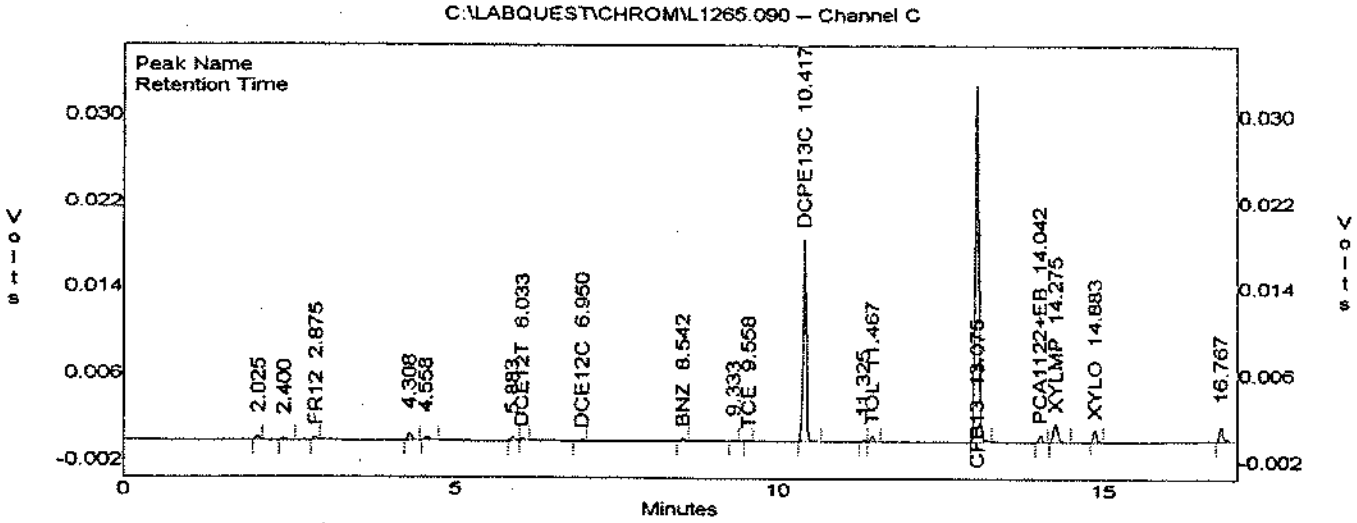
C:\LABQUEST\CHROM\L1265.090 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.592	803	0.000	0
2	VC	2.108	563	0.571	0
3	DCE11	3.925	1140	0.396	0
4		4.067	8855	0.000	0
5	DCE12T	4.933	4926	0.826	0
6	DCE12C	6.217	2083	0.629	0
7	BNZ	7.325	2369	0.356	0
8	TCE	8.217	3188	0.847	0
9	DCPE13C	9.625	152284	770.631	0
10	TOL	10.083	5160	0.931	0
11	PCE	10.908	2861	0.931	0
12	CFB13	11.833	449596	761.263	0
13	EB	12.542	5601	0.997	0
14	XYLMP	12.758	23076	3.953	0
15	XYLO	13.433	10021	1.751	0
16		15.017	28265	0.000	0
Totals :			700796	1544.082	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.090
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-4-5
Acquired : Dec 22, 1995 11:39:45
Printed : Dec 22, 1995 11:57:14
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.025	1533	0.000	0
2		2.400	722	0.000	0
3	FR12	2.875	1299	~~2.512~~ Not on Hall	0
--	VC	3.640	0	0.000	0
4		4.308	2914	0.000 PS	0
--	CLET	4.450	0	0.000	0
5		4.558	1757	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
6		5.883	1714	0.000	0
7	DCE12T	6.033	917	~~2.301~~ <1 on Hall	0
--	DCA11	6.190	0	0.000	0
8	DCE12C	6.950	671	~~1.655~~ <1 on Hall	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
9	BNZ	8.542	1030	0.681	0
--	CBTC	8.660	0	0.000	0
10		9.333	581	0.000	0
11	TCE	9.558	606	2.033	0
12	DCPE13C	10.417	65349	991.522	0
--	TCA112	11.110	0	0.000	0
13		11.325	566	0.000	0
14	TOL	11.467	2316	1.533	0
--	PCE	12.710	0	0.000	0
15	CFB13	13.075	121964	1009.280	0
--	PCA1112 → Not on Hall	13.490	0	0.000	0
16	~~PCA1122~~+EB reported as EB PS	14.042	2736	3.655	0
17	XYLMP	14.275	8354	5.638	0
18	XYLO	14.883	4702	2.765	0
19		16.767	5601	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.090
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-4-5
Acquired : Dec 22, 1995 11:39:45
Printed : Dec 22, 1995 11:57:15
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :			225340	2023.575	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-3-5

Time Sampled: 1151

Date Sampled: 12-22-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 66

Ground Surface: Asphalt gravel

Wind dir/speed: South/1mph

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2sec

Notes:

Max. Purge Vacuum (in. Hg): 12

Equilibrium Time: 2sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Sommerman

Date: 12-22-95 Time: 11 57

Volume Analyzed (ml): 1.0

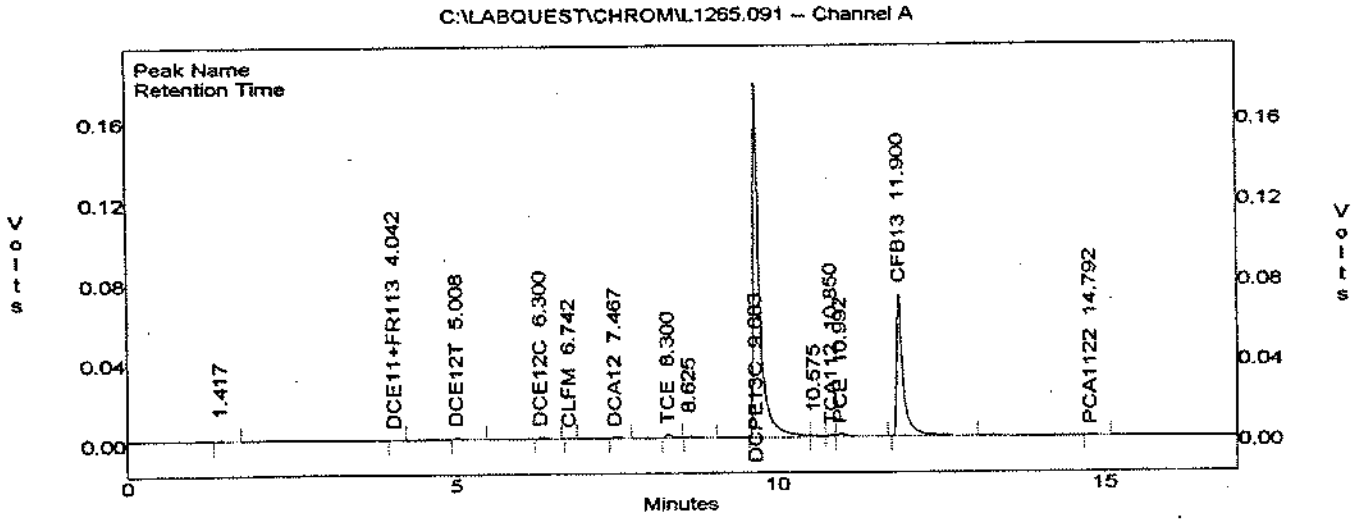
Time Injected: 1200 Loop #: manual

Compound	Concentration (ug/1)	Compound	Concentration (ug/1)
Freon 12	<1	Tetrachloroethene	1.2
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	1.4
1,1-Dichloroethane	<1	Ethyl Benzene	2.7
cis-1,2-Dichloroethene	<1	m/p-xylene	4.8
Chloroform	<1	o-Xylene	2.7
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	1.4 ✓		
1,1,2-Trichloroethane	<1		

Reported from FID

Surrogate Recovery ELCD: 103 90 % PID: 77 77 % FID: 100 104 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.091
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-3-5
Acquired : Dec 22, 1995 12:03:24
Printed : Dec 22, 1995 12:20:47
User : PAS



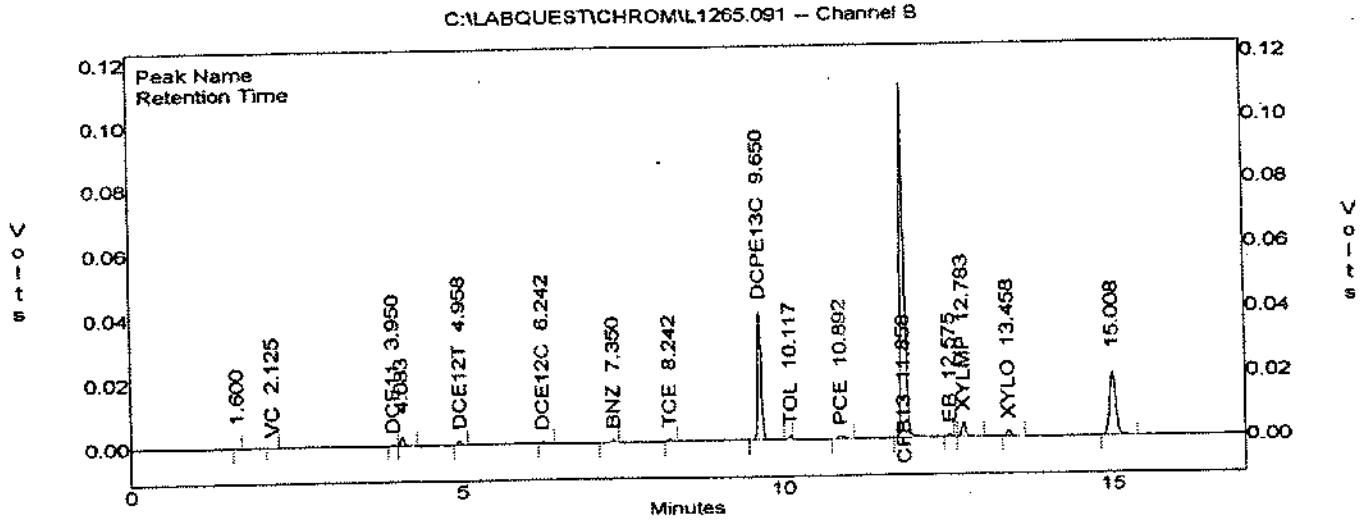
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.417	3163	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	4.042	661	0.091	0
--	DCM	4.610	0	0.000	0
3	DCE12T	5.008	8192	0.862	0
--	DCA11	5.480	0	0.000	0
4	DCE12C	6.300	5966	0.663	0
5	CLFM	6.742	931	0.080	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
6	DCA12	7.467	4180	0.410	0
7	TCE	8.300	14648	1.386	0
8		8.625	8763	0.000	0
9	DCPE13C	9.683	1223801	1034.319	0
10		10.575	9380	0.000	0
11	TCA112	10.850	7237	0.395	0
12	PCE	10.992	18930	1.245	0
13	CFB13	11.900	514562	901.258	0
--	PCA1112	12.490	0	0.000	0
14	PCA1122	14.792	2872	0.288	0

Totals : 1823291 1940.998

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.091
Method : C:\LABQUEST\METHODS\L1265_2.MET
SampleID : SV-3-5
Acquired : Dec 22, 1995 12:03:24
Printed : Dec 22, 1995 12:20:51
User : PAS

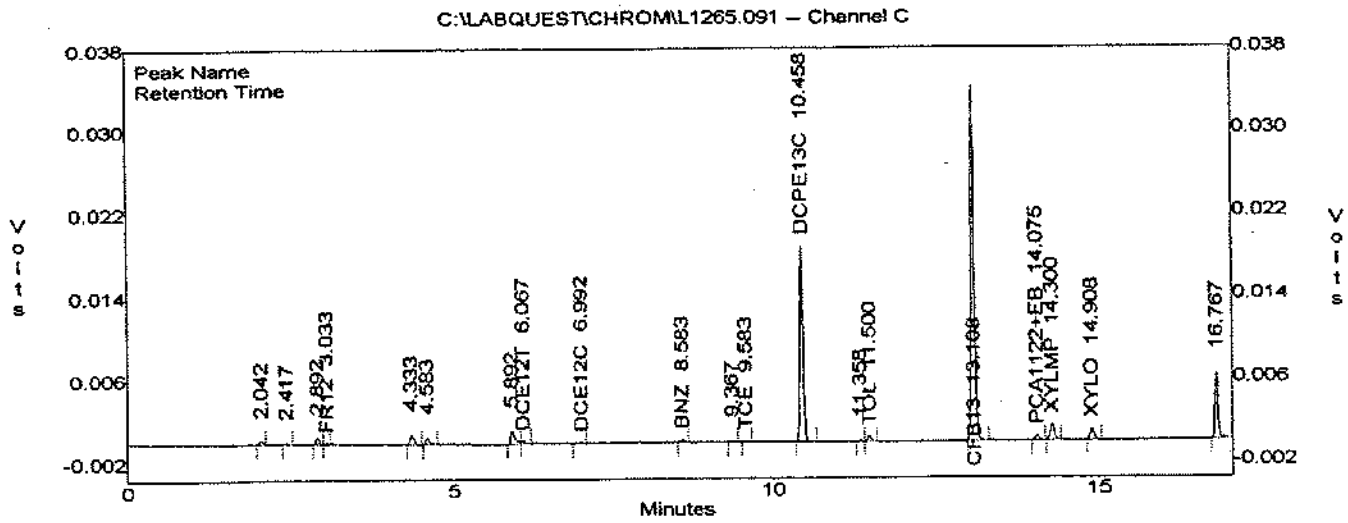


Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.600	929	0.000	0
2	VC	2.125	606	0.614	0
3	DCE11	3.950	1654	0.574	0
4		4.083	11600	0.000	0
5	DCE12T	4.958	4822	0.809	0
6	DCE12C	6.242	2365	0.713	0
7	BNZ	7.350	2326	0.350	0
8	TCE	8.242	3281	0.872	0
9	DCPE13C	9.650	152905	773.772	0
10	TOL	10.117	147293	~~26.563~~ FID	0
11	PCE	10.892	6610	2.149	0
12	CFB13	11.858	453895	768.542	0
13	EB	12.575	4130	0.736	0
14	XYLMP	12.783	19707	3.376	0
15	XYLO	13.458	9346	1.633	0
16		15.008	128382	0.000	0

Totals : 949854 1580.703

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.091
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-3-5
Acquired : Dec 22, 1995 12:03:24
Printed : Dec 22, 1995 12:20:52
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.042	1444	0.000	0
2		2.417	658	0.000	0
3		2.892	2540	0.000	0
4	FR12	3.033	510	~~0.907~~ Not on Hull	0
--	VC	3.640	0	0.000	0
5		4.333	4190	0.000	0
--	CLET	4.450	0	0.000	0
6		4.583	2715	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
7		5.892	6302	0.000	0
8	DCE12T	6.067	1090	2.736	0
--	DCA11	6.190	0	0.000	0
9	DCE12C	6.992	736	1.815	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
10	BNZ	8.583	1165	0.771	0
--	CBTC	8.660	0	0.000	0
11		9.367	566	0.000	0
12	TCE	9.583	620	2.080	0
13	DCPE13C	10.458	65624	995.695	0
--	TCA112	11.110	0	0.000	0
14		11.358	614	0.000	0
15	TOL	11.500	2178	1.441	0
--	PCE	12.710	0	0.000	0
16	CFB13	13.108	125427	1037.933	0
--	PCA1112 → Not on Hull	13.490	0	0.000	0
17	~~PCA1122~~+EB reported as EB	14.075	2020	2.699	0
18	XYLMP	14.300	7134	4.814	0
19	XYLO	14.908	4565	2.684	0
20		16.767	20349	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.091
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-3-5
Acquired : Dec 22, 1995 12:03:24
Printed : Dec 22, 1995 12:20:54
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			250454	2053.654	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 LS

Sample I.D.: SV-2-5

Time Sampled: 1211

Date Sampled: 12-22-95

Probe Depth (ft): 5

Sampled by: BV

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Air Temp (F): 66

Ground Surface: Asphalt/gravel.

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Purge Volume (liters): 400ml

Purge Time: 2 sec

Notes:

Max. Purge Vacuum (in. Hg): 14

Equilibrium Time: 2 sec

Sample Volume (ml): 20

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Date: 12-22-95 Time: 1217

Volume Analyzed (ml): 1.0

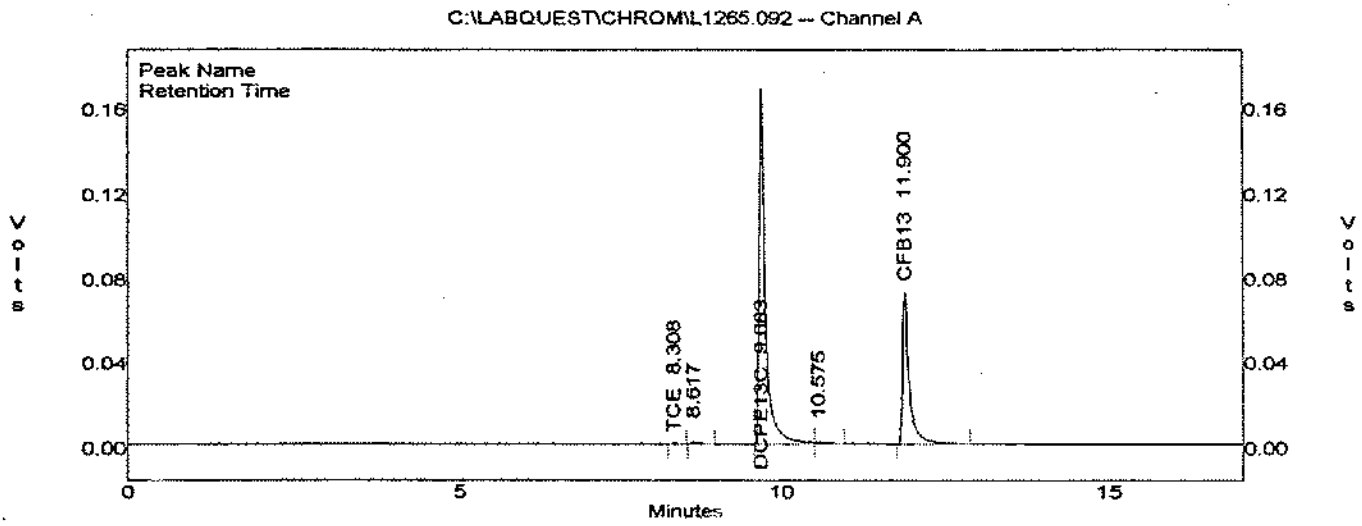
Time Injected: ~~1252~~ 1227 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 97 90 % PID: 78 79 % FID: 99 100 %

BGPAA 0482

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.092
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-2-5
Acquired : Dec 22, 1995 12:27:20
Printed : Dec 22, 1995 12:44:42
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
1	TCE	8.308	1421	0.135	0
2		8.617	5545	0.000	0
3	DCPE13C	9.683	1151680	973.365	0
4		10.575	6929	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.900	516400	904.478	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

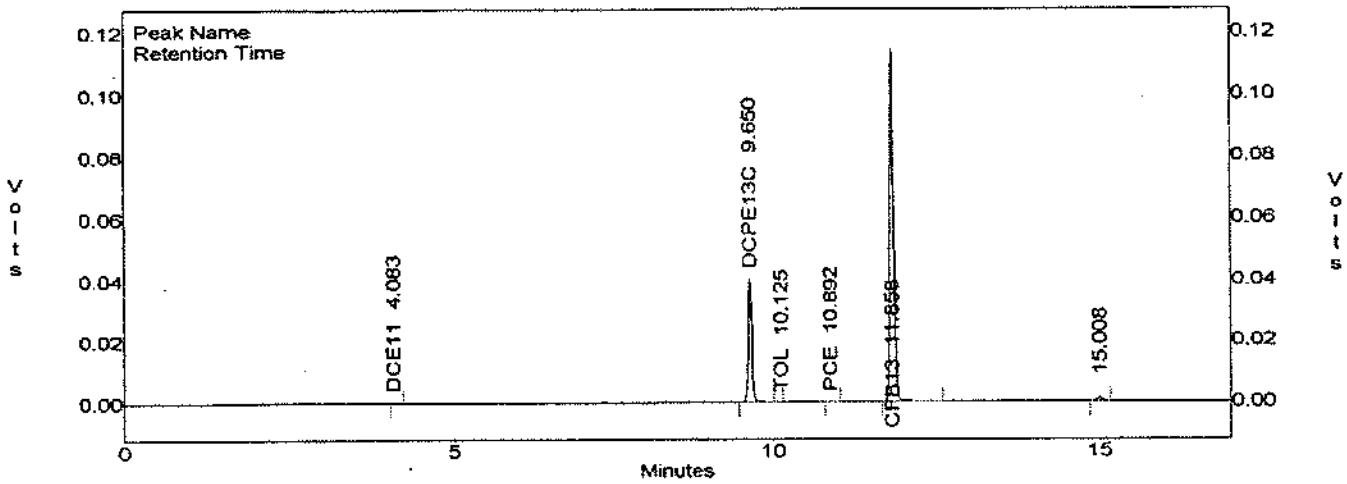
Totals :

	1681977	1877.977

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.092
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-2-5
Acquired : Dec 22, 1995 12:27:20
Printed : Dec 22, 1995 12:44:46
User : PAS

C:\LABQUEST\CHROM\L1265.092 -- Channel B



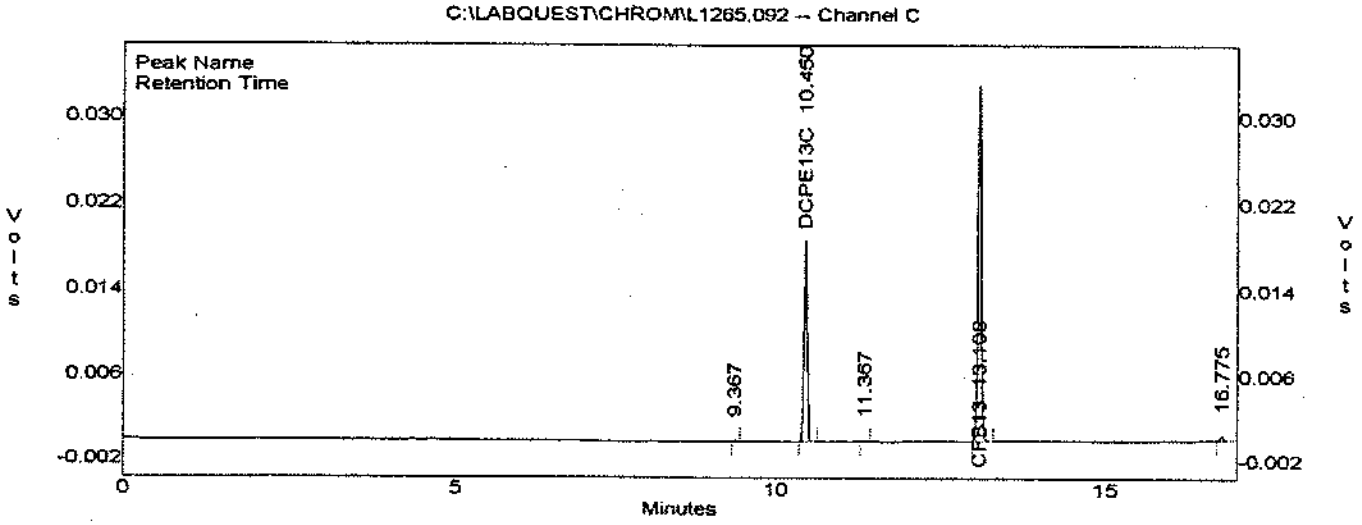
Channel B Results

peak	Compound	RT	area	Conc(ug/1)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	4.083	912	0.317	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
2	DCPE13C	9.650	153291	775.725	0
3	TOL	10.125	~~153272~~ ?	~~27.641~~ all FID	0 PS
4	PCE	10.892	625	0.203	0
5	CFB13	11.858	465234	787.741	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
6		15.008	7359	0.000	0

Totals :

780694 1591.627

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.092
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-2-5
Acquired : Dec 22, 1995 12:27:20
Printed : Dec 22, 1995 12:44:47
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.367	553	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.450	65547	994.530	0
--	TCA112	11.110	0	0.000	0
3		11.367	551	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	13.108	120775	999.437	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
5		16.775	1944	0.000	0

Totals :

	189371	1993.967

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-1-5

Probe Depth (ft): 5

Time Sampled: 1234

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny.

Ground Surface: soil

Air Temp (F): 66

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schwarm

Volume Analyzed (ml): 1.0

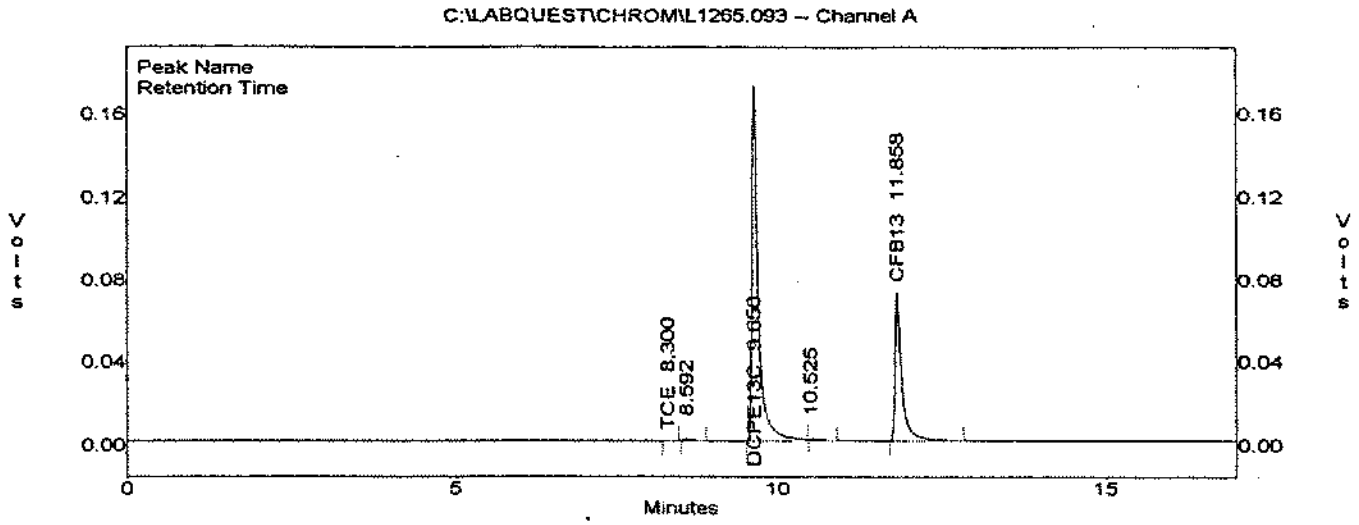
Date: 12-22-95 Time: 1242

Time Injected: 1252 Loop #: manual

Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 98 90 % PID: 76 76 % FID: 100 100 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.093
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-1-5
Acquired : Dec 22, 1995 12:50:32
Printed : Dec 22, 1995 13:07:58
User : PAS



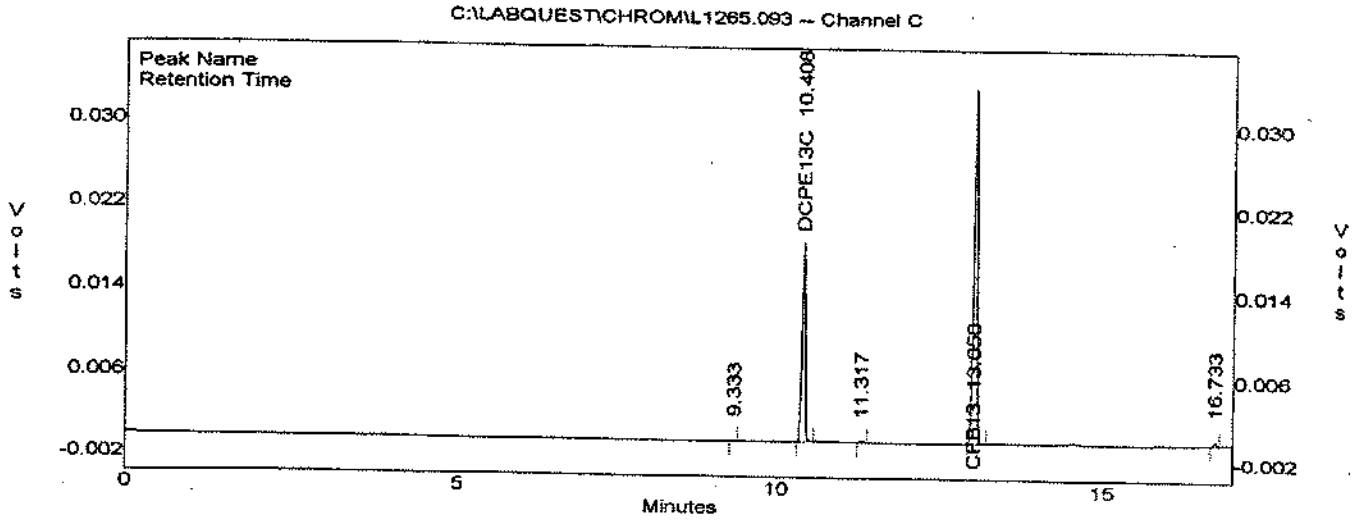
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
1	TCE	8.300	841	0.080	0
2		8.592	5393	0.000	0
3	DCPE13C	9.650	1156799	977.691	0
4		10.525	7692	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.858	515826	903.472	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1686551	1881.242

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.093
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-1-5
Acquired : Dec 22, 1995 12:50:32
Printed : Dec 22, 1995 13:08:03
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.333	535	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.408	66232	1004.912	0
--	TCA112	11.110	0	0.000	0
3		11.317	577	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	13.050	121111	1002.221	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
5		16.733	1428	0.000	0

Totals :

189884 2007.134

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: TB 22 Dec 95

Probe Depth (ft): —

Time Sampled: _____

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: —

Ground Surface: —

Air Temp (F): —

Wind dir/speed: —

Sample Parameters

Probe Volume (ml): —

Max. Purge Vacuum (in. Hg): —

Purge Volume (liters): —

Equilibrium Time: —

Purge Time: —

Sample Volume (ml): 10

Notes: _____

Syringe ID: a: _____ b: _____

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

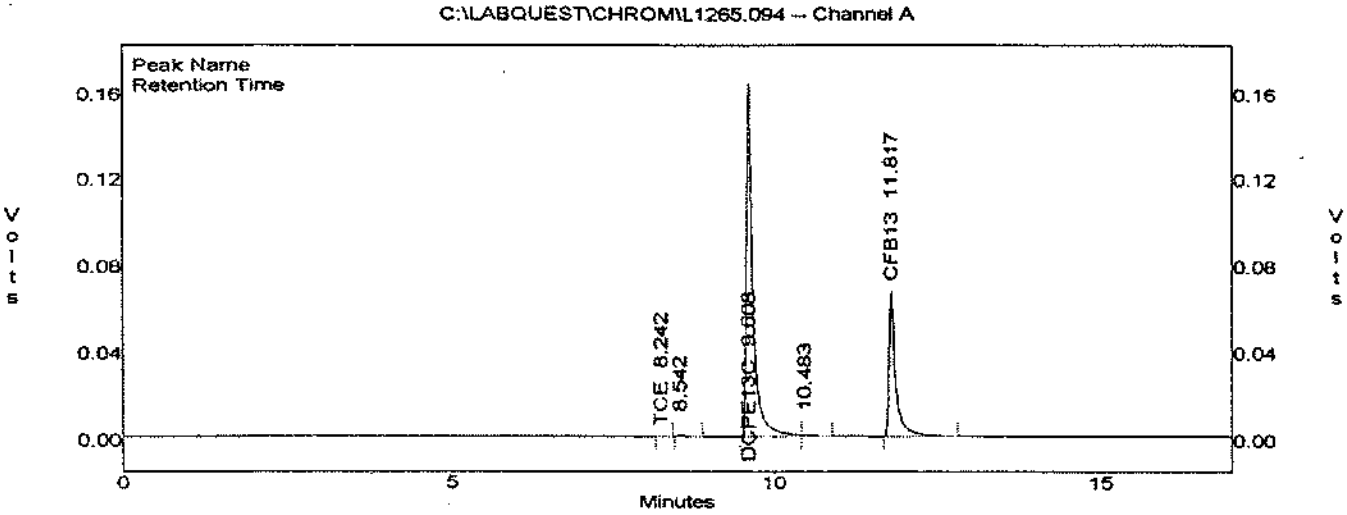
Date: 12-22-91 Time: 1315

Time Injected: 1319 Loop #: manual

Compound	Concentration (ug/l)	Compound	Concentration (ug/l)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 93 85 % PID: 75 70 % FID: 99 98 %

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.094
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB22DEC95
Acquired : Dec 22, 1995 13:18:02
Printed : Dec 22, 1995 13:35:24
User : PAS



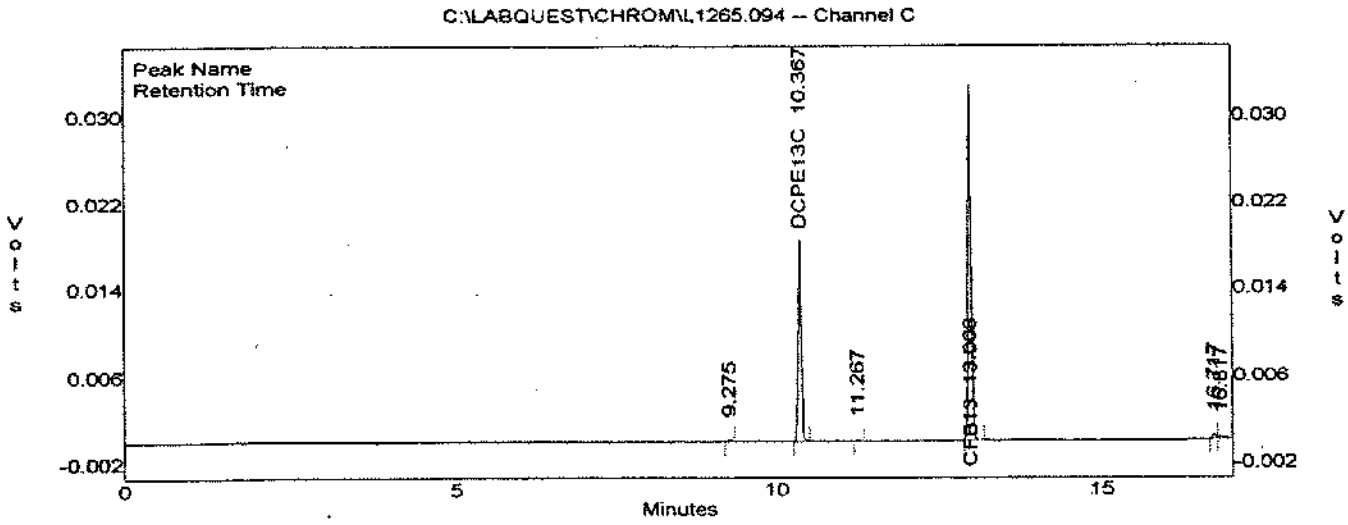
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
1	TCE	8.242	903	0.085	0
2		8.542	5224	0.000	0
3	DCPE13C	9.608	1104050	933.109	0
4		10.483	7146	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
5	CFB13	11.817	483788	847.357	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1601111	1780.552

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.094
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : TB22DEC95
Acquired : Dec 22, 1995 13:18:02
Printed : Dec 22, 1995 13:35:29
User : PAS

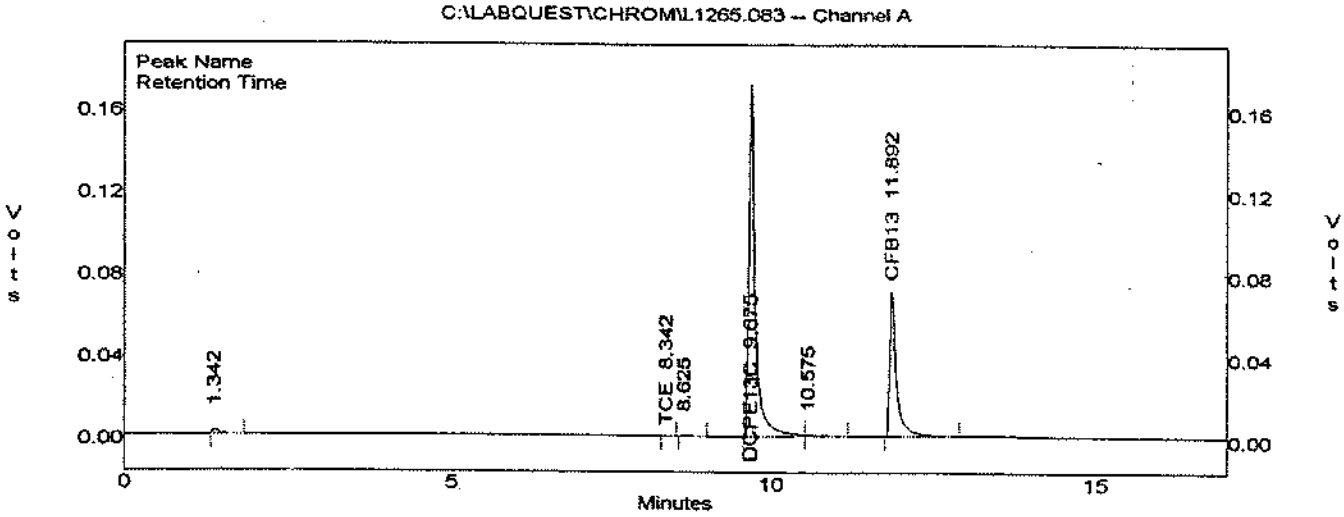


Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.275	539	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.367	64963	985.666	0
--	TCA112	11.110	0	0.000	0
3		11.267	576	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	13.008	118357	979.427	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
--	XYLO	14.830	0	0.000	0
5		16.717	1372	0.000	0
6		16.817	1386	0.000	0

Totals : 187194 1965.093

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.083
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : sv-30-5
Acquired : Dec 22, 1995 08:41:33
Printed : Dec 22, 1995 08:59:50
User : PAS



Channel A Results

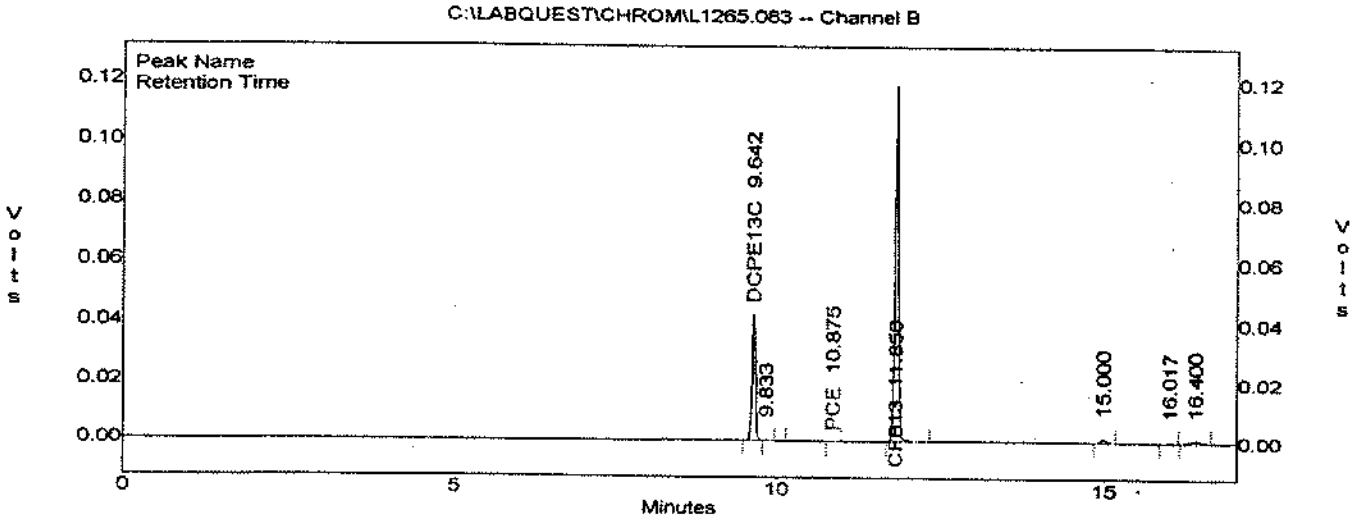
peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.342	15525	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
2	TCE	8.342	571	0.054	0
3		8.625	4693	0.000	0
4	DCPE13C	9.675	1147760	970.051	0
5		10.575	12058	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
6	CFB13	11.892	529593	927.585	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1710201	1897.690

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.083
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : sv-30-5
Acquired : Dec 22, 1995 08:41:33
Printed : Dec 22, 1995 08:59:54
User : PAS



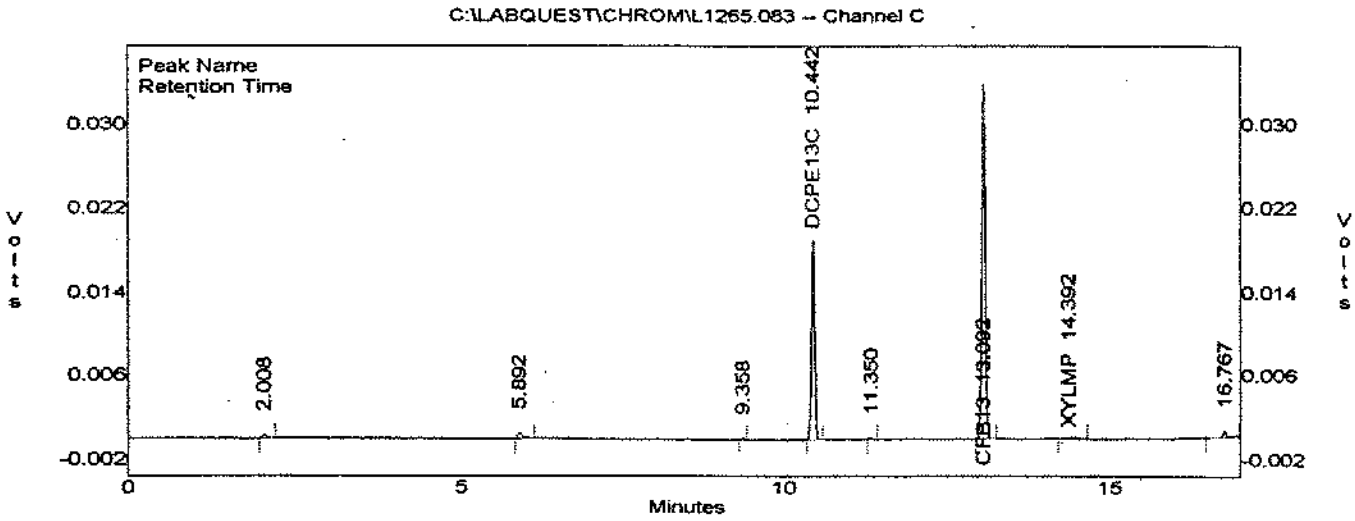
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.642	158935	804.289	0
2		9.833	1407	0.000	0
--	TOL	10.050	0	0.000	0
3	PCE	10.875	698	0 ~~.227~~ Not on Half P7	0
4	CFB13	11.850	480412	813.440	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
5		15.000	8886	0.000	0
6		16.017	1540	0.000	0
7		16.400	8471	0.000	0

Totals :

660351 1617.956

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.083
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : sv-30-5
Acquired : Dec 22, 1995 08:41:33
Printed : Dec 22, 1995 08:59:55
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.008	1598	0.000	0
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
2		5.892	3031	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
3		9.358	535	0.000	0
--	TCE	9.520	0	0.000	0
4	DCPE13C	10.442	66579	1010.177	0
--	TCA112	11.110	0	0.000	0
5		11.350	562	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
6	CFB13	13.092	122053	1010.017	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
7	XYLMP	14.392	1268	~~0.856~~ No peak	0
--	XYLO	14.830	0	0.000 PS	0
8		16.767	3436	0.000	0

Totals :

	199065	2021.050

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-13-5

Probe Depth (ft): 5

Time Sampled: 0856

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: sunny

Ground Surface: Asphalt

Air Temp (F): 65

Wind dir/speed: calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400 ml

Equilibrium Time: 2sec

Purge Time: 2sec.

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-22-95 Time: 0903

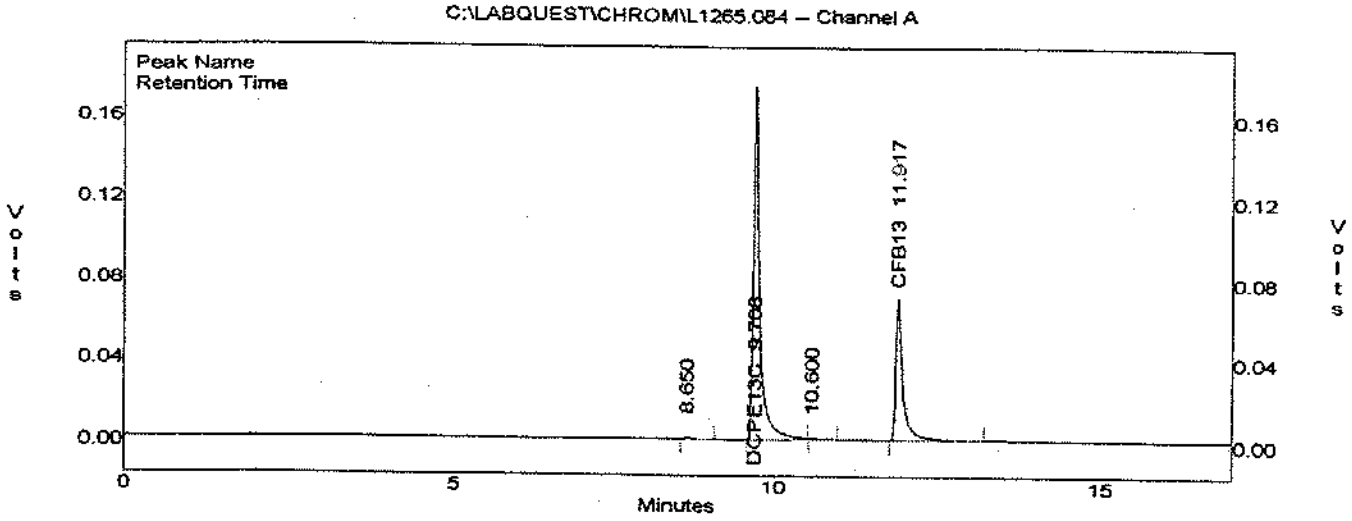
Time Injected: 0904 Loop #: manual

Compound	Concentration (ug/1)	Compound	Concentration (ug/1)
Freon 12	<1	Tetrachloroethene	<1
Vinyl Chloride	<1	1,1,1,2 PCA	<1
Chloroethane	<1	1,1,2,2 PCA	<1
Freon 11	<1	1,1-Dichloroethene	<1
Dichloromethane	<1	Benzene	<1
trans-1,2-Dichloroethene	<1	Toluene	<1
1,1-Dichloroethane	<1	Ethyl Benzene	<1
cis-1,2-Dichloroethene	<1	m/p-xylene	<1
Chloroform	<1	o-Xylene	<1
1,1,1-trichloroethane	<1		
Carbon Tetrachloride	<1		
1,2-Dichloroethane	<1	Freon 113	<1
Trichloroethene	<1		
1,1,2-Trichloroethane	<1		

Surrogate Recovery ELCD: 101 94 % PID: 78 79 % FID: 99 101 %

Report PID compounds from ~~surrogate~~ FID due to low surrogate recoveries.

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.084
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-13-5
Acquired : Dec 22, 1995 09:05:30
Printed : Dec 22, 1995 09:33:44
User : PAS



Channel A Results

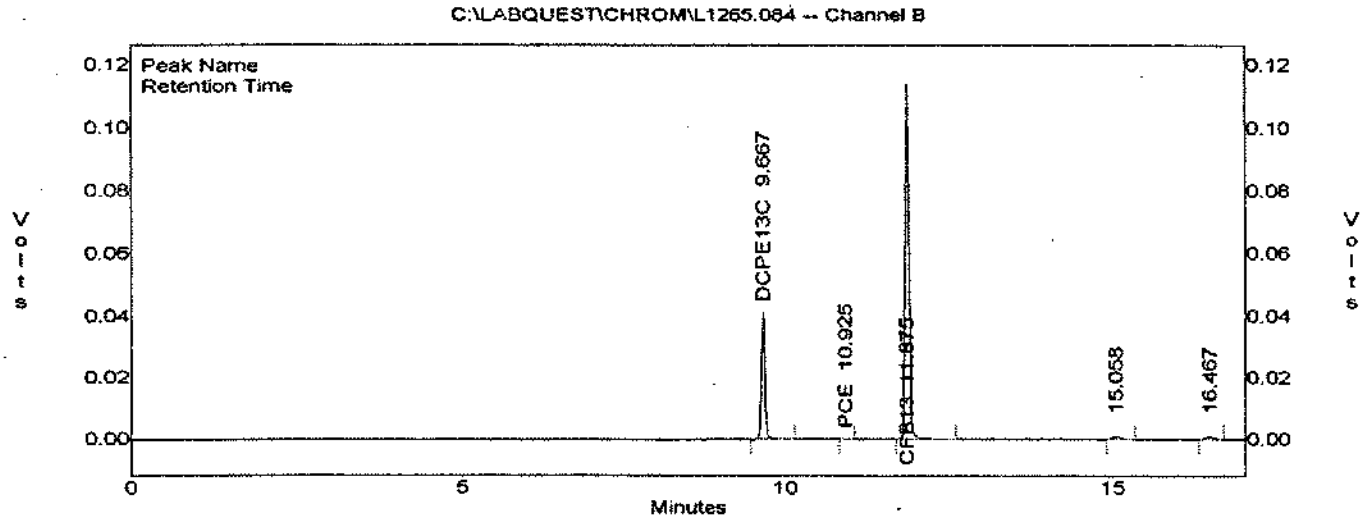
peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
--	DCE12C	6.220	0	0.000	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
--	DCA12	7.390	0	0.000	0
--	TCE	8.220	0	0.000	0
1		8.650	6432	0.000	0
2	DCPE13C	9.708	1199751	1013.992	0
3		10.600	8217	0.000	0
--	TCA112	10.760	0	0.000	0
--	PCE	10.910	0	0.000	0
4	CFB13	11.917	535345	937.661	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

Totals :

	1749747	1951.653

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.084
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-13-5
Acquired : Dec 22, 1995 09:05:30
Printed : Dec 22, 1995 09:33:48
User : PAS



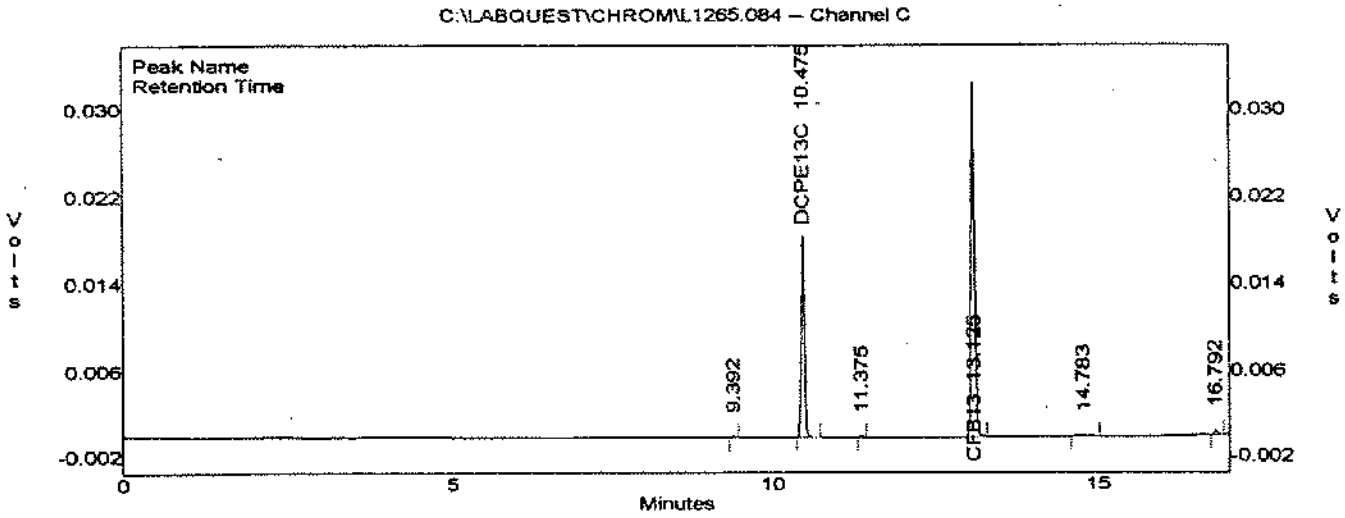
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
--	DCE11	3.890	0	0.000	0
--	DCE12T	4.910	0	0.000	0
--	DCE12C	6.190	0	0.000	0
--	BNZ	7.300	0	0.000	0
--	TCE	8.180	0	0.000	0
1	DCPE13C	9.667	153980	779.216	0
--	TOL	10.050	0	0.000	0
2	PCE	10.925	718	0.233	0
3	CFB13	11.875	468249	792.846	0
--	EB	12.440	0	0.000	0
--	XYLMP	12.650	0	0.000	0
--	XYLO	13.320	0	0.000	0
4		15.058	7773	0.000	0
5		16.467	6732	0.000	0

Totals :

	637453	1572.295

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.084
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-13-5
Acquired : Dec 22, 1995 09:05:30
Printed : Dec 22, 1995 09:33:49
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	FR12	2.950	0	0.000	0
--	VC	3.640	0	0.000	0
--	CLET	4.450	0	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
1		9.392	518	0.000	0
--	TCE	9.520	0	0.000	0
2	DCPE13C	10.475	65049	986.967	0
--	TCA112	11.110	0	0.000	0
3		11.375	546	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
4	CFB13	13.125	122020	1009.739	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
--	XYLMP	14.230	0	0.000	0
5		14.783	1359	0.000	0
--	XYLO	14.830	0	0.000	0
6		16.792	1543	0.000	0

Totals : 191036 1996.706

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: FUGRO/BURBANK

Project No.: L12 65

Sample I.D.: SV-14-5

Probe Depth (ft): 5

Time Sampled: 0915

Sampled by: BV

Date Sampled: 12-22-95

Matrix: Soil Gas (x) Soil ( ) Water ( )

Field Parameters

Weather: Sunny

Ground Surface: Asphalt

Air Temp (F): 66

Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 80

Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): 400 ml

Equilibrium Time: 2 sec

Purge Time: 2 sec

Sample Volume (ml): 20

Notes:

Syringe ID: a: b:

Analytical Summary

Chemist: P. Schumann

Volume Analyzed (ml): 1.0

Date: 12-22-95 Time: 0918

Time Injected: 0927 Loop #: manual

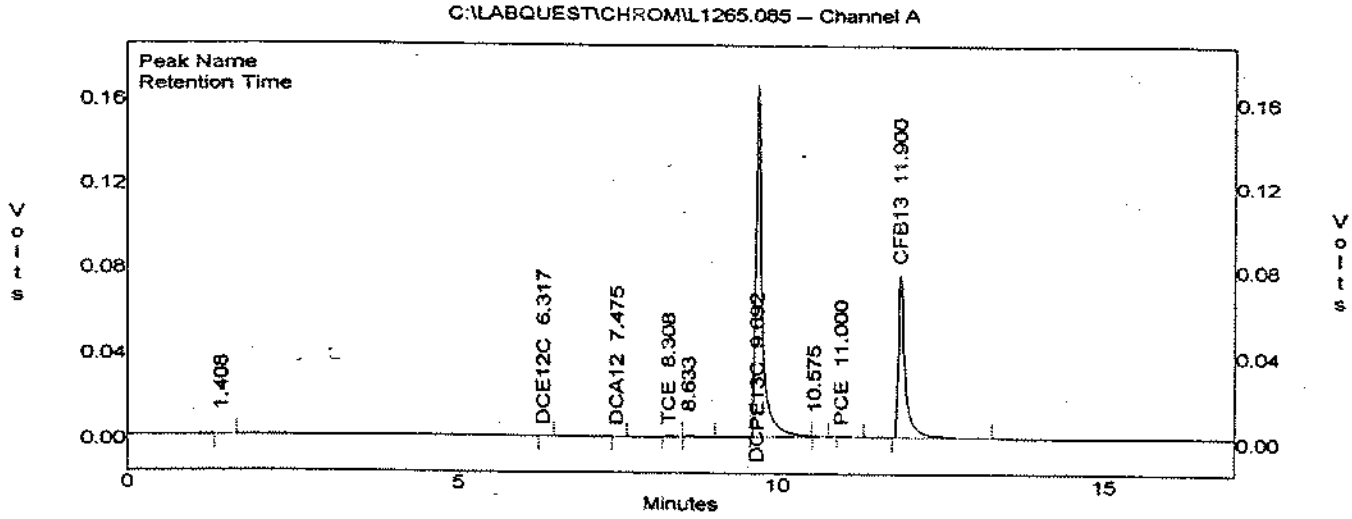
Compound	Concentration (ug/l)		Compound	Concentration (ug/l)	
Freon 12	<1		Tetrachloroethene	<1	
Vinyl Chloride	<1		1,1,1,2 PCA	<1	
Chloroethane	<1		1,1,2,2 PCA	<1	
Freon 11	<1		1,1-Dichloroethene	<1	
Dichloromethane	<1		Benzene	<1	
trans-1,2-Dichloroethene	<1		Toluene	<1	
1,1-Dichloroethane	<1		Ethyl Benzene	<1	
cis-1,2-Dichloroethene	<1		m/p-xylene	<1	
Chloroform	<1		o-Xylene	<1	
1,1,1-trichloroethane	<1				
Carbon Tetrachloride	<1				
1,2-Dichloroethane	<1		Freon 113	<1	
Trichloroethene	<1				
1,1,2-Trichloroethane	<1				

Surrogate Recovery ELCD: 96 100 % PID: 80 80 % FID: 99 102 %

93 88 78 77 100 102

BGPAA 0499

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.085
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:30:43
Printed : Dec 22, 1995 09:53:32
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.408	1476	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
--	DCE11+FR113	3.940	0	0.000	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
2	DCE12C	6.317	687	0.076	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
3	DCA12	7.475	661	0.065	0
4	TCE	8.308	5350	0.506	0
5		8.633	7322	0.000	0
6	DCPE13C	9.692	1134501	958.845	0
7		10.575	3616	0.000	0
--	TCA112	10.760	0	0.000	0
8	PCE	11.000	3476	0.229	0
9	CFB13	11.900	570703	999.590	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

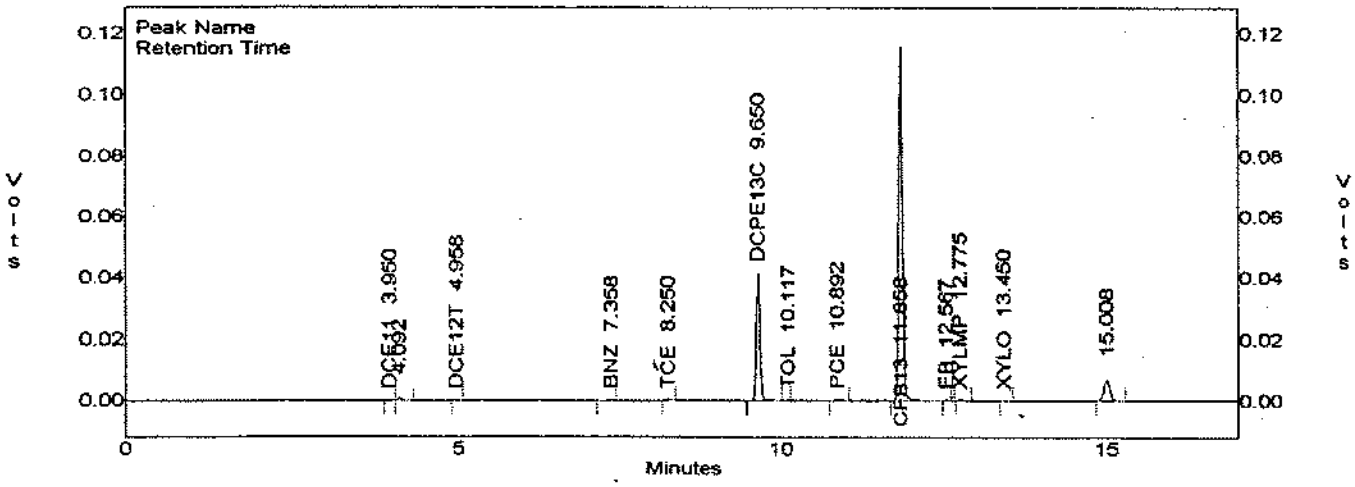
Totals :

	1727795	1959.312

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.085
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:30:43
Printed : Dec 22, 1995 09:53:36
User : PAS

C:\LABQUEST\CHROM\L1265.085 – Channel B



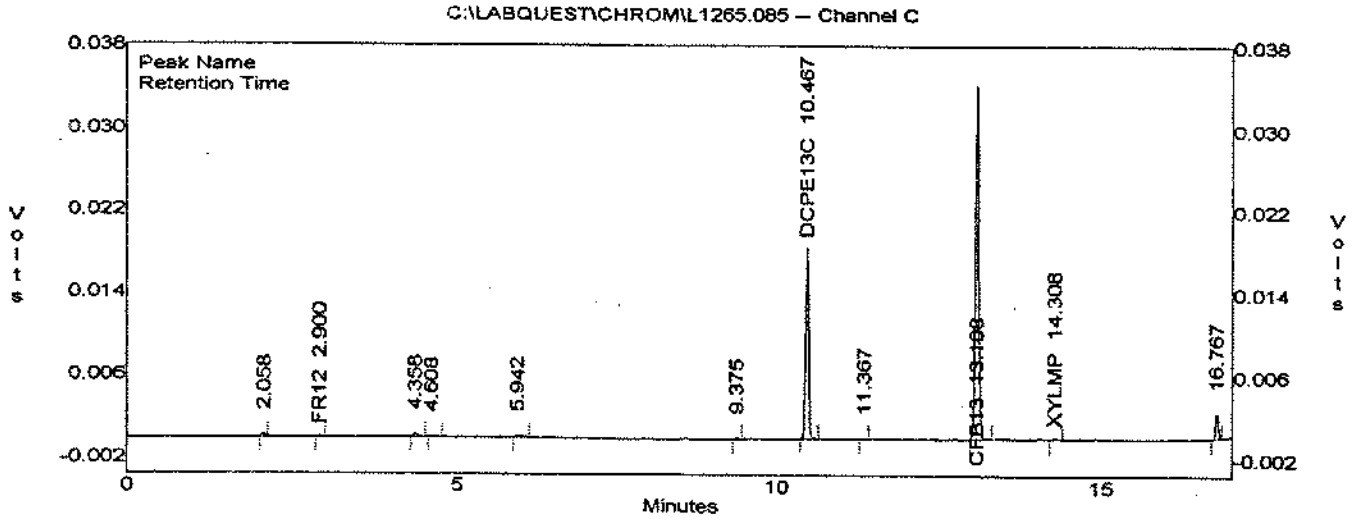
Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
--	VC	2.090	0	0.000	0
1	DCE11	3.950	943	~~0.327~~ Not on Hole	0
2		4.092	3672	0.000	0
3	DCE12T	4.958	758	0.127	0
--	DCE12C	6.190	0	0.000	0
4	BNZ	7.358	918	0.138	0
5	TCE	8.250	1473	0.391	0
6	DCPE13C	9.650	156109	789.988	0
7	TOL	10.117	~~154738~~	~~27.905~~ Not ID	0
8	PCE	10.892	3050	0.992	0
9	CFB13	11.858	470366	796.431	0
10	EB	12.567	639	0.114	0
11	XYLMP	12.775	1981	0.339	0
12	XYLO	13.450	845	0.148	0
13		15.008	44711	0.000	0

area wrong for peak size see duplicate

Totals : 840207 1616.901

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.085
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:30:43
Printed : Dec 22, 1995 09:53:38
User : PAS



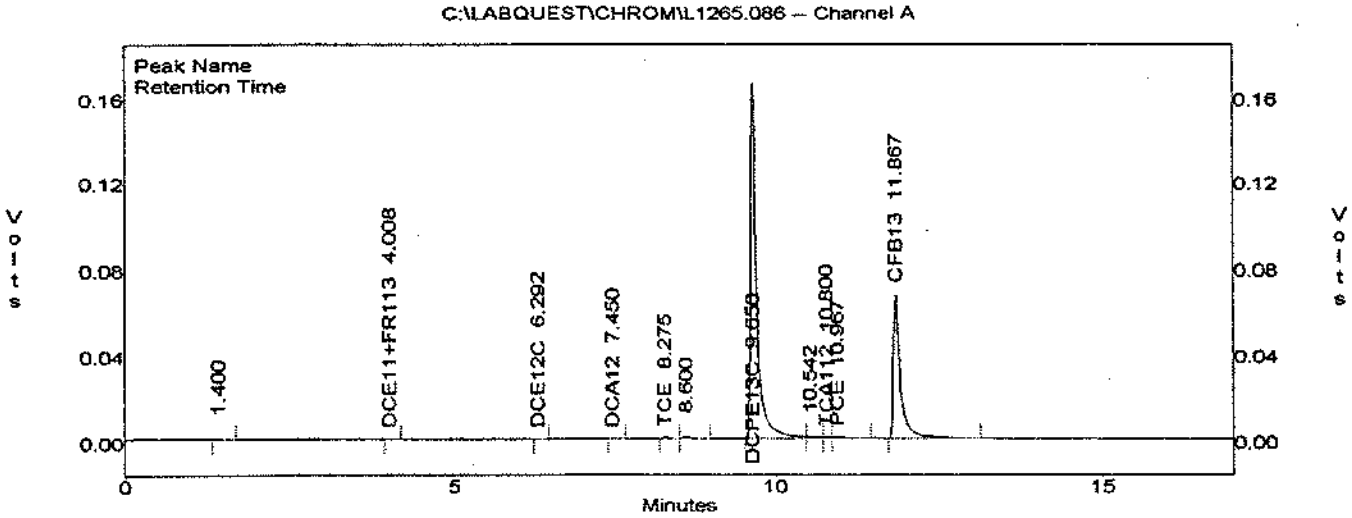
Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.058	1246	0.000	0
2	FR12	2.900	670	~~1.296~~	0
--	VC	3.640	0	0.000	0
3		4.358	1400	0.000	0
--	CLET	4.450	0	0.000	0
4		4.608	601	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
5		5.942	1266	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
--	BNZ	8.530	0	0.000	0
--	CBTC	8.660	0	0.000	0
6		9.375	538	0.000	0
--	TCE	9.520	0	0.000	0
7	DCPE13C	10.467	65060	987.138	0
--	TCA112	11.110	0	0.000	0
8		11.367	556	0.000	0
--	TOL	11.430	0	0.000	0
--	PCE	12.710	0	0.000	0
9	CFB13	13.108	123583	1022.674	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
10	XYLMP	14.308	870	0.587	0
--	XYLO	14.830	0	0.000	0
11		16.767	7503	0.000	0

Totals :

	203295	2011.695

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.086
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:54:13
Printed : Dec 22, 1995 10:11:38
User : PAS



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.400	2079	0.000	0
--	FR12	1.630	0	0.000	0
--	VC	2.130	0	0.000	0
--	CLET	2.820	0	0.000	0
--	FR11	3.210	0	0.000	0
2	DCE11+FR113	4.008	551	0.076	0
--	DCM	4.610	0	0.000	0
--	DCE12T	4.940	0	0.000	0
--	DCA11	5.480	0	0.000	0
3	DCE12C	6.292	597	0.066	0
--	CLFM	6.660	0	0.000	0
--	TCA111	6.840	0	0.000	0
--	CBTC	7.050	0	0.000	0
4	DCA12	7.450	705	0.069	0
5	TCE	8.275	5023	0.475	0
6		8.600	6783	0.000	0
7	DCPE13C	9.650	1104673	933.635	0
8		10.542	8874	0.000	0
9	TCA112	10.800	3437	0.188	0
10	PCE	10.967	8454	0.556	0
11	CFB13	11.867	501716	878.760	0
--	PCA1112	12.490	0	0.000	0
--	PCA1122	14.700	0	0.000	0

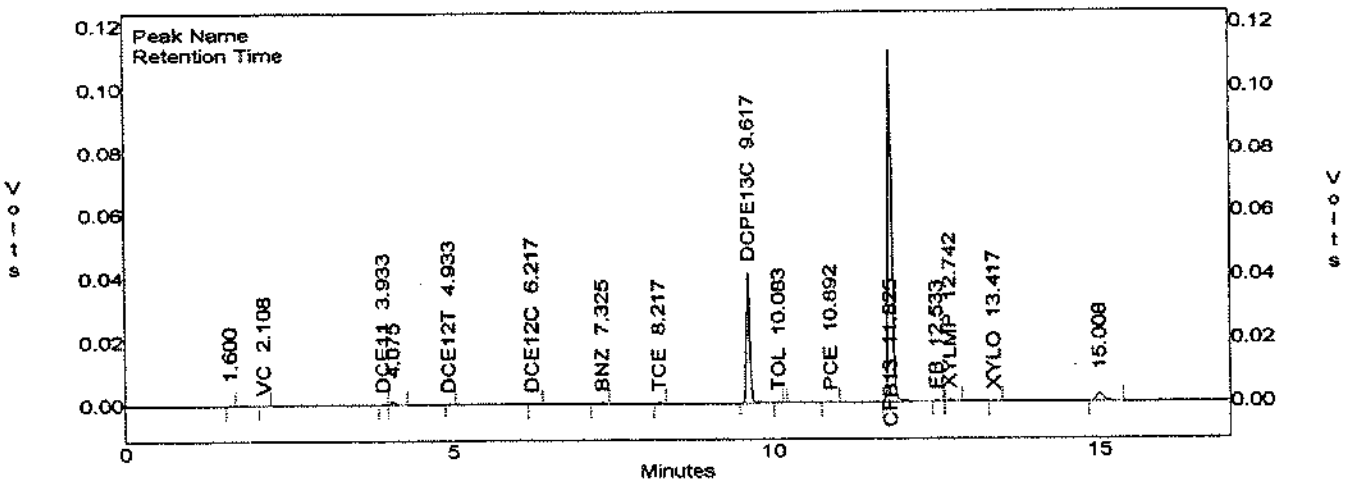
Totals :

	1642897	1813.826

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.086
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:54:13
Printed : Dec 22, 1995 10:11:41
User : PAS

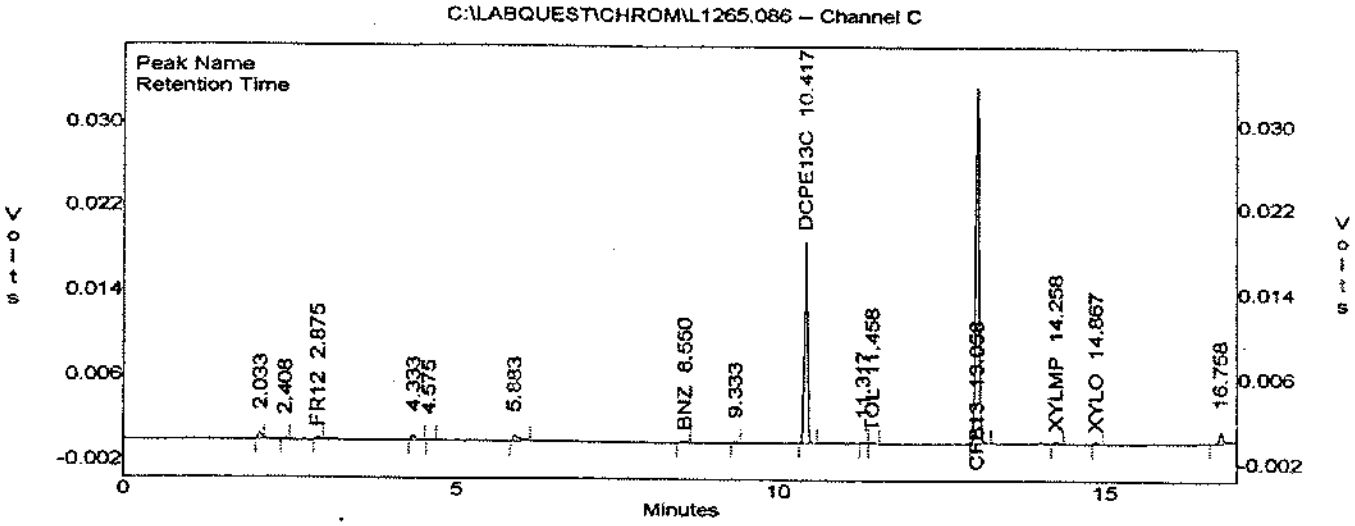
C:\LABQUEST\CHROM\L1265.086 – Channel B



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1		1.600	715	0.000	0
2	VC	2.108	560	0.568	0
3	DCE11	3.933	1513	0.525	0
4		4.075	5189	0.000	0
5	DCE12T	4.933	771	0.129	0
6	DCE12C	6.217	673	0.203	0
7	BNZ	7.325	1434	0.216	0
8	TCE	8.217	1571	0.418	0
9	DCPE13C	9.617	153635	777.470	0
10	TOL	10.083	1163	0.210	0
11	PCE	10.892	2035	0.662	0
12	CFB13	11.825	457480	774.612	0
13	EB	12.533	861	0.153	0
14	XYLMP	12.742	2941	0.504	0
15	XYLO	13.417	1402	0.245	0
16		15.008	20234	0.000	0
Totals :			652182	1555.915	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.086
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:54:13
Printed : Dec 22, 1995 10:11:43
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.033	2291	0.000	0
2		2.408	549	0.000	0
3	FR12	2.875	942	1.822	0
--	VC	3.640	0	0.000	0
4		4.333	2298	0.000	0
--	CLET	4.450	0	0.000	0
5		4.575	655	0.000	0
--	DCE11+DCM	5.050	0	0.000	0
--	FR11	5.170	0	0.000	0
--	FR113	5.420	0	0.000	0
6		5.883	3505	0.000	0
--	DCE12T	6.010	0	0.000	0
--	DCA11	6.190	0	0.000	0
--	DCE12C	6.930	0	0.000	0
--	CLFM	7.190	0	0.000	0
--	DCA12	7.850	0	0.000	0
--	TCA111	8.100	0	0.000	0
7	BNZ	8.550	732	0.484	0
--	CBTC	8.660	0	0.000	0
8		9.333	562	0.000	0
--	TCE	9.520	0	0.000	0
9	DCPE13C	10.417	65676	996.476	0
--	TCA112	11.110	0	0.000	0
10		11.317	608	0.000	0
11	TOL	11.458	555	0.368	0
--	PCE	12.710	0	0.000	0
12	CFB13	13.058	123159	1019.169	0
--	PCA1112	13.490	0	0.000	0
--	PCA1122+EB	14.000	0	0.000	0
13	XYLMP	14.258	1192	0.805	0
14	XYLO	14.867	736	0.433	0
15		16.758	4527	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.086
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : SV-14-5
Acquired : Dec 22, 1995 09:54:13
Printed : Dec 22, 1995 10:11:45
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			207992	2019.557	

HYDRO GEO CHEM, INC.

DAILY CALIBRATION CHECK
Project: FUGRO/BURBANK, CA
Project #: L1265

Date Calibrated: December 20, 1995.
Analyst: P. Schumann
Instrument ID#: 3400-4199

Date:	12-22-95
Time:	06:29
Labquest File number:	L1265.078
Volume injected(ul):	200
Standard Used:	CAL9516

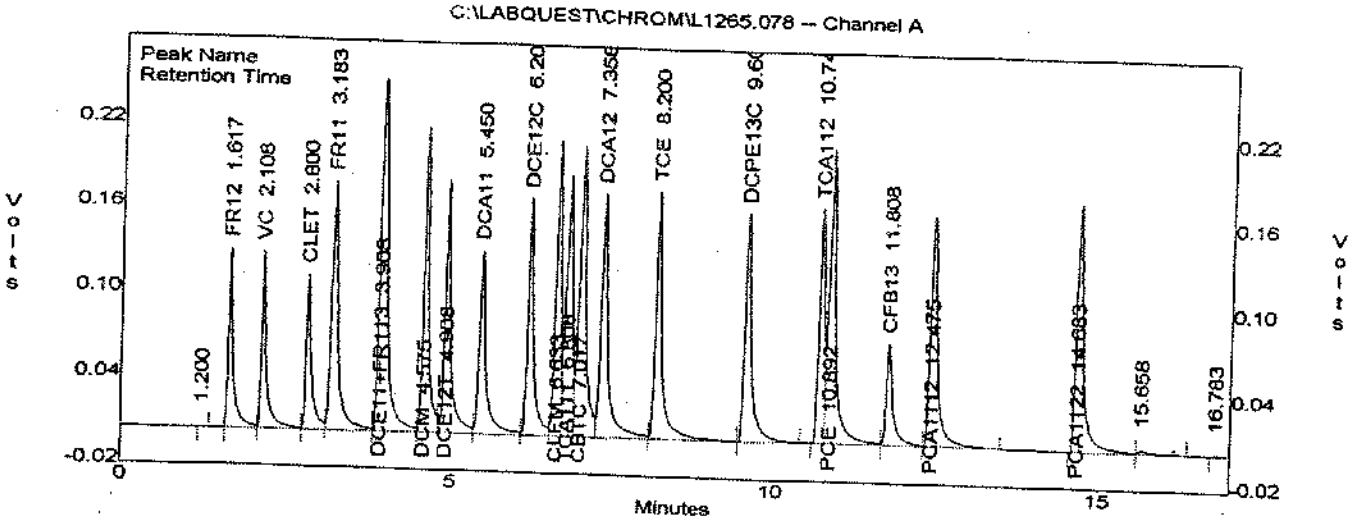
Compound Name	Detector	Retention Time	Mass Injected(ug)	Area measured	Rf	Rf (IC)	RPD	Control Limits (%)
Dichlorodifluoromethane	ELCD	1.6	0.1012	620262	1.6E-07	1.4E-07	-17	+/- 25
Vinyl Chloride	ELCD	2.09	0.1016	652178	1.6E-07	1.3E-07	-20	+/- 25
Chloroethane	ELCD	2.78	0.102	610802	1.7E-07	1.5E-07	-11	+/- 25
Trichlorofluoromethane	ELCD	3.17	0.1028	1236238	8.3E-08	8.3E-08	-0	+/- 25
Dichloromethane	ELCD	4.56	0.1018	1192057	8.5E-08	1E-07	15	+/- 15
trans-1,2-Dichloroethene	**ELCD**	**4.89**	**0.0986**	**1126388**	**8.8E-08**	**9.4E-08**	**7**	+/- 15
1,1-Dichloroethane	**ELCD**	5.43	0.0872	**971886**	9E-08	9.4E-08	**5**	+/- 15
cis-1,2-Dichloroethene	**ELCD**	6.18	0.102	**1056504**	9.7E-08	1E-07	**3**	+/- 15
Chloroform	ELCD	6.61	0.105	1172600	9E-08	8.8E-08	-2	+/- 15
1,1,1-Trichloroethane	**ELCD**	**6.79**	**0.1048**	**1306713**	**8E-08**	**8.6E-08**	**7**	+/- 15
Carbon Tetrachloride	ELCD	6.99	0.102	**1594424**	6.4E-08	7.1E-08	10	+/- 15
1,2-Dichloroethane	**ELCD**	**7.33**	**0.1022**	**1271875**	**8E-08**	**8.6E-08**	**7**	+/- 15
Trichloroethene	**ELCD**	**8.17**	**0.1002**	**1282036**	**7.8E-08**	**8.2E-08**	**5**	+/- 15
1,1,2 Tetrachloroethane	**FID**	**11.04**	**0.101**	**31632**	**3.2E-06**	**3.3E-06**	**4**	+/- 15
Tetrachloroethene	**ELCD**	**10.86**	**0.1006**	**1612167**	**6.2E-08**	**5.7E-08**	**-9**	+/- 15
1112 tetrachloroethane	ELCD	12.45	0.1008	1217962	8.3E-08	8.2E-08	-1	+/- 15
1122 tetrachloroethane	ELCD	14.67	0.1024	1267213	8.1E-08	9E-08	10	+/- 15
1,1-Dichloroethene + F113	ELCD	3.89	0.2036	2012815	1E-07	1.1E-07	8	+/- 15
1,1-Dichloroethene	PID	3.84	0.1008	236033	4.3E-07	4.2E-07	-2	+/- 15
1,1-Dichloroethene + DCM	FID	5	0.2026	43305	4.7E-06	4.9E-06	5	+/- 15
Benzene	**PID**	**7.24**	**0.1038**	**616130**	**1.7E-07**	**1.6E-07**	**-5**	+/- 15
Toluene	**FID**	**10**	**0.102**	**157750**	**6.5E-07**	**6.1E-07**	**-6**	+/- 15
Ethyl Benzene	PID	12.46	0.103	548931	1.9E-07	1.8E-07	-4	+/- 15
Ethyl Benzene + 1122 Tetrachloroethane	FID	13.96	0.2054	149339	1.4E-06	1.3E-06	-6	+/- 15
m/p-Xylene	**PID**	**12.68**	**0.2056**	**1281471**	**1.6E-07**	**1.5E-07**	**-7**	+/- 15
o-Xylene	**FID**	**14.77**	**0.103**	**192367**	**5.4E-07**	**5.7E-07**	**5**	+/- 15
1,1,2-Trichlorotrifluoroethane	FID	5.35	0.1026	18881	5.4E-06	5.9E-06	8	+/- 25

Compounds in bold type are required by RWQCB

BGPAA 0507

Preliminary Data

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.078
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 200UL CAL9516
Acquired : Dec 22, 1995 06:29:26
Printed : Dec 22, 1995 07:05:39
User : PAS

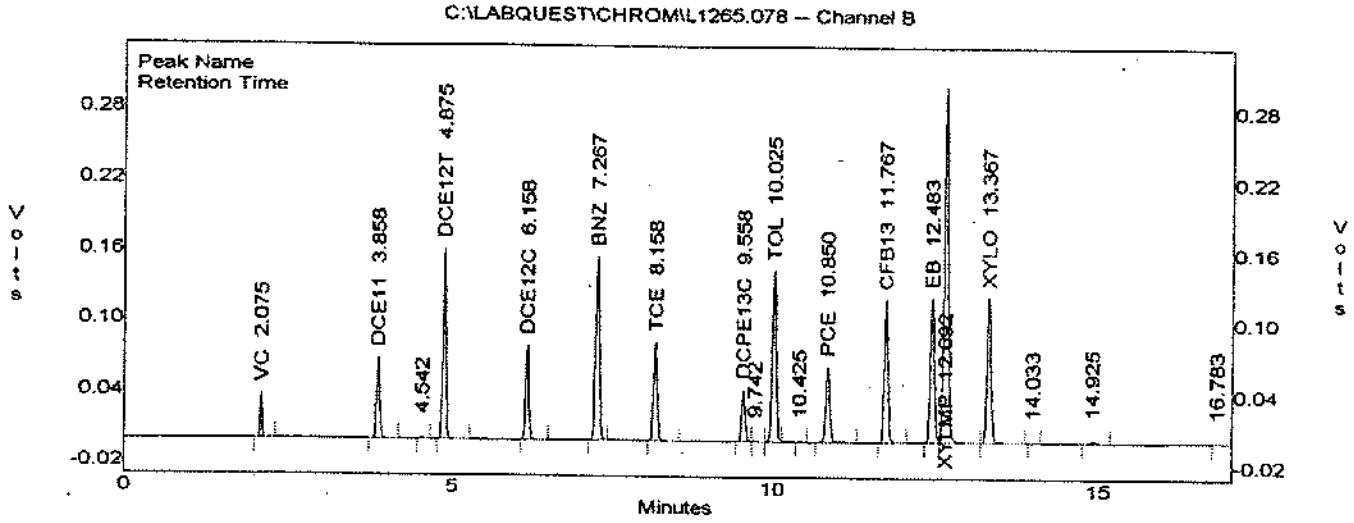


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.200	891	0.000	0
2	FR12	1.617	620262	0.087	0
3	VC	2.108	652178	0.094	0
4	CLET	2.800	610802	0.096	0
5	FR11	3.183	1236238	0.113	0
6	DCE11+FR113	3.908	2012815	0.278	0
7	DCM	4.575	1192057	0.128	0
8	DCE12T	4.908	1126388	0.119	0
9	DCA11	5.450	971886	0.094	0
10	DCE12C	6.200	1056504	0.117	0
11	CLFM	6.633	1172600	0.101	0
12	TCA111	6.808	1306713	0.125	0
13	CBTC	7.017	1594424	0.130	0
14	DCA12	7.358	1271875	0.125	0
15	TCE	8.200	1282036	0.121	0
16	DCPE13C	9.600	1100517	0.930	0
17	TCA112	10.742	902154	0.049	0
18	PCE	10.892	1612157	0.106	0
19	CFB13	11.808	527141	0.923	0
20	PCA1112	12.475	1217962	0.113	0
21	PCA1122	14.683	1267213	0.127	0
22		15.658	30432	0.000	0
23		16.783	3344	0.000	0
Totals :			22768598	3.978	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

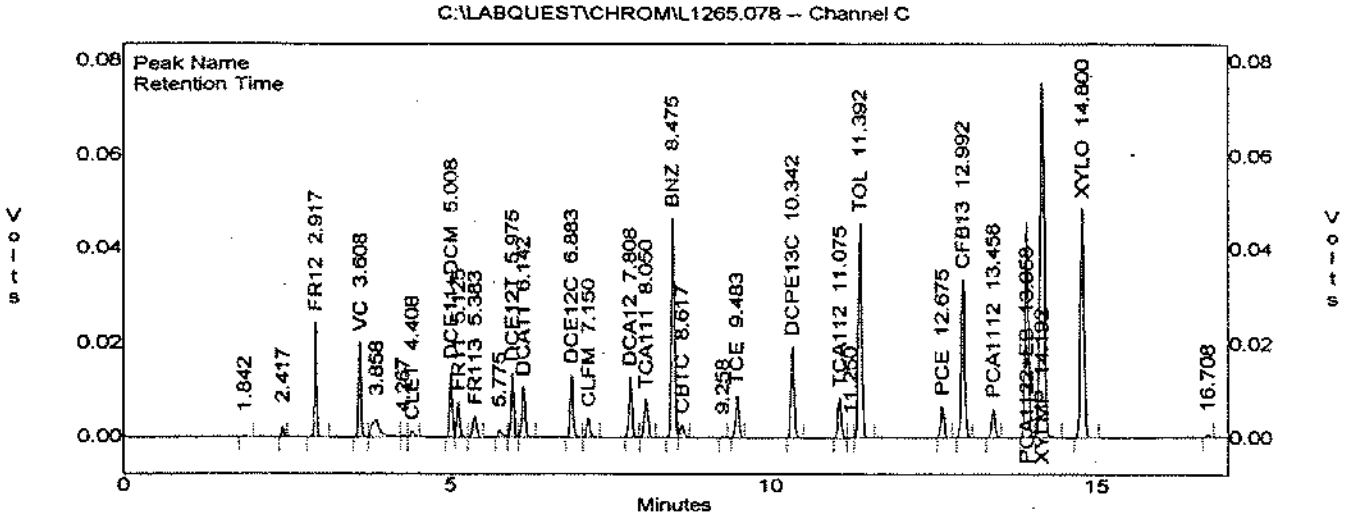
File : C:\LABQUEST\CHROM\L1265.078
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 200UL CAL9516
Acquired : Dec 22, 1995 06:29:26
Printed : Dec 22, 1995 07:05:44
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.075	77051	0.078	0
2	DCE11	3.858	236033	0.082	0
3		4.542	4451	0.000	0
4	DCE12T	4.875	510039	0.086	0
5	DCE12C	6.158	279170	0.084	0
6	BNZ	7.267	616130	0.093	0
7	TCE	8.158	321164	0.085	0
8	DCPE13C	9.558	163099	0.825	0
9		9.742	1466	0.000	0
10	TOL	10.025	582921	0.105	0
11		10.425	683	0.000	0
12	PCE	10.850	267474	0.087	0
13	CFB13	11.767	487099	0.825	0
14	EB	12.483	548931	0.098	0
15	XYLMP	12.692	1281471	0.220	0
16	XYLO	13.367	530223	0.093	0
17		14.033	526	0.000	0
18		14.925	10522	0.000	0
19		16.783	579	0.000	0
Totals :			5919039	2.760	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\L1265.078
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 200UL CAL9516
Acquired : Dec 22, 1995 06:29:26
Printed : Dec 22, 1995 07:05:46
User : PAS



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.842	1258	0.000	0
2		2.417	4708	0.000	0
3	FR12	2.917	51869	0.100	0
4	VC	3.608	51314	0.102	0
5		3.858	31416	0.000	0
6		4.267	730	0.000	0
7	CLET	4.408	4552	0.112	0
8	DCE11+DCM	5.008	43305	0.213	0
9	FR11	5.125	21344	0.106	0
10	FR113	5.383	18881	0.102	0
11		5.775	6621	0.000	0
12	DCE12T	5.975	41346	0.104	0
13	DCA11	6.142	36721	0.091	0
14	DCE12C	6.883	42888	0.106	0
15	CLFM	7.150	14363	0.111	0
16	DCA12	7.808	42990	0.107	0
17	TCA111	8.050	32802	0.108	0
18	BNZ	8.475	164476	0.109	0
19	CBTC	8.617	10852	0.108	0
20		9.258	542	0.000	0
21	TCE	9.483	31272	0.105	0
22	DCPE13C	10.342	66883	1.015	0
23	TCA112	11.075	31632	0.107	0
24		11.250	591	0.000	0
25	TOL	11.392	163470	0.108	0
26	PCE	12.675	25540	0.107	0
27	CFB13	12.992	121587	1.006	0
28	PCA1112	13.458	24497	0.107	0
29	PCA1122+EB	13.958	166059	0.222	0
30	XYLMP	14.192	333835	0.225	0
31	XYLO	14.800	192367	0.113	0
32		16.708	1935	0.000	0

Continued...

File : C:\LABQUEST\CHROM\L1265.078
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 200UL CAL9516
Acquired : Dec 22, 1995 06:29:26
Printed : Dec 22, 1995 07:05:48
User : PAS

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :					
			1782659	4.695	

HYDRO GEO CHEM, INC.

LCS Results
Project #: L1265
Fugro/Burbank
Instrument ID#: 3400-4199

Date Analyzed:	12-22-95
Time Analyzed:	06:57
Labquest File #:	L1265.079
Standard Used:	CAL9517
Volume used:	1000ul

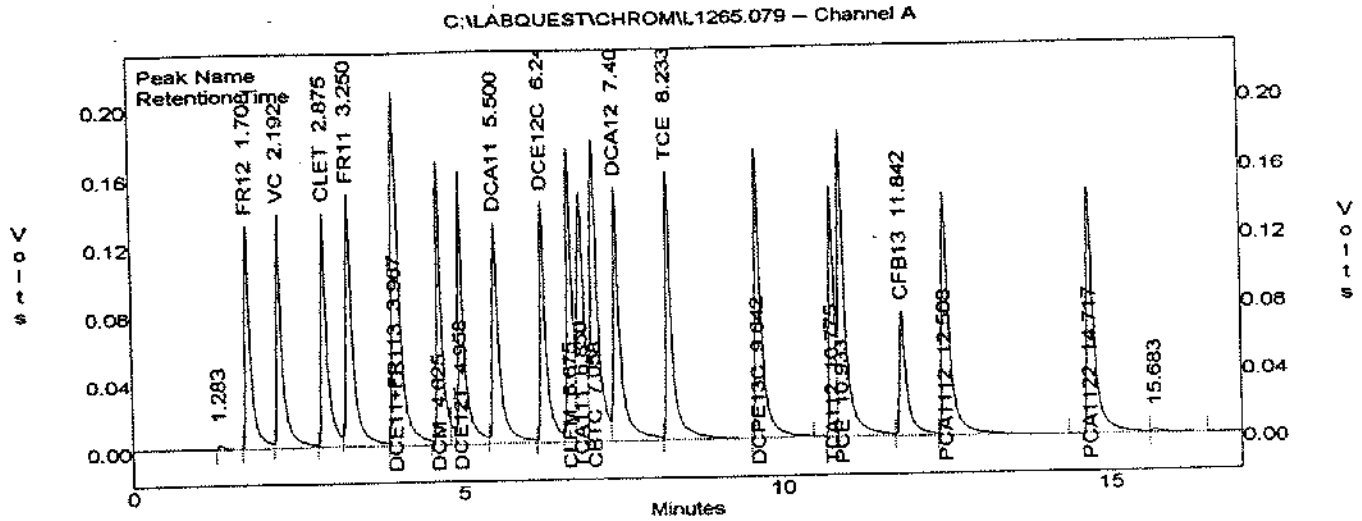
Compound Name		Retention Time	Mass Injected	Area	Rf	Rf(IC)	RPD	Control Limits (%)	Comments
Dichlorodifluoromethane	ELCD	1.71	0.113	792843	1.4E-07	1.4E-07	-2	+/- 25	
Vinyl Chloride	ELCD	2.19	0.116	862955	1.3E-07	1.3E-07	-3	+/- 25	
Chloroethane	ELCD	2.86	0.12	839830	1.4E-07	1.5E-07	5	+/- 25	
Trichlorofluoromethane	ELCD	3.25	0.104	1116955	9.3E-08	8.3E-08	-12	+/- 25	
Dichloromethane	ELCD	4.62	0.0985	925563	1.1E-07	1E-07	-6	+/- 15	
trans-1,2-Dichloroethene	ELCD	4.96	0.099	1037615	9.5E-08	9.4E-08	-2	+/- 15	
1,1-Dichloroethane	ELCD	5.49	0.0996	964764	1E-07	9.4E-08	-10	+/- 15	
cis-1,2-Dichloroethene	ELCD	6.24	0.1	912570	1.1E-07	1E-07	-10	+/- 15	
Chloroform	ELCD	6.67	0.0995	973614	1E-07	8.4E-08	-16	+/- 15	See FID data
Chloroform	FID	6.67	0.0995	11841	8.4E-06	7.7E-06	-9	+/- 15	
1,1,1-Trichloroethane	ELCD	6.85	0.0985	1061550	9.3E-08	8.6E-08	-8	+/- 15	
Carbon Tetrachloride	ELCD	7.06	0.102	1404014	7.3E-08	7.1E-08	-2	+/- 15	
1,2-Dichloroethane	ELCD	7.39	0.1	1118374	8.9E-08	8.6E-08	-4	+/- 15	
Trichloroethene	ELCD	8.23	0.0994	1127038	8.8E-08	8.2E-08	-8	+/- 15	
1,1,2-Trichloroethane	FID	11.11	0.1	29167	3.4E-06	3.4E-06	-1	+/- 15	
Tetrachloroethene	ELCD	10.93	0.1	1478475	6.8E-08	5.7E-08	-19	+/- 15	
1112 tetrachloroethane	ELCD	12.51	0.0994	1154401	8.6E-08	8.2E-08	-5	+/- 15	
1122 tetrachloroethane	ELCD	14.72	0.102	1092736	9.3E-08	9E-08	-4	+/- 15	
1,1-Dichloroethene + F113	ELCD	3.97	0.2034	1671179	1.2E-07	1.1E-07	-11	+/- 15	
1,1-Dichloroethene	FID	3.92	0.1	183367	5.5E-07	4.1E-07	-33	+/- 15	Use Hall & FID data to confirm and report concentrations
1,1-Dichloroethene + DCM	FID	5.05	0.1985	40595	4.9E-06	4.9E-06	0	+/- 15	
Benzene	PID	7.3	0.104	529534	2E-07	1.6E-07	23	+/- 15	See FID data
Benzene	FID	8.51	0.104	149812	6.9E-07	6.6E-07	-5	+/- 15	
Toluene	FID	10.06	0.104	149931	6.9E-07	6.6E-07	-5	+/- 15	
Ethyl Benzene	PID	12.52	0.102	440587	2.3E-07	1.8E-07	29	+/- 15	See FID data
Ethyl Benzene +1122PCA	FID	13.99	0.204	149339	1.4E-06	1.3E-06	-5	+/- 15	
m/p-Xylene	PID	12.73	0.207	1122557	1.8E-07	1.7E-07	-8	+/- 15	
o-Xylene	FID	14.83	0.102	176798	5.8E-07	5.9E-07	2	+/- 15	
1,1,2-Trichlorotrifluoroethane	FID	5.42	0.0996	16028	6.2E-06	5.9E-06	-5	+/- 25	

Shaded data exceeded control limits.

BGPAA 0512

Prel ary

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\L1265.079
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 22, 1995 06:57:41
Printed : Dec 22, 1995 07:15:05
User : PAS

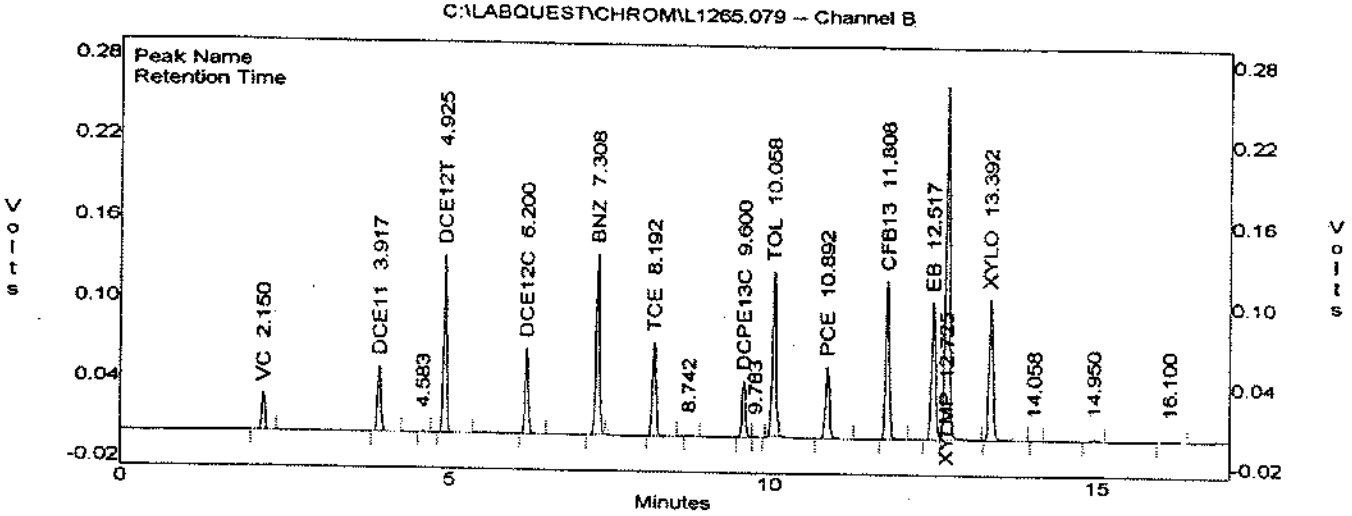


Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.283	17562	0.000	0
2	FR12	1.708	792843	0.111	0
3	VC	2.192	862955	0.124	0
4	CLET	2.875	839830	0.132	0
5	FR11	3.250	1116955	0.102	0
6	DCE11+FR113	3.967	1671179	0.231	0
7	DCM	4.625	925563	0.099	0
8	DCE12T	4.958	1037615	0.109	0
9	DCA11	5.500	964764	0.093	0
10	DCE12C	6.242	912570	0.101	0
11	CLFM	6.675	973614	0.084	0
12	TCA111	6.850	1061550	0.102	0
13	CBTC	7.058	1404014	0.115	0
14	DCA12	7.400	1118374	0.110	0
15	TCE	8.233	1127038	0.107	0
16	DCPE13C	9.642	1156557	0.977	0
17	TCA112	10.775	780772	~~0.043~~ Del FID PS	0
18	PCE	10.933	1478475	0.097	0
19	CFB13	11.842	557808	0.977	0
20	PCA1112	12.508	1154401	0.107	0
21	PCA1122	14.717	1092736	0.110	0
22		15.683	26057	0.000	0
Totals :			21073242	3.932	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID

File : C:\LABQUEST\CHROM\L1265.079
Method : C:\LABQUEST\METHODS\L1265_2.MET
Sample ID : 1000UL CAL9517 (LCS
Acquired : Dec 22, 1995 06:57:41
Printed : Dec 22, 1995 07:15:10
User : PAS



Channel B Results

peak	Compound	RT	area	Conc(ug/l)	Rf
1	VC	2.150	98981	0.100	0
2	DCE11	3.917	183387	0.064	0
3		4.583	3685	0.000	0
4	DCE12T	4.925	439128	0.074	0
5	DCE12C	6.200	229096	0.069	0
6	BNZ	7.308	529534	0.080	0
7	TCE	8.192	275177	0.073	0
8		8.742	4237	0.000	0
9	DCPE13C	9.600	162339	0.022	0
10		9.783	1537	0.000	0
11	TOL	10.058	486461	0.088	0
12	PCE	10.892	226012	0.073	0
13	CFB13	11.808	481791	0.816	0
14	EB	12.517	440587	0.078	0
15	XYLMP	12.725	1122557	0.192	0
16	XYLO	13.392	451738	0.079	0
17		14.058	806	0.000	0
18		14.950	9829	0.000	0
19		16.100	6420	0.000	0

Totals :

	5153310	2.608

95-36-1101

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Gov

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

April 5, 1996

Mr. Dan Feger
Burbank-Glendale-Pasadena Airport Authority
2627 Hollywood Way
Burbank, CA 91505

NO FURTHER REQUIREMENTS/SUPPLEMENTAL SOIL GAS INVESTIGATION REPORT (File No. 104.1685)

We are in receipt of the "Supplemental Soil Vapor Surveys, Six Sites, Burbank-Glendale-Pasadena Airport, Burbank, California" report, dated January 1996, prepared by Fugro West, Inc. This report is in general accordance with requirements in our letter of October 25, 1995, to evaluate six areas (i.e., Old Trapper's property, former American Drug and Chemical, former paint storage area, former Bo Jamison Company wash rack, former Civil Air Patrol fire pit and former bunker simulated gasoline fire pit) within the limits of the Burbank Airport.

During this subsurface investigation, soil vapor samples were collected from depths of 5' and 15' below ground surface (bgs) at 38 probe locations at the six sites noted above. Seven VOCs (i.e, carbon tetrachloride, 1,1,1-TCA, TCE, PCE, toluene, ethylbenzene, xylenes) were detected in these soil gas samples. The highest VOC concentration detected was 11 ug/L 1,1,1-TCA

Results of this supplemental assessment work and previous subsurface investigations indicate that the minor soil contamination identified at the subject sites is below soil screening levels noted in our guidebook (Interim Site Assessment & Cleanup Guidebook, March 1996) and not a substantial threat to ground water quality. Therefore, no additional assessment or cleanup is necessary.

The jurisdictional requirements of other agencies, such as the U.S. Environmental Protection Agency, are not affected by the Board's "no further requirements" decision. Such agencies may choose to make their own determinations regarding the site.

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