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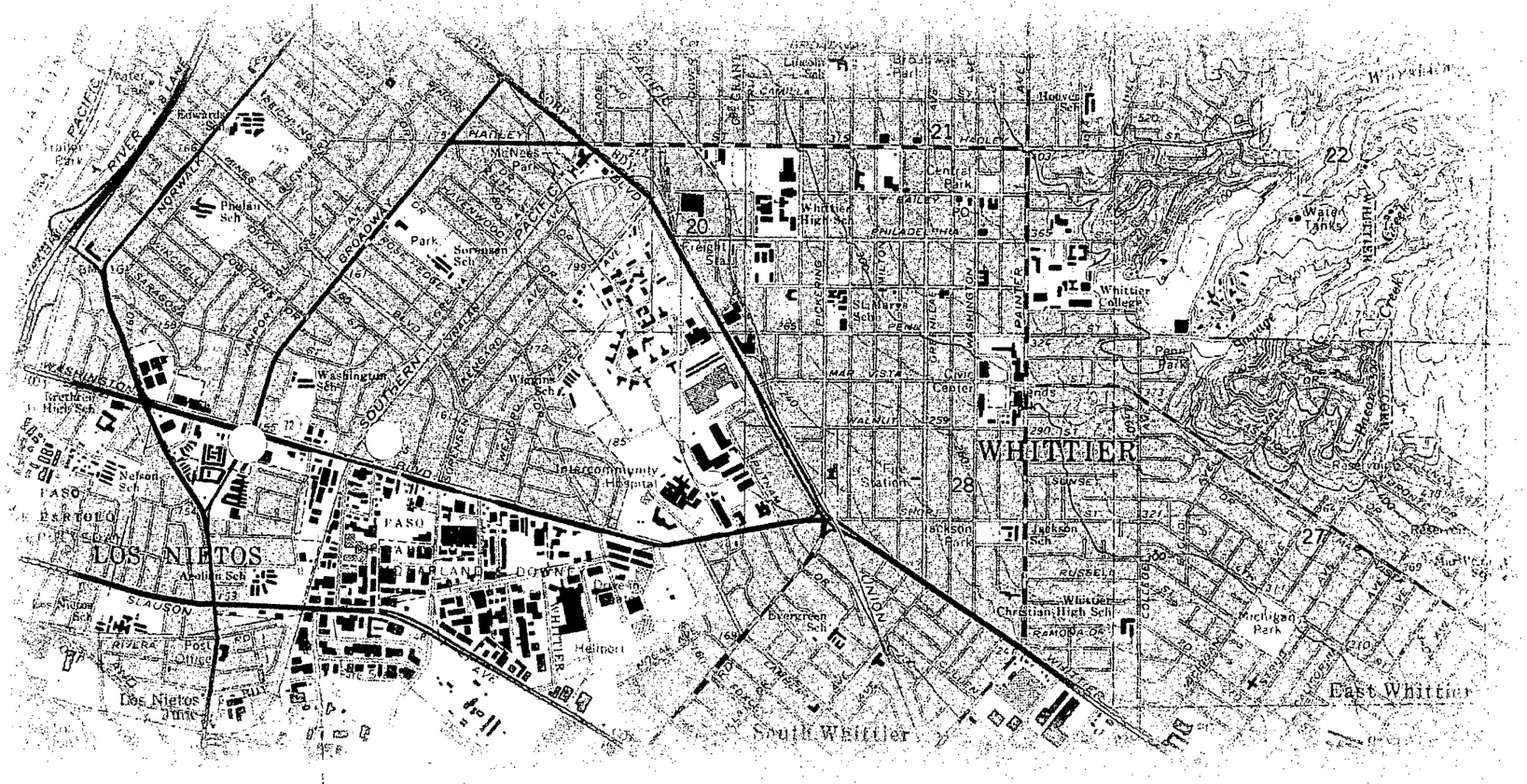

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PHASE II CLOSE OUT REPORT

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Whittier, California
Project No. 399-A/445.2

VOLUME 2 OF 2

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Analytical Data for Soil Vapor Sampling
(HydroGeoChem Report)

SOIL GAS SURVEY
AT THE OMEGA CHEMICAL SITE
WHITTIER, CALIFORNIA

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HYDRO GEO CHEM, INC.
SOIL GAS DOCUMENT REVIEW SHEET

Project Code: L1231

Client: England & Associates

Date performed: November 14-17, 1995

Analysis Performed by: David Feng by Harold Bentley Date: January 10, 1996
David Feng, Chemist, PhD
Hydro Geo Chem, Inc.

Report Prepared by: Harold W. Bentley Date: January 10, 1996
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HGC Approval: Date: Harold W. Bentley Date: January 10, 1996
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INTRODUCTION

This report presents the methods and results of analysis of soil gas samples collected in accordance with the Phase II work plan provided by Omega Chemical Site Organized PRP Group., Whittier, California The work was performed by Hydro Geo Chem (HGC) under contract to England and Associates (England) and to meet requirements of England & Associates, Irvine, and Hargis & Associates, La Jolla. The investigation was conducted following the guidelines and methodologies of the California Regional Water Quality Board-Los Angeles Region (CRWQCB) Well Investigation Program (June, 1994).

The investigation site, Omega Chemical is located at 12504 and 12512 East Whittier Boulevard. In Whittier, California. Previously collected soil and ground water samples beneath the property indicated presence of purgeable organic compounds.

BACKGROUND

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, 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. The organic contamination of the subsurface, its movement and, possibly, the contamination of groundwater can be detected by measuring the concentration of volatile organics in the soil gas.

Whatever the source of the VOC in soil gas, the soil gas concentration is representative of soils contamination at the point of measurement. Volatile organic contaminants are distributed in the gas phase in unsaturated pore spaces, in the water contained in the unsaturated soils, and on the surface of soil particles that adsorb VOC. 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. Important soil parameters include the soil's natural and anthropogenic organic content, soil moisture, porosity, and bulk density.

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 either measurements or reasonable estimates of relevant soil parameters, soil-gas data can be used to determine the extent of soil contamination. Because soil gas samples are collected in-situ and are not subject to VOC losses during proper handling (not the case with soil samples), the estimates of soil contamination obtained using soil gas data are often more reliable than those obtained from sampling and analysis of soil samples.

SCOPE OF WORK

A total of 50 gas samples were collected and analyzed during the investigation. These samples included soil gas samples taken at 25 locations collected at 6 and 12 feet depths, a duplicate for quality assurance, and 3 blanks (equipment, field, and trip) used for quality assurance purposes. Sampling and analysis were conducted on November 14-17, 1995.

Samples were analyzed for the volatile organic compounds specified by England. These compounds were target compounds required by the California Regional Water Quality Control Board, Los Angeles Region, under their WIP Program and are listed in Table 1. The analyses were performed by gas chromatographic techniques.

TABLE 1. LIST OF TARGET COMPOUNDS

carbon tetrachloride	1,1,2- trichloroethane
chloroethane	trichloroethene (TCE)
chloroform	vinyl chloride
1,1-dichloroethane	benzene
1,2-dichloroethane	toluene
1,1-dichloroethene	ethylbenzene
cis-1,2-dichloroethene	o-xylene
trans-1,2-dichloroethene	m-, p-xylenes
dichloromethane (methylene chloride)	trichlorofluoromethane (Freon 11)
tetrachloroethene (PCE)	dichlorodifluoromethane (Freon 12)
1,1,1-trichloroethane (1,1,1-TCA)	1,1,2-trichloro-trifluoroethane (Freon 113)

SAMPLING

Push-Probe Sampling Equipment

Probes consisted of 1 3/8" OD, nickel plated EW drill rod tipped by a hardened-steel disposable point loosely held in a point holder. The point holder is flanged to accept a Dart® O-ring sampler, (the Dart® is a proprietary sampler utilized by Hydro Geo Chem to collect soil gas or groundwater). At each location a probe was driven to the target depth using a truck-mounted hydraulically-actuated drive point rig. After being advanced to target depth, the probe was pulled up 6 inches to expose the sampling interval. Depths of soil gas samples are listed on Table 2.

Soil-gas Sampling Procedures

To collect soil gas samples, a Dart® Sampler was lowered down the probe by 1/4-inch polyethylene tubing and mated with the Dart® O-ring flange on the drive point. At the surface, the polyethylene tubing was attached to a stainless steel septum fitting. Another length of tubing joined the septum fitting to a Geoprobe Vacuum/Volume apparatus, an eleven-liter tank equipped with a gauge calibrated in both liters and inches of mercury. The vacuum/volume tank was evacuated with a diaphragm pump and the tank vacuum was noted. A valve between the tank and the septum fitting was then opened to allow vapor to flow from the probe into the tank. Three times the dead volume of the sampling train was purged to ensure that a representative soil gas sample would be collected. 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. The samples were collected and carried to the laboratory in 10 mL Teflon/glass gas-tight syringes (Dynatech) equipped with built-in Mininert valves. Duplicate samples were taken at each sampling point.

Chain of Custody Procedures

Chain of custody procedures were observed. As each sample was taken, a Field Data Sheet, which also served as a Chain-of-Custody Form, was filled out and signed by Hydro Geo Chem's Field Sampler, and the samples were delivered to the on-site mobile laboratory. The mobile laboratory chemist received the samples, signed the Field Data Sheet, and proceeded to analyze the samples. The Chain of Custody/Field Data Sheets used for this survey are found in Appendix A. which includes all Chromatograms and Field Data Sheets.

Decontamination Procedures

All parts of the collection system that contact a sample were decontaminated before each use. The septum-equipped stainless steel "tee" fittings that connect to the 1/4-inch OD polyethylene tubing used for gas sample collection were washed with Alconox, then distilled water, and dried for one hour or more at 120° C in a convection oven.. Polyethylene tubing was taken from a roll of virgin tubing; lengths were not reused. The barrels and plungers of sampling syringes were rinsed with Alconox and distilled water and dried in a Hydro Geo Chem-designed syringe cleaner using a 50° C Ultra High Purity (UHP) nitrogen stream

ANALYSIS

Sample Injection Procedures

Samples were analyzed by gas chromatography. Gas samples for VOC analysis were injected by syringe into a selected precision-volume loop of Hydro Geo Chem's computerized AutoVOC® automatic sampler. The AutoVOC® contains a number of loops that hold the gas samples for selection by the computer and injection into the system. Surrogate gas standards were injected at the same time as injection of the gas samples..

VOC Sample Analysis

Each sample injection is intended to provide three analyses. When first introduced to the gas chromatograph the sample was split and conducted to two megabore capillary columns that were connected in parallel. The primary analysis column was a J&W DB-624 serially connected to photoionization (PID) and electrolytic conductivity (HALL) detectors. The second column, a J&W Scientific DB-1, which led to a flame ionization (FID) detector, provided an additional analysis. Because the DB-624 and DB-1 columns are different in polarity, the FID chromatogram is different from that obtained from the HALL-PID, thus allowing a confirmatory check of both the identification and concentration of compounds found in the sample. The method that best characterizes the HALL/PID analysis is EPA Method 8010/8020; the method that best characterizes the FID analysis is modified EPA 8015. The choice of which detector to use as the primary or secondary detector is made by the field chemist.

Analytical Equipment

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

Varian 3400 Gas Chromatograph
Tracor Model 1000 Hall Detector
Tracor 703 PID Detector
Tremetrics LabQuest® Data System
J.W. Scientific DB 624, 30m Megabore column
J.W. Scientific DB-1, 30m Megabore column
Varian Flame Ionization (FID) Detector
Hydro Geo Chem AutoVOC® Gas Autosampler

Reporting of Analytical Results

Analytical results for the VOCs are reported in µg/L and, if greater than 1 µg/L, to two significant figures. The reportable detection limits for the soil gas compounds were 1.0 µg/L for each of the compounds listed in Table 1. Analytical results less than their reporting limit of 1 µg/L are reported as "< 1 µg/L",

Soil gas concentrations can also be reported in parts per million by volume (ppmV). Should the reader wish to convert soil gas concentrations from µg/L (gas) to ppmV, the conversion 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 = constituent's 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 $C_{\mu g/L}$.

RESULTS

Table 2 summarizes the analyses for each of the samples taken during the soil gas investigation. The samples ranged in concentration from non-detect for all VOCs to very high levels of a number of chlorinated VOCs. The highest concentrations were Freon 113 and Freon 11, both of which were found at levels exceeding 100,000 µg/L. For concentrations exceeding 750 µg/L, HGC reduces the amount of sample by a factor of 100 by substituting a 10 µL precision-volume loop for the normally used 1.0 mL loop. Thus the gas concentrations reported in Table 2 are accurate to approximately 75,000 µg/L. Above that number, the values must be regarded as non-quantitative because they lie above the linear range of the instrument. The use of the higher concentration data to establish relative concentrations is a valid approach, however.

QUALITY ASSURANCE/QUALITY CONTROL

Sampling and analysis of VOCs were conducted in accordance with the guidelines set forth in the CRWQCB's "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

weighed and 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 an evacuated, 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 ± 1.0% using a precision pressure gauge. Gas surrogate standards were prepared in the same manner as the calibration standard.

Calibration Procedures

The calibration data include initial calibration curves, daily mid-point calibrations on days that an initial calibration curve is not obtained, and a verification of the calibration(s) with an independently prepared Laboratory Check Standard (LCS). Soil gas VOC calibration data are reported in Table 3.

Initial Calibration

A calibration curve of at least three points must be run 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 previously obtained limits.

An initial calibration curve was generated at the beginning of the project day. This calibrations covered a range of 0.005-0.50 µg. In terms of concentration, using a one-mL soil gas injection, this mass range is equivalent to 5-500 µg/L. Smaller precise-volume injections can be used, if necessary, to increase the range to 50,000 µg/L. To conduct the calibration, the vapor phase standards were injected into appropriate precise-volume sample loops. For

analysis, the loop contents were injected into the gas chromatograph by a computer-actuated switching valve. The masses injected and resultant chromatographic area were used to calculate the compound-specific response (response function) of the instrument. The response function (RF) used by the LabQuest data integration program is

RF = Mass of compound/Peak Area

The CRWQCB-approved criterion for determining the acceptability of the initial calibration curves is a percentage relative standard deviation (%RSD) of no more than 20% for all compounds. Some compounds, including Freons 11,12, and 113; chloroethane, and vinyl chloride, have a more relaxed criterion of a %RSD within 70% to 130%. The calibration used for this project to determine analytical concentrations met the CRWQCB criteria.

Midpoint Calibration Checks

Midpoint calibration checks were performed on November 16 and 17, the latter two days of the project. At 18.8%, one compound, carbon tetrachloride fell outside the CRWQCB criterion of 15% on November 16. The midpoint calibration data are included in Table 3.

The LCS Check of the Calibration Standard

After either a initial calibration curve or midpoint calibration check is run, a Laboratory Control Standard (LCS) must also be run. The purpose of this LCS check is to verify concentrations of the standard used to obtain the calibration. It is important to note that verification of the standard's concentrations is the only purpose of this exercise. The issues of sensitivity or precision of sample analyses will have been dealt with by initial calibration. The CRWQCB guidelines are that the response functions of this LCS be within 15% of those obtained from the initial or daily midpoint calibration. Freons 11,12, and 113; chloroethane, and vinyl chloride must be within 25% of their original value. The LCS data are found in Table 4. On each day one compound did not meet the CRWQCB criteria.

Analysis of the LCS as the Last GC Test Run Per Day of Analysis

As is discussed in the next section, Hydro Geo Chem does not perform an LCS run at the end of the day because our procedures include the quantitative use of surrogates to evaluate every analysis, and the CRWQCB has accepted this use of surrogates in lieu of the end-of-the-day LCS check.

Surrogates

Gas 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 gas surrogates were cis-1,3-dichloropropene and 2-chlorofluorobenzene, the latter used only to check retention time.

Gas surrogates were injected into a precision-volume 500 microliter sample loop, then, by computerized switching of the valve, simultaneously injected with the sample into the gas chromatograph. Thus 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 superior to) the use of an LCS check at the end of the sampling day by CRWQCB (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 normally 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% (or 30% for the light gases) of the end-of-the-day LCS from the expected response function means that all previous data collected that day are suspect, a situation that can compromise all the results obtained in a working day.

Gas surrogate results are reported as percent recovery in Table 2. In cases where a surrogate recovery falls outside the 100 ± 20% limit it is permissible to use an alternate detector to report results, provided the surrogate on that detector meets the recovery criterion. The

surrogate data are included with each of the analyses reported in Table 2. The surrogate recovery data on the Hall detector occasionally failed to attain the CRWQCB criteria. The problem was felt to be the very high levels of Freons found in a number of samples. Freons are known to impact the catalytic surface of the reaction tube. The analysis was proceeded with the option of using alternative detectors to quantify VOC levels.

Duplicates

Samples analyzed in duplicate are identified by a sample name followed -DUP. Table 2 summarizes the data.

Blanks

The system blank was analyzed by injecting a 1-mL aliquot of UHP nitrogen into the AutoVOC®. An analysis showing the system blank to be VOC-free demonstrates that the analytical system is not contaminated. System blanks are designated in the chromatograms and analytical data tables by the prefix SB followed by the date of analysis. Samples of the field blanks (a prefix of FB), ambient atmosphere (prefix of AMB),or trip blank (prefix of TB) serve equally well as system blanks if the analysis detects no VOCs. The blanks, included with the sample analyses reported in Table 2, showed no detectable levels of any of the target VOCs.

TABLE 2. SOIL GAS DATA

England & Associates
Omega Chemicals
Whittier, California

SUMMARY OF SOIL GAS DATA

Sample ID:			SB951114AM	FB14NOV95	AMB-1	SG8-6	SG8-6B	SG8-6C	SG8-12	SG8-12R	SG15-6	SG15-12
Date Collected:			NA	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95
Time Collected:			NA	09:10	11:10	11:41	11:53	12:00	13:06	13:06	13:51	14:05
Date Analyzed:			14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95
Time Analyzed:			08:09	11:03	11:27	11:55	12:19	12:44	13:12	12:36	14:00	14:25
Volume Analyzed (mL):			1	1	1	1	1	1	1	0.01	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Trichlorofluoromethane	ELCD	3.58	<1	<1	<1	<1	<1	<1	210	<100	<1	<1
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1	<1	3.4	<100	<1	<1
1,1-Dichloroethane	ELCD	6.08	<1	<1	<1	<1	<1	<1	10	<100	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Chloroform	ELCD	7.43	<1	<1	<1	<1	<1	<1	1.7	<100	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	<1	<1	<1	<1	<1	<1	140	<100	<1	<1
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Trichloroethene	ELCD	9.34	<1	<1	<1	<1	<1	<1	7.4	<100	<1	<1
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Tetrachloroethene	ELCD	12.80	<1	<1	<1	<1	<1	<1	46	<100	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
1,1-Dichloroethene	PID	4.27	<1	<1	<1	<1	<1	<1	140	<100	<1	<1
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<100	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	<1	<1	<1	<1	<1	<1	920	800	<1	<1
Hall Surrogate Recovery (DCPE13C)		10.95	NA	105	97	100	103	102	108	106	103	104
Hall Surrogate Recovery (CFB13)		13.86	NA	95	84	76	80	81	87	85	76	78
PID Surrogate Recovery (DCPE13C)		10.87	NA	105	105	107	105	104	105	102	103	104
PID Surrogate Recovery (CFB13)		13.77	NA	106	107	108	107	106	105	105	105	105
FID Surrogate Recovery (DCPE13C)		7.60	NA	107	106	108	108	108	111	108	108	109
FID Surrogate Recovery (CFB13)		10.43	NA	107	107	110	110	109	109	108	109	109

TABLE 2. SOIL GAS DATA

England & Associates
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SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG16-6	SG24-6	SG24-12	SG17-6	SG17-12	SG9-6	SG16-12	SG9-12	SG9-12D	TB14NOV95
Date Collected:			14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95
Time Collected:			14:26	15:00	15:21	15:43	15:55	16:25	14:39	16:40	16:40	NA
Date Analyzed:			14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95	14NOV95
Time Analyzed:			14:49	15:14	15:38	16:02	16:26	16:46	17:19	17:48	18:12	NA
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	12	4.7	5.5	24	20	14	14	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	1000	550	570	980	830	820	880	750	770	<1
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	14	<1	<1	<1	4.2	12	2.5	8.1	6.8	<1
1,1-Dichloroethane	ELCD	6.08	11	<1	<1	4.2	1.2	98	<1	80	82	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	6.4	1.3	1.2	4.2	3.7	24	5.2	24	28	<1
1,1,1-Trichloroethane	ELCD	7.65	39	7	6	50	54	1700	32	1500	1600	<1
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	1	<1	<1	<1	<1	44	<1	51	57	<1
Trichloroethene	ELCD	9.34	44	28	27	41	43	85	50	100	105	<1
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	90	52	51	130	140	750	100	770	840	<1
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	400	120	120	370	360	790	320	750	850	<1
Benzene	PID	8.17	<1	<1	<1	<1	<1	2.2	<1	2.2	2.7	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	1.6	<1	1.1	1.3	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	9000	7200	6800	7500	6500	5100	7300	4600	5100	<1
Hall Surrogate Recovery (DCPE13C)		10.95	103	103	104	106	100	100	103	99	97	98
Hall Surrogate Recovery (CFB13)		13.86	73	66	82	81	89	98	88	100	93	76
PID Surrogate Recovery (DCPE13C)		10.87	103	102	102	101	100	100	99	100	104	104
PID Surrogate Recovery (CFB13)		13.77	103	103	102	102	101	100	99	101	104	107
FID Surrogate Recovery (DCPE13C)		7.60	114	110	110	116	116	165	113	146	159	111
FID Surrogate Recovery (CFB13)		10.43	108	108	108	108	107	106	105	107	111	112

TABLE 2. SOIL GAS DATA

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SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SB951115AM	FB15NOV95	SG7-6	SG7-12	SG6-6	SG6-12	SG5-6	SG5-12	SG4-6	SG4-12
Date Collected:			15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95
Time Collected:			07:47	08:35	09:22	09:37	10:00	10:15	10:35	11:00	11:25	11:43
Date Analyzed:			15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95	15NOV95
Time Analyzed:			07:47	08:41	09:26	09:50	10:14	10:34	10:59	11:23	11:47	12:12
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	<1	<1	190	340	77	140	210	270	210	260
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1	<1	<1	<1	67	50
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1	<1	11	11	21	13
1,1-Dichloroethane	ELCD	6.08	<1	<1	2.6	5.1	6	9.3	26	33	26	21
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	<1	3.2	7.3	4.7	9.9	28	29	14	22
1,1,1-Trichloroethane	ELCD	7.65	<1	<1	93	140	240	340	1600	1600	1500	1500
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	79	69	56	29
Trichloroethene	ELCD	9.34	<1	<1	13	19	15	19	120	97	74	71
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	<1	<1	79	110	300	260	690	630	1300	1400
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	<1	<1	190	380	130	290	320	410	230	330
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	1.4	1.7	1.4	1.6
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.6
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	1.1	<1	<1	2.1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	1.3	4.9
1,1,2-Trichlorotrifluoroethane	FID	3.48	<1	<1	870	1800	560	1300	3700	4400	4300	6500
Hall Surrogate Recovery (DCPE13C)		10.95	93	95	89	82	70	62	100	92	86	66
Hall Surrogate Recovery (CFB13)		13.86	127	36	45	45	39	30	59	53	66	51
PID Surrogate Recovery (DCPE13C)		10.87	95	93	92	93	94	95	94	96	96	95
PID Surrogate Recovery (CFB13)		13.77	98	94	93	94	95	96	95	97	98	96
FID Surrogate Recovery (DCPE13C)		7.60	108	106	108	109	112	115	142	147	156	174
FID Surrogate Recovery (CFB13)		10.43	109	104	105	105	108	109	107	110	110	108

TABLE 2. SOIL GAS DATA

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SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG25-6	SG25-12	SG10-6	SG10-6R	SB951116AM	FB16NOV95	SG14-6	SG14-12	SG3-12	SG2-12
Date Collected:			15NOV95	15NOV95	15NOV95	15NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Collected:			12:20	12:33	13:15	13:15	07:32	08:30	08:55	09:13	09:44	10:18
Date Analyzed:			15NOV95	15NOV95	15NOV95	15NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Analyzed:			12:36	13:00	13:25	13:49	07:32	08:55	09:19	09:43	10:07	10:31
Volume Analyzed (mL):			1	1	1	0.01	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	3500	43000	<1	<1	<1	5.5	24	24
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	<1	<1	3700	220000	<1	<1	8.3	1500	90	260
Dichloromethane	ELCD	3.29	<1	<1	<1	135000	<1	<1	<1	<1	1.9	59
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	100	9300	<1	<1	<1	9.9	3.9	3.5
1,1-Dichloroethane	ELCD	6.08	<1	<1	320	2600	<1	<1	<1	13	1.9	34
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<100	<1	<1	<1	<1	<1	7.3
Chloroform	ELCD	7.43	<1	<1	680	900	<1	<1	<1	6	8.1	16
1,1,1-Trichloroethane	ELCD	7.65	3.1	<1	off limit	89000	<1	<1	4	250	110	350
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	810	4900	<1	<1	<1	1.5	2.5	6.2
Trichloroethene	ELCD	9.34	<1	<1	1900	3200	<1	<1	1.3	62	14	39
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	5.3	1.6	2100	720	<1	<1	16	360	3100	350
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	<1	<1	1200	4200	<1	<1	3.1	460	11	49
Benzene	PID	8.17	<1	<1	26	<100	<1	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	270	150	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	4.9	<100	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	15	<100	<1	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	3	<100	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	<1	<1	off limit	840000	<1	<1	30	4800	390	720
Hall Surrogate Recovery (DCPE13C)		10.95	88	83	68	53	73	84	74	61	95	81
Hall Surrogate Recovery (CFB13)		13.86	62	34	249	313	17	52	46	40	62	27
PID Surrogate Recovery (DCPE13C)		10.87	93	92	98	95	91	92	92	92	93	93
PID Surrogate Recovery (CFB13)		13.77	94	93	94	96	91	92	92	92	94	93
FID Surrogate Recovery (DCPE13C)		7.60	109	109	598	115	99	103	102	111	104	106
FID Surrogate Recovery (CFB13)		10.43	108	108	112	111	95	98	99	99	101	102

TABLE 2. SOIL GAS DATA

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Whittier, California

SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG1-6	SG1-12	SG12-6	SG12-12	SG13-12	SG11-6	SG11-12	SG11-12D	SG20-12	SG20-12D
Date Collected:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Collected:			10:442	10:53	11:24	11:41	12:10	12:38	12:51	12:51	13:25	13:25
Date Analyzed:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Analyzed:			10:55	11:19	11:43	12:07	12:33	12:58	13:22	14:37	13:47	14:12
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	9.1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	<1	<1	2.8	410	440	1000	2100	2100	<1	210
Dichloromethane	ELCD	3.29	<1	<1	1.1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1	4.7	11	<1	<1	<1
1,1-Dichloroethane	ELCD	6.08	<1	<1	<1	1.2	12	8.3	17	9.3	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	<1	<1	<1	18	10	9.6	9.3	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	<1	<1	<1	33	170	510	850	760	2.1	13
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	9.34	<1	<1	2.4	2.1	23	43	71	59	<1	2.5
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	<1	<1	<1	15	160	920	1000	740	<1	11
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	<1	<1	<1	95	270	310	480	430	4.4	113
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	<1	<1	7	1300	2500	3100	6000	5700	15	1500
Hall Surrogate Recovery (DCPE13C)		10.95	59	93	74	62	94	75	63	54	88	65
Hall Surrogate Recovery (CFB13)		13.86	85	49	48	37	18	14	15	14	27	9
PID Surrogate Recovery (DCPE13C)		10.87	94	94	95	96	99	98	99	94	94	96
PID Surrogate Recovery (CFB13)		13.77	94	95	96	98	101	101	103	96	102	98
FID Surrogate Recovery (DCPE13C)		7.60	107	106	107	109	114	119	128	122	110	106
FID Surrogate Recovery (CFB13)		10.43	103	104	105	108	111	111	114	106	112	108

TABLE 2. SOIL GAS DATA

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Whittier, California

SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG19-6	SG19-12	SG18-12	SG23-12	SG22-6	SG21-6	SG21-12	SG30-6	SG30-12	SG3-6
Date Collected:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Collected:			14:48	15:00	15:28	16:00	16:22	17:00	17:17	17:40	18:00	09:34
Date Analyzed:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95
Time Analyzed:			15:00	15:24	15:53	16:17	16:42	17:06	17:31	17:56	18:21	18:45
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	700	2000	530	120	770	39	720	210	<1	18
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1	<1	3.3	<1	<1	<1
1,1-Dichloroethane	ELCD	6.08	16	15	<1	<1	3.8	<1	2.6	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	1.5	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	76	180	31	4	46	16	150	<1	<1	58
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	2.9	<1	<1	<1
Trichloroethene	ELCD	9.34	29	60	8.1	3.5	22	9.1	32	2.2	<1	6.1
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	85	130	32	6.5	17	5.9	18	<1	<1	830
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	410	830	160	28	220	120	250	9.2	<1	2.9
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	5200	12000	2500	1400	6500	3400	7900	2300	16	120
Hall Surrogate Recovery (DCPE13C)		10.95	74	56	86	60	48	61	51	77	52	49
Hall Surrogate Recovery (CFB13)		13.86	16	21	32	20	51	36	14	40	37	79
PID Surrogate Recovery (DCPE13C)		10.87	94	92	92	92	91	91	93	93	92	91
PID Surrogate Recovery (CFB13)		13.77	95	93	93	93	91	92	93	94	93	93
FID Surrogate Recovery (DCPE13C)		7.60	107	112	107	107	106	105	109	107	106	106
FID Surrogate Recovery (CFB13)		10.43	105	104	104	104	103	103	106	106	105	106

TABLE 2. SOIL GAS DATA

England & Associates
Omega Chemicals
Whittier, California

SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG3-6D	SG2-6	SG13-6	SG20-6	SG18-6	SG23-6	SG22-12	TB16NOV95	SB951117AM	FB17NOV95
Date Collected:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	17NOV95	17NOV95
Time Collected:			09:34	10:05	11:58	13:10	15:18	15:49	16:34	NA	10:24	10:01
Date Analyzed:			16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	16NOV95	17NOV95	17NOV95	17NOV95	17NOV95
Time Analyzed:			19:09	19:34	19:59	20:23	20:49	21:19	07:40	08:29	10:24	11:13
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	12	200	1100	700	1600	730	50	<1	<1	<1
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	6.08	<1	59	28	9.4	1.3	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	12	1.9	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	17	15	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	58	300	320	45	98	23	8.3	<1	<1	<1
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	9.34	6.5	55	46	18	39	19	14	<1	<1	<1
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	700	570	420	40	220	40	15	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	3.5	67	520	310	460	160	28	<1	<1	<1
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	110	720	5500	3000	7900	7900	740	<1	<1	<1
Hall Surrogate Recovery (DCPE13C)		10.95	68	58	88	64	53	65	52	57	78	52
Hall Surrogate Recovery (CFB13)		13.86	43	30	35	23	19	24	33	31	74	43
PID Surrogate Recovery (DCPE13C)		10.87	91	92	91	91	90	91	77	75	92	93
PID Surrogate Recovery (CFB13)		13.77	94	94	94	93	93	93	79	76	94	96
FID Surrogate Recovery (DCPE13C)		7.60	107	110	122	107	115	109	103	100	105	108
FID Surrogate Recovery (CFB13)		10.43	107	109	108	107	107	108	100	97	105	108

TABLE 2. SOIL GAS DATA

England & Associates
Omega Chemicals
Whittier, California

SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG29-6	SG29-12	SG28-12	SG27-6	SG27-12	SG26-6	SG26-13	SG26-13D	SG28-6	SG16-24
Date Collected:			17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95
Time Collected:			11:44	11:57	12:50	13:12	13:26	13:55	14:15	14:15	12:32	15:40
Date Analyzed:			17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95	17NOV95
Time Analyzed:			11:48	12:31	12:55	13:19	13:43	14:08	14:32	14:56	15:21	15:47
Volume Analyzed (mL):			1	1	1	1	1	1	1	1	1	1
Compound Name	***Detector***	***RT (min)***										
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	51	53	23	<1	24	46	15	12	73	100
Dichloromethane	ELCD	3.29	<1	8.1	<1	<1	10	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	6.08	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	<1	18	<1	<1	21	<1	<1	<1	<1	4
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	9.34	<1	3.8	<1	<1	<1	<1	<1	<1	<1	2.7
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	<1	4.3	<1	<1	<1	4	<1	<1	3.9	4.9
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	6.1	4.9	<1	<1	<1	3.7	<1	1	2.8	23
Benzene	PID	8.17	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	830	640	310	50	63	880	210	205	1700	540
Hall Surrogate Recovery (DCPE13C)		10.95	68	70	50	44	63	48	76	56	48	70
Hall Surrogate Recovery (CFB13)		13.86	52	49	32	26	39	31	45	26	32	43
PID Surrogate Recovery (DCPE13C)		10.87	91	91	90	90	89	88	88	87	86	85
PID Surrogate Recovery (CFB13)		13.77	94	93	93	92	91	90	90	89	88	87
FID Surrogate Recovery (DCPE13C)		7.60	107	107	107	107	108	107	107	109	106	106
FID Surrogate Recovery (CFB13)		10.43	107	107	108	108	108	107	107	108	106	106

TABLE 2. SOIL GAS DATA

England & Associates
Omega Chemicals
Whittier, California

SUMMARY OF SOIL GAS DATA, CONTINUED

Sample ID:			SG31-3.5	SG4-16.7	SG19-24	SG19-24D	TB17NOV95
Date Collected:			17NOV95	17NOV95	17NOV95	17NOV95	17NOV95
Time Collected:			16:05	16:36	17:15	17:15	NA
Date Analyzed:			17NOV95	17NOV95	17NOV95	17NOV95	17NOV95
Time Analyzed:			16:11	16:40	17:16	17:39	11:55
Volume Analyzed (mL):			1	1	1	1	1
Compound Name	***Detector***	***RT (min)***					
Dichlorodifluoromethane	ELCD	1.78	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	2.42	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.35	<1	<1	<1	<1	<1
Trichlorofluoromethane	ELCD	3.58	<1	<1	42	40	<1
Dichloromethane	ELCD	3.29	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	5.48	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	6.08	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	6.93	<1	<1	<1	<1	<1
Chloroform	ELCD	7.43	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	7.65	<1	<1	3.4	3.9	<1
Carbon Tetrachloride	ELCD	7.90	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	8.30	<1	<1	<1	<1	<1
Trichloroethene	ELCD	9.34	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ELCD	12.59	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	12.80	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ELCD	11.03	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	17.94	<1	<1	<1	<1	<1
1,1-Dichloroethene	PID	4.27	<1	<1	13	13	<1
Benzene	PID	8.17	<1	<1	<1	<1	<1
Toluene	PID	11.63	<1	<1	<1	<1	<1
Ethyl Benzene	PID	14.90	<1	<1	<1	<1	<1
m/p-Xylene	PID	11.95	<1	<1	<1	<1	<1
o-Xylene	PID	16.10	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	FID	3.48	<1	<1	270	270	<1
Hall Surrogate Recovery (DCPE13C)		10.95	46	73	100	100	66
Hall Surrogate Recovery (CFB13)		13.86	27	47	76	76	42
PID Surrogate Recovery (DCPE13C)		10.87	84	83	107	107	81
PID Surrogate Recovery (CFB13)		13.77	86	84	108	108	83
FID Surrogate Recovery (DCPE13C)		7.60	105	105	108	108	103
FID Surrogate Recovery (CFB13)		10.43	104	104	110	110	103

HYDRO GE CHEM, INC.

TABLE 3

England & Associates
Omega Chemicals
Whittier, California

Initial Calibration Report (1)

Date Calibrated: November 14, 1995
Calibration Standard: CAL9515

				Level 1 (10uL)			Level 2 (50uL)			Level 3 (200uL)		
Compound Name	***Detector***	***RT (min)***	***Stnd. Conc.*** (ug/ml)	Conc.	Area	RF	Conc.	Area	RF	Conc.	Area	RF
Dichlorodifluoromethane	ELCD	1.78	0.519	0.00519	14204	3.654E-07	0.0260	46643	5.564E-07	0.104	198522	5.229E-07
Vinyl Chloride	ELCD	2.42	0.536	0.00536	20059	2.672E-07	0.0268	95646	2.802E-07	0.107	380991	2.814E-07
Chloroethane	ELCD	2.35	0.554	0.00554	7604	7.286E-07	0.0277	35179	7.874E-07	0.111	150353	7.369E-07
Trichlorofluoromethane	ELCD	3.58	0.521	0.00521	40371	1.291E-07	0.0261	178372	1.460E-07	0.104	746535	1.396E-07
Dichloromethane	ELCD	3.29	0.479	0.00479	17039	2.811E-07	0.0240	80694	2.968E-07	0.096	347787	2.755E-07
trans-1,2-Dichloroethene	ELCD	5.48	0.493	0.00493	22516	2.190E-07	0.0247	110213	2.237E-07	0.099	462038	2.134E-07
1,1-Dichloroethane	ELCD	6.08	0.493	0.00493	29290	1.683E-07	0.0247	131756	1.871E-07	0.099	557085	1.770E-07
cis-1,2-Dichloroethene	ELCD	6.93	0.493	0.00493	22563	2.185E-07	0.0247	97396	2.531E-07	0.099	439286	2.245E-07
Chloroform	ELCD	7.43	0.504	0.00504	35443	1.422E-07	0.0252	158605	1.589E-07	0.101	740802	1.361E-07
1,1,1-Trichloroethane	ELCD	7.65	0.485	0.00485	38216	1.269E-07	0.0243	162587	1.492E-07	0.097	666916	1.454E-07
Carbon Tetrachloride	ELCD	7.90	0.501	0.00501	56174	8.919E-08	0.0251	232733	1.076E-07	0.100	909041	1.102E-07
1,2-Dichloroethane	ELCD	8.30	0.493	0.00493	24903	1.980E-07	0.0247	93853	2.626E-07	0.099	363438	2.713E-07
Trichloroethene	ELCD	9.34	0.512	0.00512	29790	1.719E-07	0.0256	111784	2.290E-07	0.102	498629	2.054E-07
1,1,2-Trichloroethane	ELCD	12.59	0.486	0.00486	27502	1.767E-07	0.0243	107568	2.259E-07	0.097	532955	1.824E-07
Tetrachloroethene	ELCD	12.80	0.485	0.00485	40033	1.212E-07	0.0243	137815	1.760E-07	0.097	586609	1.654E-07
1,1,1,2-Tetrachloroethane	ELCD	11.03	0.493	0.00493	42731	1.154E-07	0.0247	136682	1.803E-07	0.099	615422	1.602E-07
1,1,2,2-Tetrachloroethane	ELCD	17.94	0.509	0.00509	27492	1.851E-07	0.0255	114292	2.227E-07	0.102	568116	1.792E-07
1,1-Dichloroethene	PID	4.27	0.520	0.00520	6925	7.509E-07	0.0260	33487	7.764E-07	0.104	159077	6.538E-07
Benzene	PID	8.17	0.492	0.00492	19693	2.498E-07	0.0246	86223	2.853E-07	0.098	389876	2.524E-07
Toluene	PID	11.63	0.519	0.00519	19128	2.713E-07	0.0260	79794	3.252E-07	0.104	373751	2.777E-07
Ethyl Benzene	PID	14.90	0.494	0.00494	25066	1.971E-07	0.0247	64516	3.829E-07	0.099	314535	3.141E-07
m/p-Xylene	PID	11.95	1.004	0.01004	46300	2.168E-07	0.0502	160487	3.128E-07	0.201	759890	2.642E-07
o-Xylene	PID	16.10	0.503	0.00503	18277	2.752E-07	0.0252	62337	4.035E-07	0.101	308380	3.262E-07
1,1,2-Trichlorotrifluoroethane	FID	3.48	0.494	0.00494	927	5.329E-06	0.0247	4222	5.850E-06	0.099	18039	5.477E-06

Data in shaded area are not used for calibration.

TABLE 3

England & Associates
Omega Chemicals
Whittier, California

Initial Calibration Report (1, continued)

Date Calibrated: November 14, 1995
Calibration Standard: CAL9515

				Level 4 (1mL)					
Compound Name	***Detector***	***RT (min)***	***Stnd. Conc.*** (ug/ml)	**Conc.**	**Area**	**RF**	**Av. RF**	**Stnd. Dev.**	**%RSD**
Dichlorodifluoromethane	ELCD	1.78	0.519	0.519	1109503	4.678E-07	4.781E-07	8.354E-08	17.5
Vinyl Chloride	ELCD	2.42	0.536	0.536	1831555	2.926E-07	2.804E-07	1.041E-08	3.7
Chloroethane	ELCD	2.35	0.554	0.554	811554	6.826E-07	7.339E-07	4.292E-08	5.8
Trichlorofluoromethane	ELCD	3.58	0.521	0.521	3817419	1.365E-07	1.378E-07	7.056E-09	5.1
Dichloromethane	ELCD	3.29	0.479	0.479	1710580	2.800E-07	2.833E-07	9.297E-09	3.3
trans-1,2-Dichloroethene	ELCD	5.48	0.493	0.493	2293730	2.149E-07	2.177E-07	4.589E-09	2.1
1,1-Dichloroethane	ELCD	6.08	0.493	0.493	2834147	1.740E-07	1.766E-07	7.870E-09	4.5
cis-1,2-Dichloroethene	ELCD	6.93	0.493	0.493	2301498	2.142E-07	2.276E-07	1.753E-08	7.7
Chloroform	ELCD	7.43	0.504	0.504	3629044	1.389E-07	1.440E-07	1.023E-08	7.1
1,1,1-Trichloroethane	ELCD	7.65	0.485	0.485	3055672	1.587E-07	1.451E-07	1.333E-08	9.2
Carbon Tetrachloride	ELCD	7.90	0.501	0.501	4487294	1.116E-07	1.047E-07	1.046E-08	10.0
1,2-Dichloroethane	ELCD	8.30	0.493	0.493	1855260	2.657E-07	2.494E-07	3.448E-08	13.8
Trichloroethene	ELCD	9.34	0.512	0.512	2548004	2.009E-07	2.018E-07	2.345E-08	11.6
1,1,2-Trichloroethane	ELCD	12.59	0.486	0.486	2780224	1.748E-07	1.900E-07	2.418E-08	12.7
Tetrachloroethene	ELCD	12.80	0.485	0.485	2610722	1.858E-07	1.621E-07	2.852E-08	17.6
1,1,1,2-Tetrachloroethane	ELCD	11.03	0.493	0.493	3095976	1.592E-07	1.538E-07	2.740E-08	17.8
1,1,2,2-Tetrachloroethane	ELCD	17.94	0.509	0.509	2965400	1.716E-07	1.897E-07	2.269E-08	12.0
1,1-Dichloroethene	PID	4.27	0.520	0.520	887203	5.861E-07	6.918E-07	8.807E-08	12.7
Benzene	PID	8.17	0.492	0.492	2095439	2.348E-07	2.556E-07	2.128E-08	8.3
Toluene	PID	11.63	0.519	0.519	2036185	2.549E-07	2.823E-07	3.019E-08	10.7
Ethyl Benzene	PID	14.90	0.494	0.494	1692566	2.919E-07	3.296E-07	4.743E-08	14.4
m/p-Xylene	PID	11.95	1.004	1.004	4066778	2.469E-07	2.602E-07	4.017E-08	15.4
o-Xylene	PID	16.10	0.503	0.503	1707323	2.946E-07	3.249E-07	5.645E-08	17.4
1,1,2-Trichlorotrifluoroethane	FID	3.48	0.494	0.494	95626	5.166E-06	5.456E-06	2.922E-07	5.4

Data in shaded area are not used for calibration.

England & Associates
Omega Chemicals
Whittier, California

Initial Calibration Report (2)

Date Calibrated: November 15, 1995
Calibration Standard: CAL9515

				Level 1 (10uL)			Level 2 (50uL)			Level 3 (200uL)		
Compound Name	*Detector*	*RT (min)*	*Stnd. Conc.* (ug/ml)	Conc.	Area	RF	Conc.	Area	RF	Conc.	Area	RF
Dichlorodifluoromethane	ELCD	1.78	0.519	0.00519	15375	3.376E-07	0.0260	75127	3.454E-07	0.104	298747	3.475E-07
Vinyl Chloride	ELCD	2.42	0.536	0.00536	ND	NA	0.0268	91706	2.922E-07	0.107	454612	2.358E-07
Chloroethane	ELCD	2.35	0.554	0.00554	17266	3.209E-07	0.0277	83431	3.320E-07	0.111	300772	3.684E-07
Trichlorofluoromethane	ELCD	3.58	0.521	0.00521	16829	3.096E-07	0.0261	176441	1.476E-07	0.104	772029	1.350E-07
Dichloromethane	ELCD	3.29	0.479	0.00479	29741	1.611E-07	0.0240	144944	1.652E-07	0.096	597806	1.603E-07
trans-1,2-Dichloroethene	ELCD	5.48	0.493	0.00493	15898	3.101E-07	0.0247	144053	1.711E-07	0.099	631380	1.562E-07
1,1-Dichloroethane	ELCD	6.08	0.493	0.00493	27851	1.770E-07	0.0247	158736	1.553E-07	0.099	659252	1.496E-07
cis-1,2-Dichloroethene	ELCD	6.93	0.493	0.00493	8982	5.489E-07	0.0247	115022	2.143E-07	0.099	564305	1.747E-07
Chloroform	ELCD	7.43	0.504	0.00504	16130	3.125E-07	0.0252	136219	1.850E-07	0.101	695990	1.448E-07
1,1,1-Trichloroethane	ELCD	7.65	0.485	0.00485	21562	2.249E-07	0.0243	160799	1.508E-07	0.097	710819	1.365E-07
Carbon Tetrachloride	ELCD	7.90	0.501	0.00501	37889	1.322E-07	0.0251	226628	1.105E-07	0.100	915545	1.094E-07
1,2-Dichloroethane	FID	8.30	0.493	0.00493	1909	2.583E-06	0.0247	8430	2.924E-06	0.099	37338	2.641E-06
Trichloroethene	ELCD	9.34	0.512	0.00512	22916	2.234E-07	0.0256	168634	1.518E-07	0.102	800345	1.279E-07
1,1,2-Trichloroethane	FID	12.59	0.486	0.00486	1686	2.883E-06	0.0243	6344	3.830E-06	0.097	28090	3.460E-06
Tetrachloroethene	ELCD	12.80	0.485	0.00485	70126	6.916E-08	0.0243	239254	1.014E-07	0.097	893460	1.086E-07
1,1,1,2-Tetrachloroethane	ELCD	11.03	0.493	0.00493	32448	1.519E-07	0.0247	171088	1.441E-07	0.099	753046	1.309E-07
1,1,2,2-Tetrachloroethane	ELCD	17.94	0.509	0.00509	21010	2.423E-07	0.0255	136416	1.866E-07	0.102	686333	1.483E-07
1,1-Dichloroethene	PID	4.27	0.520	0.00520	7041	7.385E-07	0.0260	33370	7.791E-07	0.104	157803	6.590E-07
Benzene	PID	8.17	0.492	0.00492	19862	2.477E-07	0.0246	87236	2.820E-07	0.098	390989	2.517E-07
Toluene	PID	11.63	0.519	0.00519	18883	2.749E-07	0.0260	81548	3.182E-07	0.104	376275	2.759E-07
Ethyl Benzene	PID	14.90	0.494	0.00494	21238	2.326E-07	0.0247	68303	3.616E-07	0.099	319146	3.096E-07
m/p-Xylene	PID	11.95	1.004	0.01004	43959	2.284E-07	0.0502	171853	2.921E-07	0.201	775512	2.589E-07
o-Xylene	PID	16.10	0.503	0.00503	15507	3.244E-07	0.0252	66623	3.775E-07	0.101	314080	3.203E-07
1,1,2-Trichlorotrifluoroethane	FID	3.48	0.494	0.00494	913	5.411E-06	0.0247	4147	5.956E-06	0.099	18514	5.337E-06

England & Associates
Omega Chemicals
Whittier, California

Initial Calibration Report (continued)

Date Calibrated: November 15, 1995
Calibration Standard: CAL9515

Compound Name	*Detector*	*RT (min)*	*Stnd. Conc.* (ug/ml)	Level 4 (1mL) Conc.	Area	RF	Av. RF	Stnd. Dev.	%RSD
Dichlorodifluoromethane	ELCD	1.78	0.519	0.519	1506876	3.444E-07	3.437E-07	4.290E-09	1.2
Vinyl Chloride	ELCD	2.42	0.536	0.536	2368860	2.263E-07	2.514E-07	3.565E-08	14.2
Chloroethane	ELCD	2.35	0.554	0.554	1302419	4.254E-07	3.617E-07	4.707E-08	13.0
Trichlorofluoromethane	ELCD	3.58	0.521	0.521	3769437	1.382E-07	1.403E-07	6.582E-09	4.7
Dichloromethane	ELCD	3.29	0.479	0.479	2735057	1.751E-07	1.654E-07	6.834E-09	4.1
trans-1,2-Dichloroethene	ELCD	5.48	0.493	0.493	2991073	1.648E-07	1.640E-07	7.507E-09	4.6
1,1-Dichloroethane	ELCD	6.08	0.493	0.493	3092499	1.594E-07	1.603E-07	1.184E-08	7.4
cis-1,2-Dichloroethene	ELCD	6.93	0.493	0.493	2872670	1.716E-07	1.869E-07	2.380E-08	12.7
Chloroform	ELCD	7.43	0.504	0.504	3638833	1.385E-07	1.561E-07	2.521E-08	16.2
1,1,1-Trichloroethane	ELCD	7.65	0.485	0.485	3471341	1.397E-07	1.423E-07	7.522E-09	5.3
Carbon Tetrachloride	ELCD	7.90	0.501	0.501	4235840	1.183E-07	1.176E-07	1.050E-08	8.9
1,2-Dichloroethane	FID	8.30	0.493	0.493	199904	2.466E-06	2.653E-06	1.945E-07	7.3
Trichloroethene	ELCD	9.34	0.512	0.512	3645711	1.404E-07	1.401E-07	1.194E-08	8.5
1,1,2-Trichloroethane	FID	12.59	0.486	0.486	149270	3.256E-06	3.357E-06	3.959E-07	11.8
Tetrachloroethene	ELCD	12.80	0.485	0.485	4027898	1.204E-07	1.101E-07	9.620E-09	8.7
1,1,1,2-Tetrachloroethane	ELCD	11.03	0.493	0.493	3647770	1.352E-07	1.367E-07	6.711E-09	4.9
1,1,2,2-Tetrachloroethane	ELCD	17.94	0.509	0.509	3463445	1.470E-07	1.606E-07	2.248E-08	14.0
1,1-Dichloroethene	PID	4.27	0.520	0.520	871057	5.970E-07	6.934E-07	8.138E-08	11.7
Benzene	PID	8.17	0.492	0.492	2061877	2.386E-07	2.550E-07	1.881E-08	7.4
Toluene	PID	11.63	0.519	0.519	2014110	2.577E-07	2.817E-07	2.576E-08	9.1
Ethyl Benzene	PID	14.90	0.494	0.494	1676786	2.946E-07	3.219E-07	3.517E-08	10.9
m/p-Xylene	PID	11.95	1.004	1.004	4036108	2.488E-07	2.570E-07	2.660E-08	10.3
o-Xylene	PID	16.10	0.503	0.503	1691405	2.974E-07	3.299E-07	3.389E-08	10.3
1,1,2-Trichlorotrifluoroethane	FID	3.48	0.494	0.494	98972	4.991E-06	5.424E-06	3.992E-07	7.4

FINAL DATA

TABLE 3

England & Associates
Omega Chemicals
Whittier, California

Calibration Check Report (2)

Date Calibrated: November 15, 1995
Calibration Standard: CAL9515
Date Calibration Checked:

				15NOV95		16NOV95		17NOV95	
Compound Name	***Detector***	***RT (min)***	***Stnd. Conc.*** (ug/l)	**Found Conc.** (ug/l)	**% Dev.**	**Found Conc.** (ug/l)	**% Dev.**	**Found Conc.** (ug/l)	**% Dev.**
Dichlorodifluoromethane	ELCD	1.82	519	272	-47.6	522	0.6	491	-5.4
Vinyl Chloride	ELCD	2.32	536	520	-3.0	510	-4.9	518	-3.4
Chloroethane	ELCD	3.06	554	427	-22.9	528	-4.7	537	-3.1
Trichlorofluoromethane	ELCD	3.47	521	519	-0.4	538	3.3	488	-6.3
Dichloromethane	ELCD	4.98	479	434	-9.4	506	5.6	480	0.2
trans-1,2-Dichloroethene	ELCD	5.36	493	484	-1.8	462	-6.3	464	-5.9
1,1-Dichloroethane	ELCD	5.95	493	498	1.0	496	0.6	489	-0.8
cis-1,2-Dichloroethene	ELCD	6.80	493	439	-11.0	472	-4.3	472	-4.3
Chloroform	ELCD	7.31	504	499	-1.0	565	12.1	525	4.2
1,1,1-Trichloroethane	ELCD	7.52	485	493	1.6	505	4.1	492	1.4
Carbon Tetrachloride	ELCD	7.77	501	540	7.8	595	18.8	558	11.4
1,2-Dichloroethane	ELCD	8.16	493	464	-5.9	469	-4.9	470	-4.7
Trichloroethene	ELCD	9.20	512	456	-10.9	507	-1.0	492	-3.9
1,1,2-Trichloroethane	ELCD	12.44	486	415	-14.6	475	-2.3	468	-3.7
Tetrachloroethene	ELCD	12.64	485	443	-8.7	488	0.6	474	-2.3
1,1,1,2-Tetrachloroethane	ELCD	14.75	493	432	-12.4	502	1.8	489	-0.8
1,1,2,2-Tetrachloroethane	ELCD	17.78	509	376	-26.1	NA	NA	NA	NA
1,1-Dichloroethene	PID	4.17	520	467	-10.2	445	-14.4	473	-9.0
Benzene	PID	5.78	492	442	-10.2	438	-11.0	449	-8.7
Toluene	PID	8.63	519	471	-9.2	454	-12.5	473	-8.9
Ethyl Benzene	PID	14.73	494	453	-8.3	442	-10.5	451	-8.7
m/p-Xylene	PID	11.85	1004	908	-9.6	893	-11.1	907	-9.7
o-Xylene	PID	12.56	503	458	-8.9	437	-13.1	461	-8.3
1,1,2-Trichlorotrifluoroethane	FID	3.38	494	465	-5.9	518	4.9	496	0.4

TABLE 4

England & Associates

Omega Chemicals
Whittier, California

LCS Check Report

Date Calibrated: November 14, 1995
Calibration Standard: CAL9515
LCS Standard: CAL9514

	14NOV95	15NOV95
Date Performance Checked:		
Time Performance Checked:	11:38	18:01

Compound Name	*Detector*	*RT (min)*	*Stnd. Conc.* (ug/L)	Found Conc. (ug/L)	% Dev.	Found Conc. (ug/L)	% Dev.
Dichlorodifluoromethane	ELCD	1.82	513	443	-13.6	462	-9.9
Vinyl Chloride	ELCD	2.32	531	561	5.6	507	-4.5
Chloroethane	ELCD	3.06	547	562	2.7	505	-7.7
Trichlorofluoromethane	ELCD	3.47	494	546	10.5	541	9.5
Dichloromethane	ELCD	4.98	476	553	16.2	483	1.5
trans-1,2-Dichloroethene	ELCD	5.36	488	561	15.0	510	4.5
1,1-Dichloroethane	ELCD	5.95	485	526	8.5	499	2.9
cis-1,2-Dichloroethene	ELCD	6.80	499	517	3.6	489	-2.0
Chloroform	ELCD	7.31	508	527	3.7	500	-1.6
1,1,1-Trichloroethane	ELCD	7.52	472	543	15.0	504	6.8
Carbon Tetrachloride	ELCD	7.77	508	524	3.1	533	4.9
1,2-Dichloroethane	ELCD	8.16	495	543	9.7	462	-6.7
Trichloroethene	ELCD	9.20	485	529	9.1	435	-10.3
1,1,2-Trichloroethane	ELCD	12.44	476	493	3.6	427	-10.3
Tetrachloroethene	ELCD	12.64	474	542	14.3	455	-4.0
1,1,1,2-Tetrachloroethane	ELCD	14.75	476	520	9.2	453	-4.8
1,1,2,2-Tetrachloroethane	ELCD	17.78	489	501	2.5	431	-11.9
1,1-Dichloroethene	PID	4.17	481	485	0.8	463	-3.7
Benzene	PID	5.78	500	495	-1.0	471	-5.8
Toluene	PID	8.63	482	465	-3.5	428	-11.2
Ethyl Benzene	PID	14.73	494	492	-0.4	436	-11.7
m/p-Xylene	PID	11.85	984	985	0.1	855	-13.1
o-Xylene	PID	12.56	487	469	-3.7	400	-17.9
1,1,2-Trichlorotrifluoroethane	FID	3.38	544	483	-11.2	483	-11.2

FINAL DATA

England & Associates
Omega Chemicals
Whittier, California

Date Calibrated: November 14, 1995
Calibration Standard: CAL9515
LCS Standard: CAL9514

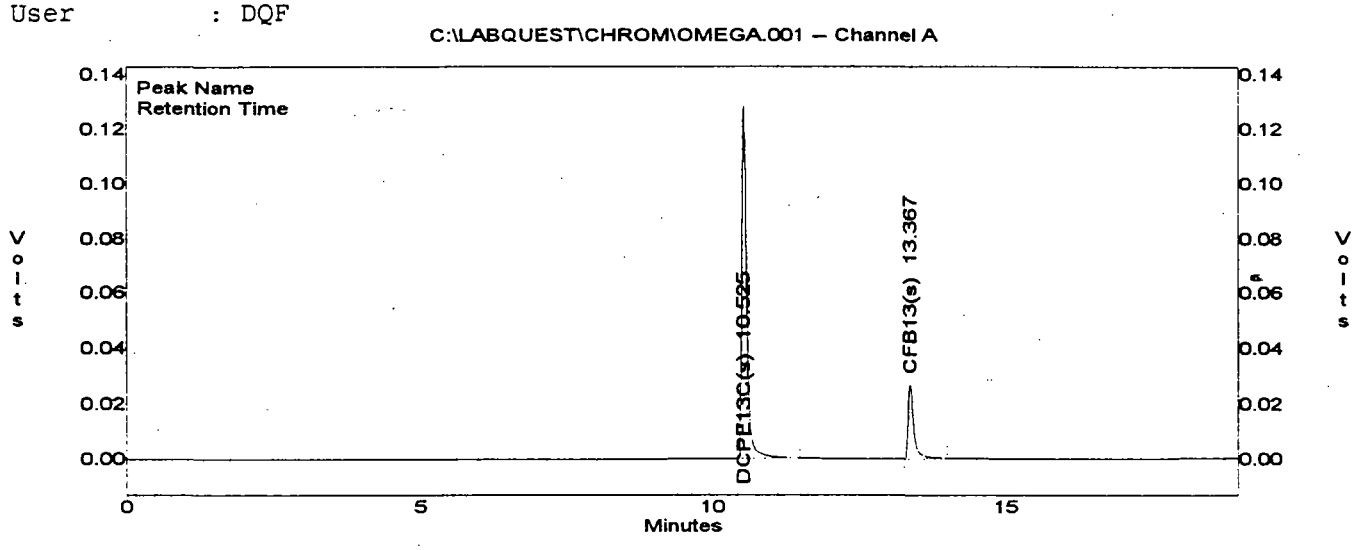
		16NOV95	17NOV95
Date Performance Checked:			
Time Performance Checked:		18:01	18:01

Compound Name	*Detector*	*RT (min)*	*Stnd. Conc.* (ug/L)	Found Conc. (ug/L)	% Dev.	Found Conc. (ug/L)	% Dev.
Dichlorodifluoromethane	ELCD	1.82	513	499	-2.7	462	-9.9
Vinyl Chloride	ELCD	2.32	531	488	-8.1	507	-4.5
Chloroethane	ELCD	3.06	547	510	-6.8	505	-7.7
Trichlorofluoromethane	ELCD	3.47	494	606	22.7	541	9.5
Dichloromethane	ELCD	4.98	476	459	-3.6	483	1.5
trans-1,2-Dichloroethene	ELCD	5.36	488	463	-5.1	510	4.5
1,1-Dichloroethane	ELCD	5.95	485	475	-2.1	499	2.9
cis-1,2-Dichloroethene	ELCD	6.80	499	463	-7.2	489	-2.0
Chloroform	ELCD	7.31	508	512	0.8	500	-1.6
1,1,1-Trichloroethane	ELCD	7.52	472	431	-8.7	504	6.8
Carbon Tetrachloride	ELCD	7.77	508	494	-2.8	533	4.9
1,2-Dichloroethane	ELCD	8.16	495	461	-6.9	462	-6.7
Trichloroethene	ELCD	9.20	485	495	2.1	435	-10.3
1,1,2-Trichloroethane	ELCD	12.44	476	455	-4.4	427	-10.3
Tetrachloroethene	ELCD	12.64	474	464	-2.1	455	-4.0
1,1,1,2-Tetrachloroethane	ELCD	14.75	476	469	-1.5	453	-4.8
1,1,2,2-Tetrachloroethane	ELCD	17.78	489	NA	NA	431	-11.9
1,1-Dichloroethene	PID	4.17	481	406	-15.6	463	-3.7
Benzene	PID	5.78	500	472	-5.6	471	-5.8
Toluene	PID	8.63	482	443	-8.1	428	-11.2
Ethyl Benzene	PID	14.73	494	NA	NA	436	-11.7
m/p-Xylene	PID	11.85	984	904	-8.1	855	-13.1
o-Xylene	PID	12.56	487	449	-7.8	400	-17.9
1,1,2-Trichlorotrifluoroethane	FID	3.38	544	495	-9.0	483	-11.2

Appendix A

Chromatograms and Field Data Sheets

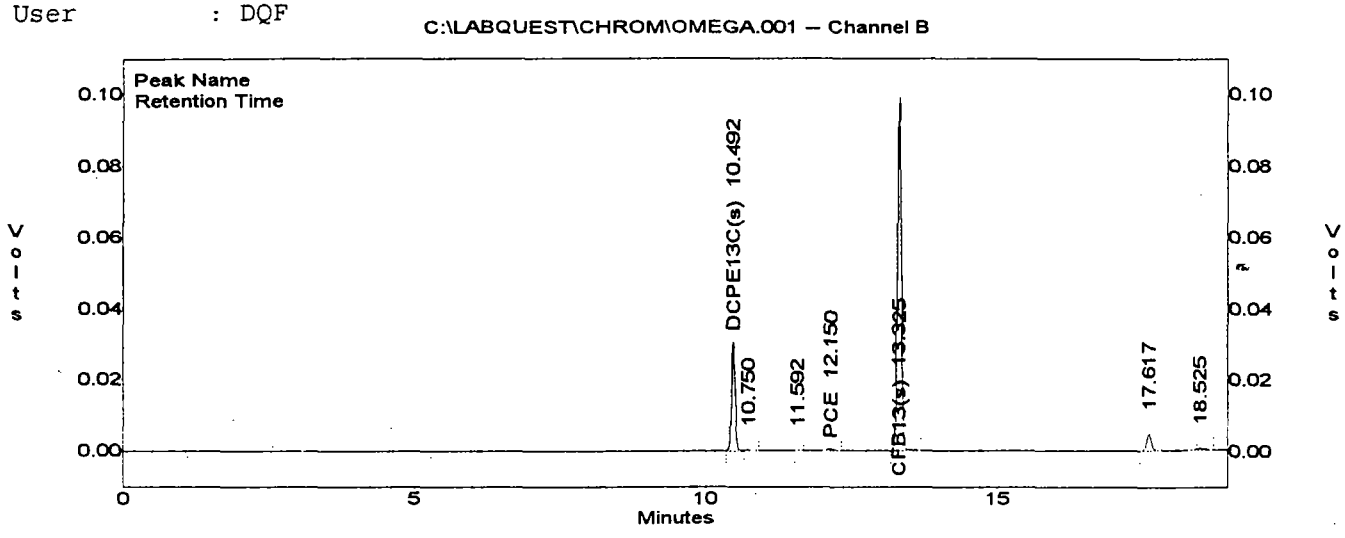
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.001
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951114AM
Acquired : Nov 14, 1995 09:09:34
Printed : Nov 14, 1995 09:28:58
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.992	0	0.000	0
--	VC	2.476	0	0.000	0
--	CLET	3.185	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.525	748862	1012.580	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
2	CFB13(s)	13.367	186304	557.268	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0
Totals :			935167	1569.848	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.001
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951114AM
Acquired : Nov 14, 1995 09:09:34
Printed : Nov 14, 1995 09:29:02
User : DQF



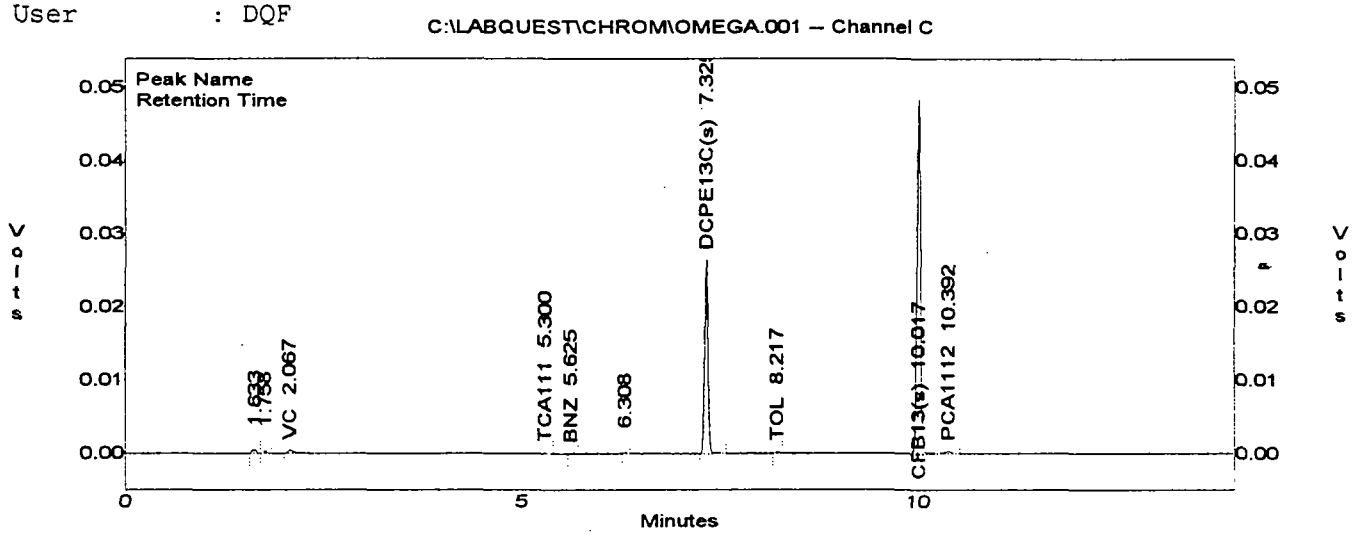
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.417	0	0.000	0
--	DCE11	4.225	0	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.858	0	0.000	0
--	TCE	8.900	0	0.000	0
1	DCPE13C(s)	10.492	131212	2249.909	0
2		10.750	1450	0.000	0
--	TOL	11.200	0	0.000	0
3		11.592	338	0.000	0
4	PCE	12.150	4344	4.607	0
5	CFB13(s)	13.325	466187	2115.709	0
--	EB	14.392	0	0.000	0
--	XYLMP	14.675	0	0.000	0
--	XYLO	15.575	0	0.000	0
6		17.617	28870	0.000	0
7		18.525	5570	0.000	0

Totals :

637974	4370.226	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.001
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951114AM
Acquired : Nov 14, 1995 09:09:34
Printed : Nov 14, 1995 09:29:05
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	2120	0.000	0
2		1.758	890	0.000	0
--	F12	1.891	0	0.000	0
3	VC	2.067	2757	4.481	0
--	CLET	2.445	0	0.000	0
--	F11	2.887	0	0.000	0
--	11DCE	3.245	0	0.000	0
--	DCM	3.320	0	0.000	0
--	F113	3.483	0	0.000	0
--	DCE12T	3.867	0	0.000	0
--	DCA11	3.983	0	0.000	0
--	DCE12C	4.517	0	0.000	0
--	CLFM	4.708	0	0.000	0
--	DCA12	5.192	0	0.000	0
4	TCA111	5.300	276	0.848	0
5	BNZ	5.625	216	0.137	0
--	CBTC	5.825	0	0.000	0
6		6.308	548	0.000	0
--	TCE	6.583	0	0.000	0
7	DCPE13C(s)	7.325	72345	1011.546	0
--	TCA112	8.092	0	0.000	0
8	TOL	8.217	589	0.425	0
--	PCE	9.725	0	0.000	0
9	CFB13(s)	10.017	156140	998.391	0
10	PCA1112	10.392	2009	8.017	0
--	EB+PCA1122	11.208	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.001
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951114AM
Acquired : Nov 14, 1995 09:09:34
Printed : Nov 14, 1995 09:29:07
User : DQF

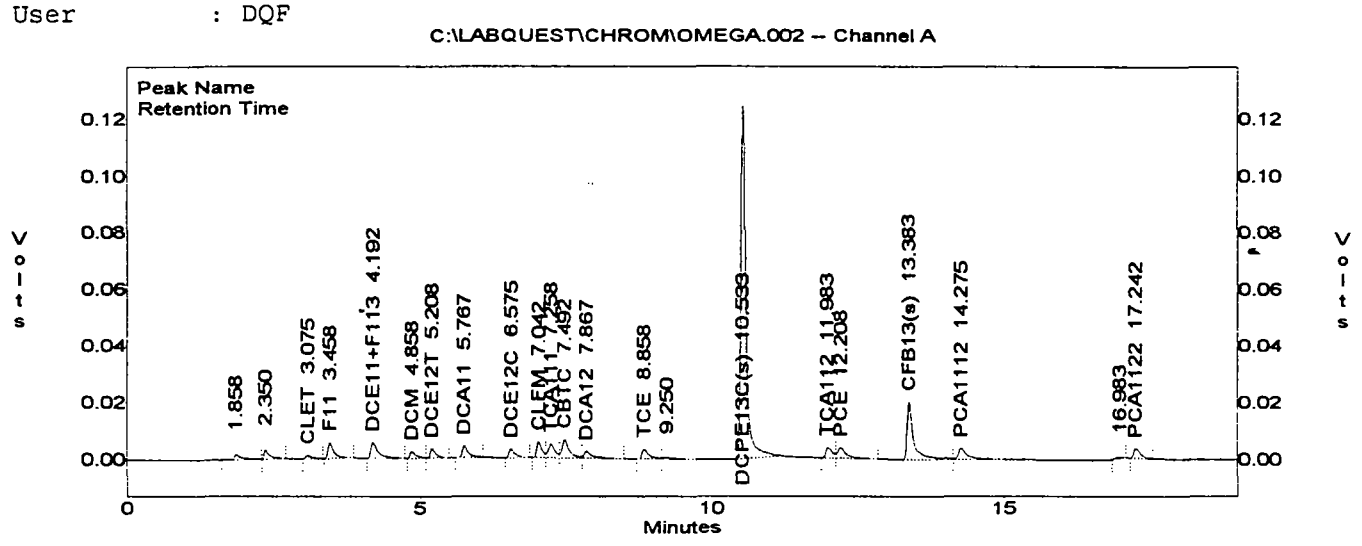
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.492	0	0.000	0
--	XYLO	12.183	0	0.000	0

Totals :

	237892	2023.844

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.002
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L1
Acquired : Nov 14, 1995 09:42:34
Printed : Nov 14, 1995 10:01:53
User : DQF



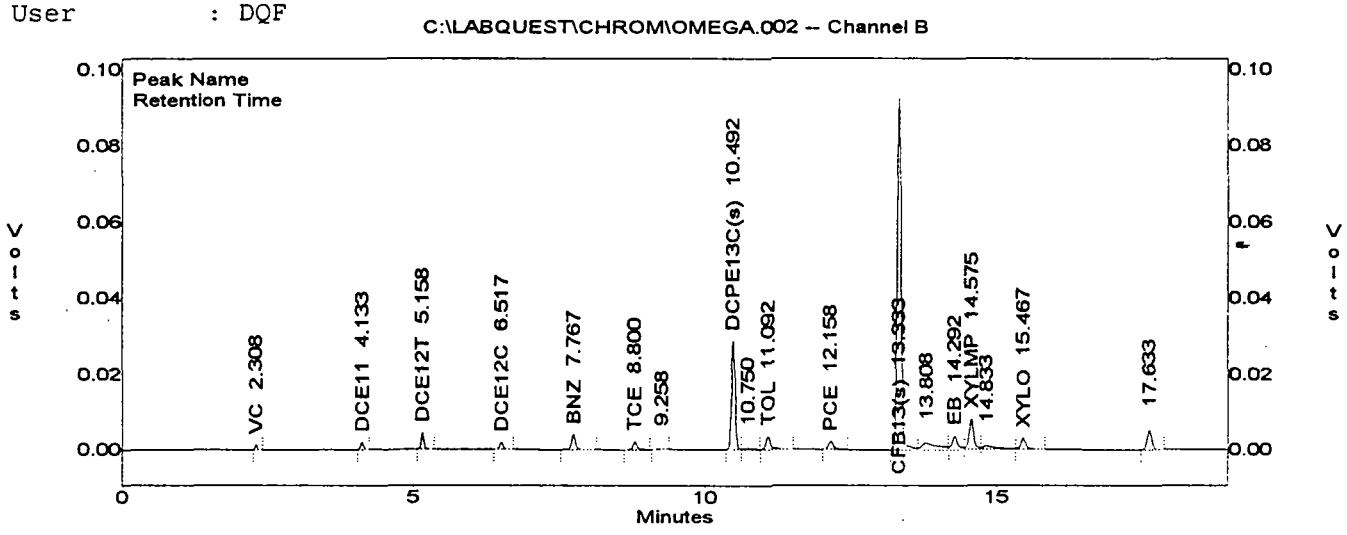
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.858	14204	0.000	0
--	F12	1.992	0	0.000	0
2		2.350	20059	0.000	0
--	VC	2.476	0	0.000	0
3	CLET	3.075	7604	0.004	0
4	F11	3.458	40371	0.006	0
5	DCE11+F113	4.192	49149	0.012	0
6	DCM	4.858	17039	0.004	0
7	DCE12T	5.208	22516	0.004	0
8	DCA11	5.767	29290	0.005	0
9	DCE12C	6.575	22563	0.004	0
10	CLFM	7.042	35443	0.005	0
11	TCA111	7.258	38216	0.006	0
12	CBTC	7.492	56174	0.007	0
13	DCA12	7.867	24903	0.005	0
14	TCE	8.858	29790	0.005	0
15		9.250	8913	0.000	0
16	DCPE13C(s)	10.533	759723	1.027	0
17	TCA112	11.983	27502	0.005	0
18	PCE	12.208	40033	0.006	0
19	CFB13(s)	13.383	160992	0.482	0
20	PCA1112	14.275	42731	0.007	0
21		16.983	4212	0.000	0
22	PCA1122	17.242	27492	0.005	0

Totals :

1478928	1.599	

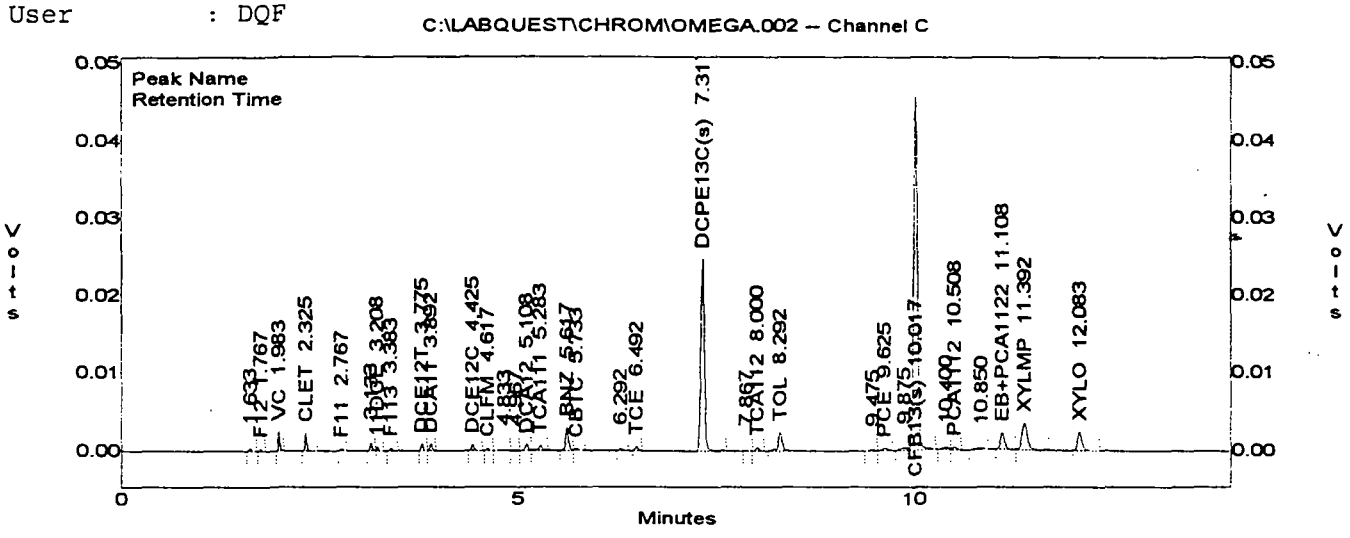
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.002
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L1
Acquired : Nov 14, 1995 09:42:34
Printed : Nov 14, 1995 10:01:58
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.308	3176	0.009	0
2	DCE11	4.133	6925	0.008	0
3	DCE12T	5.158	14942	0.008	0
4	DCE12C	6.517	7862	0.008	0
5	BNZ	7.767	19693	0.009	0
6	TCE	8.800	10466	0.009	0
7		9.258	1409	0.000	0
8	DCPE13C(s)	10.492	125040	2.144	0
9		10.750	3200	0.000	0
10	TOL	11.092	19128	0.011	0
11	PCE	12.158	12884	0.014	0
12	CFB13(s)	13.333	453990	2.060	0
13		13.808	33633	0.000	0
14	EB	14.292	25066	0.015	0
15	XYLMP	14.575	46300	0.024	0
16		14.833	16569	0.000	0
17	XYLO	15.467	18277	0.012	0
18		17.633	30662	0.000	0
Totals :			849229	4.331	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.002
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L1
Acquired : Nov 14, 1995 09:42:34
Printed : Nov 14, 1995 10:02:02
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	845	0.000	0
2	F12	1.767	455	0.005	0
3	VC	1.983	3239	0.005	0
4	CLET	2.325	3332	0.006	0
5	F11	2.767	537	0.004	0
6		3.133	1992	0.000	0
7	11DCE	3.208	906	0.002	0
--	DCM	3.320	0	0.000	0
8	F113	3.383	927	0.004	0
9	DCE12T	3.775	1819	0.004	0
10	DCA11	3.892	1915	0.004	0
11	DCE12C	4.425	1934	0.005	0
12	CLFM	4.617	733	0.004	0
13		4.833	733	0.000	0
14		4.967	350	0.000	0
15	DCA12	5.108	2105	0.005	0
16	TCA111	5.283	1980	0.006	0
17	BNZ	5.617	7377	0.005	0
18	CBTC	5.733	742	0.005	0
19		6.292	623	0.000	0
20	TCE	6.492	1466	0.005	0
21	DCPE13C(s)	7.317	69136	0.967	0
22		7.867	204	0.000	0
23	TCA112	8.000	1379	0.004	0
24	TOL	8.292	8611	0.006	0
25		9.475	875	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.002
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L1
Acquired : Nov 14, 1995 09:42:34
Printed : Nov 14, 1995 10:02:04
User : DQF

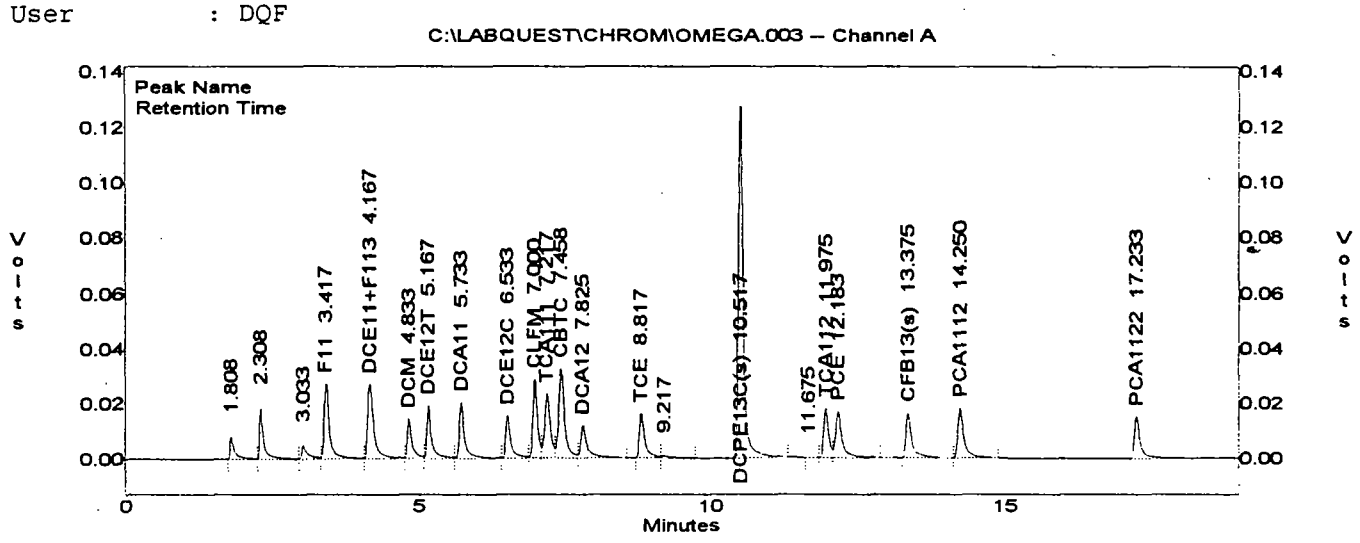
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	PCE	9.625	2119	0.008	0
27		9.875	2118	0.000	0
28	CFB13(s)	10.017	153177	0.979	0
29		10.400	1238	0.000	0
30	PCA1112	10.508	1280	0.005	0
31		10.850	1537	0.000	0
32	EB+PCA1122	11.108	8166	0.011	0
33	XYLMP	11.392	17245	0.012	0
34	XYLO	12.083	9805	0.006	0

Totals :

310914	2.069	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.003
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L2
Acquired : Nov 14, 1995 10:06:25
Printed : Nov 14, 1995 10:26:03
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.808	46643	0.000	0
--	F12	1.992	0	0.000	0
2		2.308	95646	0.000	0
--	VC	2.476	0	0.000	0
3		3.033	35179	0.000	0
--	CLET	3.185	0	0.000	0
4	F11	3.417	178372	0.025	0
5	DCE11+F113	4.167	206828	0.049	0
6	DCM	4.833	80694	0.018	0
7	DCE12T	5.167	110213	0.022	0
8	DCA11	5.733	131756	0.023	0
9	DCE12C	6.533	97396	0.019	0
10	CLFM	7.000	158605	0.023	0
11	TCA111	7.217	162587	0.026	0
12	CBTC	7.458	232733	0.029	0
13	DCA12	7.825	93853	0.020	0
14	TCE	8.817	111784	0.019	0
15		9.217	10702	0.000	0
16	DCPE13C(s)	10.517	764276	1.033	0
17		11.675	523	0.000	0
18	TCA112	11.975	107568	0.019	0
19	PCE	12.183	137815	0.022	0
20	CFB13(s)	13.375	122732	0.367	0
21	PCA1112	14.250	136682	0.022	0
22	PCA1122	17.233	114292	0.020	0

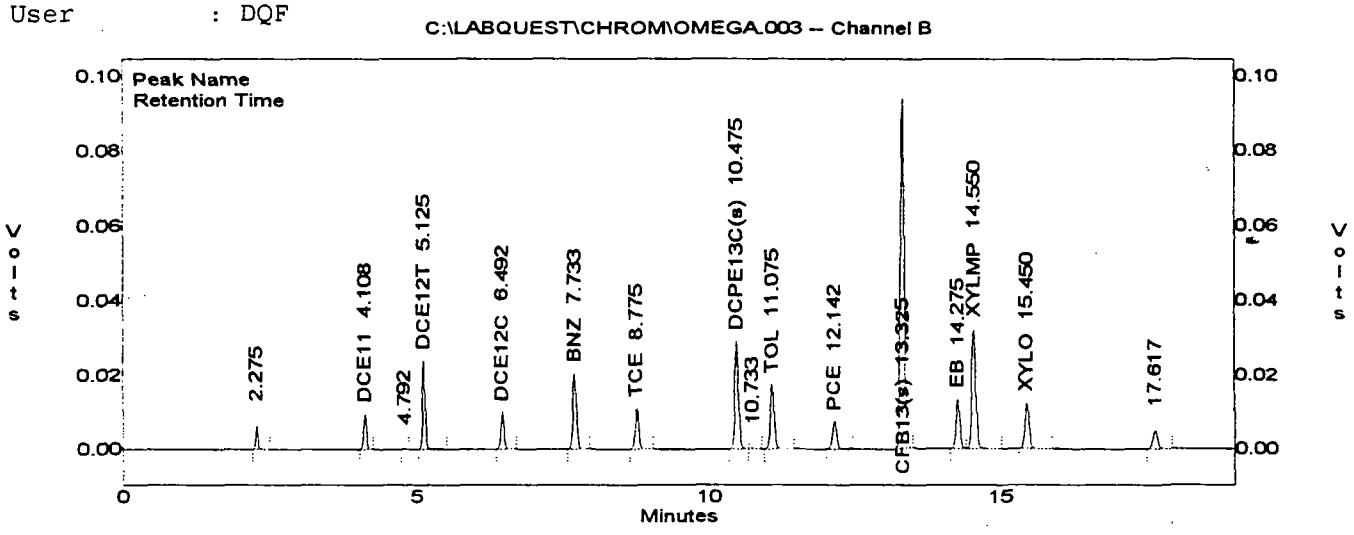
Continued...

File : C:\LABQUEST\CHROM\OMEGA.003
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L2
Acquired : Nov 14, 1995 10:06:25
Printed : Nov 14, 1995 10:26:06
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			3136889	1.757	

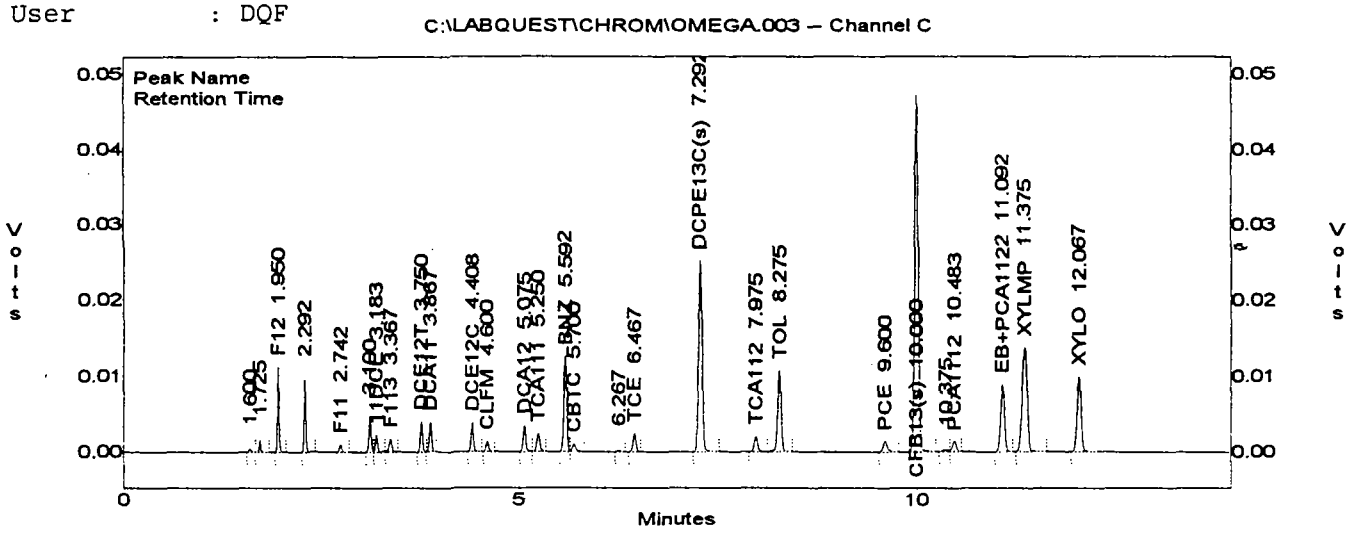
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.003
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L2
Acquired : Nov 14, 1995 10:06:25
Printed : Nov 14, 1995 10:26:08
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.275	15249	0.000	0
--	VC	2.417	0	0.000	0
2	DCE11	4.108	33487	0.039	0
3		4.792	685	0.000	0
4	DCE12T	5.125	75490	0.040	0
5	DCE12C	6.492	37746	0.039	0
6	BNZ	7.733	86223	0.040	0
7	TCE	8.775	46716	0.039	0
8	DCPE13C(s)	10.475	125512	2.152	0
9		10.733	1312	0.000	0
10	TOL	11.075	79794	0.045	0
11	PCE	12.142	38802	0.041	0
12	CFB13(s)	13.325	446973	2.029	0
13	EB	14.275	64516	0.038	0
14	XYLMP	14.550	160487	0.082	0
15	XYLO	15.450	62337	0.040	0
16		17.617	30450	0.000	0
Totals :			1305786	4.625	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.003
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L2
Acquired : Nov 14, 1995 10:06:25
Printed : Nov 14, 1995 10:26:13
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.600	904	0.000		0
2		1.725	2134	0.000		0
3	F12	1.950	14228	0.151		0
--	VC	2.113	0	0.000		0
4		2.292	14046	0.000		0
--	CLET	2.445	0	0.000		0
5	F11	2.742	2103	0.016		0
6		3.100	8875	0.000		0
7	11DCE	3.183	4597	0.011		0
--	DCM	3.320	0	0.000		0
8	F113	3.367	4222	0.020		0
9	DCE12T	3.750	8065	0.020		0
10	DCA11	3.867	8465	0.020		0
11	DCE12C	4.408	8251	0.020		0
12	CLFM	4.600	3264	0.018		0
13	DCA12	5.075	8186	0.020		0
14	TCA111	5.250	6713	0.021		0
15	BNZ	5.592	32235	0.020		0
16	CBTC	5.700	2974	0.020		0
17		6.267	563	0.000		0
18	TCE	6.467	6371	0.020		0
19	DCPE13C(s)	7.292	69341	0.970		0
20	TCA112	7.975	6091	0.020		0
21	TOL	8.275	33522	0.024		0
22	PCE	9.600	5305	0.021		0
23	CFB13(s)	10.000	152422	0.975		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.003
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L2
uired : Nov 14, 1995 10:06:25
inted : Nov 14, 1995 10:26:15
User : DQF

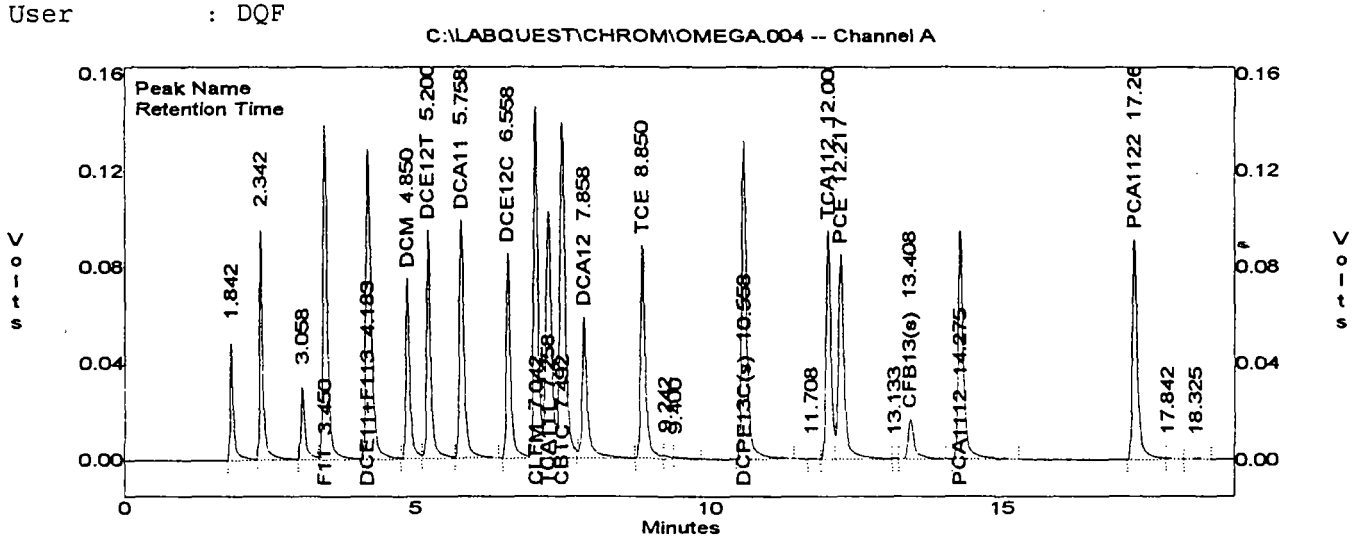
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24		10.375	1089	0.000	0
25	PCA1112	10.483	5001	0.020	0
26	EB+PCA1122	11.092	30665	0.042	0
27	XYLMP	11.375	63170	0.043	0
28	XYLO	12.067	36388	0.022	0

Totals :

	539198	2.513

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.004
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L3
Acquired : Nov 14, 1995 10:30:36
Printed : Nov 14, 1995 10:49:57
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.842	198522	0.000	0
--	F12	1.992	0	0.000	0
2		2.342	380991	0.000	0
--	VC	2.476	0	0.000	0
3		3.058	150353	0.000	0
--	CLET	3.185	0	0.000	0
4	F11	3.450	746535	0.106	0
5	DCE11+F113	4.183	835097	0.197	0
6	DCM	4.850	347787	0.075	0
7	DCE12T	5.200	462038	0.091	0
8	DCA11	5.758	557085	0.098	0
9	DCE12C	6.558	439286	0.086	0
10	CLFM	7.042	740802	0.107	0
11	TCA111	7.258	666916	0.107	0
12	CBTC	7.492	909041	0.113	0
13	DCA12	7.858	363438	0.078	0
14	TCE	8.850	498629	0.087	0
15		9.242	10346	0.000	0
16		9.400	7731	0.000	0
17	DCPE13C(s)	10.558	794629	1.074	0
18		11.708	700	0.000	0
19	TCA112	12.000	532955	0.093	0
20	PCE	12.217	586609	0.093	0
21		13.133	698	0.000	0
22	CFB13(s)	13.408	127516	0.381	0
23	PCA1112	14.275	615422	0.099	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.004
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L3
Acquired : Nov 14, 1995 10:30:36
Printed : Nov 14, 1995 10:49:59
User : DQF

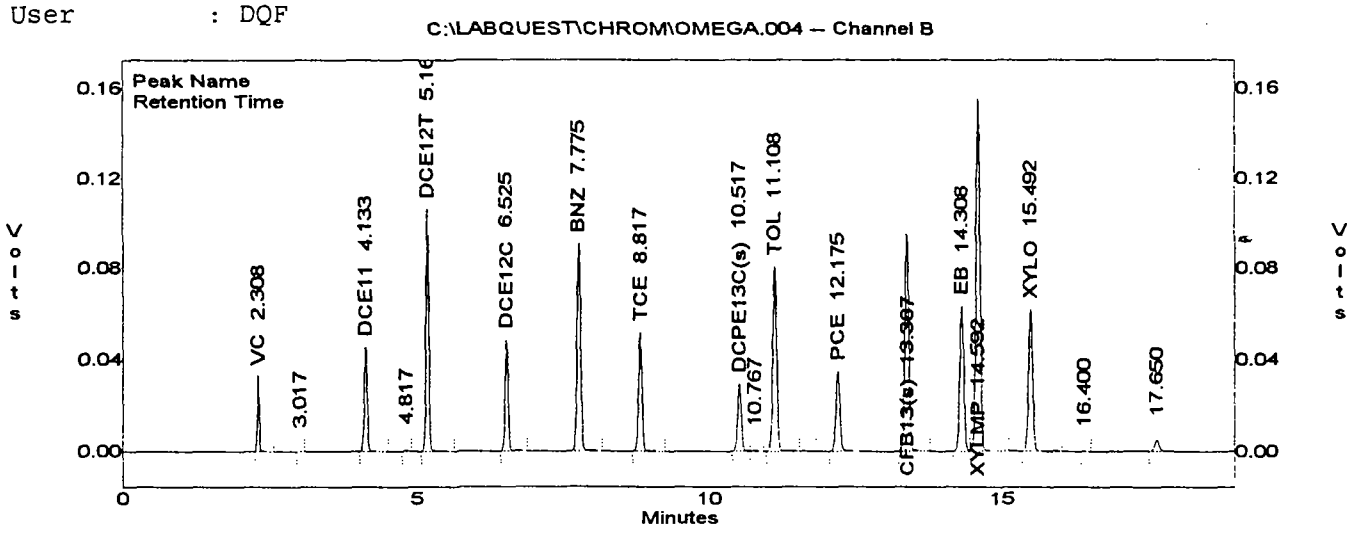
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24	PCA1122	17.267	568116	0.100	0
25		17.842	3930	0.000	0
26		18.325	3326	0.000	0

Totals :

	10548514	2.987

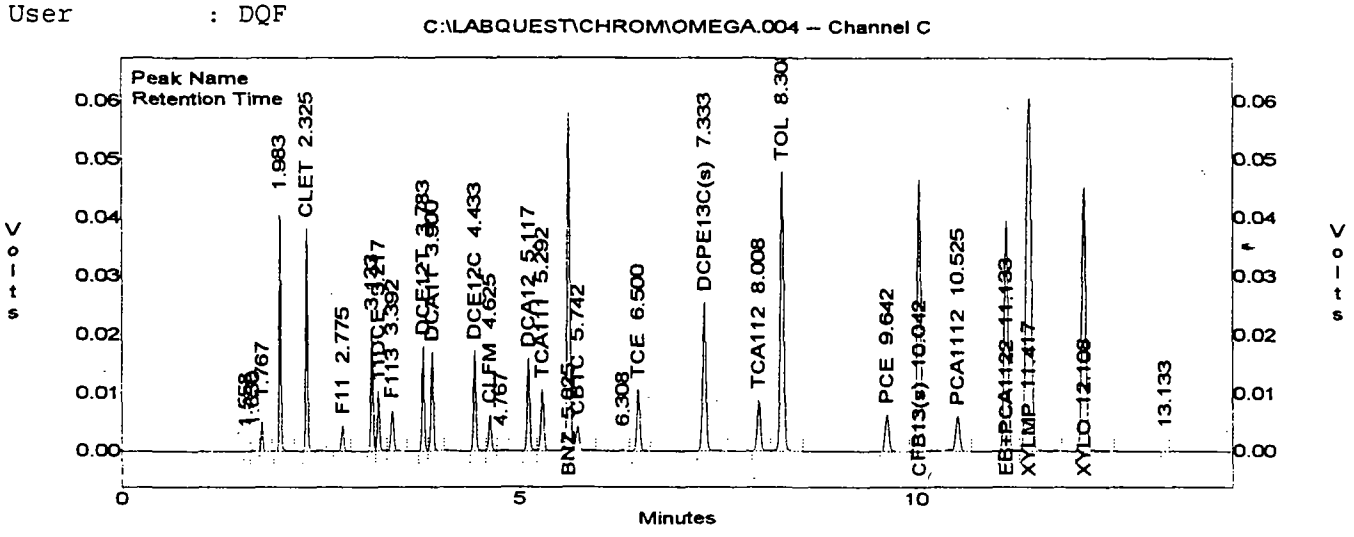
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.004
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L3
Acquired : Nov 14, 1995 10:30:36
Printed : Nov 14, 1995 10:50:02
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.308	71655	0.212	0
2		3.017	300	0.000	0
3	DCE11	4.133	159077	0.187	0
4		4.817	3085	0.000	0
5	DCE12T	5.167	340111	0.182	0
6	DCE12C	6.525	178414	0.182	0
7	BNZ	7.775	389876	0.182	0
8	TCE	8.817	222579	0.188	0
9	DCPE13C(s)	10.517	126731	2.173	0
10		10.767	1446	0.000	0
11	TOL	11.108	373751	0.212	0
12	PCE	12.175	170417	0.181	0
13	CFB13(s)	13.367	458884	2.083	0
14	EB	14.308	314535	0.186	0
15	XYLMP	14.592	759890	0.386	0
16	XYLO	15.492	308380	0.196	0
17		16.400	304	0.000	0
18		17.650	30318	0.000	0
Totals :			3909759	6.550	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.004
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L3
Acquired : Nov 14, 1995 10:30:36
Printed : Nov 14, 1995 10:50:07
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.558	327	0.000	0
2		1.650	835	0.000	0
3		1.767	8286	0.000	0
--	F12	1.891	0	0.000	0
4		1.983	62227	0.000	0
--	VC	2.113	0	0.000	0
5	CLET	2.325	60823	0.104	0
6	F11	2.775	9017	0.070	0
7		3.133	38464	0.000	0
8	11DCE	3.217	19406	0.047	0
--	DCM	3.320	0	0.000	0
9	F113	3.392	18039	0.086	0
10	DCE12T	3.783	35693	0.088	0
11	DCA11	3.900	37855	0.089	0
12	DCE12C	4.433	36856	0.089	0
13	CLFM	4.625	14473	0.082	0
14		4.767	327	0.000	0
15	DCA12	5.117	36416	0.088	0
16	TCA111	5.292	28796	0.088	0
17	BNZ	5.625	140351	0.089	0
18	CBTC	5.742	12736	0.086	0
19		6.308	550	0.000	0
20	TCE	6.500	28967	0.090	0
21	DCPE13C(s)	7.333	70829	0.990	0
22	TCA112	8.008	26489	0.086	0
23	TOL	8.308	145555	0.105	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.004
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L3
Acquired : Nov 14, 1995 10:30:36
Printed : Nov 14, 1995 10:50:08
User : DQF

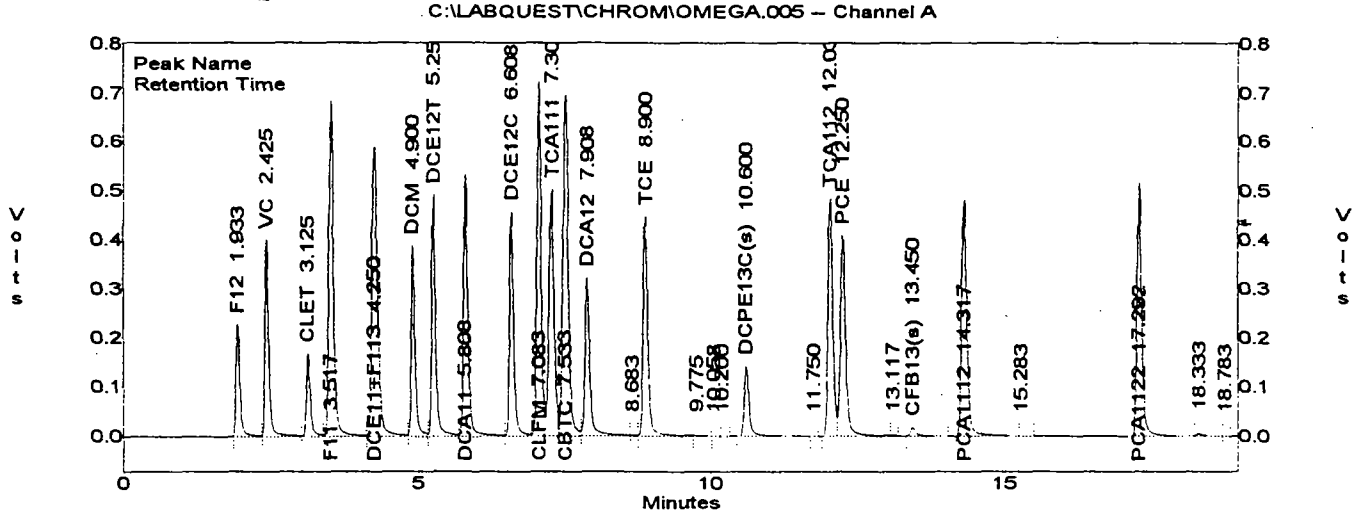
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24	PCE	9.642	22370	0.087	0
25	CFB13(s)	10.042	154950	0.991	0
26	PCA1112	10.525	22827	0.091	0
27	EB+PCA1122	11.133	136748	0.188	0
28	XYLMP	11.417	279993	0.193	0
29	XYLO	12.108	163515	0.100	0
30		13.133	265	0.000	0

Totals :

1613996	3.924	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.005
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L4
Acquired : Nov 14, 1995 10:54:48
Printed : Nov 14, 1995 11:14:11
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.933	1109503	0.408	0
2	VC	2.425	1831555	0.480	0
3	CLET	3.125	811554	0.380	0
4	F11	3.517	3817419	0.544	0
5	DCE11+F113	4.250	3999970	0.943	0
6	DCM	4.900	1710580	0.371	0
7	DCE12T	5.258	2293730	0.453	0
8	DCA11	5.808	2834147	0.500	0
9	DCE12C	6.608	2301498	0.452	0
10	CLFM	7.083	3629044	0.522	0
11	TCA111	7.308	3055672	0.489	0
12	CBTC	7.533	4487294	0.558	0
13	DCA12	7.908	1855260	0.398	0
14		8.683	14033	0.000	0
15	TCE	8.900	2548004	0.444	0
16		9.775	14265	0.000	0
17		10.058	3917	0.000	0
18		10.200	1618	0.000	0
19	DCPE13C(s)	10.600	824462	1.115	0
20		11.750	773	0.000	0
21	TCA112	12.033	2780224	0.483	0
22	PCE	12.250	2610722	0.414	0
23		13.117	2530	0.000	0
24	CFB13(s)	13.450	126093	0.377	0
25	PCA1112	14.317	3095976	0.499	0
26		15.283	3072	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.005
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L4
Acquired : Nov 14, 1995 10:54:48
Printed : Nov 14, 1995 11:14:13
User : DQF

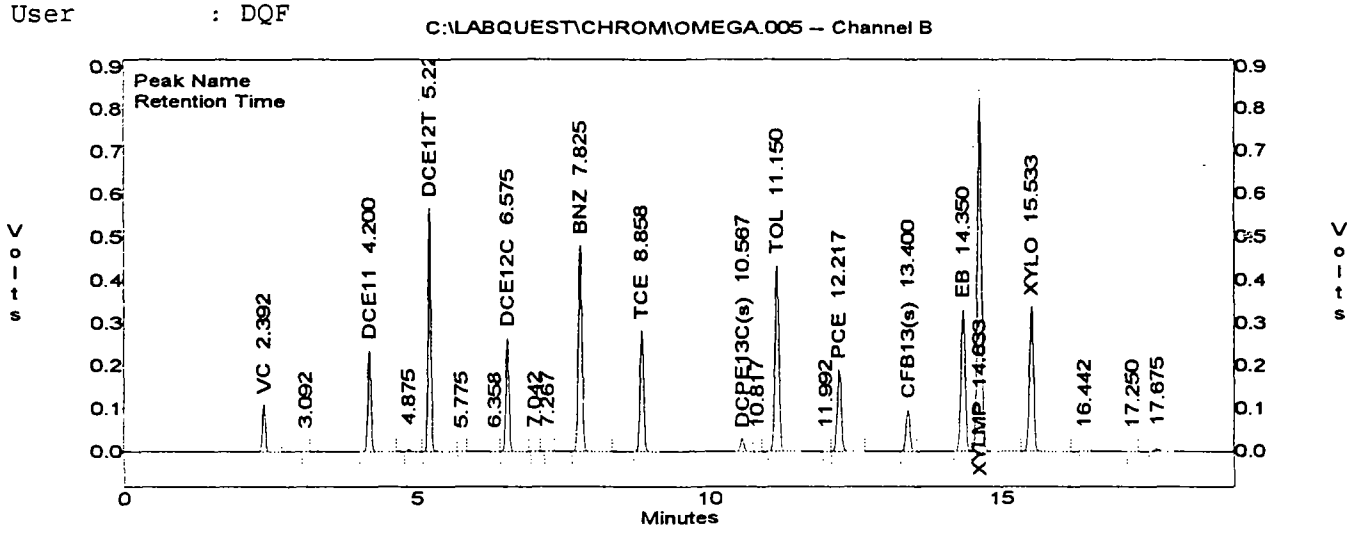
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	PCA1122	17.292	2965400	0.523	0
28		18.333	44947	0.000	0
29		18.783	694	0.000	0

Totals :

	48773964	10.354

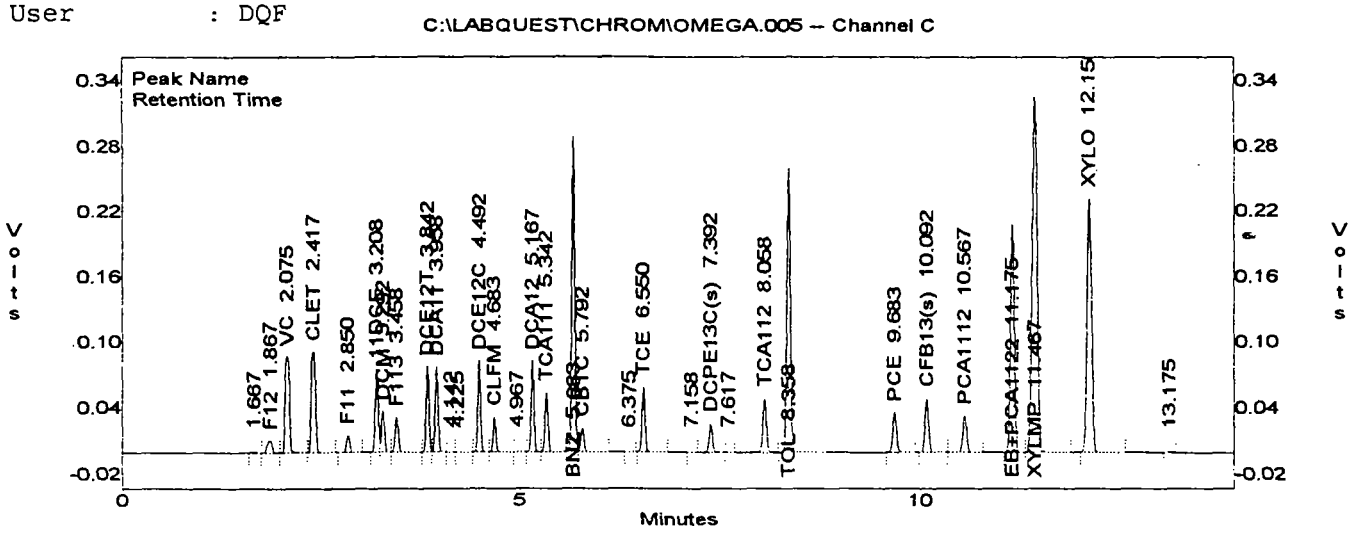
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.005
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L4
Acquired : Nov 14, 1995 10:54:48
Printed : Nov 14, 1995 11:14:17
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.392	398322	1.180	0
2		3.092	1375	0.000	0
3	DCE11	4.200	887203	1.042	0
4		4.875	18409	0.000	0
5	DCE12T	5.225	1885290	1.009	0
6		5.775	1458	0.000	0
7		6.358	1291	0.000	0
8	DCE12C	6.575	1000965	1.023	0
9		7.042	635	0.000	0
10		7.267	314	0.000	0
11	BNZ	7.825	2095439	0.979	0
12	TCE	8.858	1234136	1.043	0
13	DCPE13C(s)	10.567	128896	2.210	0
14		10.817	484	0.000	0
15	TOL	11.150	2036185	1.155	0
16		11.992	521	0.000	0
17	PCE	12.217	946431	1.004	0
18	CFB13(s)	13.400	463897	2.105	0
19	EB	14.350	1692566	1.000	0
20	XYLMP	14.633	4066778	2.067	0
21	XYLO	15.533	1707323	1.087	0
22		16.442	2138	0.000	0
23		17.250	902	0.000	0
24		17.675	31515	0.000	0
Totals :			18602480	16.903	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.005
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L4
Acquired : Nov 14, 1995 10:54:48
Printed : Nov 14, 1995 11:14:21
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	1711	0.000	0
2	F12	1.867	45420	0.481	0
3	VC	2.075	335798	0.546	0
4	CLET	2.417	325457	0.555	0
5	F11	2.850	49841	0.386	0
6	11DCE	3.208	206766	0.499	0
7	DCM	3.292	104947	0.456	0
8	F113	3.458	95626	0.455	0
9	DCE12T	3.842	196262	0.481	0
10	DCA11	3.958	201994	0.473	0
11		4.142	1835	0.000	0
12		4.225	1461	0.000	0
13	DCE12C	4.492	200213	0.481	0
14	CLFM	4.683	79279	0.447	0
15		4.967	295	0.000	0
16	DCA12	5.167	199713	0.484	0
17	TCA111	5.342	150616	0.462	0
18	BNZ	5.683	748700	0.475	0
19	CBTC	5.792	65163	0.439	0
20		6.375	600	0.000	0
21	TCE	6.550	158839	0.494	0
22		7.158	562	0.000	0
23	DCPE13C(s)	7.392	72528	1.014	0
24		7.617	295	0.000	0
25	TCA112	8.058	146642	0.476	0
26	TOL	8.358	778373	0.561	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.005
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951114L4
Acquired : Nov 14, 1995 10:54:48
Printed : Nov 14, 1995 11:14:23
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	PCE	9.683	119421	0.462	0
28	CFB13(s)	10.092	158746	1.015	0
29	PCA1112	10.567	119220	0.476	0
30	EB+PCA1122	11.175	727124	1.002	0
31	XYLMP	11.467	1468010	1.010	0
32	XYLO	12.150	854053	0.521	0
33		13.175	1430	0.000	0

Totals :

	7616955	14.150

Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:26:07
Channel : A
Peak : F12

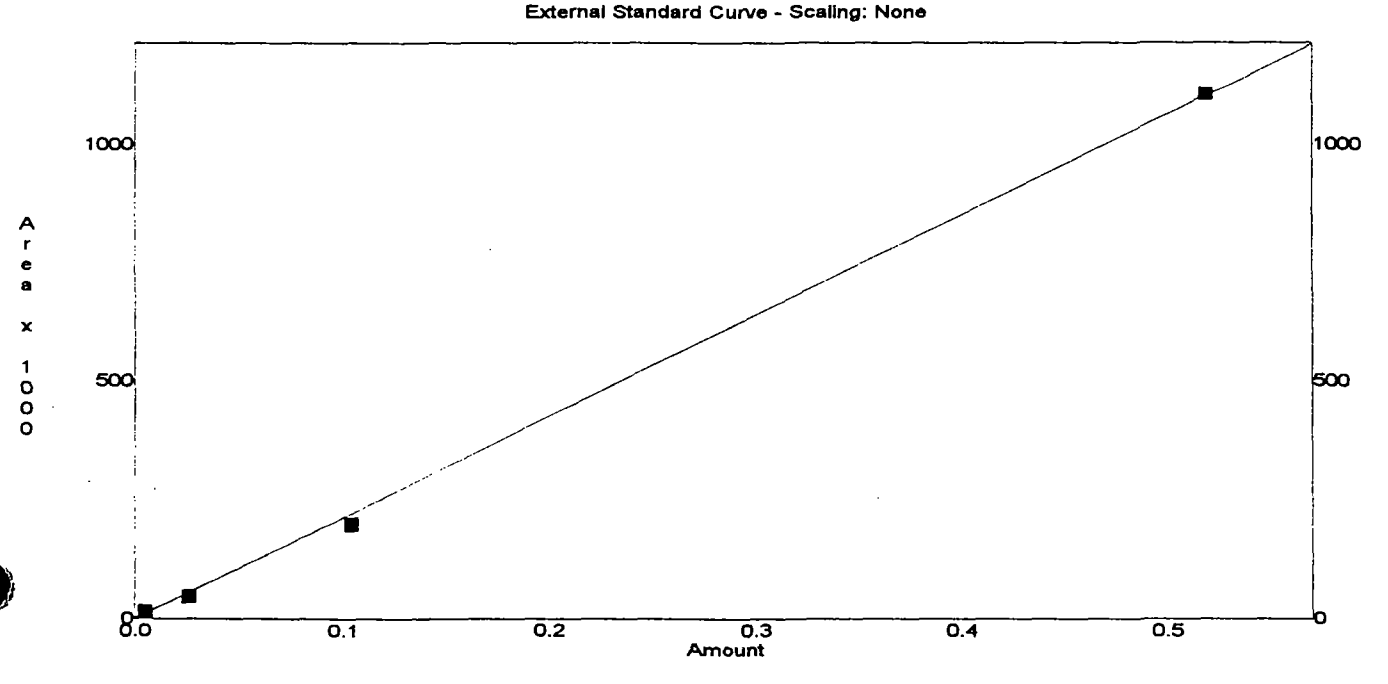
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	14204	0.00519	3.654e-007	14204					
2	46643	0.0259	5.553e-007	46643					
3	198523	0.104	5.239e-007	198523					
4	1109503	0.519	4.678e-007	1109503					

Average RF: 4.78079e-007
RF StdDev: 8.33898e-008
RF %RSD: 17.4427

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

Linear Fit: Amount = 4.696e-007 x Area + 0.000e+000
R^2 = 0.9992



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:26:20
Channel : A
Peak : VC

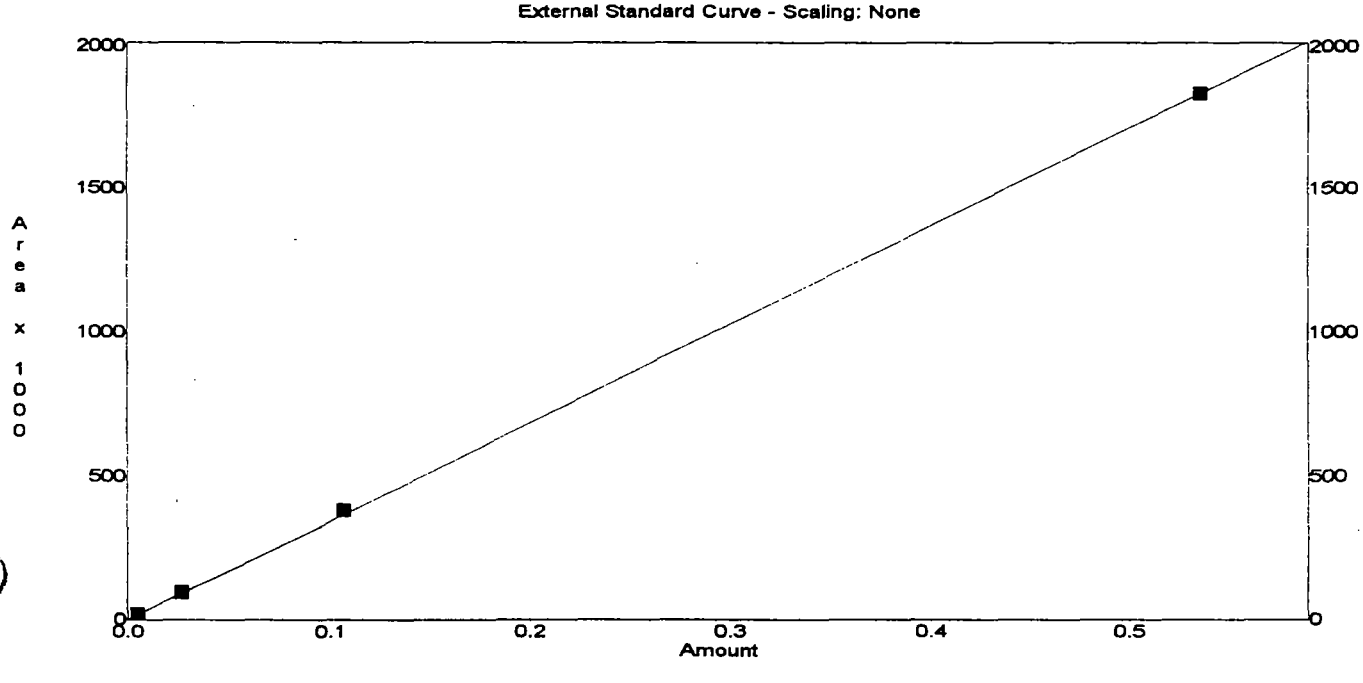
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	20059	0.00536	2.672e-007	20059					
2	95647	0.0268	2.802e-007	95647					
3	380992	0.107	2.808e-007	380992					
4	1831555	0.536	2.926e-007	1831555					

Average RF: 2.80226e-007
RF StdDev: 1.03931e-008
RF %RSD: 3.70884

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

Linear Fit: Amount = 2.921e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:26:47
Channel : A
Peak : CLET

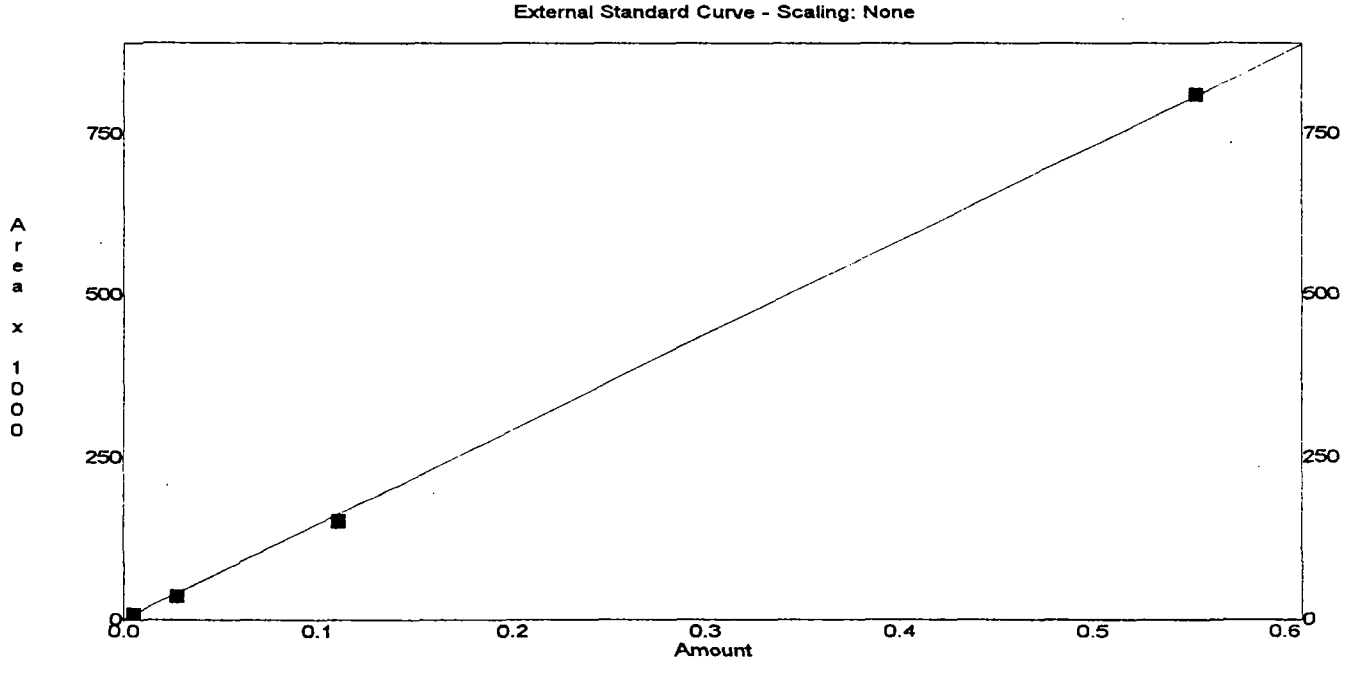
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	7605	0.00554	7.285e-007	7605					
2	35180	0.0277	7.874e-007	35180					
3	150354	0.111	7.383e-007	150354					
4	811555	0.554	6.826e-007	811555					

Average RF: 7.342e-007
RF StdDev: 4.29556e-008
RF %RSD: 5.85067

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

Linear Fit: Amount = 6.847e-007 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:26:56
Channel : A
Peak : F11

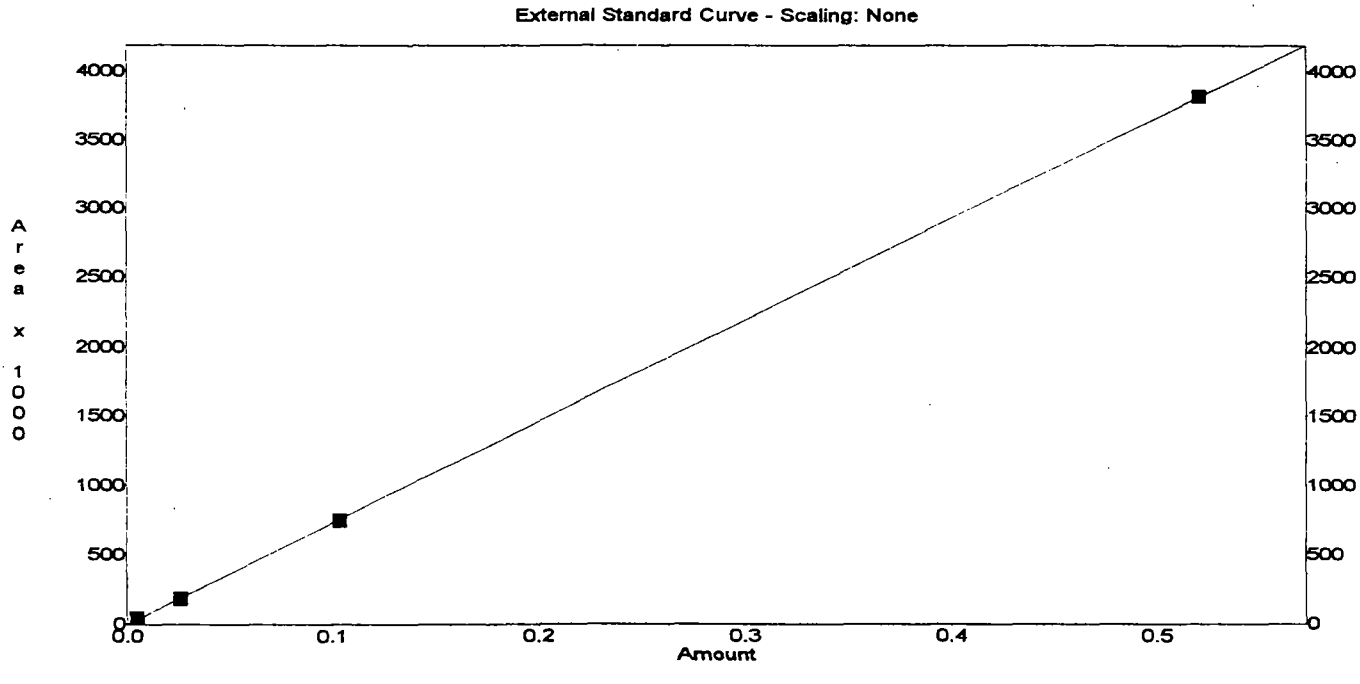
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	40371	0.00521	1.291e-007	40371					
2	178373	0.0261	1.463e-007	178373					
3	746536	0.104	1.393e-007	746536					
4	3817420	0.521	1.365e-007	3817420					

Average RF: 1.37791e-007
RF StdDev: 7.14571e-009
RF %RSD: 5.18589

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

Linear Fit: Amount = 1.366e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:28:31
Channel : A
Peak : DCM

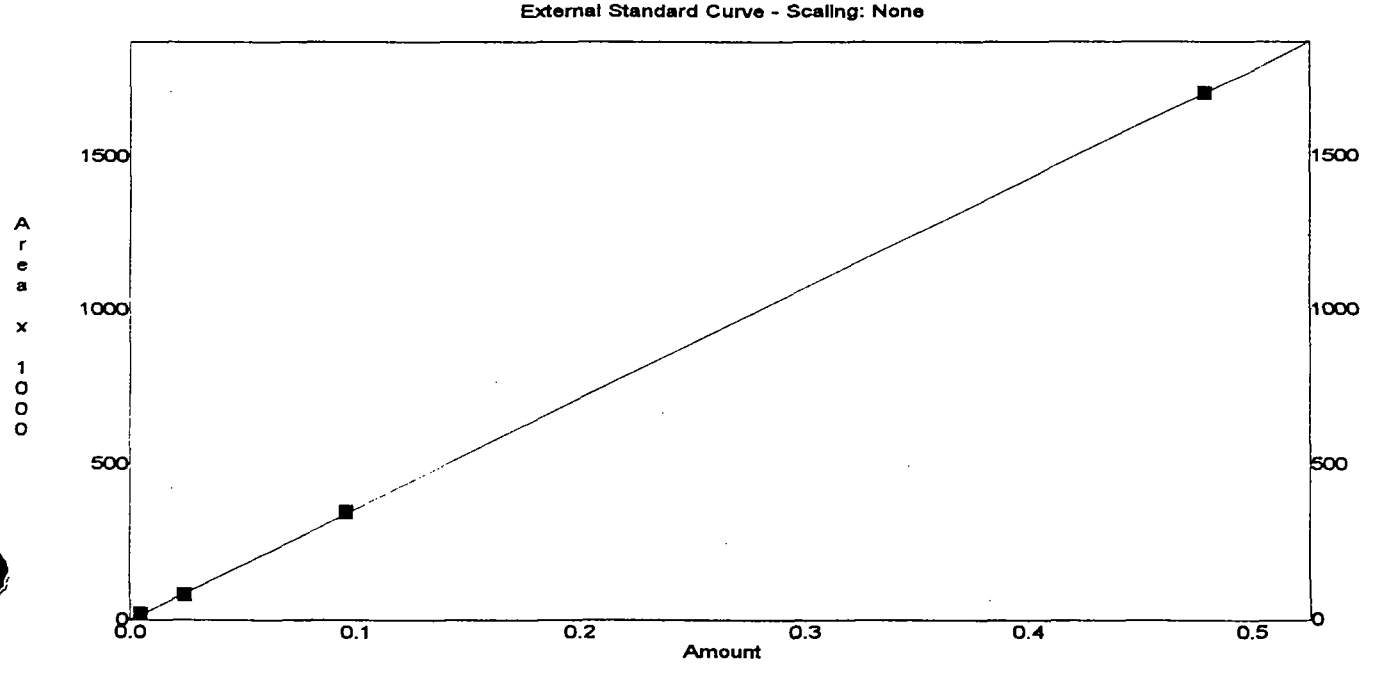
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	17039	0.00479	2.811e-007	17039					
2	80695	0.024	2.974e-007	80695					
3	347788	0.096	2.76e-007	347788					
4	1710581	0.479	2.8e-007	1710581					

Average RF: 2.83647e-007
RF StdDev: 9.43656e-009
RF %RSD: 3.32687

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

Linear Fit: Amount = 2.799e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:28:41
Channel : A
:ak : DCE12T

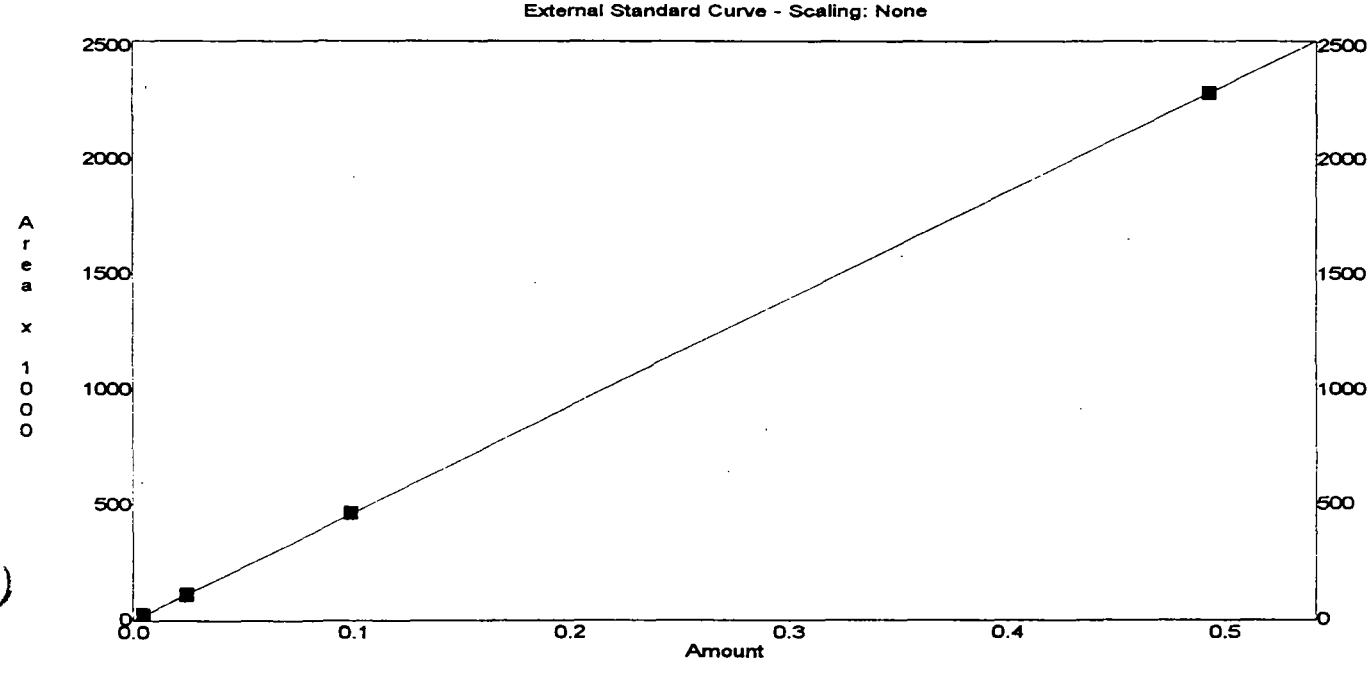
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	22517	0.00493	2.189e-007	22517					
2	110214	0.0246	2.232e-007	110214					
3	462039	0.099	2.143e-007	462039					
4	2293730	0.493	2.149e-007	2293730					

Average RF: 2.17838e-007
RF StdDev: 4.13084e-009
RF %RSD: 1.89629

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

Linear Fit: Amount = 2.149e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:28:51
Channel : A
Peak : DCA11

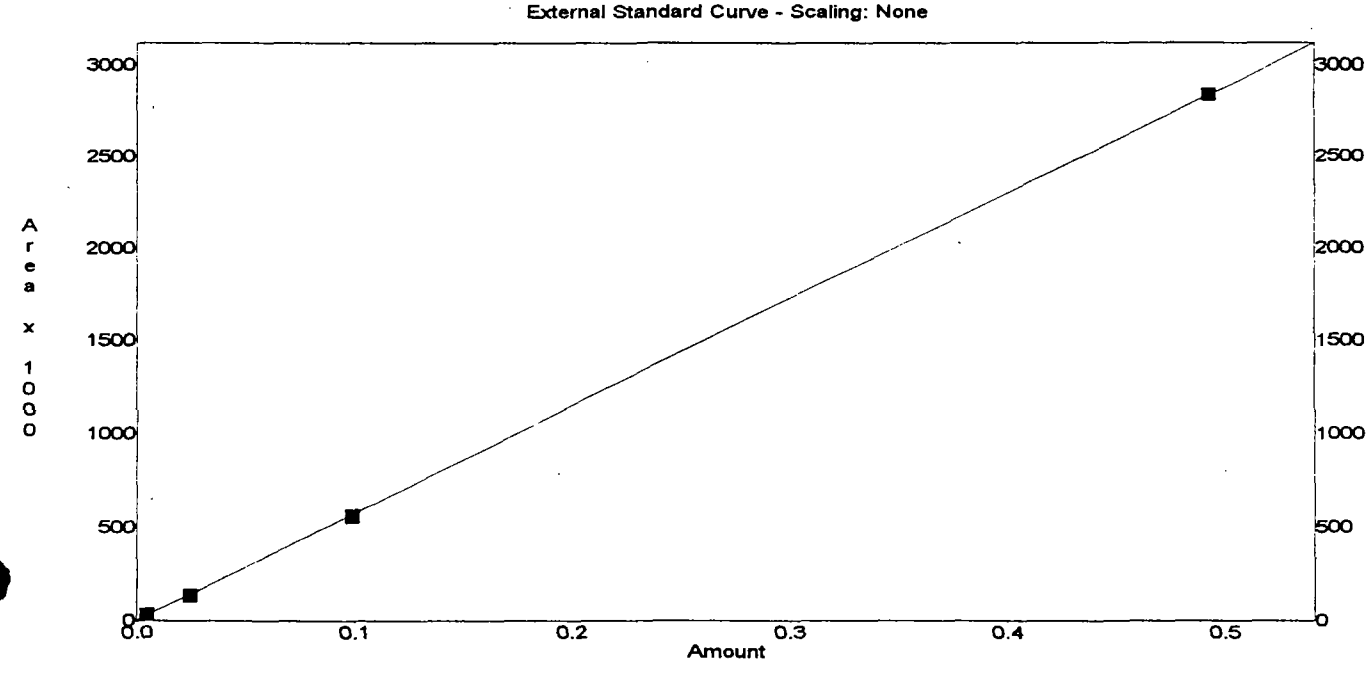
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	29290	0.00493	1.683e-007	29290					
2	131757	0.0247	1.875e-007	131757					
3	557085	0.099	1.777e-007	557085					
4	2834148	0.493	1.739e-007	2834148					

Average RF: 1.76861e-007
RF StdDev: 8.05572e-009
RF %RSD: 4.55483

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

Linear Fit: Amount = 1.741e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:29:03
Channel : A
Peak : DCE12C

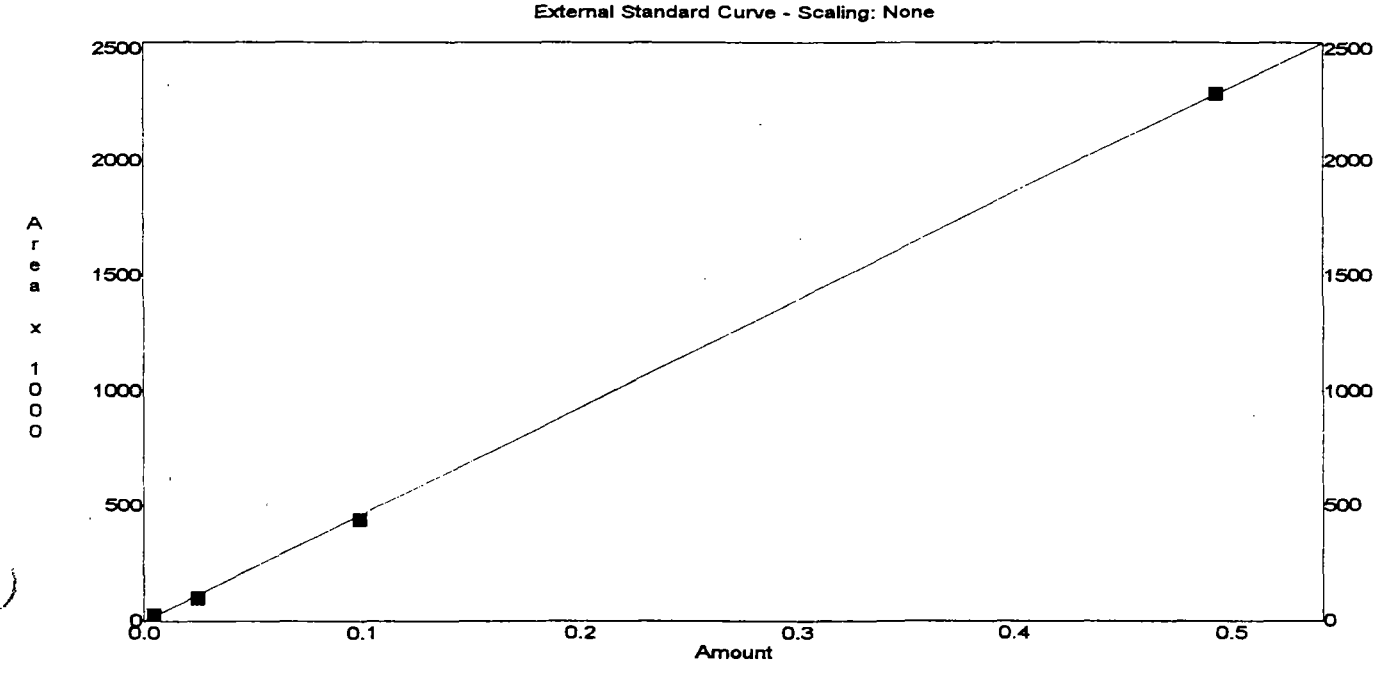
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	22564	0.00493	2.185e-007	22564					
2	97396	0.0246	2.526e-007	97396					
3	439286	0.099	2.254e-007	439286					
4	2301499	0.493	2.142e-007	2301499					

Average RF: 2.27661e-007
RF StdDev: 1.72344e-008
RF %RSD: 7.57017

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

Linear Fit: Amount = 2.147e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:33:08
Channel : A
Peak : CLFM

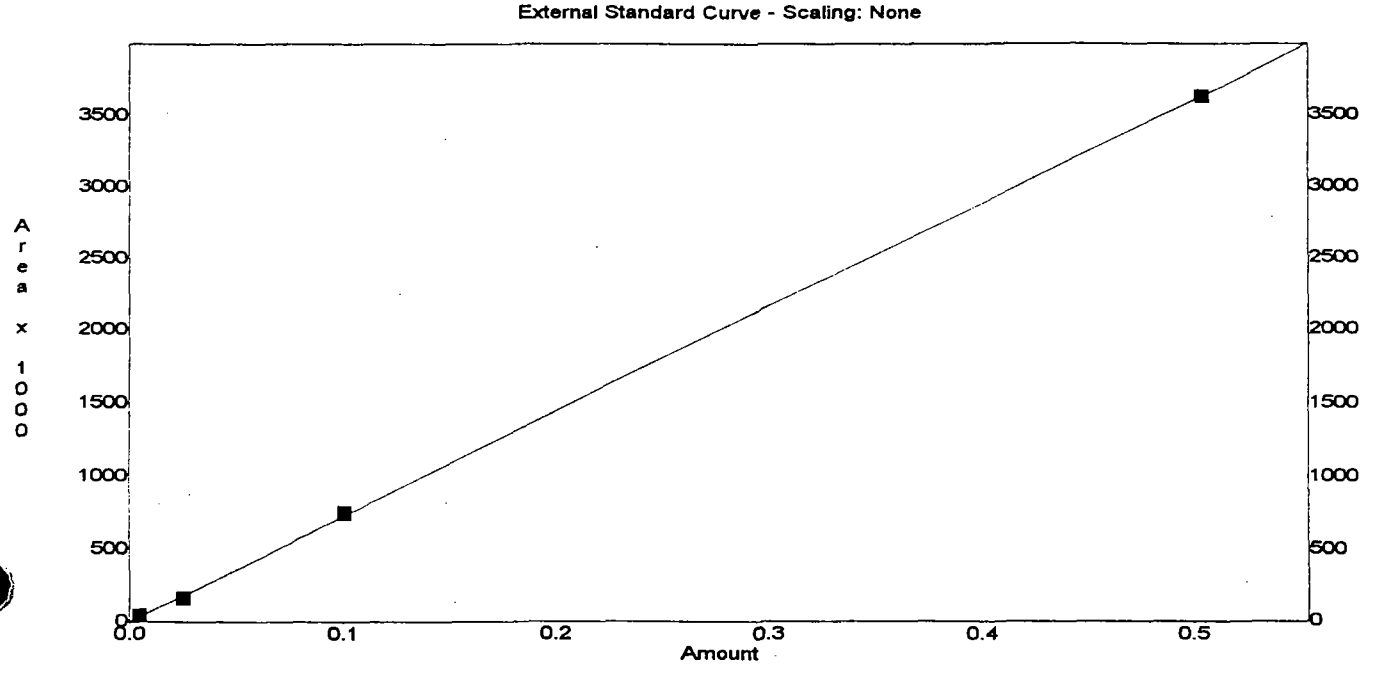
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	35444	0.00504	1.422e-007	35444					
2	158606	0.0252	1.589e-007	158606					
3	740803	0.101	1.363e-007	740803					
4	3629045	0.504	1.389e-007	3629045					

Average RF: 1.44075e-007
RF StdDev: 1.01602e-008
RF %RSD: 7.05204

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

Linear Fit: Amount = 1.388e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:33:16
Channel : A
Peak : TCA111

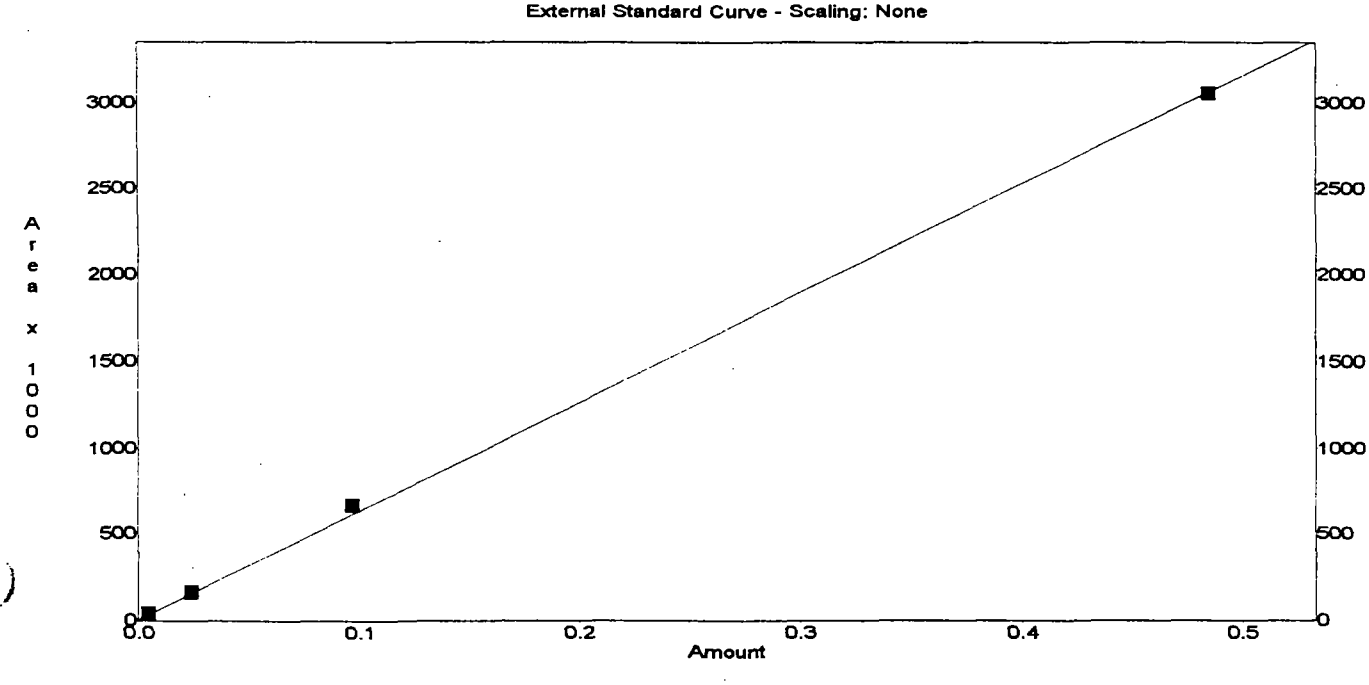
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	38216	0.00485	1.269e-007	38216					
2	162587	0.0242	1.488e-007	162587					
3	666916	0.097	1.454e-007	666916					
4	3055673	0.485	1.587e-007	3055673					

Average RF: 1.4498e-007
RF StdDev: 1.3298e-008
RF %RSD: 9.17229

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

Linear Fit: Amount = 1.581e-007 x Area + 0.000e+000
R^2 = 0.9995



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:33:26
Channel : A
Peak : CBTC

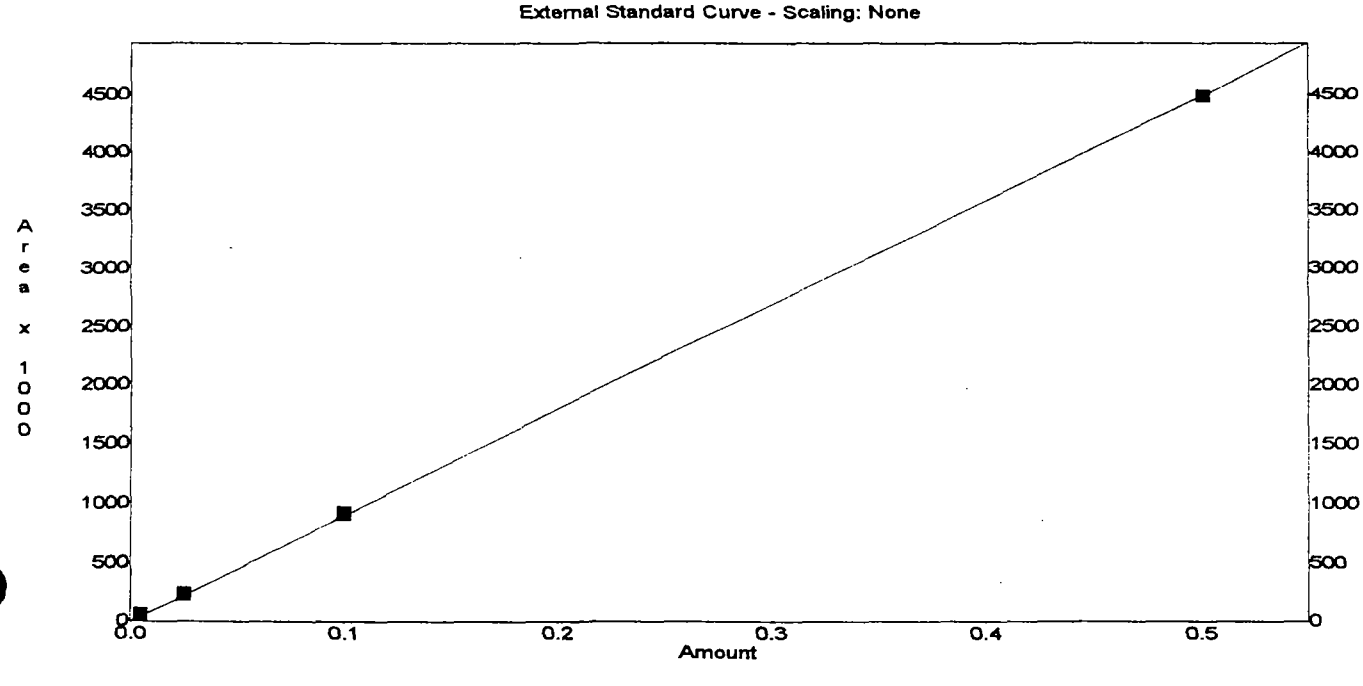
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	56174	0.00501	8.919e-008	56174					
2	232734	0.0251	1.078e-007	232734					
3	909042	0.1	1.1e-007	909042					
4	4487294	0.501	1.116e-007	4487294					

Average RF: 1.04672e-007
RF StdDev: 1.04405e-008
RF %RSD: 9.97449

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

Linear Fit: Amount = 1.116e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:33:40
Channel : A
Peak : DCA12

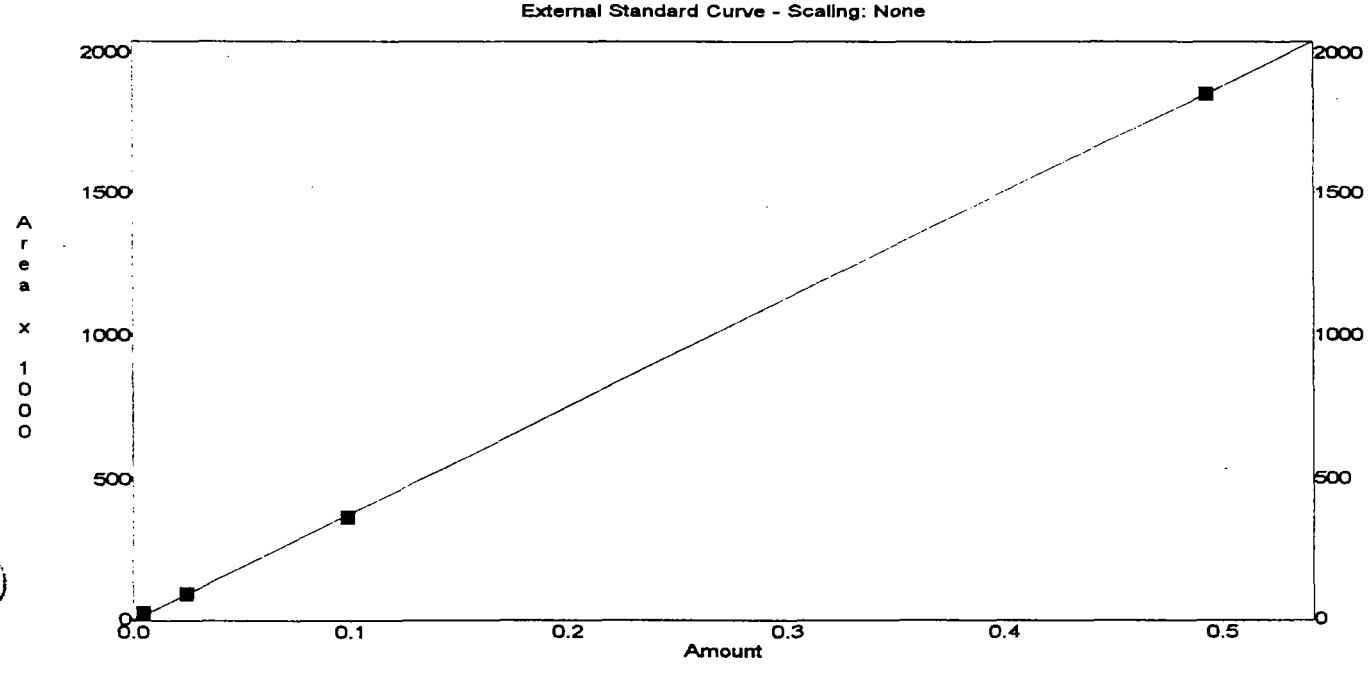
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	24903	0.00493	1.98e-007	24903					
2	93853	0.0247	2.632e-007	93853					
3	363438	0.099	2.724e-007	363438					
4	1855260	0.493	2.657e-007	1855260					

Average RF: 2.49818e-007
RF StdDev: 3.47865e-008
RF %RSD: 13.9248

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

Linear Fit: Amount = 2.660e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:33:53
Channel : A
Peak : TCE

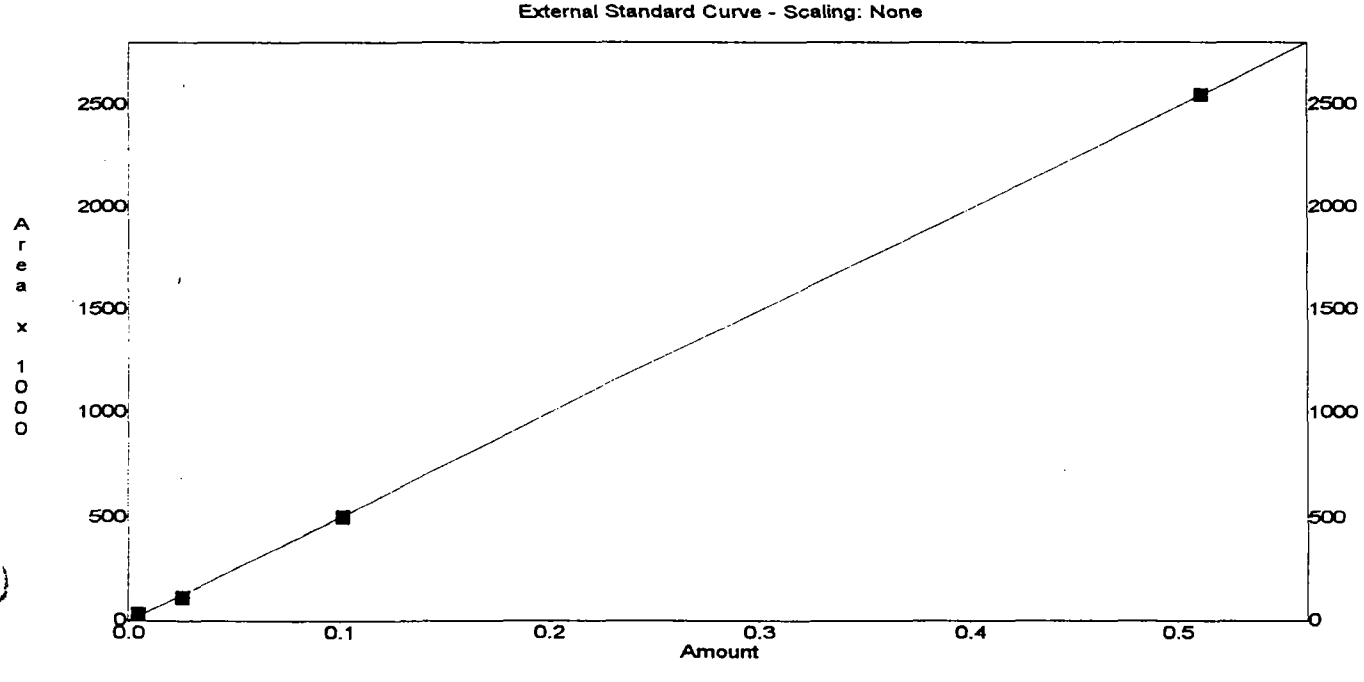
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	29790	0.00512	1.719e-007	29790					
2	111784	0.0256	2.29e-007	111784					
3	498630	0.102	2.046e-007	498630					
4	2548004	0.512	2.009e-007	2548004					

Average RF: 2.01596e-007
RF StdDev: 2.34146e-008
RF %RSD: 11.6146

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

Linear Fit: Amount = 2.011e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:34:10
Channel : A
Peak : TCA112

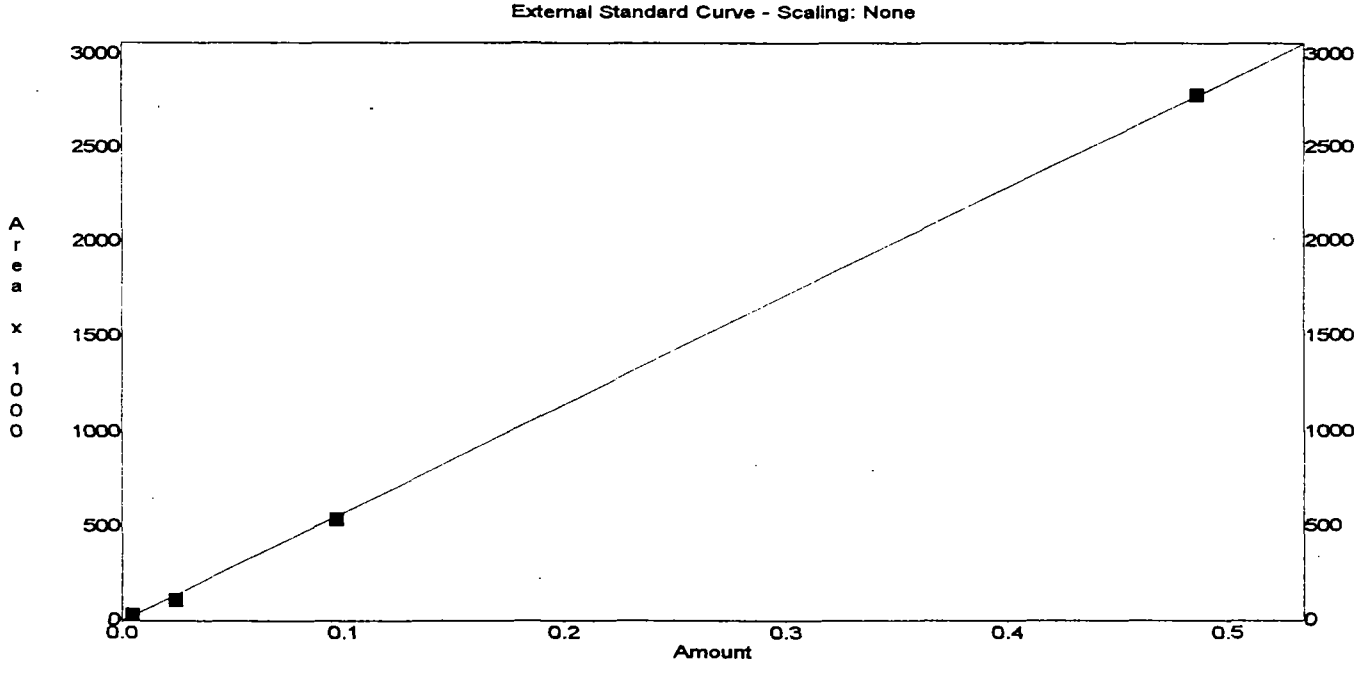
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	27503	0.00486	1.767e-007	27503					
2	107568	0.0243	2.259e-007	107568					
3	532956	0.097	1.82e-007	532956					
4	2780224	0.486	1.748e-007	2780224					

Average RF: 1.89855e-007
RF StdDev: 2.42241e-008
RF %RSD: 12.7592

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

Linear Fit: Amount = 1.751e-007 x Area + 0.000e+000
R^2 = 0.9997



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:34:21
Channel : A
Peak : PCE

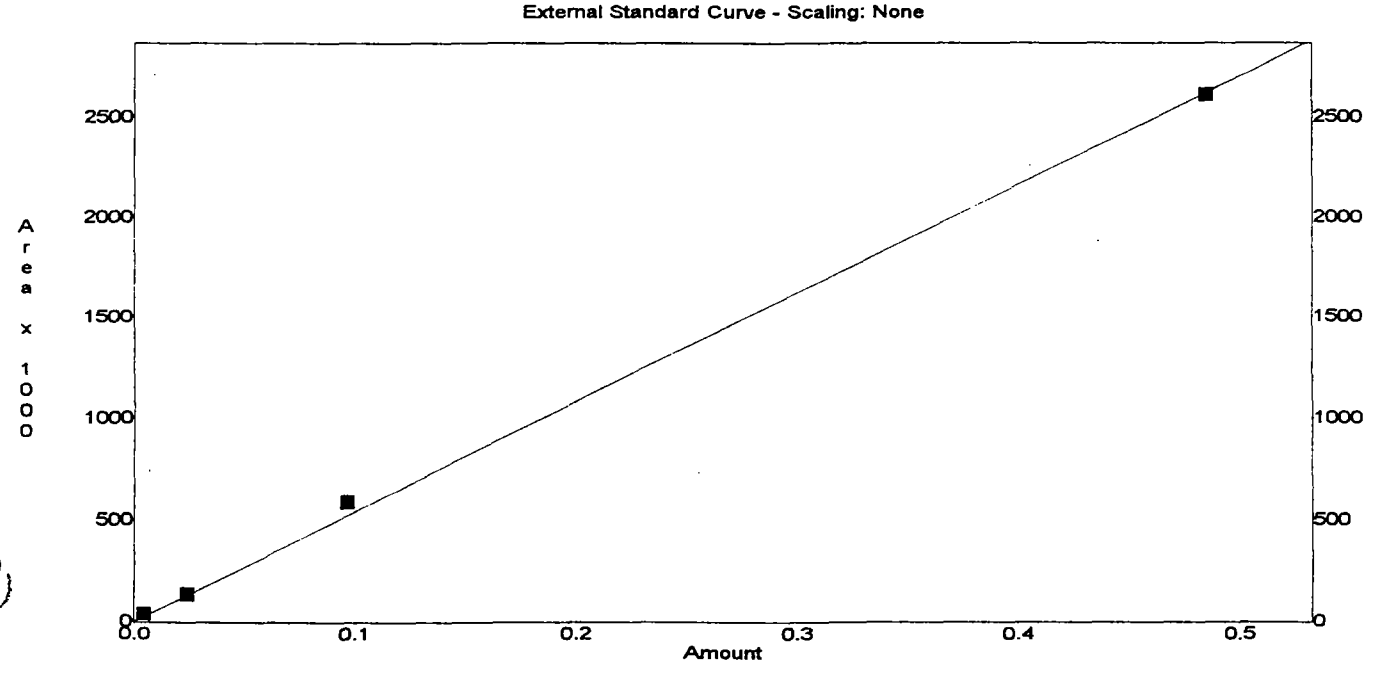
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	40033	0.00485	1.211e-007	40033					
2	137816	0.0243	1.763e-007	137816					
3	586610	0.097	1.654e-007	586610					
4	2610723	0.485	1.858e-007	2610723					

Average RF: 1.6215e-007
RF StdDev: 2.85788e-008
RF %RSD: 17.6249

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

Linear Fit: Amount = 1.848e-007 x Area + 0.000e+000
R^2 = 0.9990



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:34:41
Channel : A
Peak : PCA1112

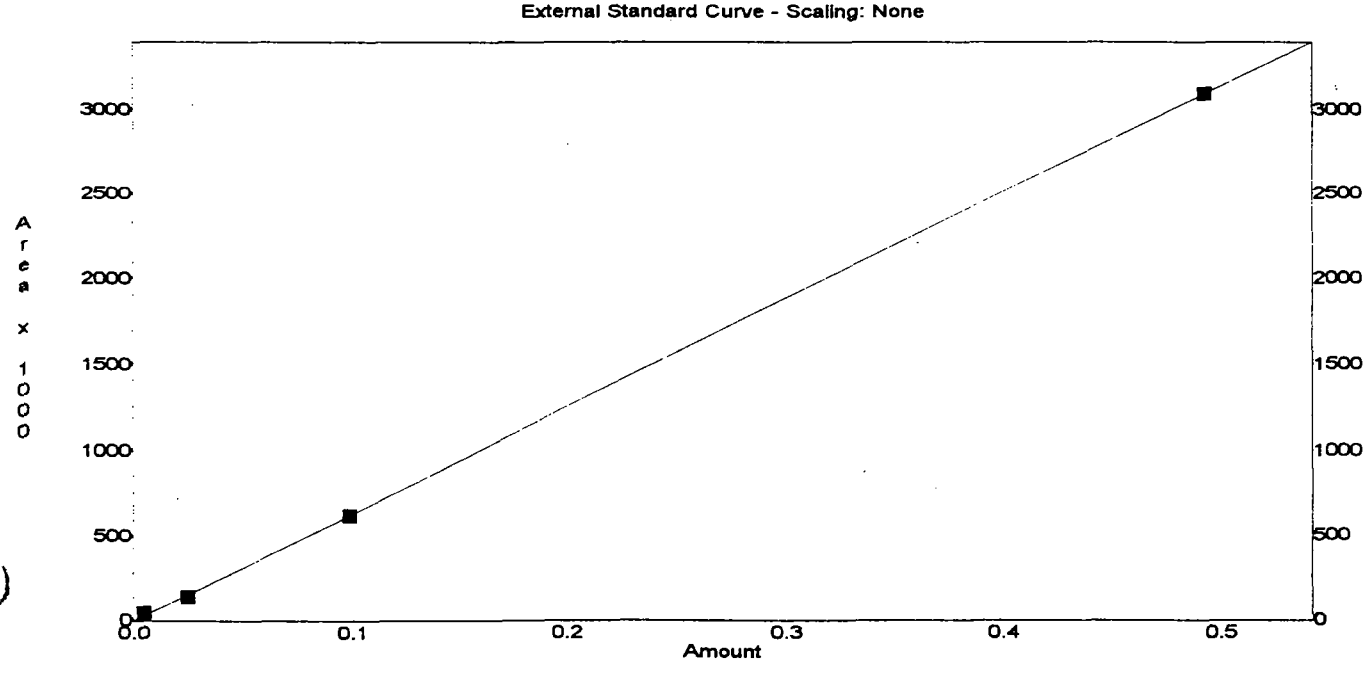
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	42732	0.00493	1.154e-007	42732					
2	136683	0.0247	1.807e-007	136683					
3	615423	0.099	1.609e-007	615423					
4	3095976	0.493	1.592e-007	3095976					

Average RF: 1.54046e-007
RF StdDev: 2.75697e-008
RF %RSD: 17.897

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

Linear Fit: Amount = 1.593e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:34:52
Channel : A
Peak : PCA1122

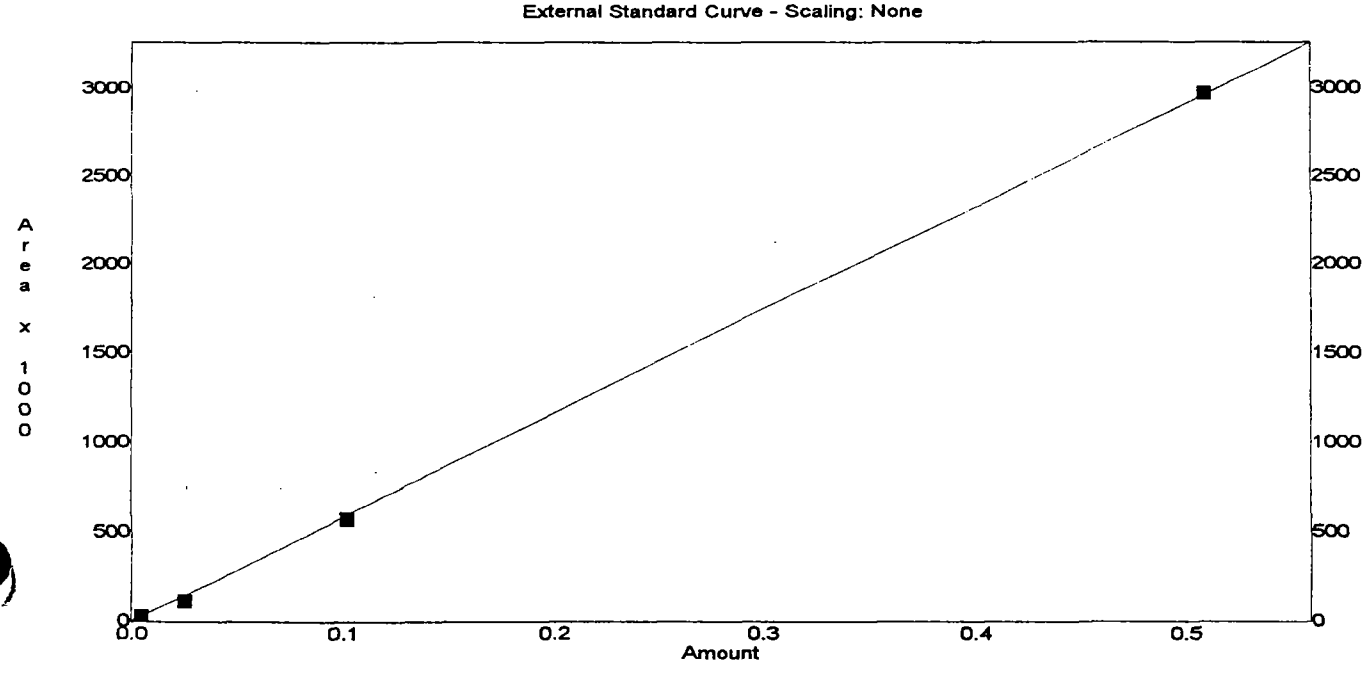
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	27492	0.00509	1.851e-007	27492					
2	114293	0.0254	2.222e-007	114293					
3	568117	0.102	1.795e-007	568117					
4	2965401	0.509	1.716e-007	2965401					

Average RF: 1.89642e-007
RF StdDev: 2.24242e-008
RF %RSD: 11.8245

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

Linear Fit: Amount = 1.720e-007 x Area + 0.000e+000
R^2 = 0.9997



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:35:19
Channel : B
Peak : DCE11

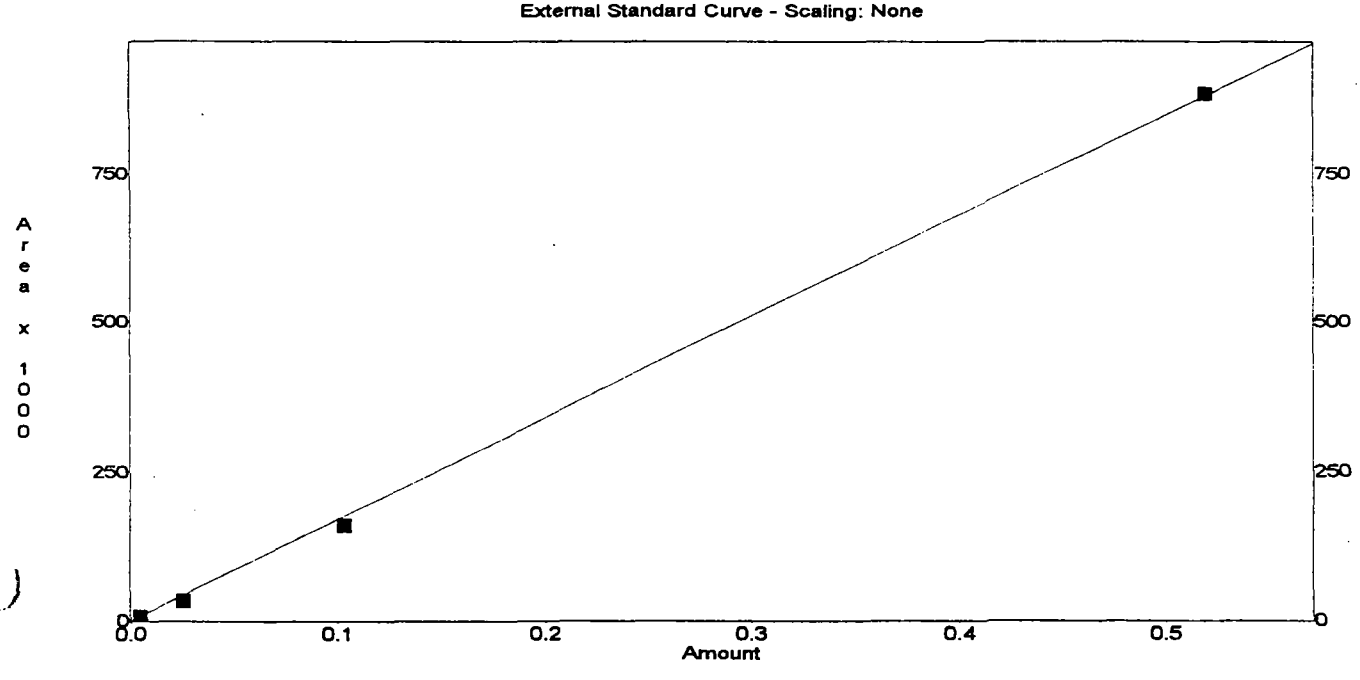
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	6926	0.0052	7.508e-007	6926					
2	33487	0.026	7.764e-007	33487					
3	159078	0.104	6.538e-007	159078					
4	887204	0.52	5.861e-007	887204					

Average RF: 6.91779e-007
RF StdDev: 8.80524e-008
RF %RSD: 12.7284

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

Linear Fit: Amount = 5.885e-007 x Area + 0.000e+000
R^2 = 0.9991



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

Printed : Nov 14, 1995 12:38:18

Channel : B

Peak : TOL

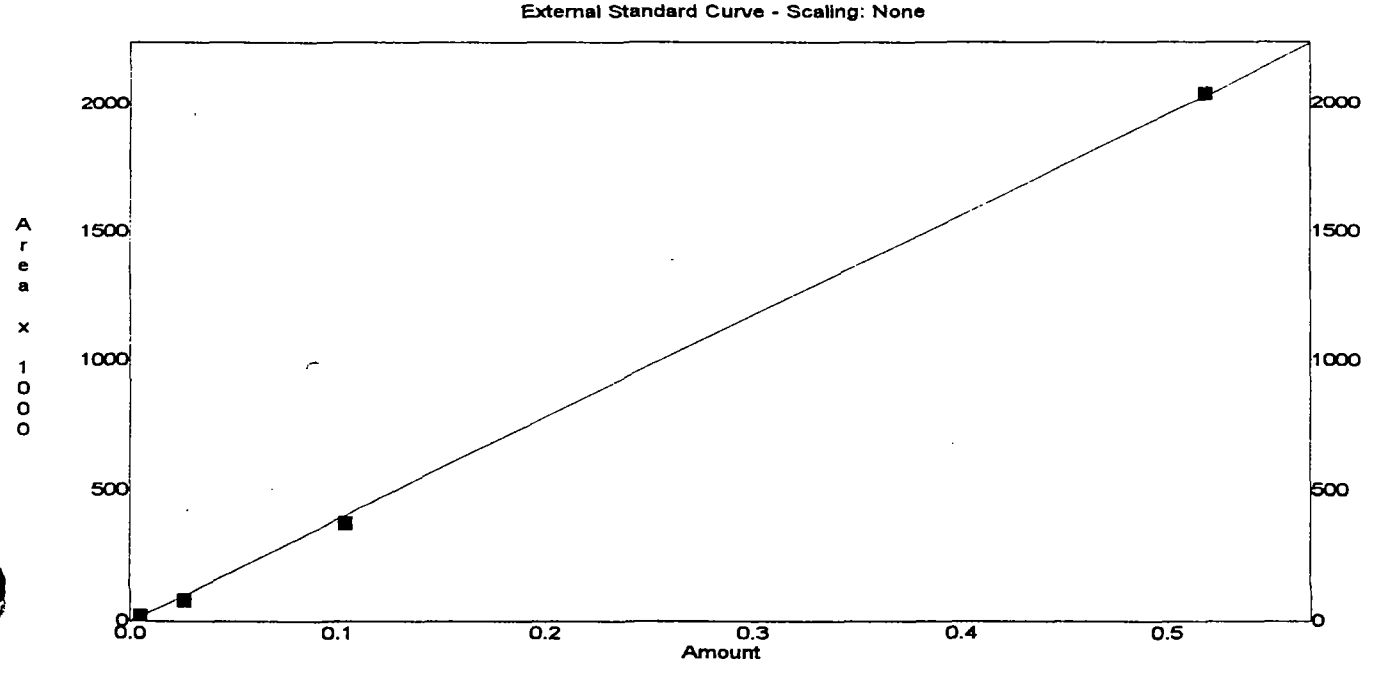
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	19128	0.00519	2.713e-007	19128					
2	79794	0.026	3.258e-007	79794					
3	373752	0.104	2.783e-007	373752					
4	2036185	0.519	2.549e-007	2036185					

Average RF: 2.82578e-007
RF StdDev: 3.04602e-008
RF %RSD: 10.7794

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

Linear Fit: Amount = 2.558e-007 x Area + 0.000e+000
R^2 = 0.9994



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:38:33
Channel : B
Peak : EB

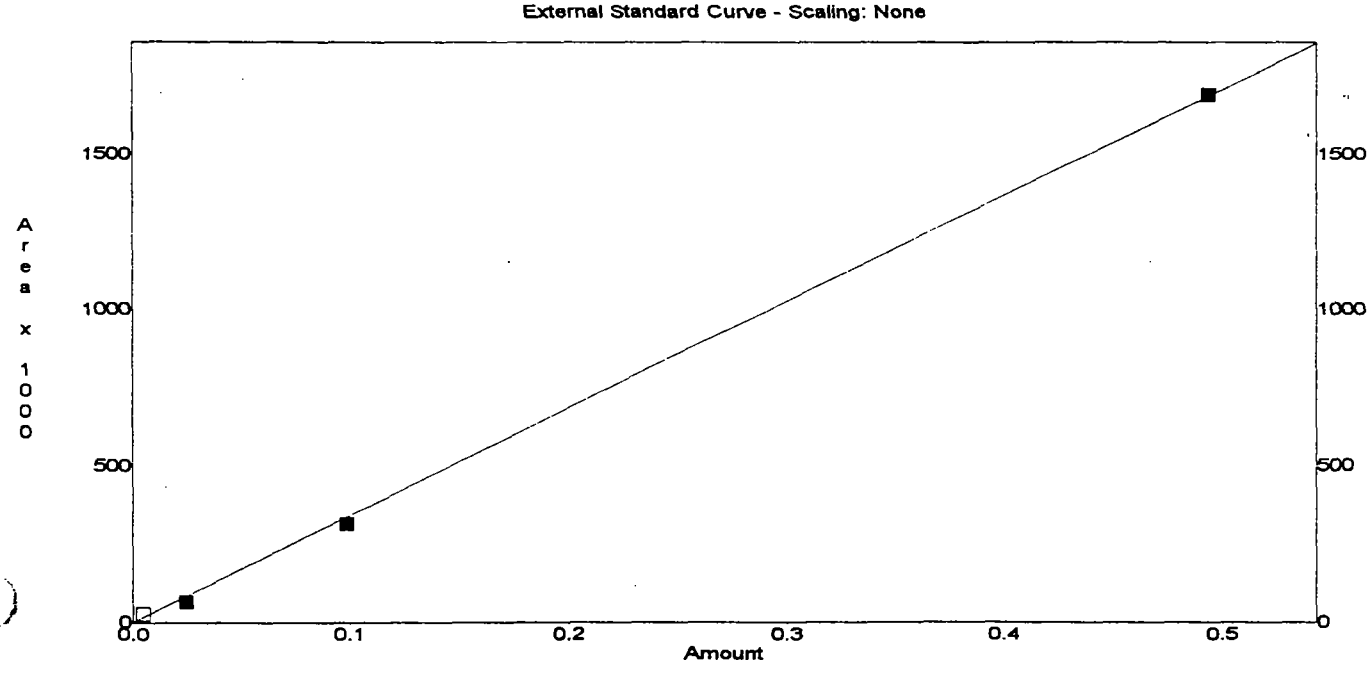
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	25066	0.00494	1.971e-007	25066*					
2	64517	0.0247	3.828e-007	64517					
3	314535	0.099	3.148e-007	314535					
4	1692567	0.494	2.919e-007	1692567					

Average RF: 3.2982e-007
RF StdDev: 4.73264e-008
RF %RSD: 14.3491

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

Linear Fit: Amount = 2.928e-007 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:39:03
Channel : B
Peak : XYLMP

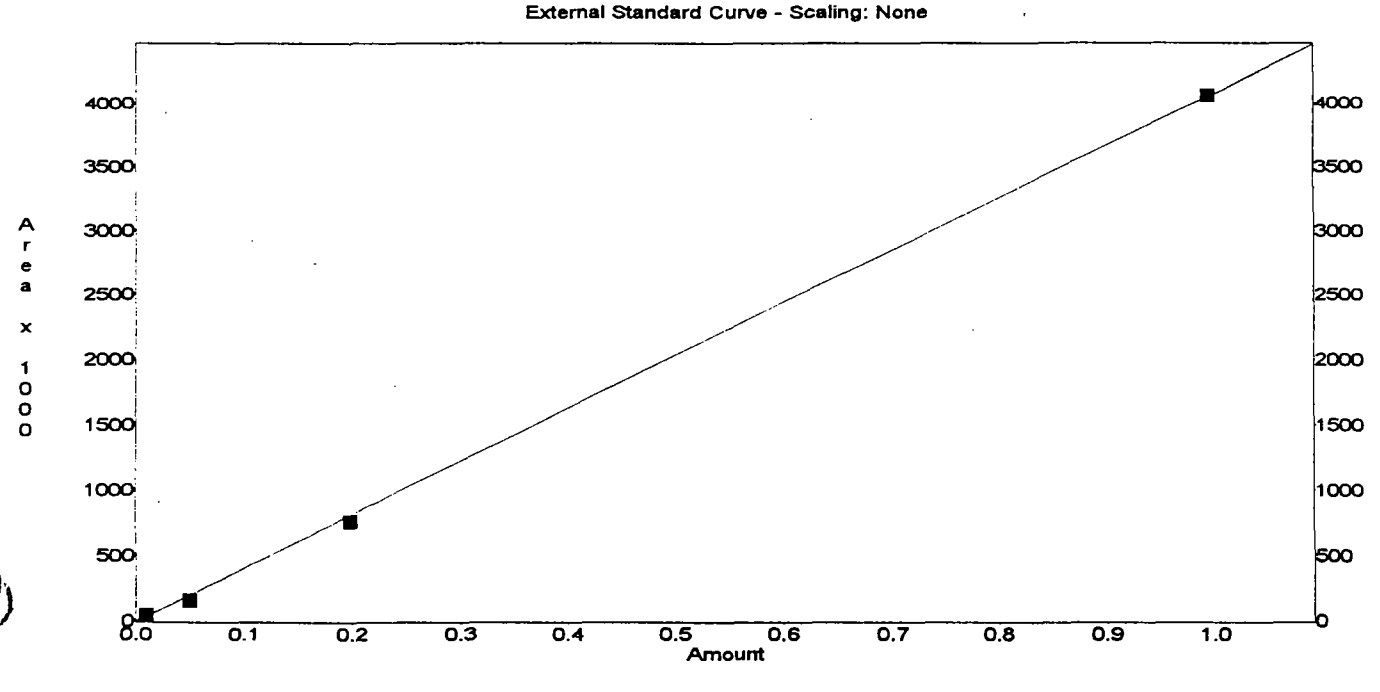
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	46301	0.00994	2.147e-007	46301					
2	160488	0.0497	3.097e-007	160488					
3	759890	0.199	2.619e-007	759890					
4	4066778	0.994	2.444e-007	4066778					

Average RF: 2.57666e-007
RF StdDev: 3.97757e-008
RF %RSD: 15.4369

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

Linear Fit: Amount = 2.451e-007 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:39:18
Channel : B
Peak : XYLO

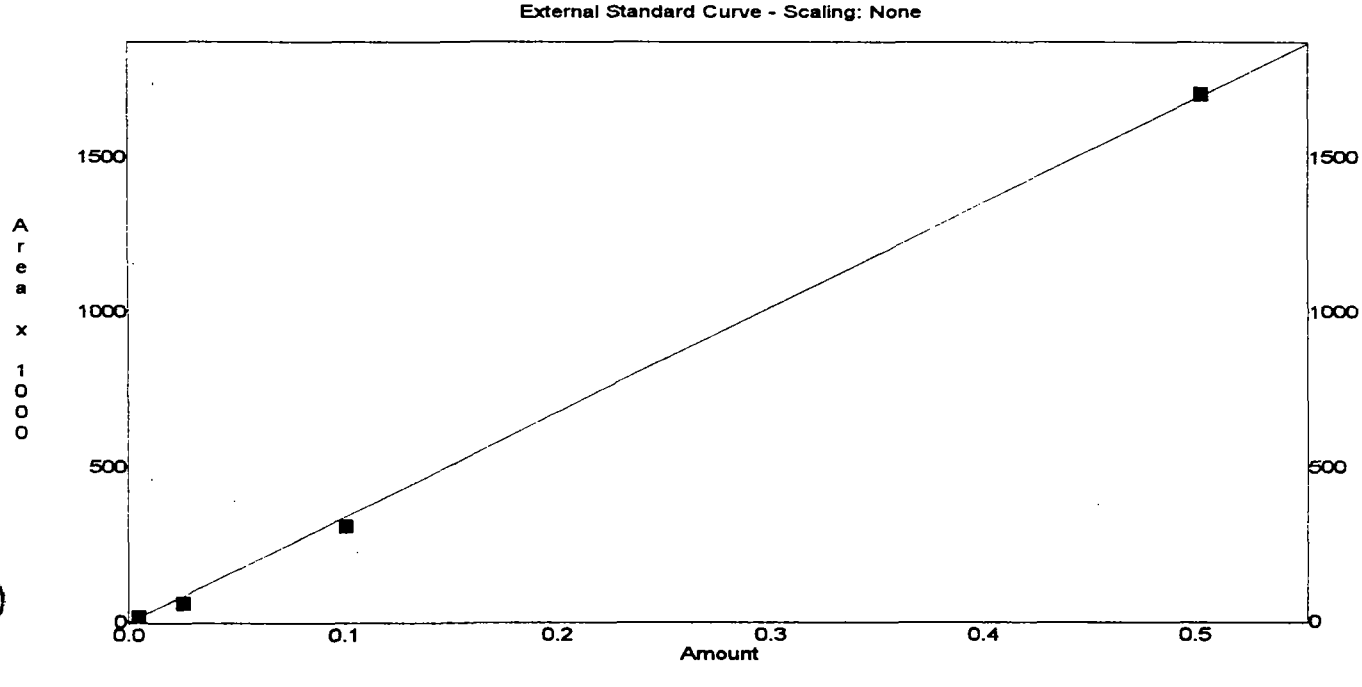
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	18277	0.00503	2.752e-007	18277					
2	62338	0.0251	4.026e-007	62338					
3	308381	0.101	3.275e-007	308381					
4	1707324	0.503	2.946e-007	1707324					

Average RF: 3.24996e-007
RF StdDev: 5.60891e-008
RF %RSD: 17.2584

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

Linear Fit: Amount = 2.958e-007 x Area + 0.000e+000
R^2 = 0.9991



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 14, 1995 12:39:53
Channel : C
Peak : F113

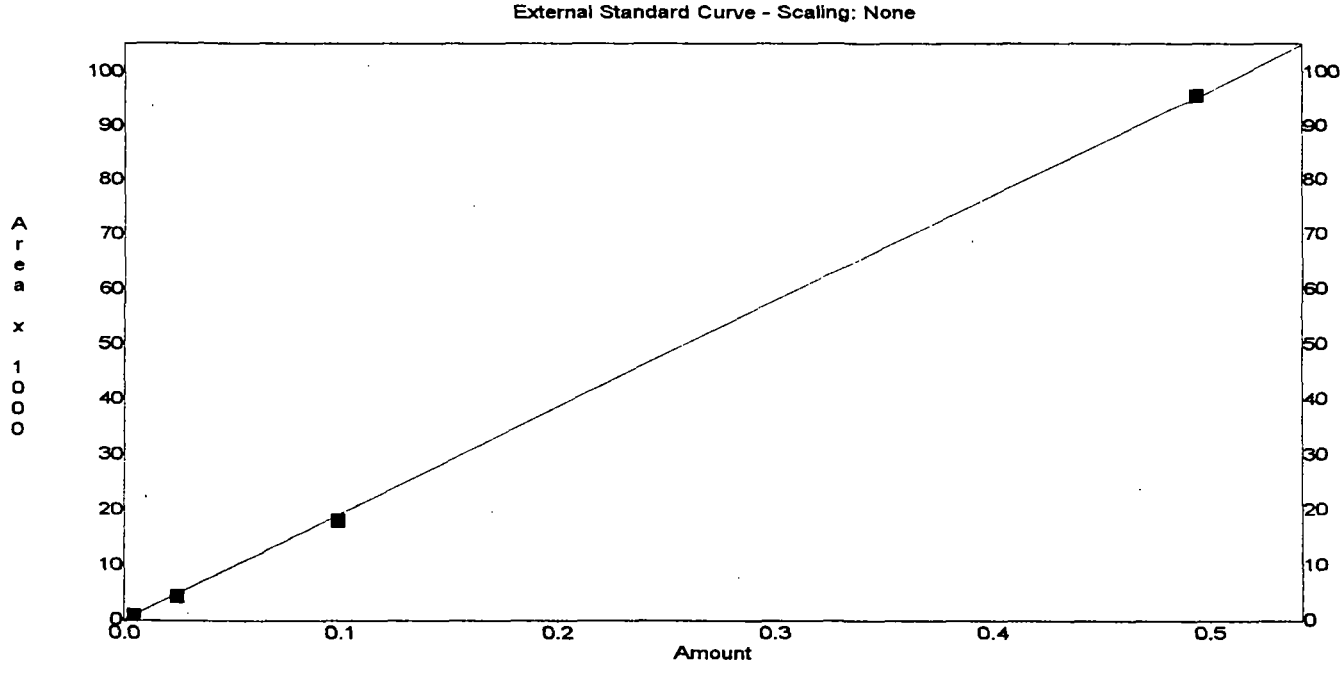
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	928	0.00494	5.325e-006	928					
2	4222	0.0247	5.85e-006	4222					
3	18039	0.099	5.488e-006	18039					
4	95626	0.494	5.166e-006	95626					

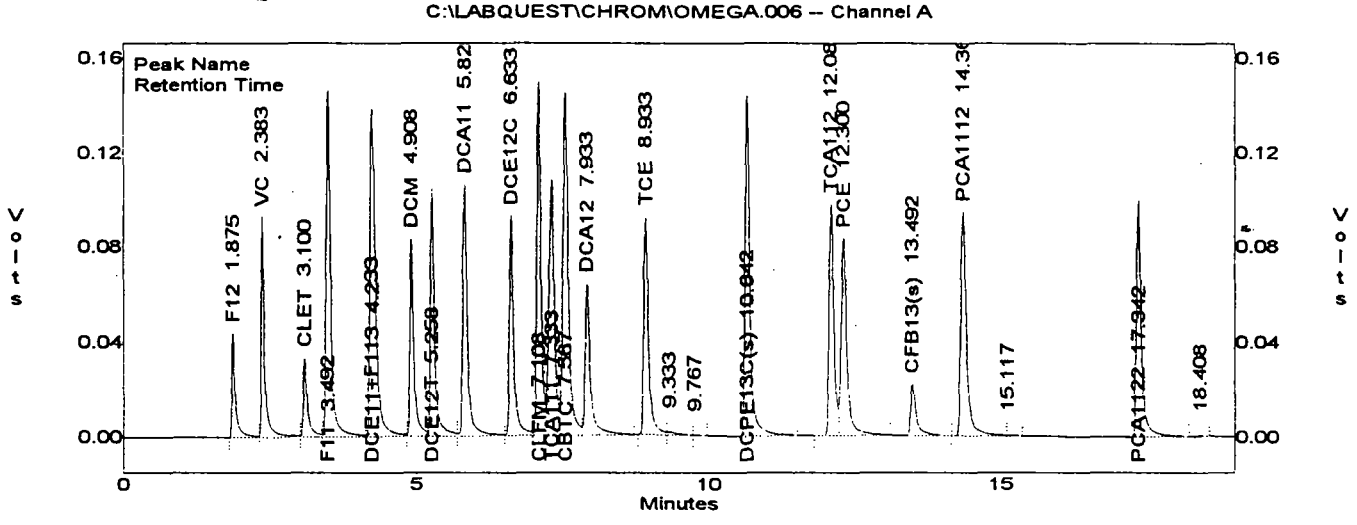
Average RF: 5.45708e-006
RF StdDev: 2.92889e-007
RF %RSD: 5.36714

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

Linear Fit: Amount = 5.178e-006 x Area + 0.000e+000
R^2 = 0.9997



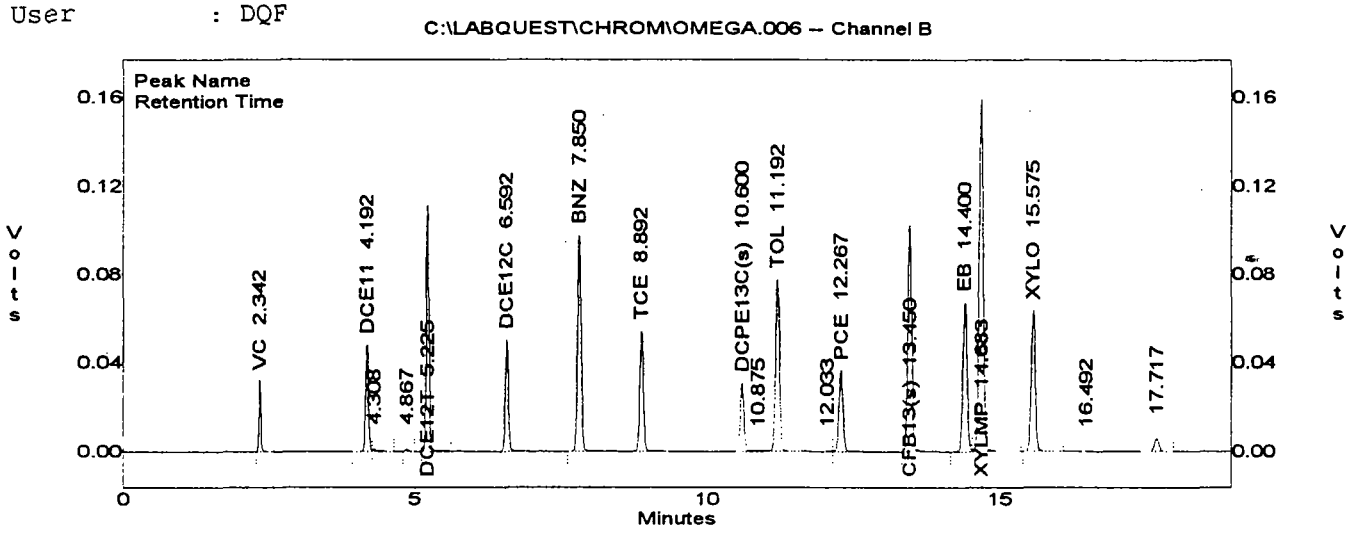
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.006
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114AM
Acquired : Nov 14, 1995 11:38:50
Printed : Nov 14, 1995 11:58:14
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.875	188705	443.124	0
2	VC	2.383	384288	561.299	0
3	CLET	3.100	164093	561.754	0
4	F11	3.492	799572	546.122	0
5	DCE11+F113	4.233	926556	1172.278	0
6	DCM	4.908	394888	552.649	0
7	DCE12T	5.258	521874	560.823	0
8	DCA11	5.825	604425	526.204	0
9	DCE12C	6.633	481896	517.235	0
10	CLFM	7.108	758919	526.747	0
11	TCA111	7.333	687373	543.327	0
12	CBTC	7.567	939014	523.833	0
13	DCA12	7.933	408619	543.379	0
14	TCE	8.933	525966	528.919	0
15		9.333	19467	0.000	0
16		9.767	1846	0.000	0
17	DCPE13C(s)	10.642	842126	5352.702	0
18	TCA112	12.083	563035	493.035	0
19	PCE	12.300	586857	542.123	0
20	CFB13(s)	13.492	154216	5664.729	0
21	PCA1112	14.367	652265	519.636	0
22		15.117	1611	0.000	0
23	PCA1122	17.342	583071	501.438	0
24		18.408	2331	0.000	0
Totals :			11193023	21181.357	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.006
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114AM
Acquired : Nov 14, 1995 11:38:50
Printed : Nov 14, 1995 11:58:19
User : DQF



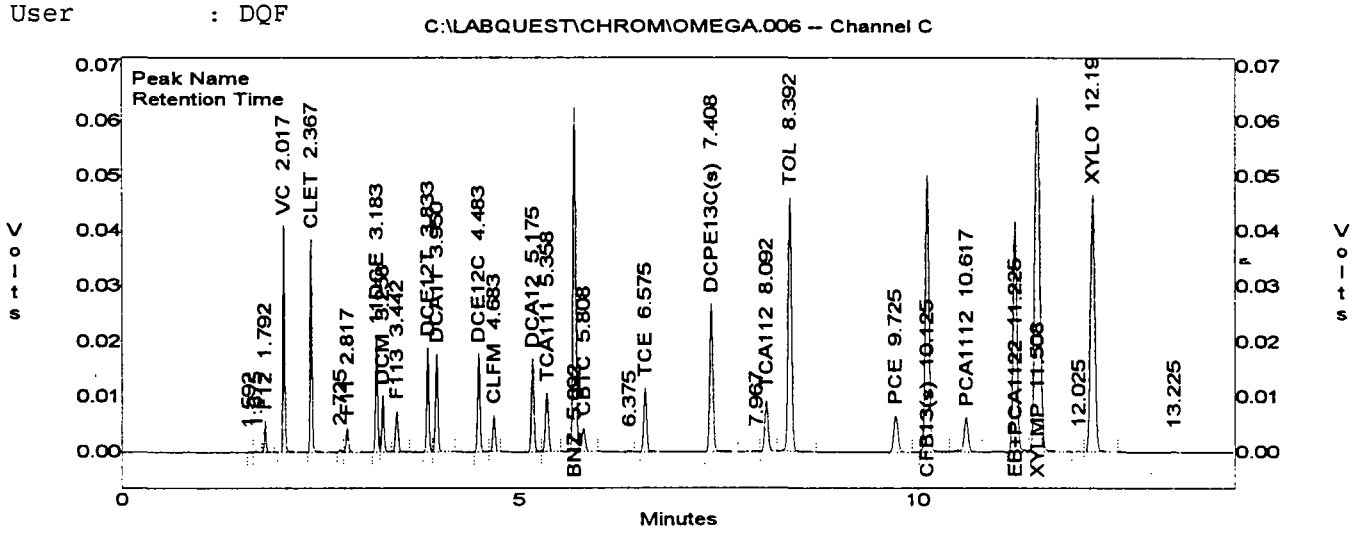
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.342	70896	478.858	0
2	DCE11	4.192	164810	484.945	0
3		4.308	5268	0.000	0
4		4.867	3348	0.000	0
5	DCE12T	5.225	354062	464.765	0
6	DCE12C	6.592	185559	458.954	0
7	BNZ	7.850	420900	495.469	0
8	TCE	8.892	231141	481.259	0
9	DCPE13C(s)	10.600	132828	5247.519	0
10		10.875	2936	0.000	0
11	TOL	11.192	363342	464.635	0
12		12.033	484	0.000	0
13	PCE	12.267	177118	455.541	0
14	CFB13(s)	13.450	482567	5291.053	0
15	EB	14.400	336268	492.222	0
16	XYLMP	14.683	803714	984.960	0
17	XYLO	15.575	316839	468.587	0
18		16.492	614	0.000	0
19		17.717	34429	0.000	0

Totals :

4087131 16268.767

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.006
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114AM
Acquired : Nov 14, 1995 11:38:50
Printed : Nov 14, 1995 11:58:24
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.592	308	0.000	0
2		1.675	754	0.000	0
3	F12	1.792	8101	464.401	0
4	VC	2.017	62482	500.106	0
5	CLET	2.367	62058	529.614	0
6		2.725	1148	0.000	0
7	F11	2.817	9436	494.988	0
8	11DCE	3.183	39975	542.656	0
9	DCM	3.258	20197	236.417	0
10	F113	3.442	18651	482.910	0
11	DCE12T	3.833	37396	471.416	0
12	DCA11	3.950	39580	484.349	0
13	DCE12C	4.483	38116	470.846	0
14	CLFM	4.683	14797	472.013	0
15	DCA12	5.175	38024	471.017	0
16	TCA111	5.358	29264	472.026	0
17	BNZ	5.692	151956	500.486	0
18	CBTC	5.808	12550	482.922	0
19		6.375	618	0.000	0
20	TCE	6.575	30103	486.806	0
21	DCPE13C(s)	7.408	74303	5270.839	0
22		7.967	272	0.000	0
23	TCA112	8.092	27202	452.417	0
24	TOL	8.392	141640	473.483	0
25	PCE	9.725	22617	460.368	0
26	CFB13(s)	10.125	165752	5351.613	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.006
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114AM
[illegible]red : Nov 14, 1995 11:38:50
[illegible]inted : Nov 14, 1995 11:58:26
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	PCA1112	10.617	24539	508.421	0
28	EB+PCA1122	11.225	146805	1015.092	0
29	XYLMP	11.508	293740	996.465	0
30		12.025	517	0.000	0
31	XYLO	12.192	167152	493.214	0
32		13.225	488	0.000	0

Totals :

1680556 22584.887

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: FB14NOV95	Probe Depth (ft): NA
Time Sampled: 9:10	Sampled by: WM
Date Sampled: 11.14.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: -	Ground Surface: -
Air Temp. (F): -	Wind dir/speed: -

Sample Parameters

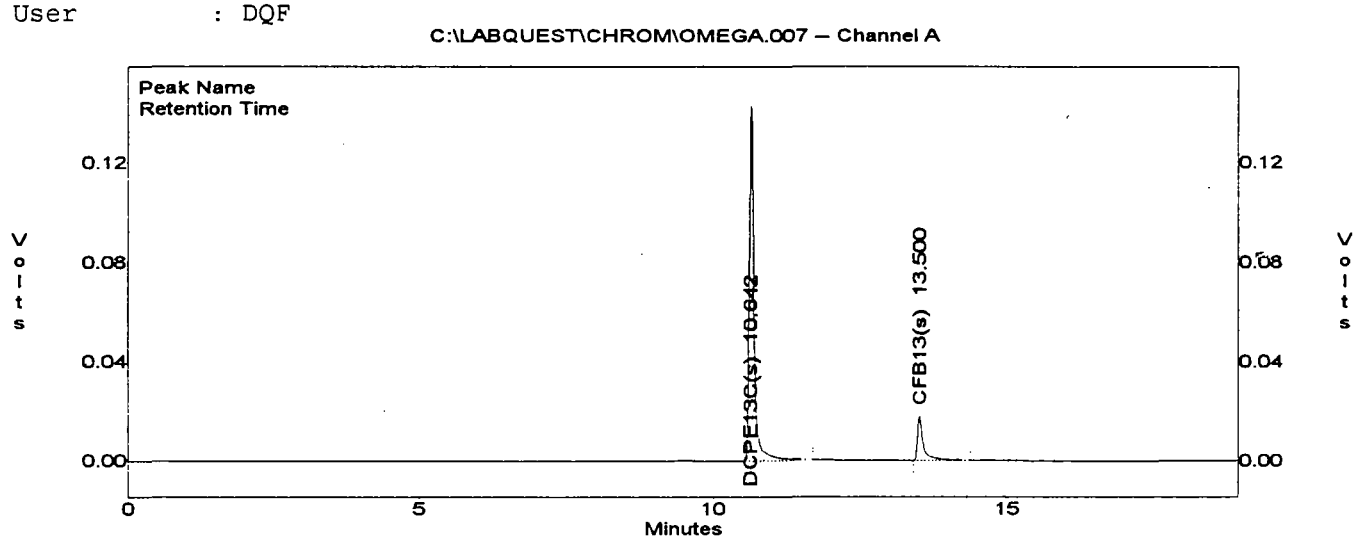
Probe Volume (ml): -	Max. Purge Vacuum (in. Hg): -
Purge Volume (liters): 5 L	Equilibrium Time: -
Purge Time (min.): 1 min.	Sample Volume (ml): 10 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 9:15	Time Injected: Loop #: M.

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	105
PCE		% Surr. 2, ELCD	95
1112PCA		% Surr. 1, PID	105
1122PCA		% Surr. 2, PID	106
		% Surr. 1, FID	107
		% Surr. 2, FID	107

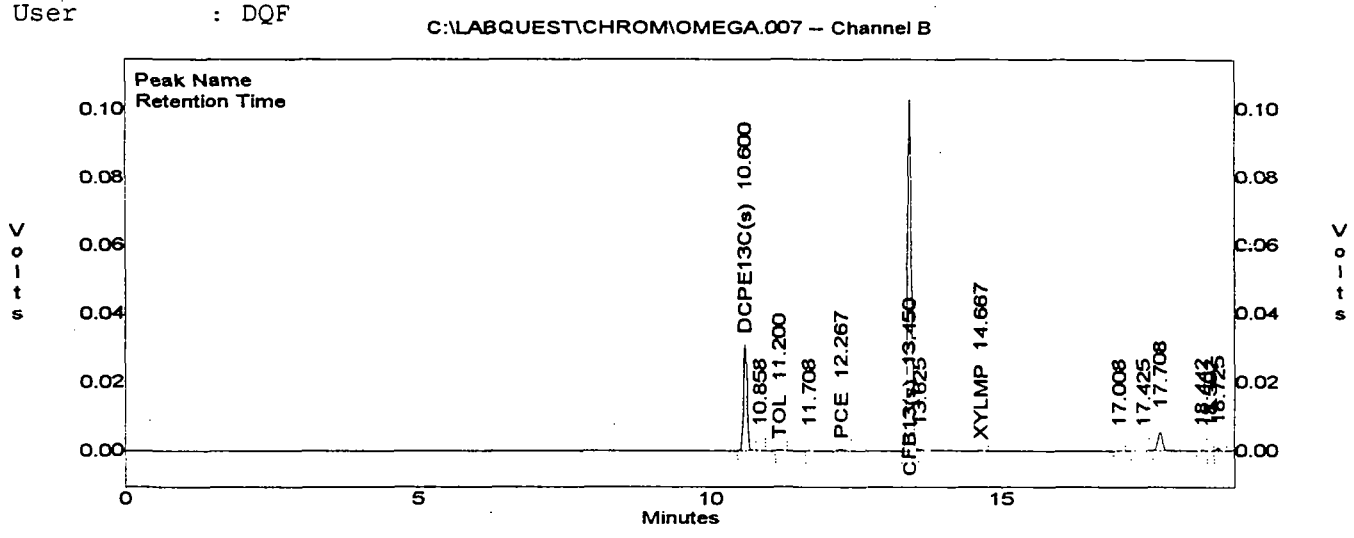
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.007
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB14NOV95
Acquired : Nov 14, 1995 12:03:08
Printed : Nov 14, 1995 12:22:35
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.850	0	0.000	0
--	VC	2.350	0	0.000	0
--	CLET	3.070	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.642	828763	1053.553	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
2	CFB13(s)	13.500	128694	945.447	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0
Totals :			957457	1999.000	

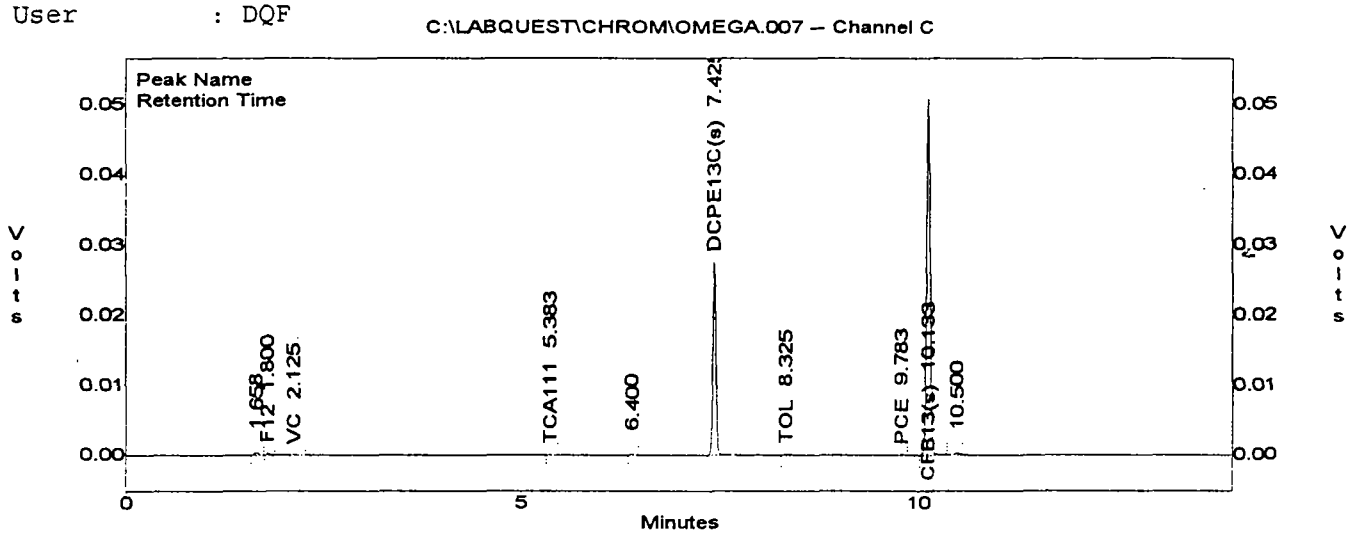
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.007
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB14NOV95
Acquired : Nov 14, 1995 12:03:08
Printed : Nov 14, 1995 12:22:39
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.310	0	0.000	0
--	DCE11	4.225	0	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.858	0	0.000	0
--	TCE	8.900	0	0.000	0
1	DCPE13C(s)	10.600	132582	1047.559	0
2		10.858	568	0.000	0
3	TOL	11.200	599	0.153	0
4		11.708	350	0.000	0
5	PCE	12.267	3901	2.007	0
6	CFB13(s)	13.450	485350	1064.314	0
7		13.625	2229	0.000	0
--	EB	14.392	0	0.000	0
8	XYLMP	14.667	311	0.076	0
--	XYLO	15.575	0	0.000	0
9		17.008	545	0.000	0
10		17.425	383	0.000	0
11		17.708	30577	0.000	0
12		18.442	1201	0.000	0
13		18.592	449	0.000	0
14		18.725	4058	0.000	0
Totals :			663106	2114.110	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.007
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB14NOV95
Acquired : Nov 14, 1995 12:03:08
Printed : Nov 14, 1995 12:22:43
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	1766	0.000	0
2	F12	1.800	763	8.747	0
3	VC	2.125	540	0.866	0
--	CLET	2.350	0	0.000	0
--	F11	2.790	0	0.000	0
--	11DCE	3.150	0	0.000	0
--	DCM	3.240	0	0.000	0
--	F113	3.410	0	0.000	0
--	DCE12T	3.867	0	0.000	0
--	DCA11	3.983	0	0.000	0
--	DCE12C	4.517	0	0.000	0
--	CLFM	4.708	0	0.000	0
--	DCA12	5.192	0	0.000	0
4	TCA111	5.383	296	0.956	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
5		6.400	597	0.000	0
--	TCE	6.583	0	0.000	0
6	DCPE13C(s)	7.425	75186	1066.699	0
--	TCA112	8.092	0	0.000	0
7	TOL	8.325	475	0.318	0
8	PCE	9.783	398	1.620	0
9	CFB13(s)	10.133	166198	1073.198	0
10		10.500	1152	0.000	0
--	PCA1112	10.600	0	0.000	0
--	EB+PCA1122	11.208	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.007
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB14NOV95
Acquired : Nov 14, 1995 12:03:08
Printed : Nov 14, 1995 12:22:44
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.492	0	0.000	0
--	XYLO	12.183	0	0.000	0

Totals :

247374 2152.404

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: AmB - 1	Probe Depth (ft): NA
Time Sampled: 11:10	Sampled by: WM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: NA
Air Temp. (F): 61.3°F	Wind dir/speed: S 0-2 mph

Sample Parameters

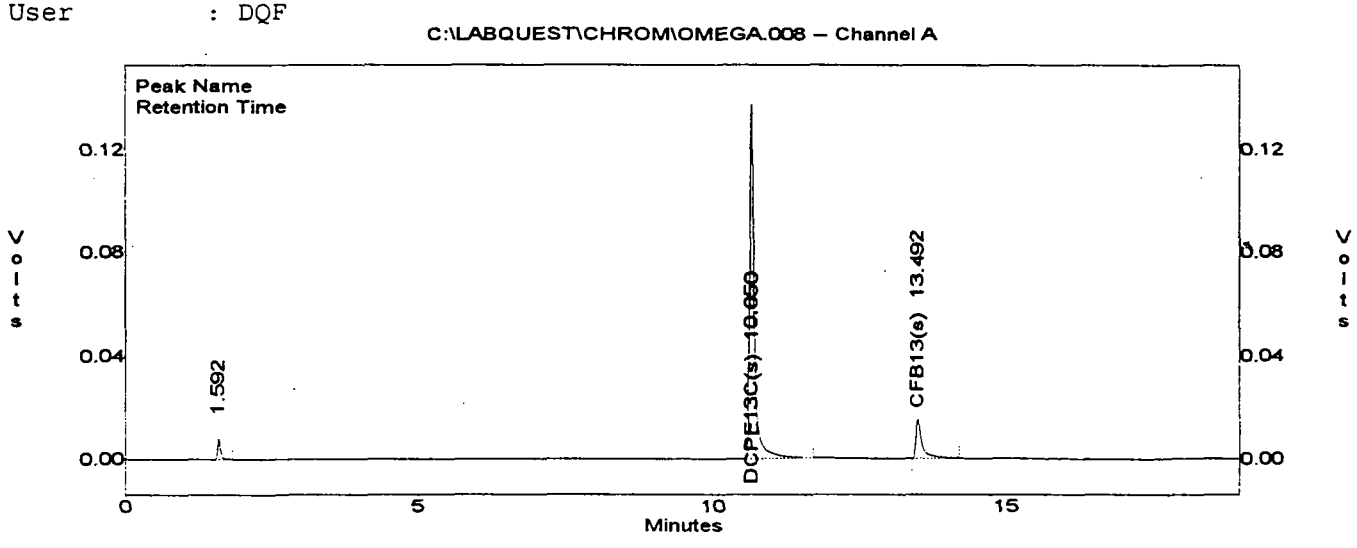
Probe Volume (ml): -	Max. Purge Vacuum (in. Hg): -
Purge Volume (liters): -	Equilibrium Time: -
Purge Time (min.): -	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/14/95 Time: 11:12	Time Injected: 11:20 Loop #: 1

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride	1	Benzene	1
Chloroethane	1	Toluene	1
Freon 11	1	Ethylbenzene	1
Dichloromethane	1	m/p-Xylene	1
t-12DCE	1	o-Xylene	↓
11DCA	1		
c-12DCE	1		
Chloroforme	1	Freon 113	<1
111TCA	1		
Carbon Tetrachloride	1		
12DCA	1		
TCE	1		
112TCA	1	% Surr. 1, ELCD	97
PCE	1	% Surr. 2, ELCD	84
1112PCA	1	% Surr. 1, PID	105
1122PCA	↓	% Surr. 2, PID	107
		% Surr. 1, FID	106
		% Surr. 2, FID	107

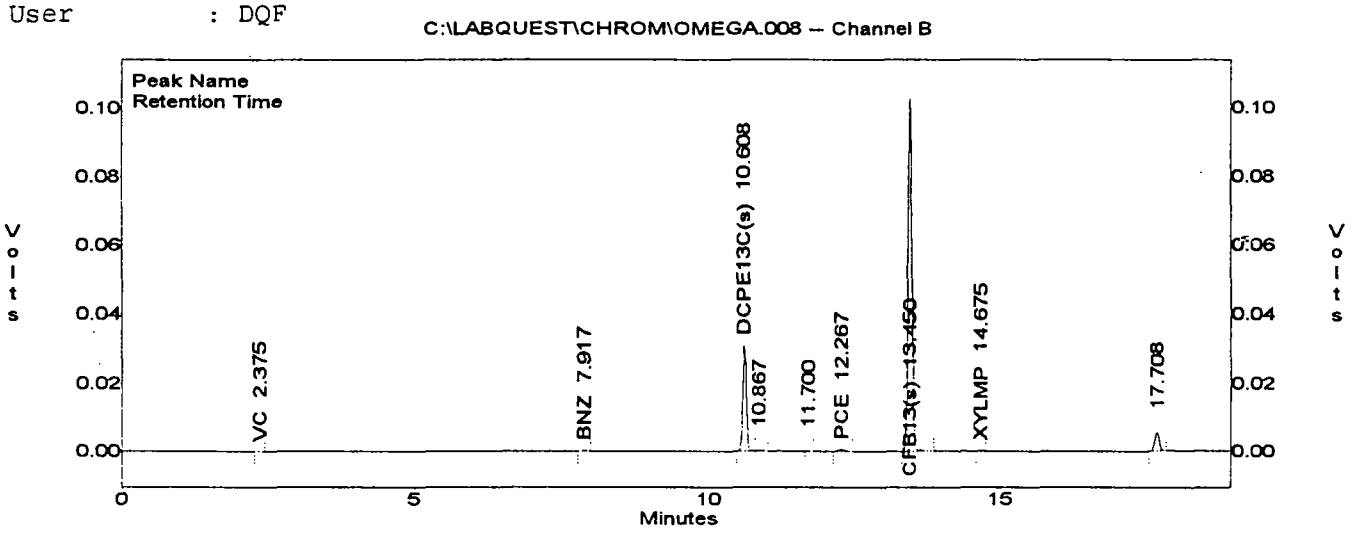
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.008
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : AMB-1
Acquired : Nov 14, 1995 12:27:33
Printed : Nov 14, 1995 12:46:56
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.592	28139	0.000	0
--	F12	1.850	0	0.000	0
--	VC	2.350	0	0.000	0
--	CLET	3.070	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
2	DCPE13C(s)	10.650	763148	970.140	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
3	CFB13(s)	13.492	113801	836.038	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0
Totals :			905088	1806.178	

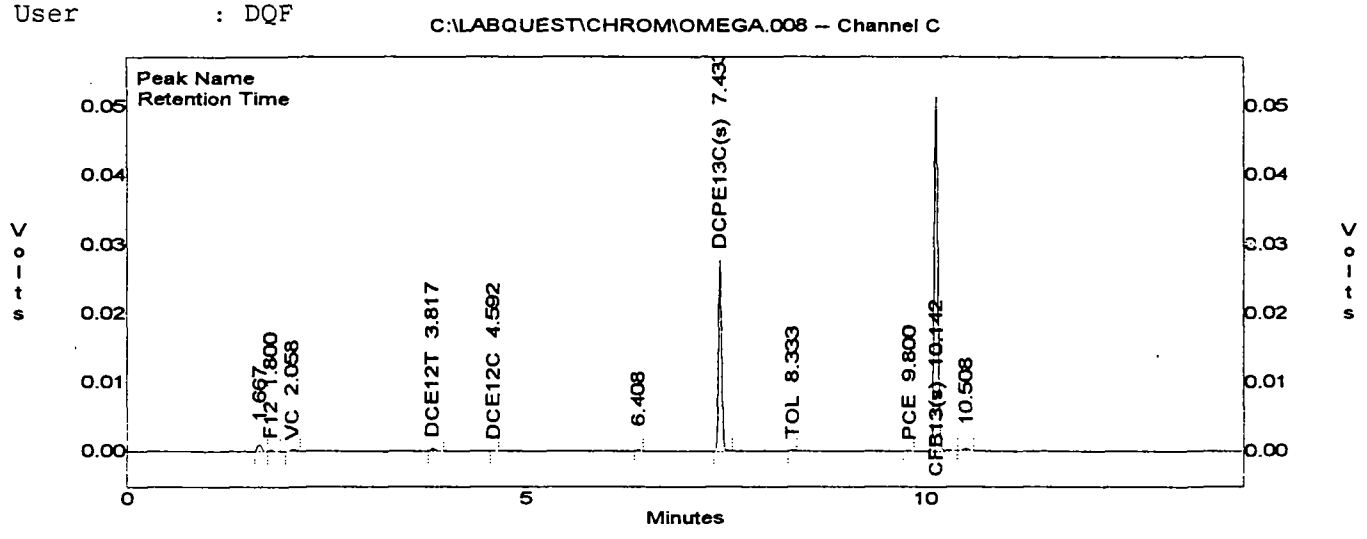
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.008
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : AMB-1
Acquired : Nov 14, 1995 12:27:33
Printed : Nov 14, 1995 12:47:00
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.375	330	0.446	0
--	DCE11	4.225	0	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
2	BNZ	7.917	406	0.096	0
--	TCE	8.900	0	0.000	0
3	DCPE13C(s)	10.608	132273	1045.124	0
4		10.867	1418	0.000	0
--	TOL	11.200	0	0.000	0
5		11.700	340	0.000	0
6	PCE	12.267	4058	2.087	0
7	CFB13(s)	13.450	486568	1066.985	0
--	EB	14.392	0	0.000	0
8	XYLMP	14.675	462	0.113	0
--	XYLO	15.575	0	0.000	0
9		17.708	30785	0.000	0
Totals :			656643	2114.851	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.008
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : AMB-1
Acquired : Nov 14, 1995 12:27:33
Printed : Nov 14, 1995 12:47:04
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	4147	0.000	0
2	F12	1.800	802	9.198	0
3	VC	2.058	977	1.565	0
--	CLET	2.350	0	0.000	0
--	F11	2.790	0	0.000	0
--	11DCE	3.150	0	0.000	0
--	DCM	3.240	0	0.000	0
--	F113	3.410	0	0.000	0
4	DCE12T	3.817	1702	4.292	0
--	DCA11	3.983	0	0.000	0
5	DCE12C	4.592	364	0.901	0
--	CLFM	4.708	0	0.000	0
--	DCA12	5.192	0	0.000	0
--	TCA111	5.375	0	0.000	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
6		6.408	601	0.000	0
--	TCE	6.583	0	0.000	0
7	DCPE13C(s)	7.433	75057	1064.869	0
--	TCA112	8.092	0	0.000	0
8	TOL	8.333	597	0.399	0
9	PCE	9.800	414	1.685	0
10	CFB13(s)	10.142	166086	1072.478	0
11		10.508	1541	0.000	0
--	PCA1112	10.600	0	0.000	0
--	EB+PCA1122	11.208	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.008
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : AMB-1
Acquired : Nov 14, 1995 12:27:33
Printed : Nov 14, 1995 12:47:05
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.492	0	0.000	0
--	XYLO	12.183	0	0.000	0

Totals :

252292	2155.387	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB-6 | Probe Depth (ft): 6'

Time Sampled: 11:41 | Sampled by: WM

Date Sampled: 11-14-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: Concrete

Air Temp. (F): 62.2°F | Wind dir/speed: 0-3 mph

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 22

Purge Volume (liters): .50 | Equilibrium Time: 2:10

Purge Time (min.): :04 | Sample Volume (ml): 20mL

Notes: | Syringe ID: A B

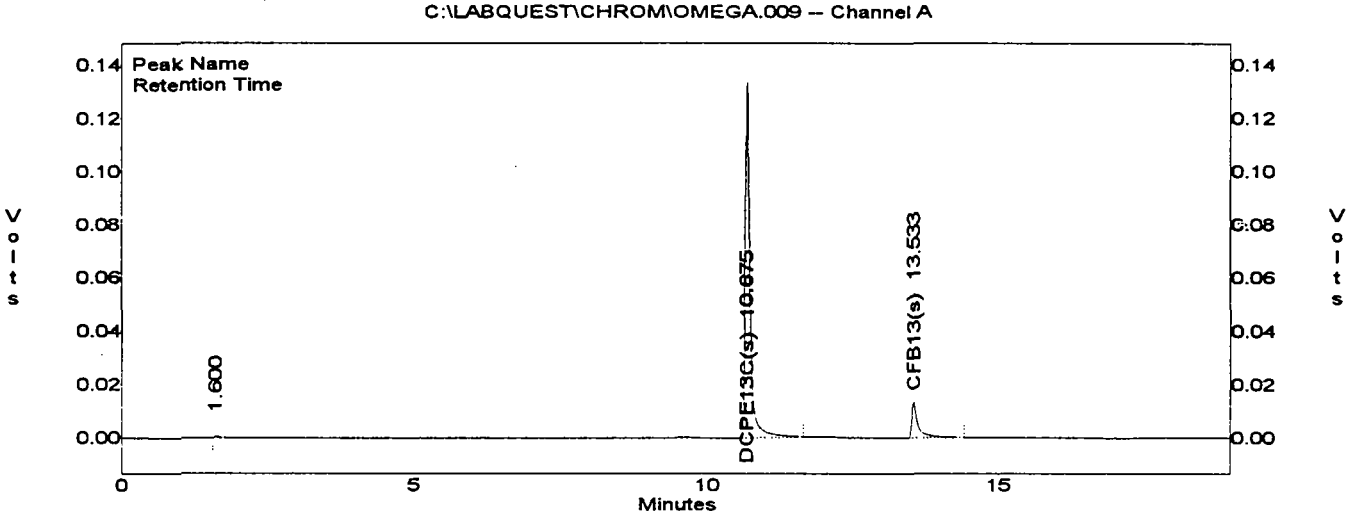
Analytical Summary

Chemist: DSF | Volume Analyzed: 1mL

Recd. Date: 11/14/95 Time: 11:46 | Time Injected: 11:49 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride			Benzene		
Chloroethane			Toluene		
Freon 11			Ethylbenzene		
Dichloromethane			m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	<1	
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	100	
PCE			% Surr. 2, ELCD	76	
1112PCA			% Surr. 1, PID	107	
1122PCA			% Surr. 2, PID	108	
			% Surr. 1, FID	108	
			% Surr. 2, FID	110	

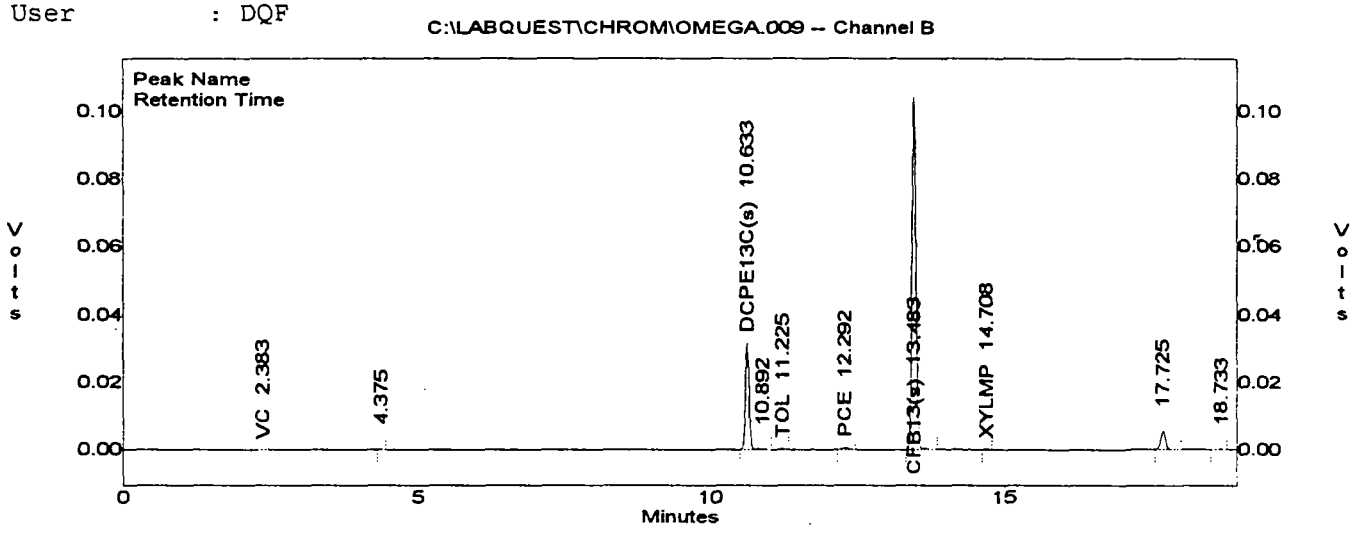
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.009
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6
Acquired : Nov 14, 1995 12:55:20
Printed : Nov 14, 1995 13:14:46
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.600	2641	0.000	0
--	F12	1.850	0	0.000	0
--	VC	2.350	0	0.000	0
--	CLET	3.070	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
2	DCPE13C(s)	10.675	783147	995.564	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
3	CFB13(s)	13.533	103430	759.846	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0
Totals :			889219	1755.410	

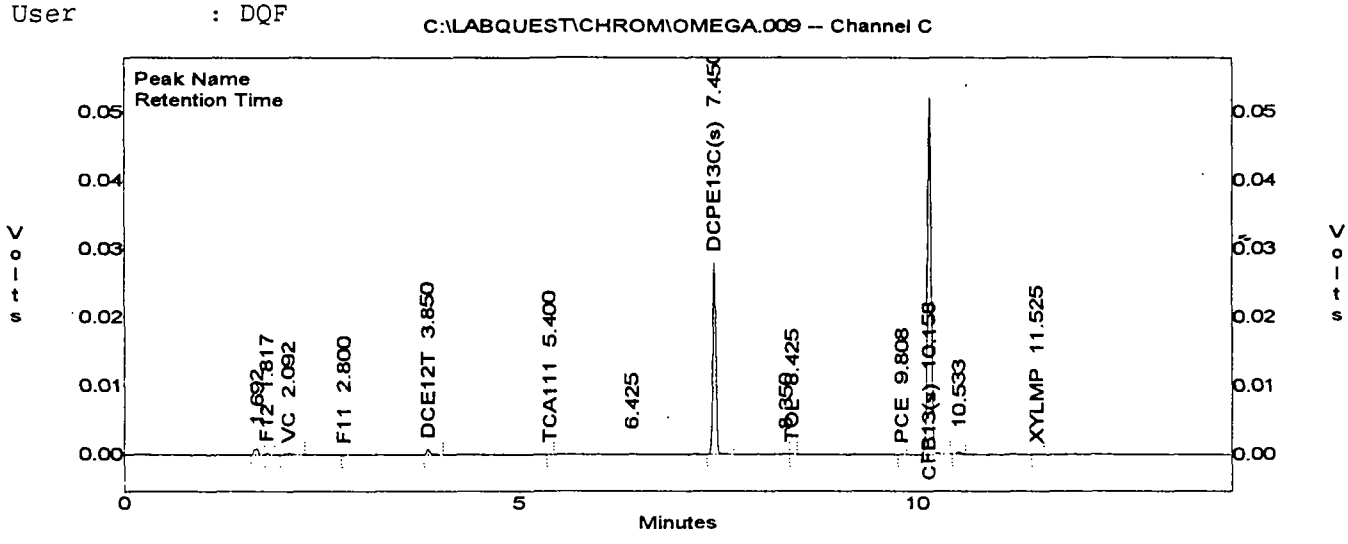
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.009
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6
Acquired : Nov 14, 1995 12:55:20
Printed : Nov 14, 1995 13:14:50
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.383	367	0.497	0
--	DCE11	4.225	0	0.000	0
2		4.375	341	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.858	0	0.000	0
--	TCE	8.900	0	0.000	0
3	DCPE13C(s)	10.633	134950	1066.276	0
4		10.892	1338	0.000	0
5	TOL	11.225	567	0.145	0
6	PCE	12.292	3817	1.964	0
7	CFB13(s)	13.483	492309	1079.573	0
--	EB	14.392	0	0.000	0
8	XYLMP	14.708	516	0.127	0
--	XYLO	15.575	0	0.000	0
9		17.725	32480	0.000	0
10		18.733	849	0.000	0
Totals :			667538	2148.581	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.009
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6
Acquired : Nov 14, 1995 12:55:20
Printed : Nov 14, 1995 13:14:54
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	3867	0.000	0
2	F12	1.817	764	8.765	0
3	VC	2.092	2078	3.327	0
--	CLET	2.350	0	0.000	0
4	F11	2.800	256	2.686	0
--	11DCE	3.150	0	0.000	0
--	DCM	3.240	0	0.000	0
--	F113	3.410	0	0.000	0
5	DCE12T	3.850	3112	7.847	0
--	DCA11	3.983	0	0.000	0
--	DCE12C	4.517	0	0.000	0
--	CLFM	4.708	0	0.000	0
--	DCA12	5.192	0	0.000	0
6	TCA111	5.400	209	0.676	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
7		6.425	602	0.000	0
--	TCE	6.583	0	0.000	0
8	DCPE13C(s)	7.450	76345	1083.135	0
--	TCA112	8.092	0	0.000	0
9		8.350	646	0.000	0
10	TOL	8.425	331	0.222	0
11	PCE	9.808	290	1.181	0
12	CFB13(s)	10.158	170568	1101.416	0
13		10.533	1264	0.000	0
--	PCA1112	10.600	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.009
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6
Acquired : Nov 14, 1995 12:55:20
Printed : Nov 14, 1995 13:14:56
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.208	0	0.000	0
14	XYLMP	11.525	316	0.215	0
--	XYLO	12.183	0	0.000	0

Totals : 260652 2209.469

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: S68-6B	Probe Depth (ft): 6'
Time Sampled: 11:53	Sampled by: DM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 62.8°F	Wind dir/speed: 0-5 mph

Sample Parameters

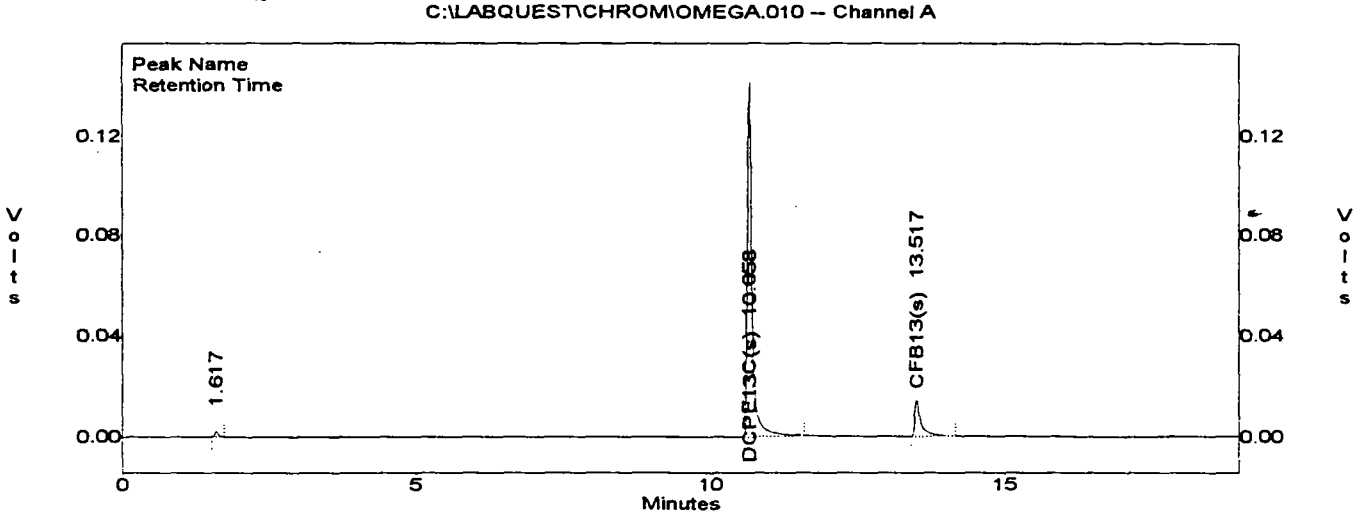
Probe Volume (ml): 200	Max. Purge Vacuum (in. Hg): 22
Purge Volume (liters): 1	Equilibrium Time: 1:20 min sec
Purge Time (min.): :23	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1ml
Recd. Date: 11/14/95 Time: 12:00	Time Injected: 12:12 Loop #:

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	103
PCE		% Surr. 2, ELCD	80
1112PCA		% Surr. 1, PID	105
1122PCA		% Surr. 2, PID	107
		% Surr. 1, FID	108
		% Surr. 2, FID	110

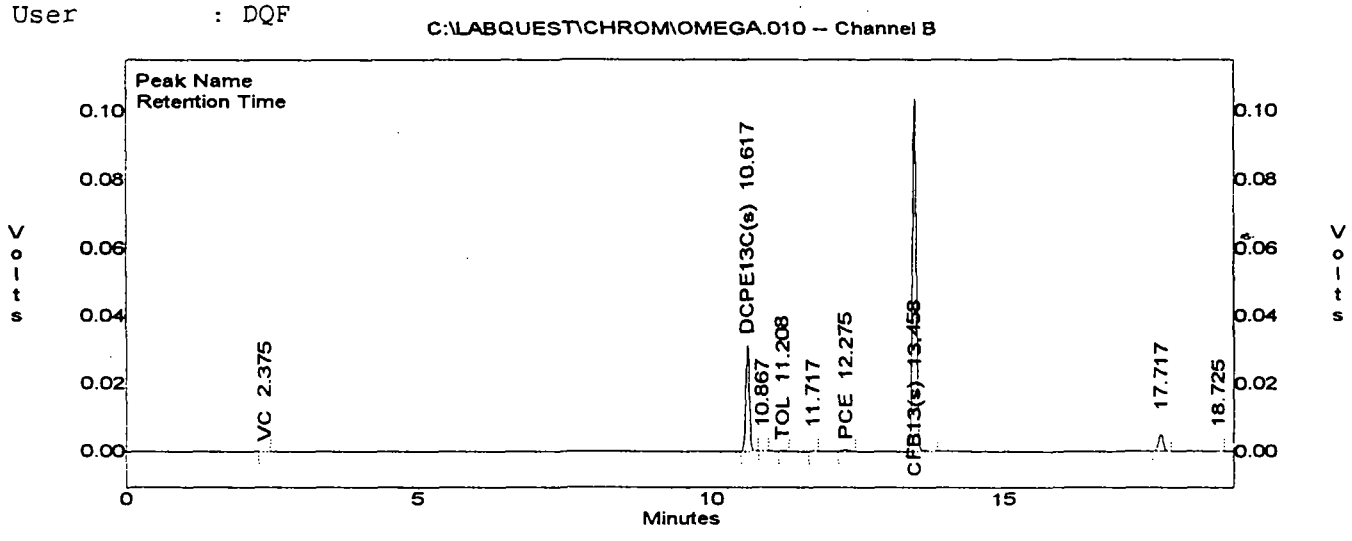
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.010
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6B
Acquired : Nov 14, 1995 13:19:45
Printed : Nov 14, 1995 13:39:10
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.617	8322	0.000	0
--	F12	1.850	0	0.000	0
--	VC	2.350	0	0.000	0
--	CLET	3.070	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
2	DCPE13C(s)	10.658	808190	1027.399	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
3	CFB13(s)	13.517	108852	799.682	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0
Totals :			925365	1827.081	

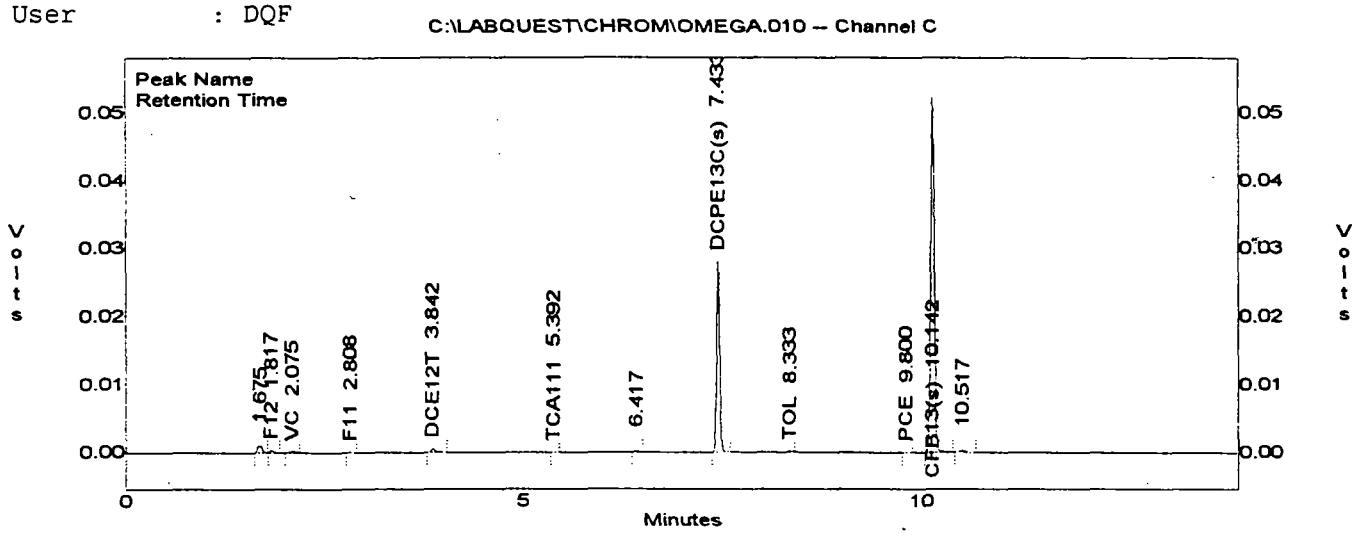
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.010
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6B
Acquired : Nov 14, 1995 13:19:45
Printed : Nov 14, 1995 13:39:14
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.375	354	0.478	0
--	DCE11	4.225	0	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.858	0	0.000	0
--	TCE	8.900	0	0.000	0
2	DCPE13C(s)	10.617	132640	1048.018	0
3		10.867	600	0.000	0
4	TOL	11.208	398	0.102	0
5		11.717	346	0.000	0
6	PCE	12.275	3422	1.761	0
7	CFB13(s)	13.458	489599	1073.631	0
--	EB	14.392	0	0.000	0
--	XYLMP	14.675	0	0.000	0
--	XYLO	15.575	0	0.000	0
8		17.717	30027	0.000	0
9		18.725	660	0.000	0
Totals :			658048	2123.990	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.010
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6B
Acquired : Nov 14, 1995 13:19:45
Printed : Nov 14, 1995 13:39:19
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	4340	0.000		0
2	F12	1.817	812	9.319		0
3	VC	2.075	1017	1.628		0
--	CLET	2.350	0	0.000		0
4	F11	2.808	223	2.345		0
--	11DCE	3.150	0	0.000		0
--	DCM	3.240	0	0.000		0
--	F113	3.410	0	0.000		0
5	DCE12T	3.842	2213	5.579		0
--	DCA11	3.983	0	0.000		0
--	DCE12C	4.517	0	0.000		0
--	CLFM	4.708	0	0.000		0
--	DCA12	5.192	0	0.000		0
6	TCA111	5.392	207	0.669		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
7		6.417	654	0.000		0
--	TCE	6.583	0	0.000		0
8	DCPE13C(s)	7.433	75865	1076.332		0
--	TCA112	8.092	0	0.000		0
9	TOL	8.333	544	0.364		0
10	PCE	9.800	297	1.210		0
11	CFB13(s)	10.142	170033	1097.962		0
12		10.517	1253	0.000		0
--	PCA1112	10.600	0	0.000		0
--	EB+PCA1122	11.208	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.010
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6B
Acquired : Nov 14, 1995 13:19:45
Printed : Nov 14, 1995 13:39:20
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.492	0	0.000	0
--	XYLO	12.183	0	0.000	0

Totals :

	257462	2195.408	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SGB - 6C
Time Sampled: 12:00
Date Sampled: 11-14-95

Probe Depth (ft): 6'
Sampled by: WM
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. CLOUDY
Air Temp. (F): 63.5°F

Ground Surface: CONCRETE
Wind dir/speed: 0-5 mph

Sample Parameters

Probe Volume (ml): 450
Purge Volume (liters): 1.50
Purge Time (min.): 1:10 MIN. SEC.
Notes:

Max. Purge Vacuum (in. Hg): 21
Equilibrium Time: 1:50 MIN. SEC.
Sample Volume (ml): 20 ml
Syringe ID: A B

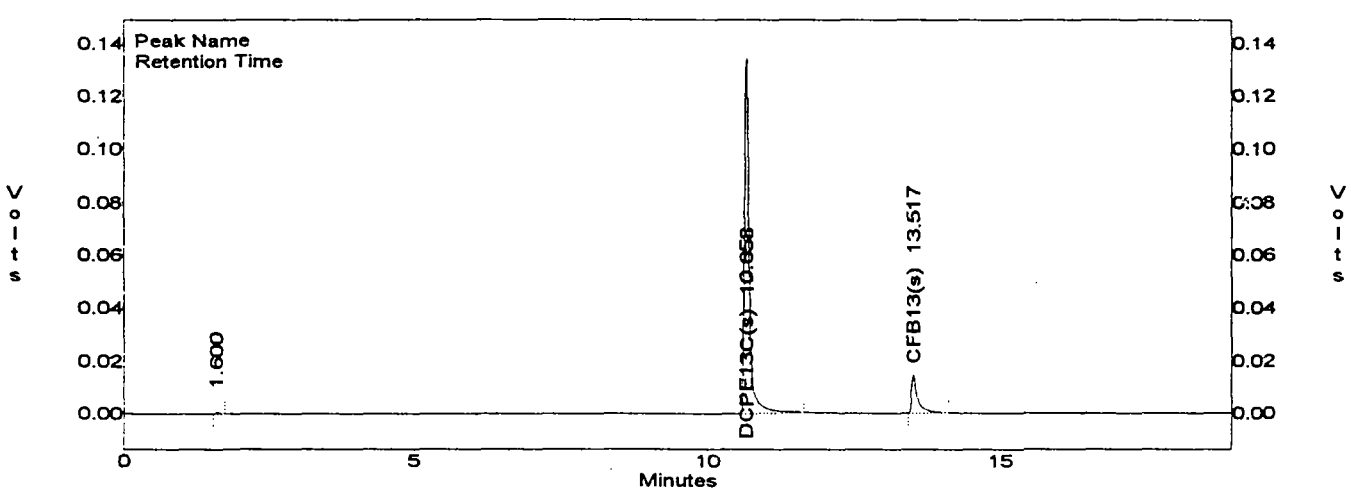
Analytical Summary

Chemist: DSF
Recd. Date: 11/14/95 Time: 12:10

Volume Analyzed: 1 mL
Time Injected: 12:32 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride			Benzene		
Chloroethane			Toluene		
Freon 11			Ethylbenzene		
Dichloromethane			m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	<1	
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	102	
PCE			% Surr. 2, ELCD	81	
1112PCA			% Surr. 1, PID	104	
1122PCA			% Surr. 2, PID	106	
			% Surr. 1, FID	108	
			% Surr. 2, FID	109	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.011
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6C
Acquired : Nov 14, 1995 13:44:12
Printed : Nov 14, 1995 14:03:31
User : DQF



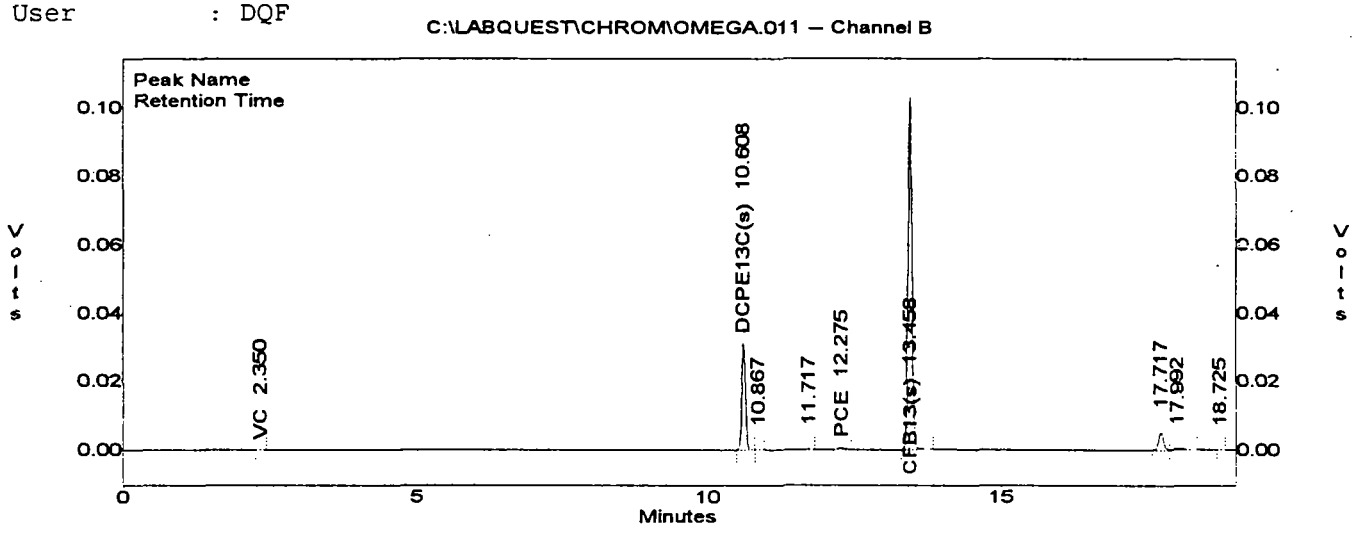
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.600	2699	0.000	0
--	F12	1.850	0	0.000	0
--	VC	2.350	0	0.000	0
--	CLET	3.070	0	0.000	0
--	F11	3.550	0	0.000	0
--	DCE11+F113	4.275	0	0.000	0
--	DCM	4.942	0	0.000	0
--	DCE12T	5.292	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.583	0	0.000	0
--	DCA12	7.950	0	0.000	0
--	TCE	8.942	0	0.000	0
2	DCPE13C(s)	10.658	804293	1022.446	0
--	TCA112	12.083	0	0.000	0
--	PCE	12.300	0	0.000	0
3	CFB13(s)	13.517	110374	810.860	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.333	0	0.000	0

Totals :

917366	1833.305	

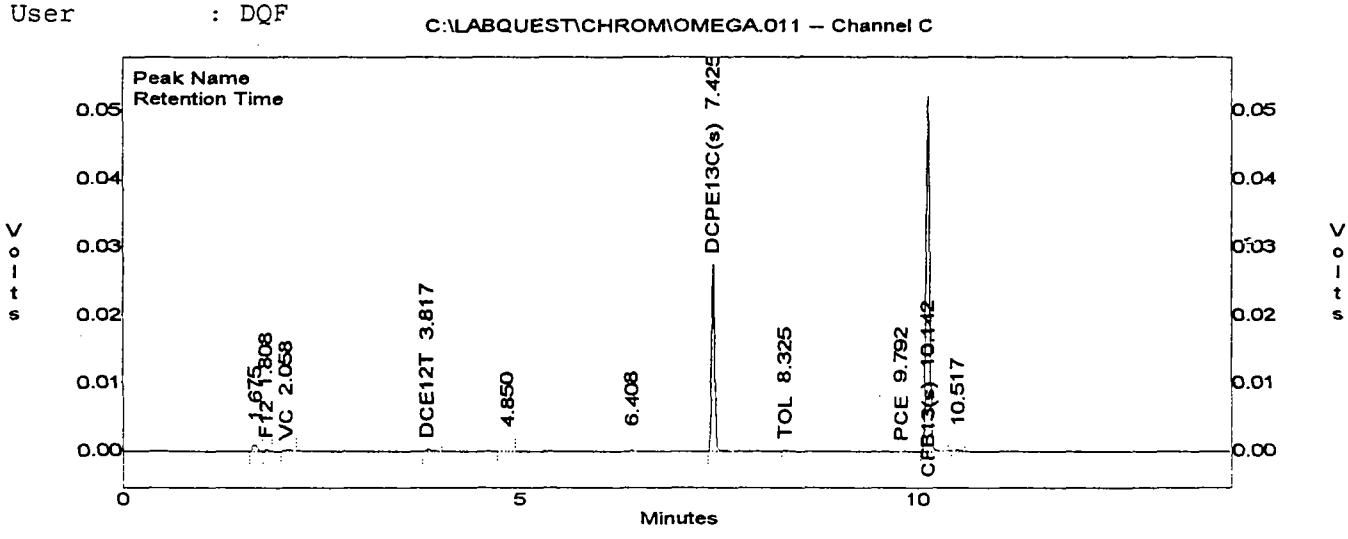
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.011
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6C
Acquired : Nov 14, 1995 13:44:12
Printed : Nov 14, 1995 14:03:35
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.350	320	0.433	0
--	DCE11	4.225	0	0.000	0
--	DCE12T	5.250	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.858	0	0.000	0
--	TCE	8.900	0	0.000	0
2	DCPE13C(s)	10.608	131969	1042.718	0
3		10.867	593	0.000	0
--	TOL	11.200	0	0.000	0
4		11.717	305	0.000	0
5	PCE	12.275	3667	1.887	0
6	CFB13(s)	13.458	484567	1062.596	0
--	EB	14.392	0	0.000	0
--	XYLMP	14.675	0	0.000	0
--	XYLO	15.575	0	0.000	0
7		17.717	30932	0.000	0
8		17.992	4840	0.000	0
9		18.725	334	0.000	0
Totals :			657530	2107.634	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.011
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6C
Acquired : Nov 14, 1995 13:44:12
Printed : Nov 14, 1995 14:03:39
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.675	4256	0.000	0
2	F12	1.808	817	9.371	0
3	VC	2.058	923	1.478	0
--	CLET	2.350	0	0.000	0
--	F11	2.790	0	0.000	0
--	11DCE	3.150	0	0.000	0
--	DCM	3.240	0	0.000	0
--	F113	3.410	0	0.000	0
4	DCE12T	3.817	1536	3.874	0
--	DCA11	3.983	0	0.000	0
--	DCE12C	4.517	0	0.000	0
--	CLFM	4.708	0	0.000	0
5		4.850	275	0.000	0
--	DCA12	5.192	0	0.000	0
--	TCA111	5.375	0	0.000	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
6		6.408	596	0.000	0
--	TCE	6.583	0	0.000	0
7	DCPE13C(s)	7.425	76256	1081.876	0
--	TCA112	8.092	0	0.000	0
8	TOL	8.325	593	0.397	0
9	PCE	9.792	240	0.977	0
10	CFB13(s)	10.142	169090	1091.872	0
11		10.517	1141	0.000	0
--	PCA1112	10.600	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.011
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-6C
Acquired : Nov 14, 1995 13:44:12
Printed : Nov 14, 1995 14:03:41
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.208	0	0.000	0
--	XYLMP	11.492	0	0.000	0
--	XYLO	12.183	0	0.000	0

Totals :

255726	2189.844

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG8-12	Probe Depth (ft): 12'
Time Sampled: 13:06	Sampled by: VJM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. CLOUDY	Ground Surface: CONCRETE
Air Temp. (F): 66°F	Wind dir/speed: CALM

Sample Parameters

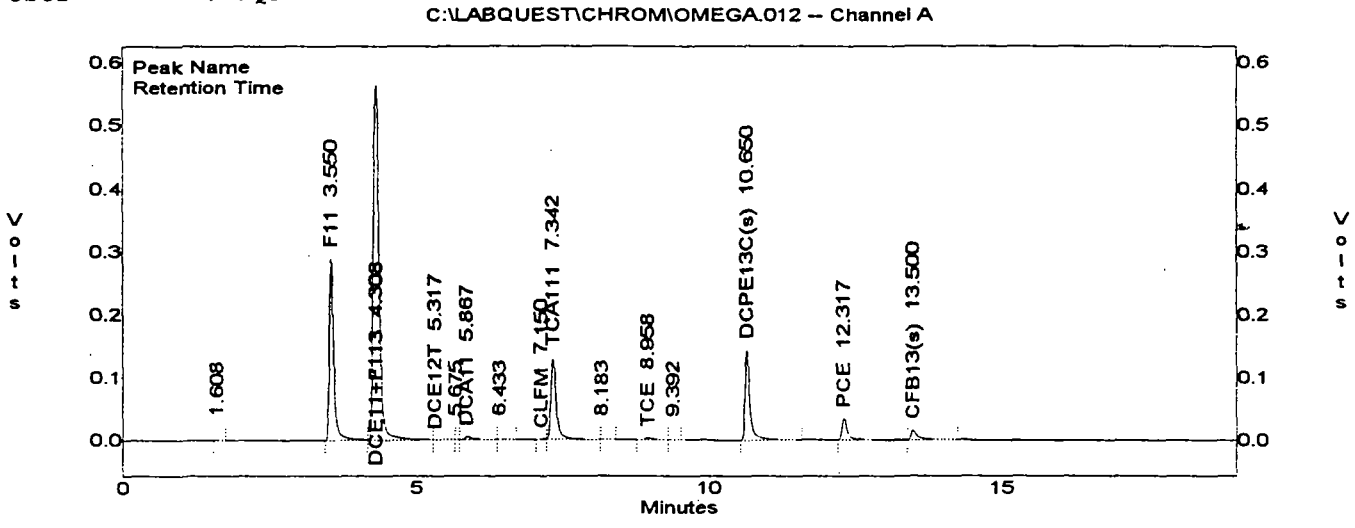
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 24
Purge Volume (liters): .75	Equilibrium Time: :17
Purge Time (min.): :48	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1 mL, 0.01 mL
Recd. Date: 11/14/95 Time: 13:07	Time Injected: 13:07 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<100	11DCE	140	<100
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	210		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	3.4		o-Xylene		
11DCA	10				
c-12DCE	<1				
Chloroforme	1.7		Freon 113	920	800
111TCA	140				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	7.4				
112TCA	<1		% Surr. 1, ELCD	108	106
PCE	46		% Surr. 2, ELCD	87	85
1112PCA	<1		% Surr. 1, PID	105	102
1122PCA	<1		% Surr. 2, PID	105	105
			% Surr. 1, FID	111	108
			% Surr. 2, FID	109	108

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.012
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12
Acquired : Nov 14, 1995 14:12:01
Printed : Nov 14, 1995 14:50:12
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.608	2641	0.000		0
--	F12	1.933	0	0.000		0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
2	F11	3.550	1568102	214.208	V	0
3	DCE11+F113	4.308	3955970	1001.018	V	0
--	DCM	4.900	0	0.000		0
4	DCE12T	5.317	15948	3.428	V	0
5		5.675	2371	0.000		0
6	DCA11	5.867	57953	10.091	V	0
7		6.433	2245	0.000		0
--	DCE12C	6.608	0	0.000		0
8	CLFM	7.150	12082	1.677	V	0
9	TCA111	7.342	867030	137.067	V	0
--	CBTC	7.533	0	0.000		0
--	DCA12	7.908	0	0.000		0
10		8.183	1980	0.000		0
11	TCE	8.958	36554	7.352	V	0
12		9.392	2952	0.000		0
13	DCPE13C(s)	10.650	846758	1076.428		0
--	TCA112	12.033	0	0.000		0
14	PCE	12.317	250482	46.278	V	0
15	CFB13(s)	13.500	118508	870.618		0
--	PCA1112	14.317	0	0.000		0
--	PCA1122	17.292	0	0.000		0

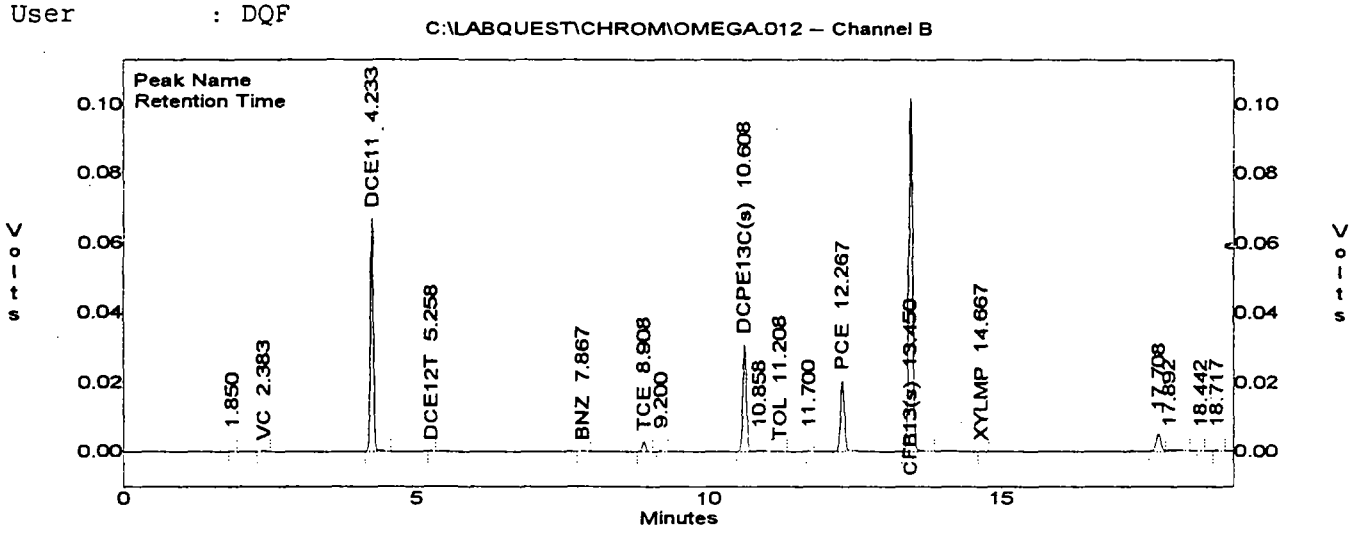
Continued...

File : C:\LABQUEST\CHROM\OMEGA.012
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12
Acquired : Nov 14, 1995 14:12:01
Printed : Nov 14, 1995 14:50:15
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			7741580	3368.164	

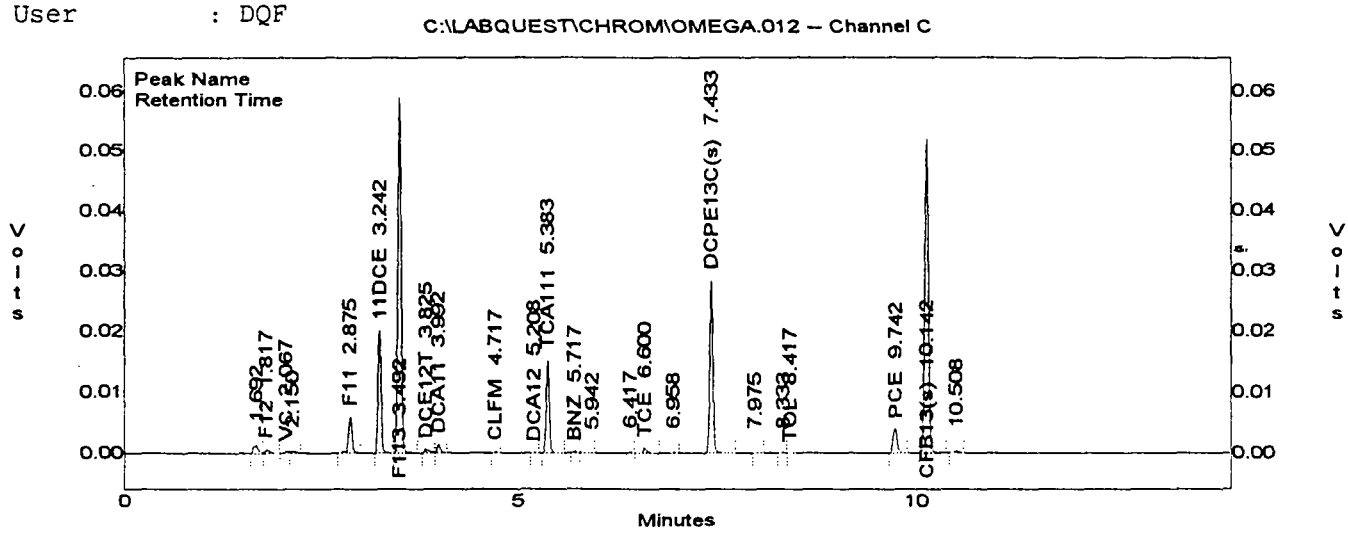
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.012
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12
Acquired : Nov 14, 1995 14:12:01
Printed : Nov 14, 1995 14:50:17
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.850	840	0.000		0
2	VC	2.383	1750	2.365		0
3	DCE11	4.233	244159	143.685		0
4	DCE12T	5.258	631	0.166		0
--	DCE12C	6.575	0	0.000		0
5	BNZ	7.867	1175	0.277		0
6	TCE	8.908	13265	5.524		0
7		9.200	501	0.000		0
8	DCPE13C(s)	10.608	132259	1045.012		0
9		10.858	1524	0.000		0
10	TOL	11.208	447	0.114		0
11		11.700	310	0.000		0
12	PCE	12.267	98632	50.736		0
13	CFB13(s)	13.450	480080	1052.757		0
--	EB	14.350	0	0.000		0
14	XYLMP	14.667	302	0.074		0
--	XYLO	15.533	0	0.000		0
15		17.708	31077	0.000		0
16		17.892	4919	0.000		0
17		18.442	511	0.000		0
18		18.717	1800	0.000		0
Totals :			1014188	2300.710		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.012
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12
Acquired : Nov 14, 1995 14:12:01
Printed : Nov 14, 1995 14:50:22
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	6167	0.000	0
2	F12	1.817	2474	28.372	0
3	VC	2.067	1236	1.979	0
4		2.150	1521	0.000	0
--	CLET	2.417	0	0.000	0
5	F11	2.875	19934	209.119	0
6	11DCE	3.242	57585	156.341	0
--	DCM	3.292	0	0.000	0
7	F113	3.492	176847	915.771	0
8	DCE12T	3.825	2443	6.161	0
9	DCA11	3.992	4068	9.957	0
--	DCE12C	4.492	0	0.000	0
10	CLFM	4.717	537	3.431	0
11	DCA12	5.208	461	1.143	0
12	TCA111	5.383	42052	135.659	0
13	BNZ	5.717	669	0.441	0
--	CBTC	5.792	0	0.000	0
14		5.942	222	0.000	0
15		6.417	517	0.000	0
16	TCE	6.600	3419	11.059	0
17		6.958	503	0.000	0
18	DCPE13C(s)	7.433	78307	1110.978	0
19		7.975	286	0.000	0
--	TCA112	8.058	0	0.000	0
20		8.333	628	0.000	0
21	TOL	8.417	244	0.163	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.012
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12
Acquired : Nov 14, 1995 14:12:01
Printed : Nov 14, 1995 14:50:23
User : DQF

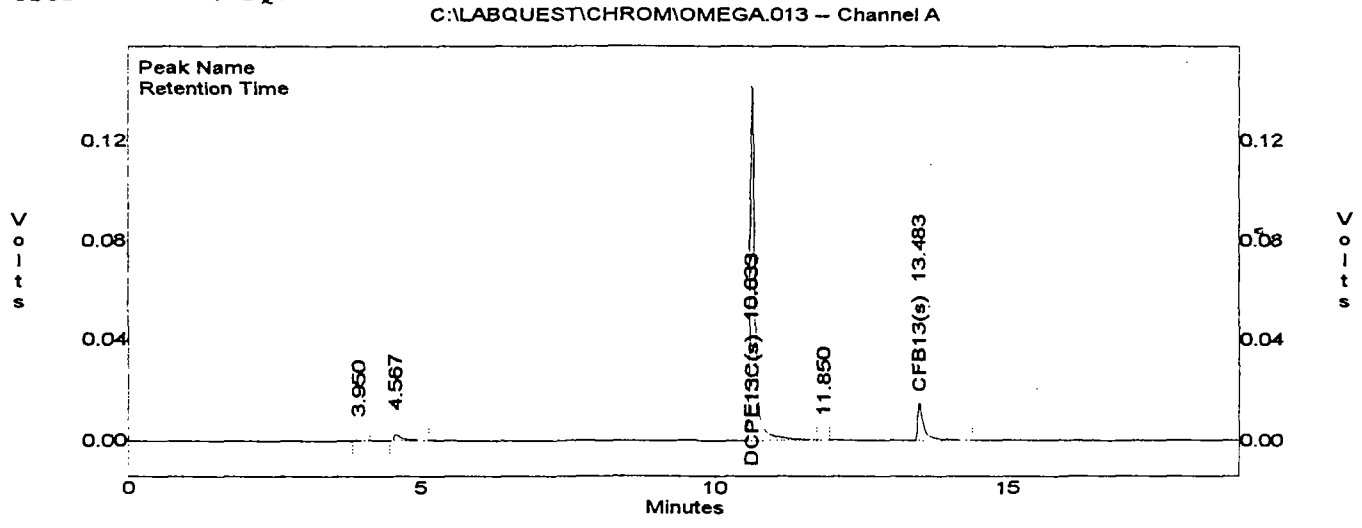
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
22	PCE	9.742	13758	56.009	0
23	CFB13(s)	10.142	168698	1089.344	0
24		10.508	1165	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

583752	3735.927	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.013
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12D
Acquired : Nov 14, 1995 14:36:25
Printed : Nov 14, 1995 14:55:45
User : DQF



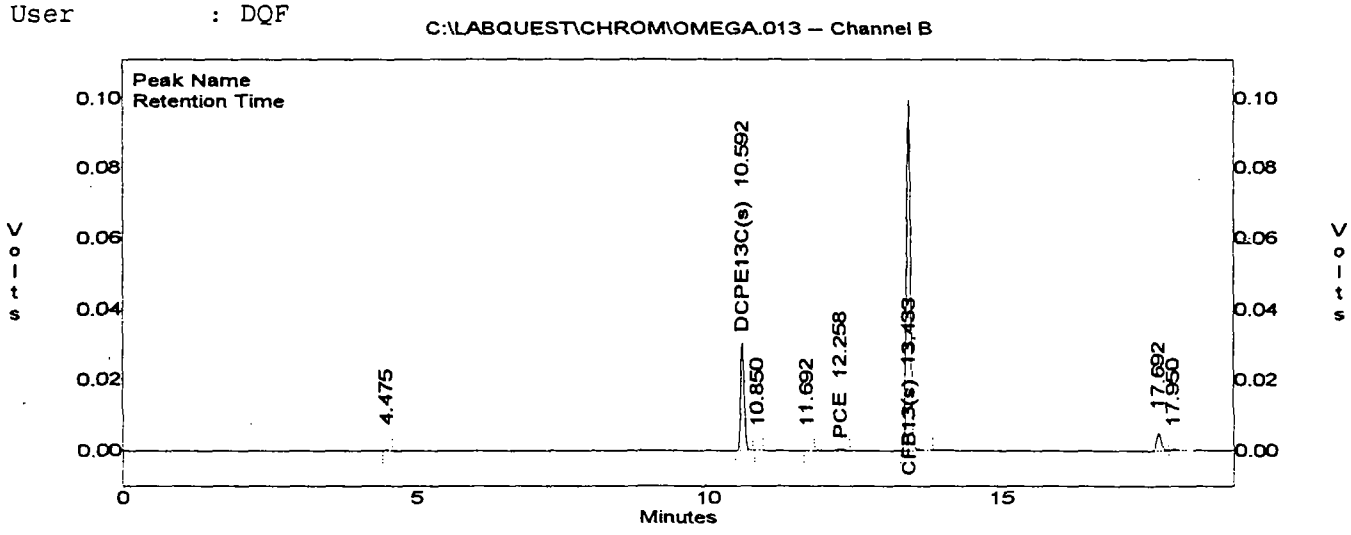
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
--	F12	1.933	0	0.000		0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
--	F11	3.517	0	0.000		0
1		3.950	2126	0.000	29	0
--	DCE11+F113	4.250	0	0.000		0
2		4.567	24549	0.000	246	0
--	DCM	4.900	0	0.000		0
--	DCE12T	5.258	0	0.000		0
--	DCA11	5.808	0	0.000		0
--	DCE12C	6.608	0	0.000		0
--	CLFM	7.083	0	0.000		0
--	TCA111	7.308	0	0.000		0
--	CBTC	7.533	0	0.000		0
--	DCA12	7.908	0	0.000		0
--	TCE	8.900	0	0.000		0
3	DCPE13C(s)	10.633	834885	106133.547		0
4		11.850	1141	0.000		0
--	TCA112	12.033	0	0.000		0
--	PCE	12.250	0	0.000		0
5	CFB13(s)	13.483	115922	85162.172		0
--	PCA1112	14.317	0	0.000		0
--	PCA1122	17.292	0	0.000		0

Totals :

978625	191295.719	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.013
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12D
Acquired : Nov 14, 1995 14:36:25
Printed : Nov 14, 1995 14:55:50
User : DQF



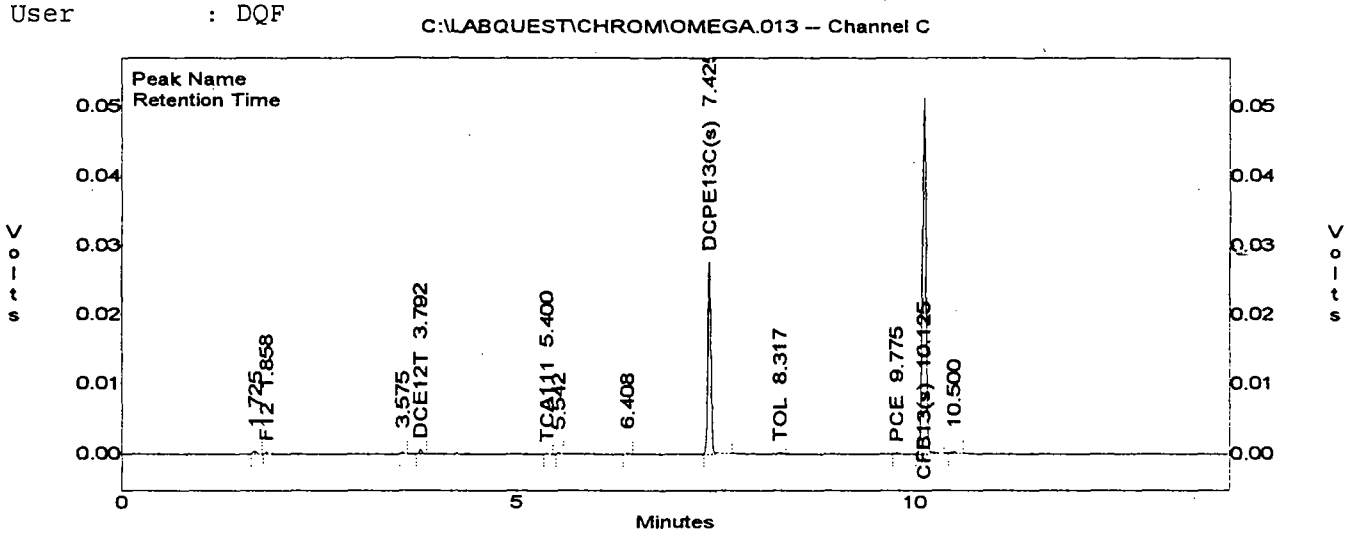
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
--	VC	2.392	0	0.000		0
--	DCE11	4.200	0	0.000		0
1		4.475	1564	0.000	92	0
--	DCE12T	5.225	0	0.000		0
--	DCE12C	6.575	0	0.000		0
--	BNZ	7.825	0	0.000		0
--	TCE	8.858	0	0.000		0
2	DCPE13C(s)	10.592	129708102	485.719		0
3		10.850	552	0.000		0
--	TOL	11.150	0	0.000		0
4		11.692	335	0.000		0
5	PCE	12.258	3840	197.526	X	0
6	CFB13(s)	13.433	476577104	507.531		0
--	EB	14.350	0	0.000		0
--	XYLMP	14.633	0	0.000		0
--	XYLO	15.533	0	0.000		0
7		17.692	30726	0.000		0
8		17.950	3766	0.000		0

Totals :

647070207 190.781

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.013
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12D
Acquired : Nov 14, 1995 14:36:25
Printed : Nov 14, 1995 14:55:54
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.725	1555	0.000		0
2	F12	1.858	685	785.585		0
--	VC	2.075	0	0.000		0
--	CLET	2.417	0	0.000		0
--	F11	2.850	0	0.000		0
--	11DCE	3.208	0	0.000		0
--	DCM	3.292	0	0.000		0
--	F113	3.458	0	0.000		0
3		3.575	522	0.000	548	0
4	DCE12T	3.792	1540	~~388.453~~	798	0
--	DCA11	3.958	0	0.000		0
--	DCE12C	4.492	0	0.000		0
--	CLFM	4.683	0	0.000		0
--	DCA12	5.167	0	0.000		0
5	TCA111	5.400	268	86.616		0
6		5.542	343	0.000		0
--	BNZ	5.683	0	0.000		0
--	CBTC	5.792	0	0.000		0
7		6.408	640	0.000		0
--	TCE	6.550	0	0.000		0
8	DCPE13C(s)	7.425	75951107	755.227		0
--	TCA112	8.058	0	0.000		0
9	TOL	8.317	606	40.515		0
10	PCE	9.775	403	164.366		0
11	CFB13(s)	10.125	166528107	532.859		0
12		10.500	930	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.013
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG8-12D
Acquired : Nov 14, 1995 14:36:25
Printed : Nov 14, 1995 14:55:55
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

249976216753.625

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: S615-6	Probe Depth (ft): 6'
Time Sampled: 13:51	Sampled by: DM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 65°F	Wind dir/speed: Calm

Sample Parameters

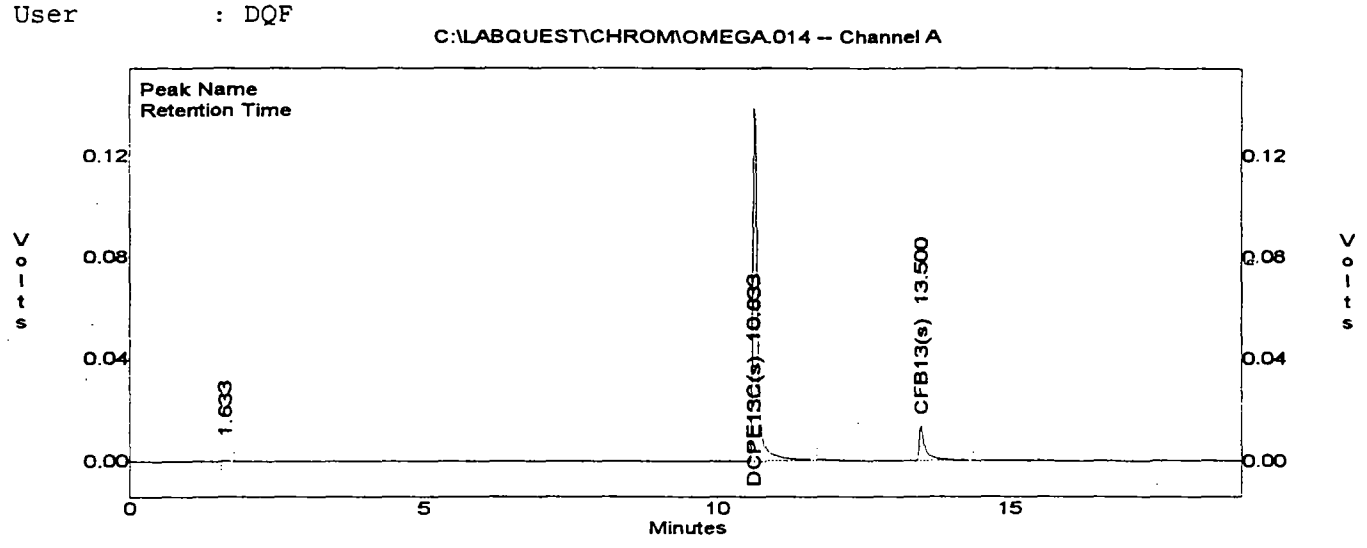
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 18
Purge Volume (liters): .50	Equilibrium Time: :10
Purge Time (min.): :03	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 13:52	Time Injected: 13:58 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	103
PCE		% Surr. 2, ELCD	76
1112PCA		% Surr. 1, PID	103
1122PCA		% Surr. 2, PID	105
		% Surr. 1, FID	108
		% Surr. 2, FID	109

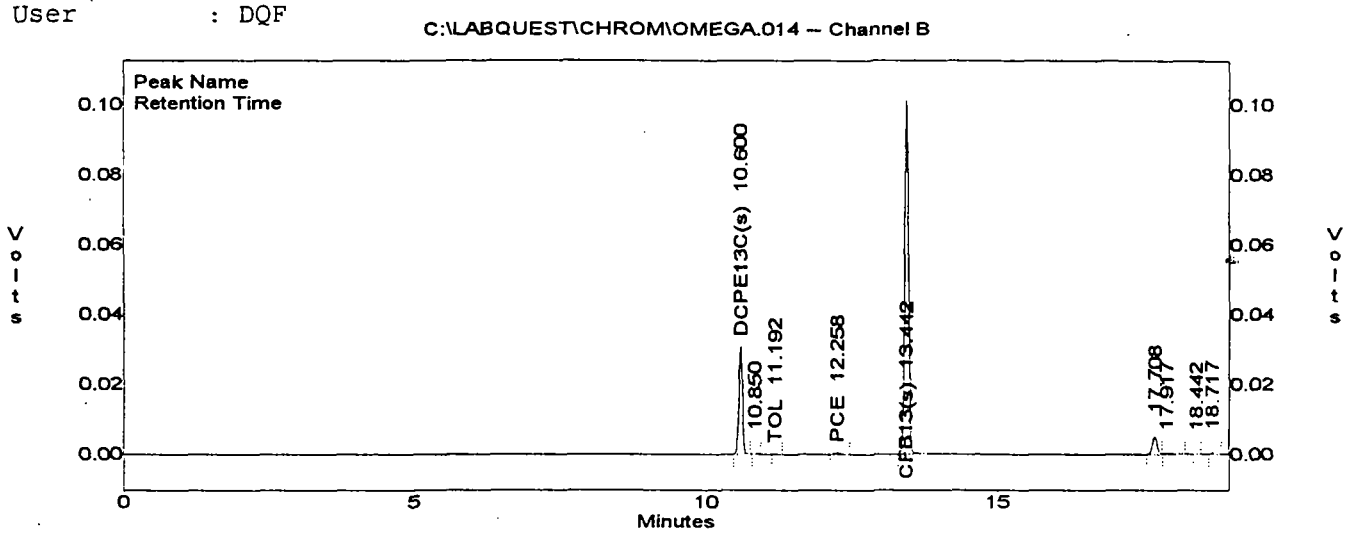
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.014
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-6
Acquired : Nov 14, 1995 15:00:49
Printed : Nov 14, 1995 15:20:13
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	1668	0.000	0
--	F12	1.933	0	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.250	0	0.000	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
--	DCA11	5.808	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	CLFM	7.083	0	0.000	0
--	TCA111	7.308	0	0.000	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
--	TCE	8.900	0	0.000	0
2	DCPE13C(s)	10.633	810198	1029.952	0
--	TCA112	12.033	0	0.000	0
--	PCE	12.250	0	0.000	0
3	CFB13(s)	13.500	104098	764.753	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0
Totals :			915964	1794.705	

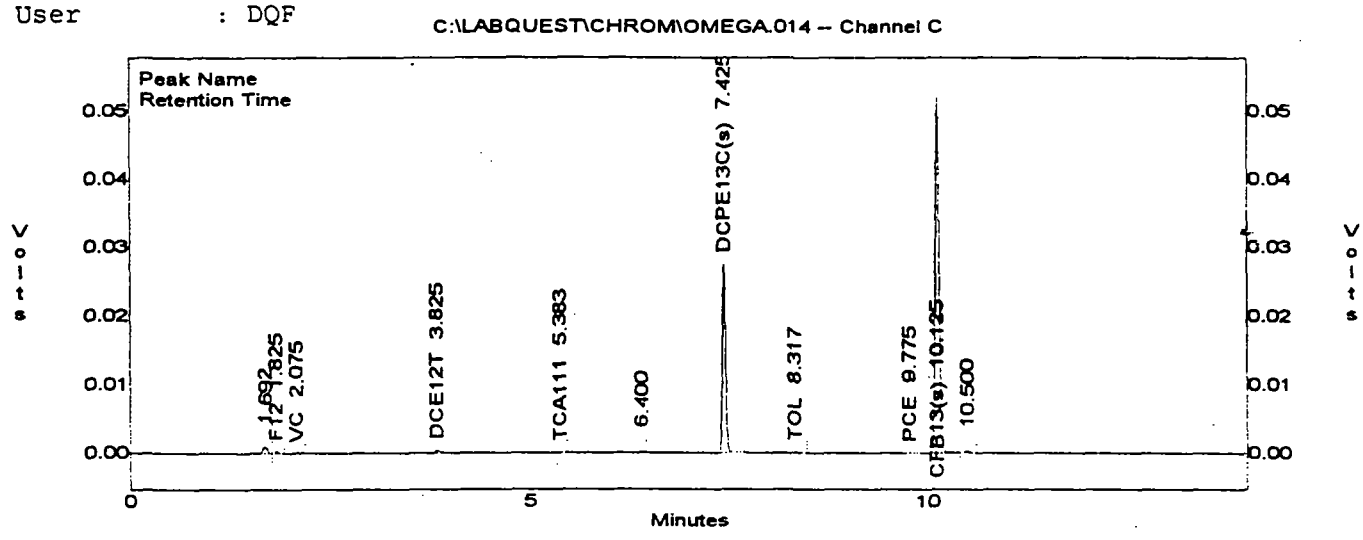
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.014
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-6
Acquired : Nov 14, 1995 15:00:49
Printed : Nov 14, 1995 15:20:17
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.392	0	0.000	0
--	DCE11	4.200	0	0.000	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
--	BNZ	7.825	0	0.000	0
--	TCE	8.858	0	0.000	0
1	DCPE13C(s)	10.600	129815	1025.699	0
2		10.850	590	0.000	0
3	TOL	11.192	444	0.114	0
4	PCE	12.258	3424	1.761	0
5	CFB13(s)	13.442	477015	1046.036	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
6		17.708	30764	0.000	0
7		17.917	3793	0.000	0
8		18.442	458	0.000	0
9		18.717	1709	0.000	0
Totals :			648015	2073.610	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.014
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-6
Acquired : Nov 14, 1995 15:00:49
Printed : Nov 14, 1995 15:20:20
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	3845	0.000	0
2	F12	1.825	823	9.444	0
3	VC	2.075	840	1.345	0
--	CLET	2.417	0	0.000	0
--	F11	2.850	0	0.000	0
--	11DCE	3.208	0	0.000	0
--	DCM	3.292	0	0.000	0
--	F113	3.458	0	0.000	0
4	DCE12T	3.825	1866	4.706	0
--	DCA11	3.958	0	0.000	0
--	DCE12C	4.492	0	0.000	0
--	CLFM	4.683	0	0.000	0
--	DCA12	5.167	0	0.000	0
5	TCA111	5.383	255	0.824	0
--	BNZ	5.683	0	0.000	0
--	CBTC	5.792	0	0.000	0
6		6.400	594	0.000	0
--	TCE	6.550	0	0.000	0
7	DCPE13C(s)	7.425	76196	1081.028	0
--	TCA112	8.058	0	0.000	0
8	TOL	8.317	907	0.607	0
9	PCE	9.775	328	1.338	0
10	CFB13(s)	10.125	168833	1090.216	0
11		10.500	1155	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.014
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-6
Acquired : Nov 14, 1995 15:00:49
Printed : Nov 14, 1995 15:20:22
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

	255647	2189.507

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB15 - 12	Probe Depth (ft): 12'
Time Sampled: 14:05	Sampled by: WJM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 68.9°	Wind dir/speed: SW 0-5 mph

Sample Parameters

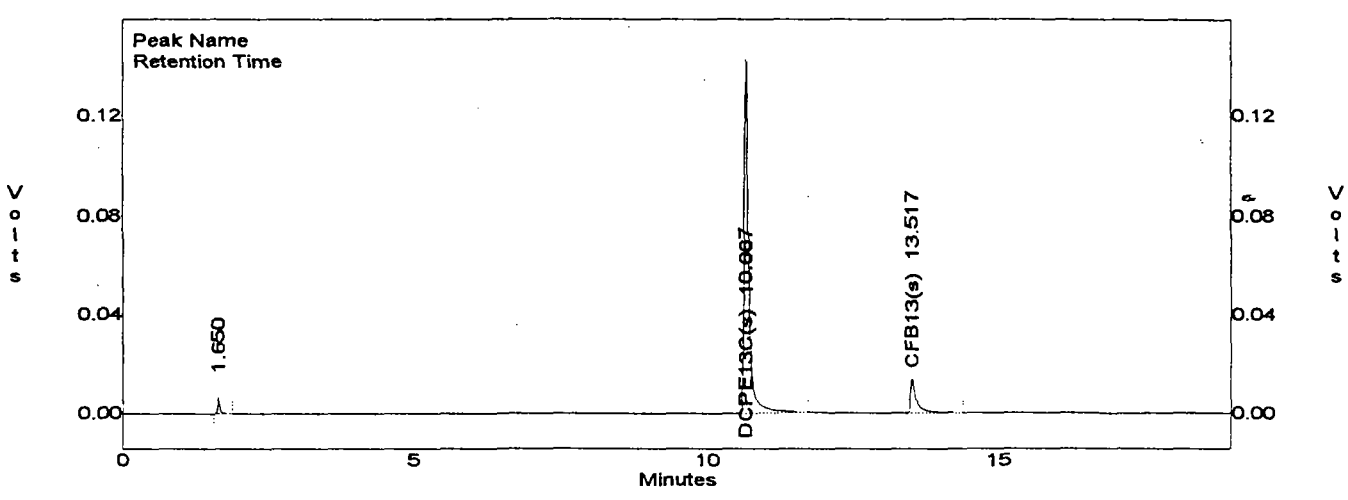
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 22
Purge Volume (liters): .75	Equilibrium Time: :12
Purge Time (min.): :06	Sample Volume (ml): 20 ml
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DBF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 14:08	Time Injected: 14:20 Loop #: 1

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	104
PCE		% Surr. 2, ELCD	78
1112PCA		% Surr. 1, PID	104
1122PCA		% Surr. 2, PID	105
		% Surr. 1, FID	109
		% Surr. 2, FID	109

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.015
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-12
Acquired : Nov 14, 1995 15:25:17
Printed : Nov 14, 1995 15:44:42
User : DQF



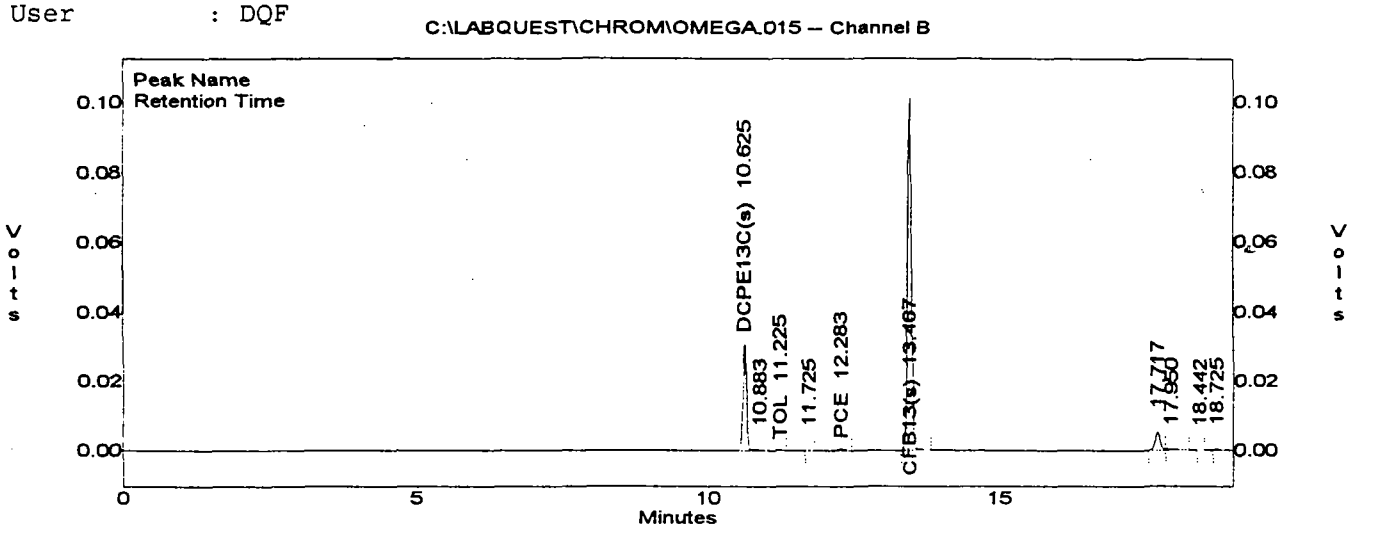
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	14744	0.000	0
--	F12	1.933	0	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.250	0	0.000	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
--	DCA11	5.808	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	CLFM	7.083	0	0.000	0
--	TCA111	7.308	0	0.000	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
--	TCE	8.900	0	0.000	0
2	DCPE13C(s)	10.667	815270	1036.400	0
--	TCA112	12.033	0	0.000	0
--	PCE	12.250	0	0.000	0
3	CFB13(s)	13.517	106285	780.820	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0

Totals :

	936300	1817.220

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.015
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-12
Acquired : Nov 14, 1995 15:25:17
Printed : Nov 14, 1995 15:44:46
User : DQF



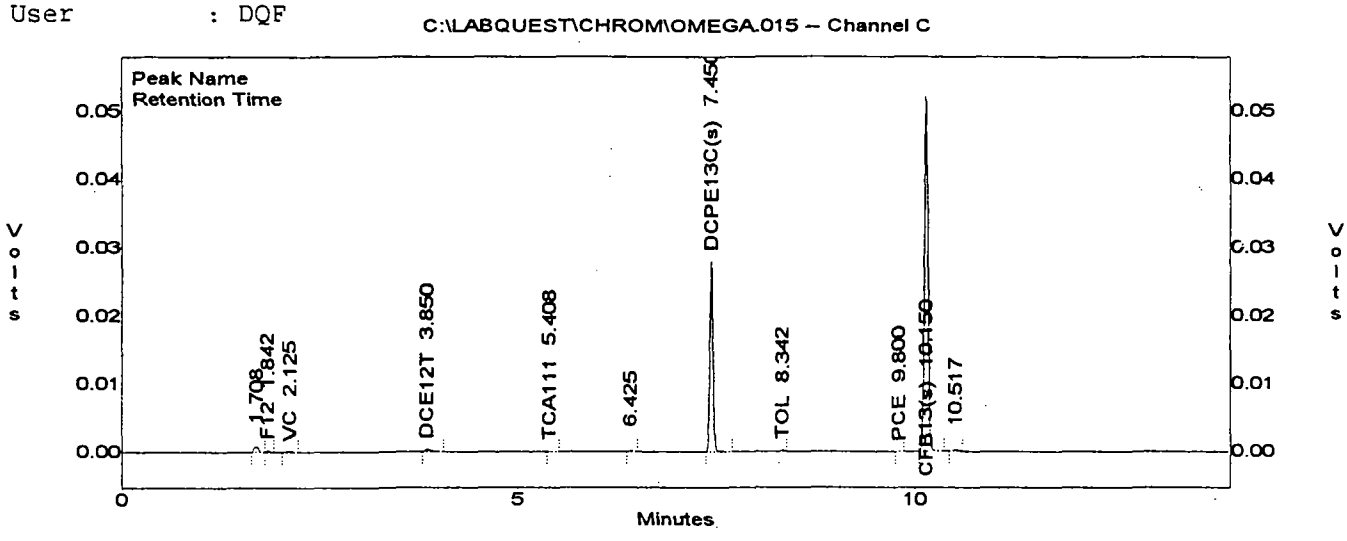
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.392	0	0.000	0
--	DCE11	4.200	0	0.000	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
--	BNZ	7.825	0	0.000	0
--	TCE	8.858	0	0.000	0
1	DCPE13C(s)	10.625	131428	1038.445	0
2		10.883	1292	0.000	0
3	TOL	11.225	459	0.117	0
4		11.725	324	0.000	0
5	PCE	12.283	3240	1.667	0
6	CFB13(s)	13.467	476911	1045.808	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
7		17.717	29977	0.000	0
8		17.950	3461	0.000	0
9		18.442	435	0.000	0
10		18.725	1745	0.000	0

Totals :

649276 2086.038

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.015
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-12
Acquired : Nov 14, 1995 15:25:17
Printed : Nov 14, 1995 15:44:50
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.708	3691	0.000	0
2	F12	1.842	709	8.132	0
3	VC	2.125	896	1.434	0
--	CLET	2.417	0	0.000	0
--	F11	2.850	0	0.000	0
--	11DCE	3.208	0	0.000	0
--	DCM	3.292	0	0.000	0
--	F113	3.458	0	0.000	0
4	DCE12T	3.850	1889	4.764	0
--	DCA11	3.958	0	0.000	0
--	DCE12C	4.492	0	0.000	0
--	CLFM	4.683	0	0.000	0
--	DCA12	5.167	0	0.000	0
5	TCA111	5.408	239	0.773	0
--	BNZ	5.683	0	0.000	0
--	CBTC	5.792	0	0.000	0
6		6.425	636	0.000	0
--	TCE	6.550	0	0.000	0
7	DCPE13C(s)	7.450	77049	1093.133	0
--	TCA112	8.058	0	0.000	0
8	TOL	8.342	524	0.350	0
9	PCE	9.800	237	0.967	0
10	CFB13(s)	10.150	169281	1093.109	0
11		10.517	1012	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.015
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG15-12
Acquired : Nov 14, 1995 15:25:17
Printed : Nov 14, 1995 15:44:51
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

	256168	2202.663

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 16-6'	Probe Depth (ft): 6'
Time Sampled: 14:26	Sampled by: WM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Clear	Ground Surface: Concrete
Air Temp. (F): 70.2°F	Wind dir/speed: SW 0-5 mph

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 70 mL
Notes:	Syringe ID: A ____ B ____

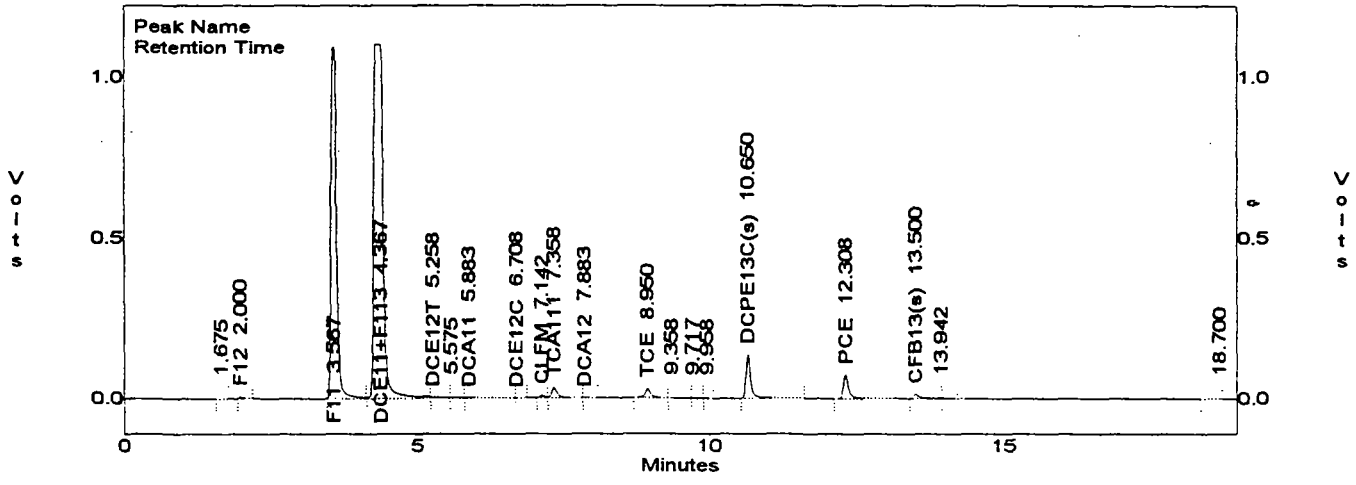
Analytical Summary

Chemist: DCF	Volume Analyzed: 1 mL
Recd. Date: 11/14/95 Time: 14:28	Time Injected: 14:45 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	12		11DCE	400	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	1000		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	14		o-Xylene		
11DCA	11				
c-12DCE	<1				
Chloroforme	6.4		Freon 113	9000	
111TCA	39				
Carbon Tetrachloride	<1				
12DCA	1.0				
TCE	44				
112TCA	<1		% Surr. 1, ELCD	103	
PCE	90		% Surr. 2, ELCD	73	
1112PCA	<1		% Surr. 1, PID	103	
1122PCA	<1		% Surr. 2, PID	103	
			% Surr. 1, FID	114	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.016
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-6
Acquired : Nov 14, 1995 15:49:42
Printed : Nov 14, 1995 16:09:04
User : DQF

C:\LABQUEST\CHROM\OMEGA.016 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	1557	0.000		0
2	F12	2.000	25819	12.126	✓	0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
3	F11	3.567	7342059	1002.951	✓	0
4	DCE11+F113	4.367	11994331	3035.043		0
--	DCM	4.900	0	0.000		0
5	DCE12T	5.258	64760	13.919	✓	0
6		5.575	33613	0.000		0
7	DCA11	5.883	62193	10.829	✓	0
8	DCE12C	6.708	2278	0.489		0
9	CLFM	7.142	46051	6.393	✓	0
10	TCA111	7.358	245058	38.741	✓	0
--	CBTC	7.533	0	0.000		0
11	DCA12	7.883	3881	1.032	✓	0
12	TCE	8.950	216332	43.509	✓	0
13		9.358	13691	0.000		0
14		9.717	1826	0.000		0
15		9.958	510	0.000		0
16	DCPE13C(s)	10.650	811286	1031.335		0
--	TCA112	12.033	0	0.000		0
17	PCE	12.308	485166	89.637	✓	0
18	CFB13(s)	13.500	99365	729.985		0
19		13.942	3912	0.000		0
--	PCA1112	14.317	0	0.000		0
--	PCA1122	17.292	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.016
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-6
Acquired : Nov 14, 1995 15:49:42
Printed : Nov 14, 1995 16:09:06
User : DQF

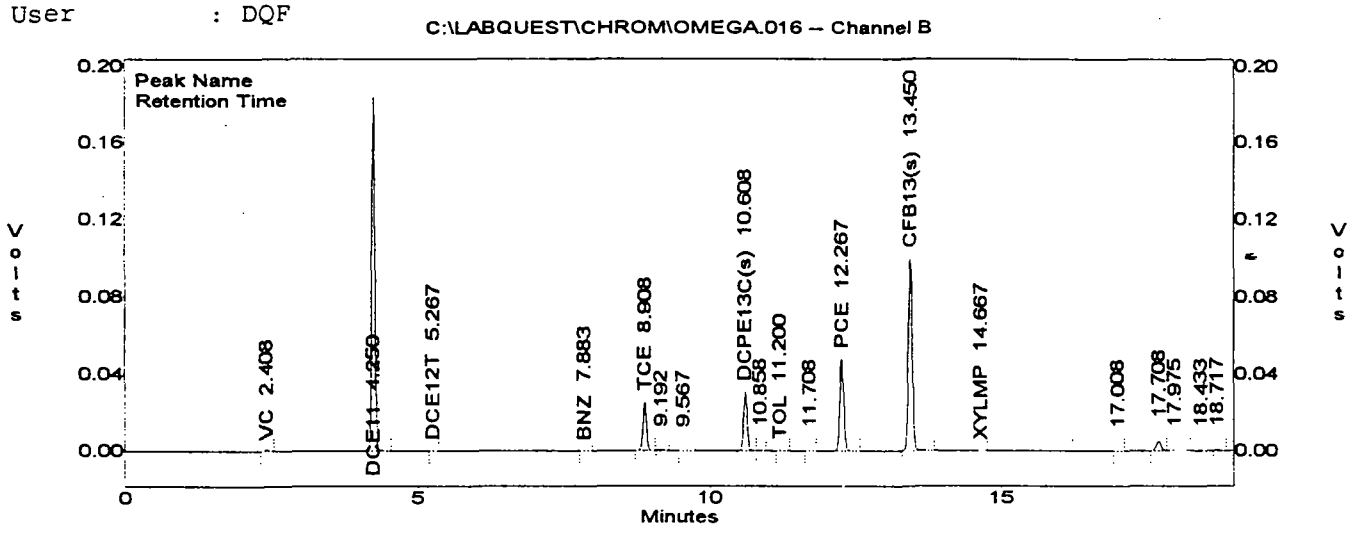
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
20		18.700	1002	0.000	0

Totals :

	21454698	6015.989

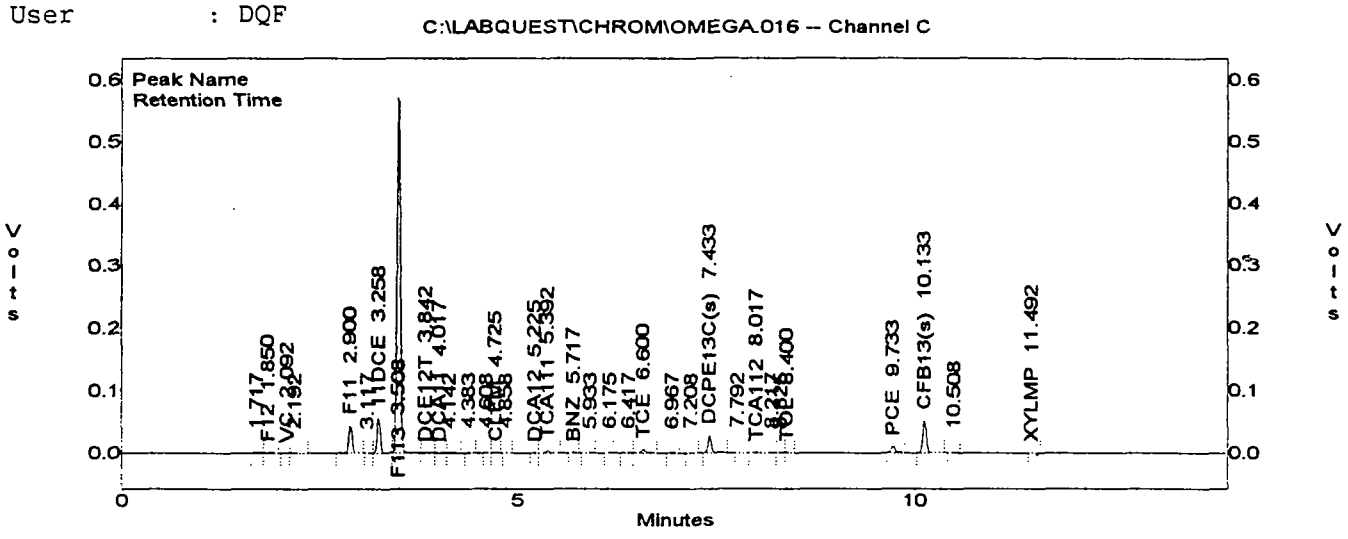
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.016
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-6
Acquired : Nov 14, 1995 15:49:42
Printed : Nov 14, 1995 16:09:09
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.408	3134	4.234	0
2	DCE11	4.250	674570	396.977	0
3	DCE12T	5.267	571	0.150	0
--	DCE12C	6.575	0	0.000	0
4	BNZ	7.883	600	0.141	0
5	TCE	8.908	105650	43.995	0
6		9.192	1898	0.000	0
7		9.567	755	0.000	0
8	DCPE13C(s)	10.608	129749	1025.179	0
9		10.858	972	0.000	0
10	TOL	11.200	515	0.132	0
11		11.708	399	0.000	0
12	PCE	12.267	231313	118.985	0
13	CFB13(s)	13.450	471745	1034.479	0
--	EB	14.350	0	0.000	0
14	XYLMP	14.667	412	0.101	0
--	XYLO	15.533	0	0.000	0
15		17.008	301	0.000	0
16		17.708	28759	0.000	0
17		17.975	3982	0.000	0
18		18.433	625	0.000	0
19		18.717	2522	0.000	0
Totals :			1658481	2624.372	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.016
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-6
Acquired : Nov 14, 1995 15:49:42
Printed : Nov 14, 1995 16:09:13
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.717	5102	0.000	0
2	F12	1.850	3198	36.664	0
3	VC	2.092	1118	1.790	0
4		2.192	2365	0.000	0
--	CLET	2.417	0	0.000	0
5	F11	2.900	141477	1484.182	0
6		3.117	425	0.000	0
7	11DCE	3.258	165585	449.554	0
--	DCM	3.292	0	0.000	0
8	F113	3.508	1729329	8954.987	0
9	DCE12T	3.842	2946	7.430	0
10	DCA11	4.017	2323	5.688	0
11		4.142	960	0.000	0
12		4.383	495	0.000	0
--	DCE12C	4.492	0	0.000	0
13		4.608	423	0.000	0
14	CLFM	4.725	1482	9.455	0
15		4.858	228	0.000	0
16	DCA12	5.225	415	1.029	0
17	TCA111	5.392	12459	40.194	0
18	BNZ	5.717	400	0.263	0
--	CBTC	5.792	0	0.000	0
19		5.933	545	0.000	0
20		6.175	363	0.000	0
21		6.417	720	0.000	0
22	TCE	6.600	18766	60.694	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.016
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-6
Acquired : Nov 14, 1995 15:49:42
Printed : Nov 14, 1995 16:09:15
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
23		6.967	2272	0.000	0
24		7.208	1271	0.000	0
25	DCPE13C(s)	7.433	80572	1143.105	0
26		7.792	215	0.000	0
27	TCA112	8.017	522	1.739	0
28		8.217	688	0.000	0
29		8.325	802	0.000	0
30	TOL	8.400	435	0.291	0
31	PCE	9.733	31146	126.795	0
32	CFB13(s)	10.133	168023	1084.987	0
33		10.508	939	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
34	XYLMP	11.492	284	0.193	0
--	XYLO	12.150	0	0.000	0

Totals :

2378307	13409.041	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 24 - 6	Probe Depth (ft): 6'
Time Sampled: 15:00	Sampled by: WM
Date Sampled: 11.14.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Cloudy	Ground Surface: CONCRETE
Air Temp. (F): 70° F	Wind dir/speed: SW 0-5 mph

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

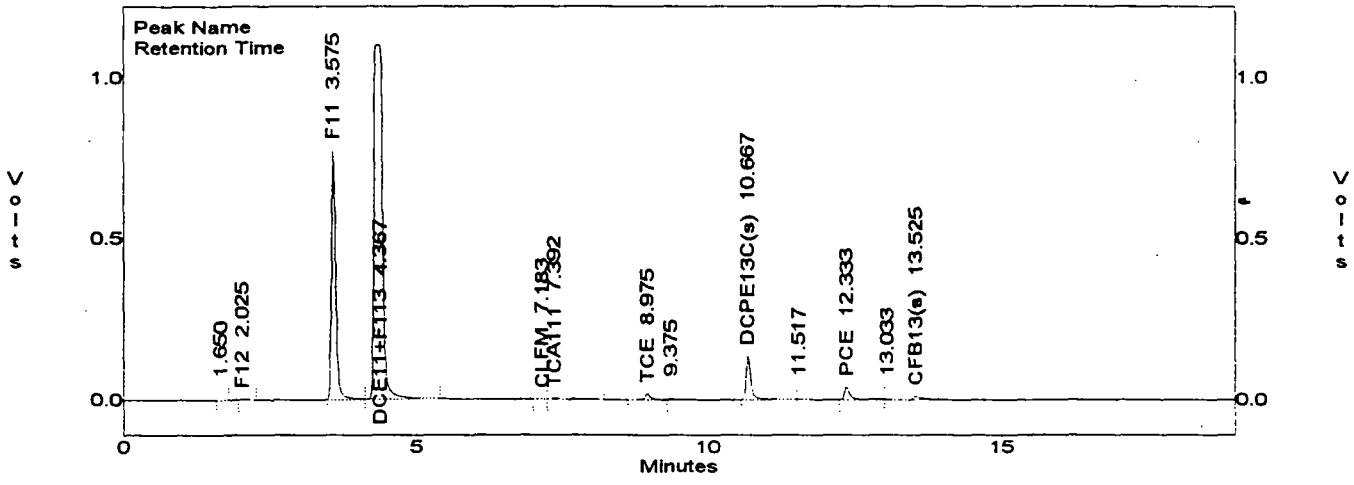
Analytical Summary

Chemist: DBF	Volume Analyzed: 1 mL
Recd. Date: 11/14/95 Time: 15:02	Time Injected: 15:06 Loop #: M.

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	4.7.		11DCE	120	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	550		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme	1.3		Freon 113	7200	
111TCA	7.0				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	28				
112TCA	<1		% Surr. 1, ELCD	103	
PCE	52		% Surr. 2, ELCD	~~67~~66	
1112PCA	<1		% Surr. 1, PID	102	
1122PCA	<1		% Surr. 2, PID	103	
			% Surr. 1, FID	110	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.017
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-6
Acquired : Nov 14, 1995 16:14:08
Printed : Nov 14, 1995 16:33:33
User : DQF

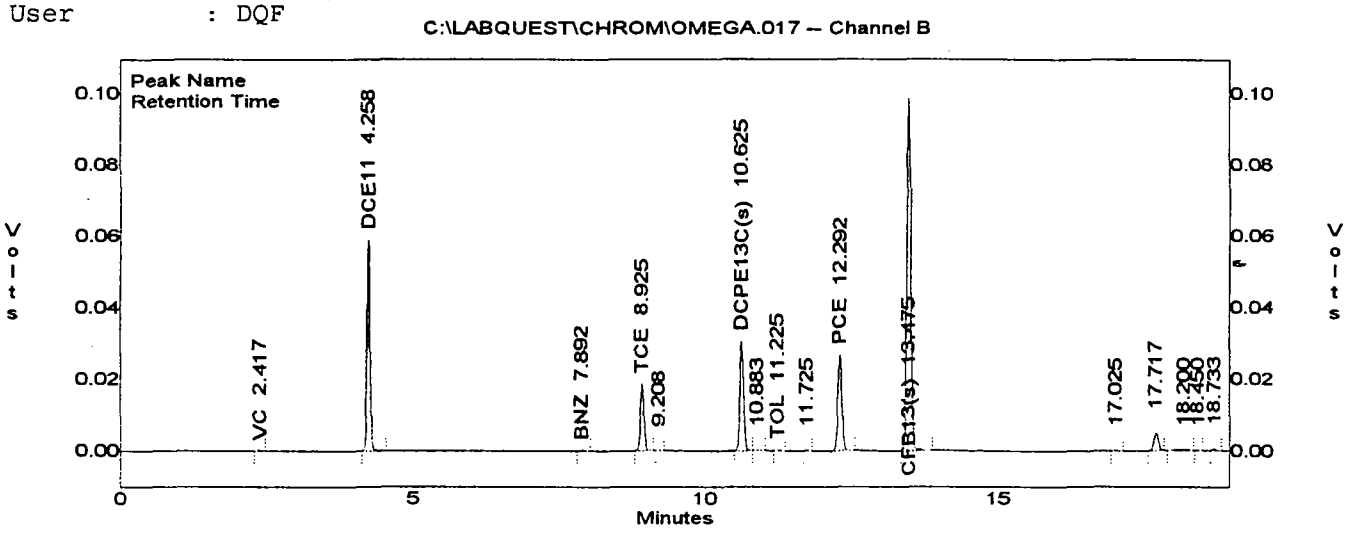
C:\LABQUEST\CHROM\OMEGA.017 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	2247	0.000	0
2	F12	2.025	10073	4.731	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.575	4048905	553.095	0
4	DCE11+F113	4.367	11089444	2806.070	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
--	DCA11	5.808	0	0.000	0
--	DCE12C	6.608	0	0.000	0
5	CLFM	7.183	9676	1.343	0
6	TCA111	7.392	44094	6.971	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
7	TCE	8.975	137351	27.625	0
8		9.375	10025	0.000	0
9	DCPE13C(s)	10.667	810355	1030.151	0
10		11.517	2045	0.000	0
--	TCA112	12.033	0	0.000	0
11	PCE	12.333	282854	52.259	0
12		13.033	3166	0.000	0
13	CFB13(s)	13.525	89431	657.006	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0
Totals :			16539670	5139.250	

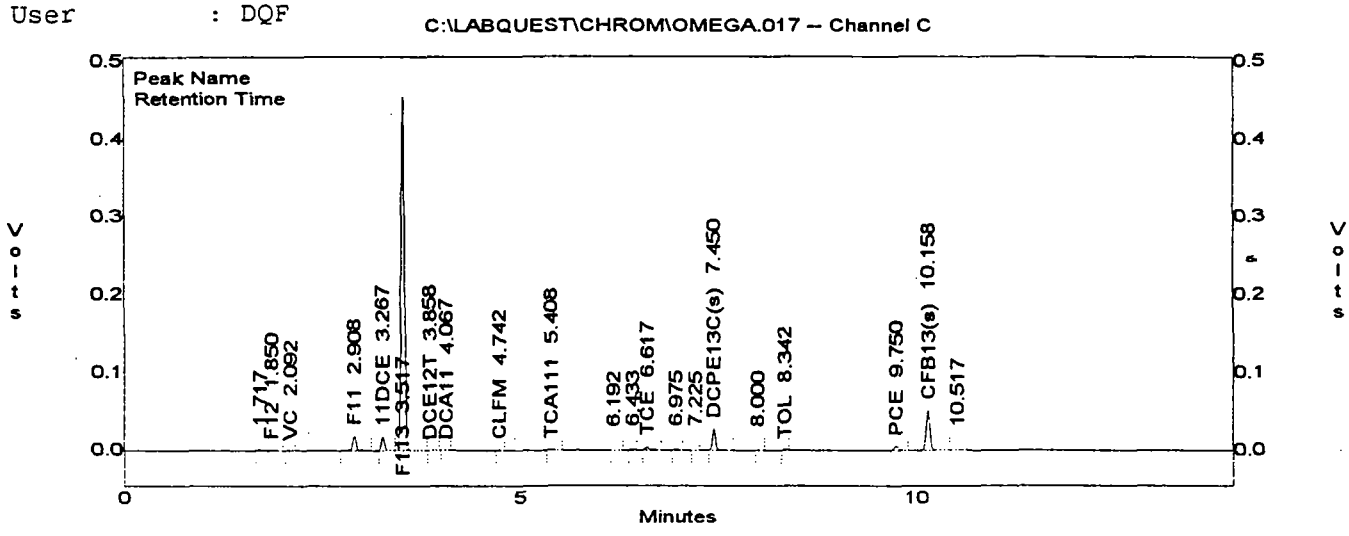
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.017
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-6
Acquired : Nov 14, 1995 16:14:08
Printed : Nov 14, 1995 16:33:38
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.417	695	0.939	0
2	DCE11	4.258	211041	124.195	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
3	BNZ	7.892	514	0.121	0
4	TCE	8.925	76732	31.953	0
5		9.208	436	0.000	0
6	DCPE13C(s)	10.625	129440	1022.741	0
7		10.883	1186	0.000	0
8	TOL	11.225	334	0.085	0
9		11.725	309	0.000	0
10	PCE	12.292	127612	65.643	0
11	CFB13(s)	13.475	469810	1030.235	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
12		17.025	363	0.000	0
13		17.717	27302	0.000	0
14		18.200	2534	0.000	0
15		18.450	574	0.000	0
16		18.733	2385	0.000	0
Totals :			1051272	2275.913	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.017
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-6
Acquired : Nov 14, 1995 16:14:08
Printed : Nov 14, 1995 16:33:42
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.717	4820	0.000		0
2	F12	1.850	1908	21.884		0
3	VC	2.092	605	0.968		0
--	CLET	2.417	0	0.000		0
4	F11	2.908	61686	647.122		0
5	11DCE	3.267	50538	137.209		0
--	DCM	3.292	0	0.000		0
6	F113	3.517	1381543	7154.046	✓	0
7	DCE12T	3.858	1043	2.630		0
8	DCA11	4.067	398	0.974		0
--	DCE12C	4.492	0	0.000		0
9	CLFM	4.742	412	2.628		0
--	DCA12	5.167	0	0.000		0
10	TCA111	5.408	2336	7.537		0
--	BNZ	5.683	0	0.000		0
--	CBTC	5.792	0	0.000		0
11		6.192	234	0.000		0
12		6.433	612	0.000		0
13	TCE	6.617	12515	40.476		0
14		6.975	1099	0.000		0
15		7.225	215	0.000		0
16	DCPE13C(s)	7.450	77290	1096.553		0
17		8.000	211	0.000		0
--	TCA112	8.058	0	0.000		0
18	TOL	8.342	508	0.340		0
19	PCE	9.750	17743	72.232		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.017
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-6
[redacted]ired : Nov 14, 1995 16:14:08
[redacted]ted : Nov 14, 1995 16:33:43
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
20	CFB13(s)	10.158	168006	1084.876	0
21		10.517	1117	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

1784845 10269.476

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 29-12	Probe Depth (ft): 12'
Time Sampled: 15:21	Sampled by: WM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: concrete
Air Temp. (F): 68.7°F	Wind dir/speed: SW 0-5 mph

Sample Parameters

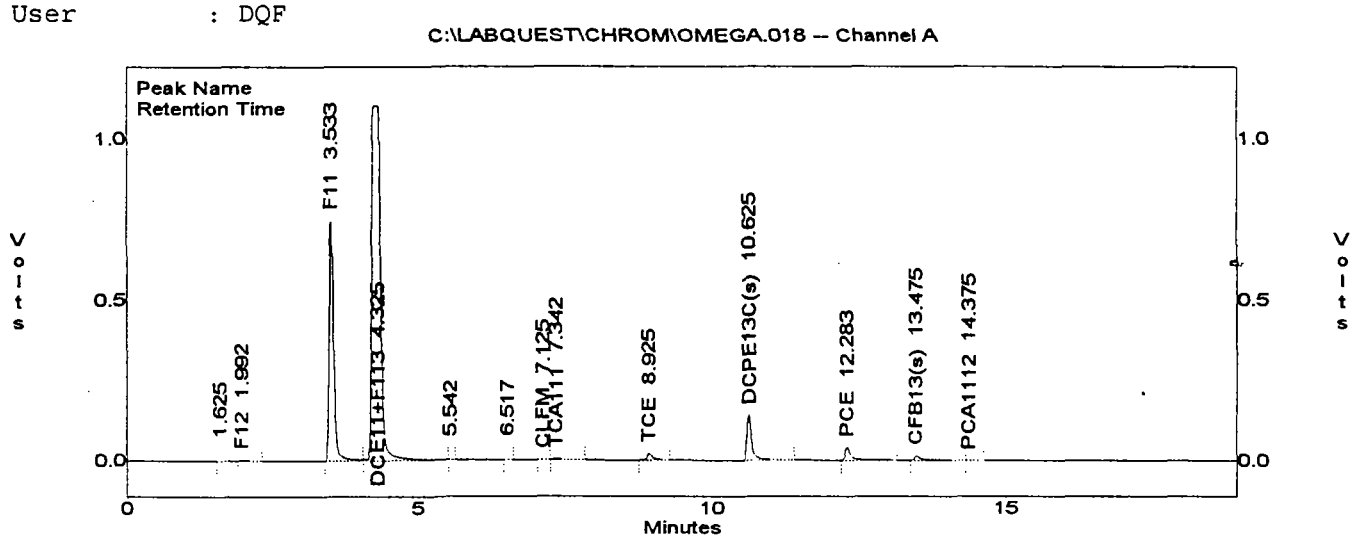
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .75	Equilibrium Time: :01
Purge Time (min.): :03	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 15:25	Time Injected: 15:32 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	3.5		11DCE	120	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	570		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme	1.2		Freon 113	6800	
111TCA	6.0				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	27				
112TCA	<1		% Surr. 1, ELCD	104	
PCE	51		% Surr. 2, ELCD	82	
1112PCA	<1		% Surr. 1, PID	102	
1122PCA	<1		% Surr. 2, PID	102	
			% Surr. 1, FID	110	
			% Surr. 2, FID	108	

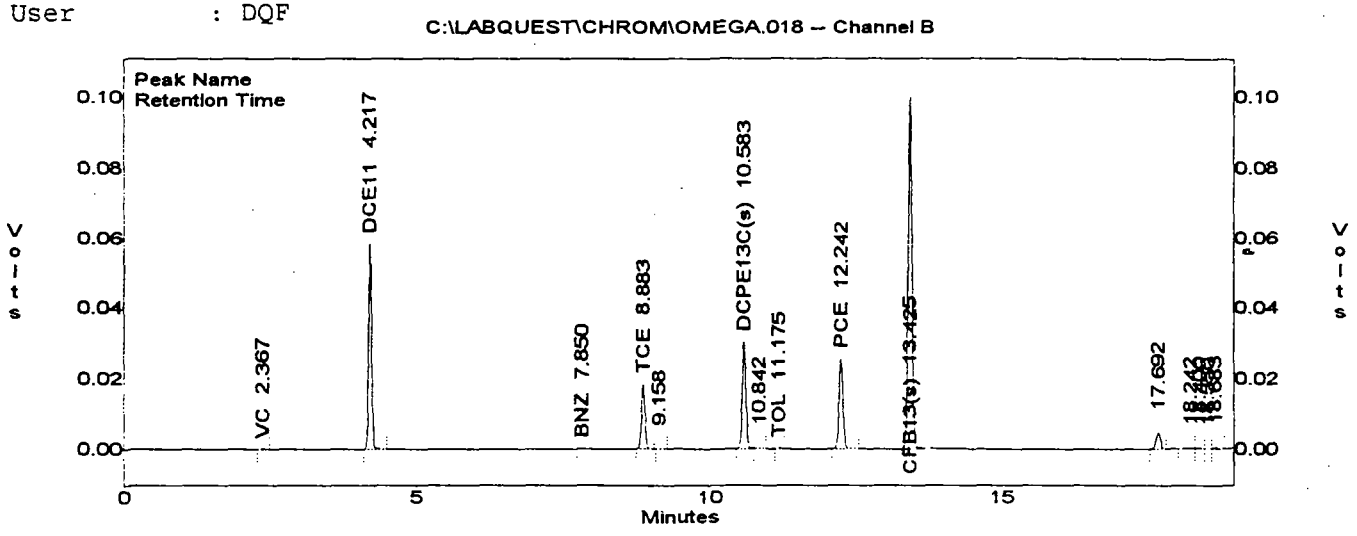
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.018
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-12
Acquired : Nov 14, 1995 16:38:20
Printed : Nov 14, 1995 16:57:47
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	3066	0.000	0
2	F12	1.992	11807	5.545	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.533	4141133	565.693	0
4	DCE11+F113	4.325	11141007	2819.118	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
5		5.542	1616	0.000	0
--	DCA11	5.808	0	0.000	0
6		6.517	587	0.000	0
--	DCE12C	6.608	0	0.000	0
7	CLFM	7.125	8435	1.171	0
8	TCA111	7.342	38202	6.039	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
9	TCE	8.925	136664	27.486	0
10	DCPE13C(s)	10.625	819802	1042.161	0
--	TCA112	12.033	0	0.000	0
11	PCE	12.283	275823	50.960	0
12	CFB13(s)	13.475	111538	819.417	0
13	PCA1112	14.375	1286	0.205	0
--	PCA1122	17.292	0	0.000	0
Totals :			16690972	5337.796	

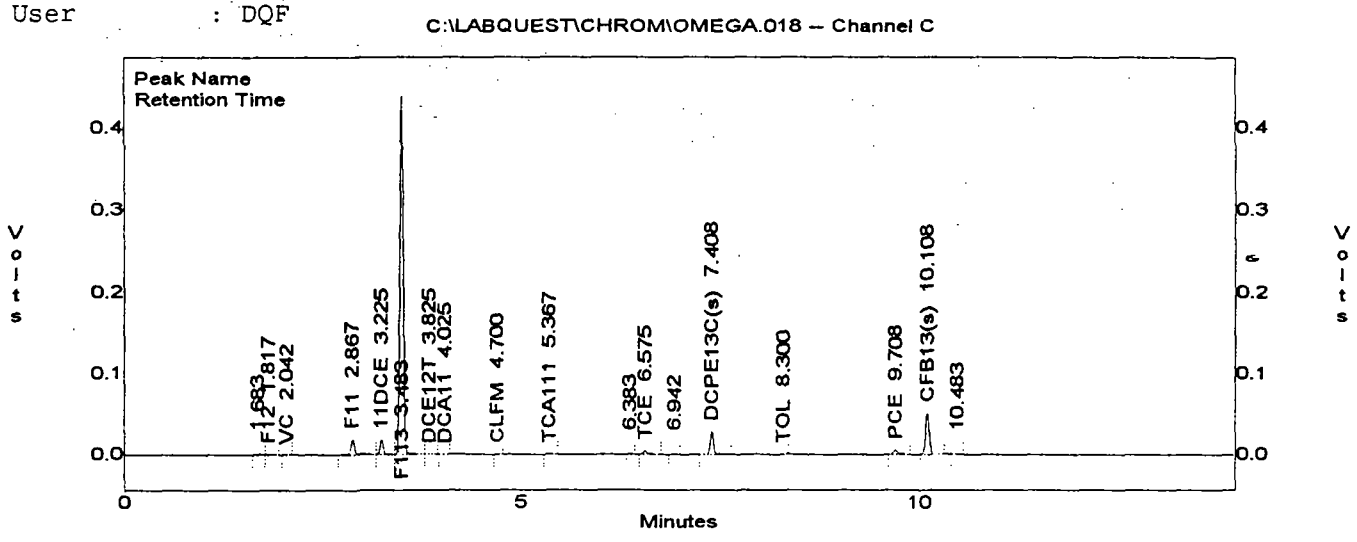
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.018
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-12
Acquired : Nov 14, 1995 16:38:20
Printed : Nov 14, 1995 16:57:51
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.367	610	0.825	0
2	DCE11	4.217	209533	123.308	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
3	BNZ	7.850	446	0.105	0
4	TCE	8.883	77123	32.116	0
5		9.158	431	0.000	0
6	DCPE13C(s)	10.583	128722	1017.063	0
7		10.842	1138	0.000	0
8	TOL	11.175	380	0.097	0
9	PCE	12.242	122717	63.125	0
10	CFB13(s)	13.425	466053	1021.997	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
11		17.692	25012	0.000	0
12		18.242	3062	0.000	0
13		18.400	1719	0.000	0
14		18.550	352	0.000	0
15		18.683	1993	0.000	0
Totals :			1039296	2258.636	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.018
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-12
Acquired : Nov 14, 1995 16:38:20
Printed : Nov 14, 1995 16:57:55
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.683	4803	0.000		0
2	F12	1.817	1870	21.440		0
3	VC	2.042	407	0.652		0
--	CLET	2.417	0	0.000		0
4	F11	2.867	60453	634.195		0
5	11DCE	3.225	50218	136.339		0
--	DCM	3.292	0	0.000		0
6	F113	3.483	1313705	6802.759	✓	0
7	DCE12T	3.825	1078	2.718		0
8	DCA11	4.025	375	0.918		0
--	DCE12C	4.492	0	0.000		0
9	CLFM	4.700	377	2.405		0
--	DCA12	5.167	0	0.000		0
10	TCA111	5.367	2173	7.012		0
--	BNZ	5.683	0	0.000		0
--	CBTC	5.792	0	0.000		0
11		6.383	536	0.000		0
12	TCE	6.575	12603	40.761		0
13		6.942	1113	0.000		0
14	DCPE13C(s)	7.408	77332	1097.145		0
--	TCA112	8.058	0	0.000		0
15	TOL	8.300	494	0.331		0
16	PCE	9.708	17373	70.725		0
17	CFB13(s)	10.108	167164	1079.439		0
18		10.483	895	0.000		0
--	PCA1112	10.567	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.018
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG24-12
Acquired : Nov 14, 1995 16:38:20
Printed : Nov 14, 1995 16:57:57
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

1712974	9896.840

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB17-6	Probe Depth (ft): 6'
Time Sampled: 15:43	Sampled by: Um
Date Sampled: 11.14.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: CLEAR	Ground Surface: CONCRETE
Air Temp. (F): 66.6°F	Wind dir/speed: SW 0-5mph

Sample Parameters

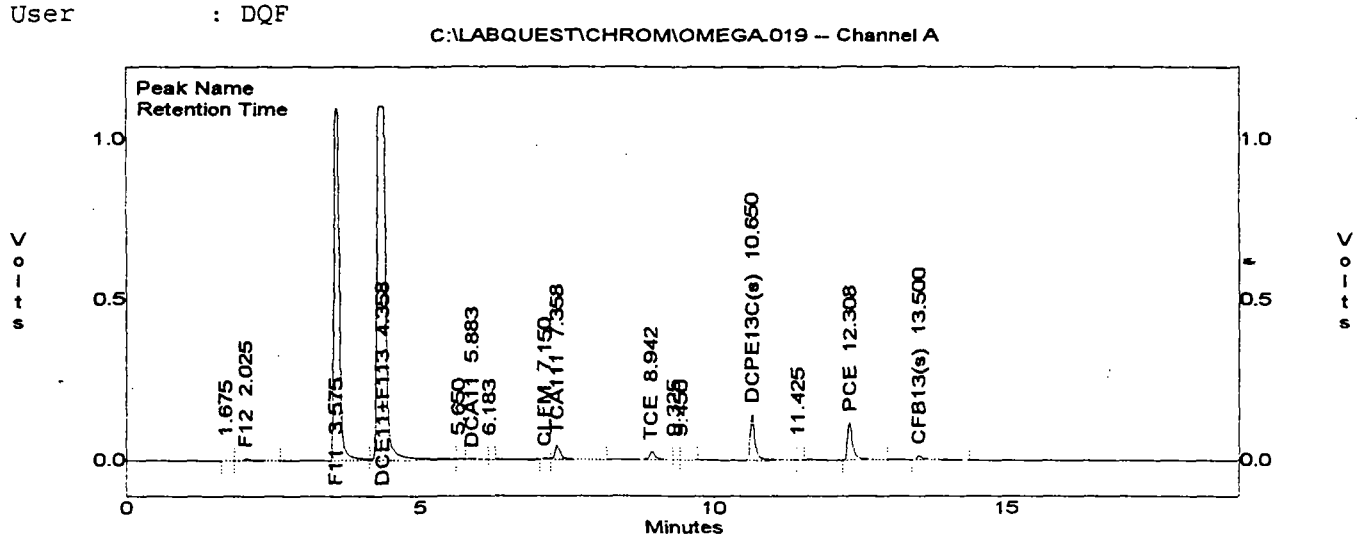
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 21
Purge Volume (liters): .50	Equilibrium Time: :04
Purge Time (min.): :07	Sample Volume (ml): 20ml
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 15:45	Time Injected: 15:57 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	24		11DCE	370	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	980		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	<1		o-Xylene	↓	
11DCA	4.2				
c-12DCE	<1				
Chloroforme	4.2		Freon 113	7500	
111TCA	50 4.2				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	41				
112TCA	<1		% Surr. 1, ELCD	106	
PCE	130		% Surr. 2, ELCD	81	
1112PCA	<1		% Surr. 1, PID	101	
1122PCA	<1		% Surr. 2, PID	102	
			% Surr. 1, FID	116	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.019
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-6
Acquired : Nov 14, 1995 17:02:31
Printed : Nov 14, 1995 17:21:53
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	2333	0.000		0
2	F12	2.025	51824	24.339	✓	0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
3	F11	3.575	7184030	981.364	✓	0
4	DCE11+F113	4.358	11298191	2858.892		0
--	DCM	4.900	0	0.000		0
--	DCE12T	5.258	0	0.000		0
5		5.650	13560	0.000		0
6	DCA11	5.883	23858	4.154	✓	0
7		6.183	1616	0.000		0
--	DCE12C	6.608	0	0.000		0
8	CLFM	7.150	30609	4.249	✓	0
9	TCA111	7.358	319391	50.492	✓	0
--	CBTC	7.533	0	0.000		0
--	DCA12	7.908	0	0.000		0
10	TCE	8.942	202165	40.660	✓	0
11		9.325	5411	0.000		0
12		9.450	5882	0.000		0
13	DCPE13C(s)	10.650	833483	1059.552		0
14		11.425	719	0.000		0
--	TCA112	12.033	0	0.000		0
15	PCE	12.308	716482	132.373	✓	0
16	CFB13(s)	13.500	110394	811.007		0
--	PCA1112	14.317	0	0.000		0
--	PCA1122	17.292	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.019
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-6
Acquired : Nov 14, 1995 17:02:31
Printed : Nov 14, 1995 17:21:55
User : DQF

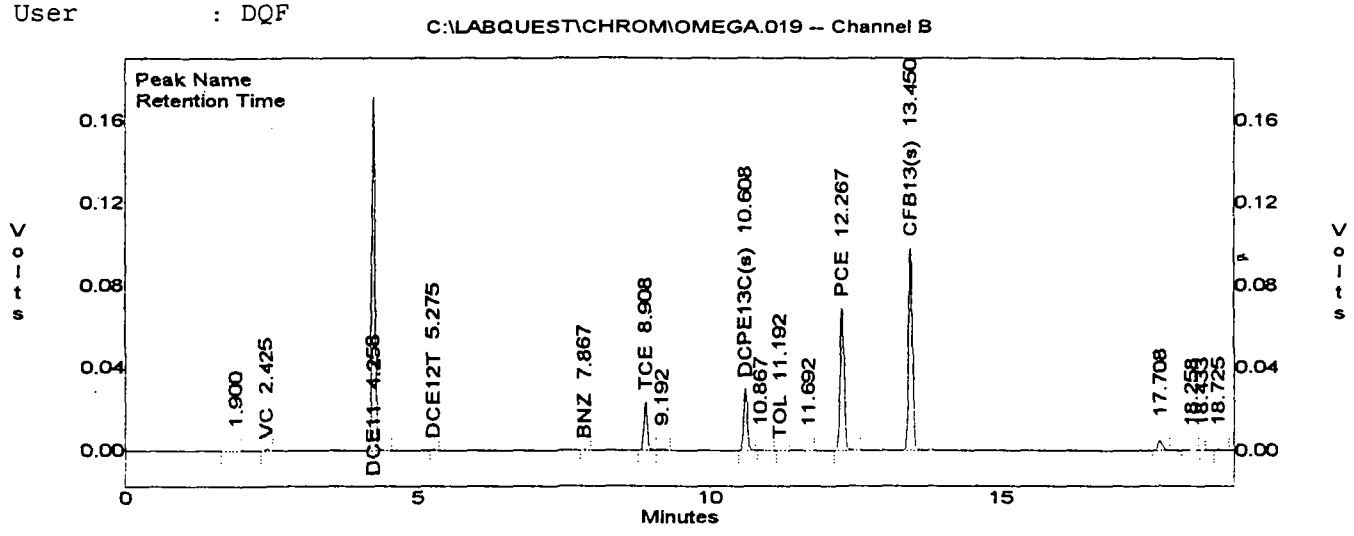
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf

Totals :

	20799956	5967.083

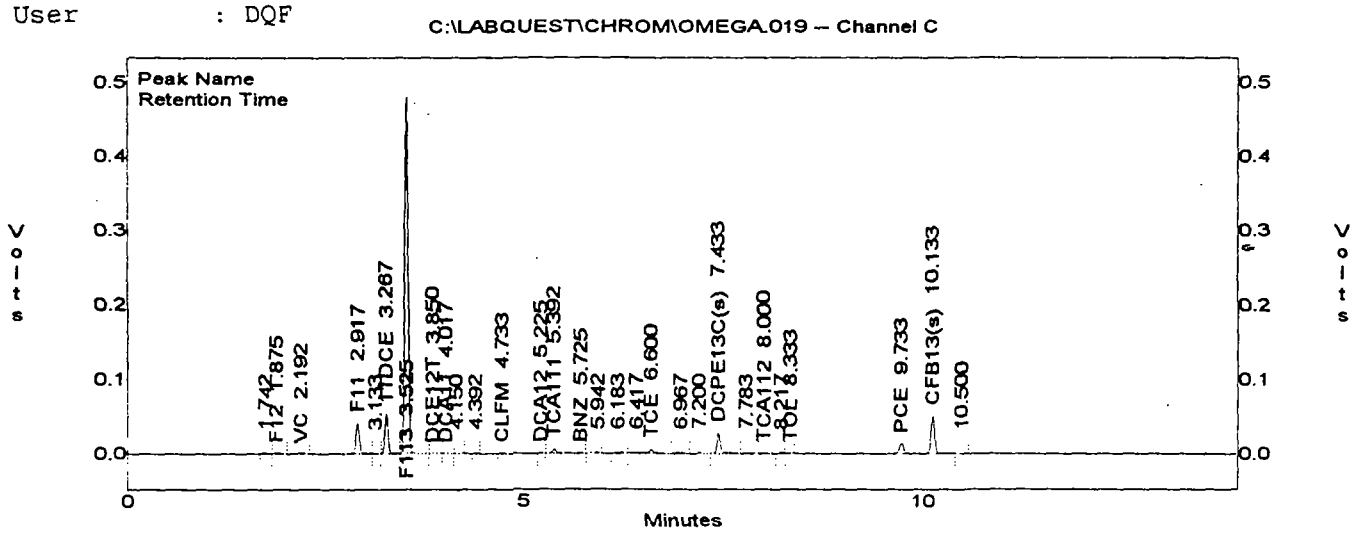
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.019
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-6
Acquired : Nov 14, 1995 17:02:31
Printed : Nov 14, 1995 17:21:57
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
1		1.900	402	0.000		0
2	VC	2.425	3427	4.629		0
3	DCE11	4.258	627980	369.559	✓	0
4	DCE12T	5.275	1674	0.440		0
--	DCE12C	6.575	0	0.000		0
5	BNZ	7.867	747	0.176		0
6	TCE	8.908	96661	40.252		0
7		9.192	3090	0.000		0
8	DCPE13C(s)	10.608	127401	1006.627		0
9		10.867	636	0.000		0
10	TOL	11.192	440	0.113		0
11		11.692	371	0.000		0
12	PCE	12.267	336669	173.180		0
13	CFB13(s)	13.450	463087	1015.494		0
--	EB	14.350	0	0.000		0
--	XYLMP	14.633	0	0.000		0
--	XYLO	15.533	0	0.000		0
14		17.708	26168	0.000		0
15		18.258	1570	0.000		0
16		18.433	301	0.000		0
17		18.725	2345	0.000		0
Totals :			1692976	2610.469		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.019
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-6
Acquired : Nov 14, 1995 17:02:31
Printed : Nov 14, 1995 17:22:02
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.742	5523	0.000	0
2	F12	1.875	3803	43.604	0
3	VC	2.192	3150	5.042	0
--	CLET	2.417	0	0.000	0
4	F11	2.917	133148	1396.807	0
5		3.133	650	0.000	0
6	11DCE	3.267	153806	417.575	0
--	DCM	3.292	0	0.000	0
7	F113	3.525	1446486	7490.343 ✓	0
8	DCE12T	3.850	2888	7.282	0
9	DCA11	4.017	2168	5.308	0
10		4.150	627	0.000	0
11		4.392	358	0.000	0
--	DCE12C	4.492	0	0.000	0
12	CLFM	4.733	1034	6.596	0
13	DCA12	5.225	292	0.725	0
14	TCA111	5.392	16213	52.304	0
15	BNZ	5.725	247	0.163	0
--	CBTC	5.792	0	0.000	0
16		5.942	623	0.000	0
17		6.183	801	0.000	0
18		6.417	871	0.000	0
19	TCE	6.600	17763	57.450	0
20		6.967	2300	0.000	0
21		7.200	294	0.000	0
22	DCPE13C(s)	7.433	81905	1162.017	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.019
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-6
Acquired : Nov 14, 1995 17:02:31
Printed : Nov 14, 1995 17:22:04
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
23		7.783	402	0.000	0
24	TCA112	8.000	455	1.513	0
25		8.217	507	0.000	0
26	TOL	8.333	468	0.313	0
27	PCE	9.733	45778	186.362	0
28	CFB13(s)	10.133	166981	1078.259	0
29		10.500	902	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

2090453 11911.664

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB17-12	Probe Depth (ft): 12'
Time Sampled: 15:55	Sampled by: WM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: CONCRETE
Air Temp. (F): 65.7°F	Wind dir/speed: SW 0-5 mph

Sample Parameters

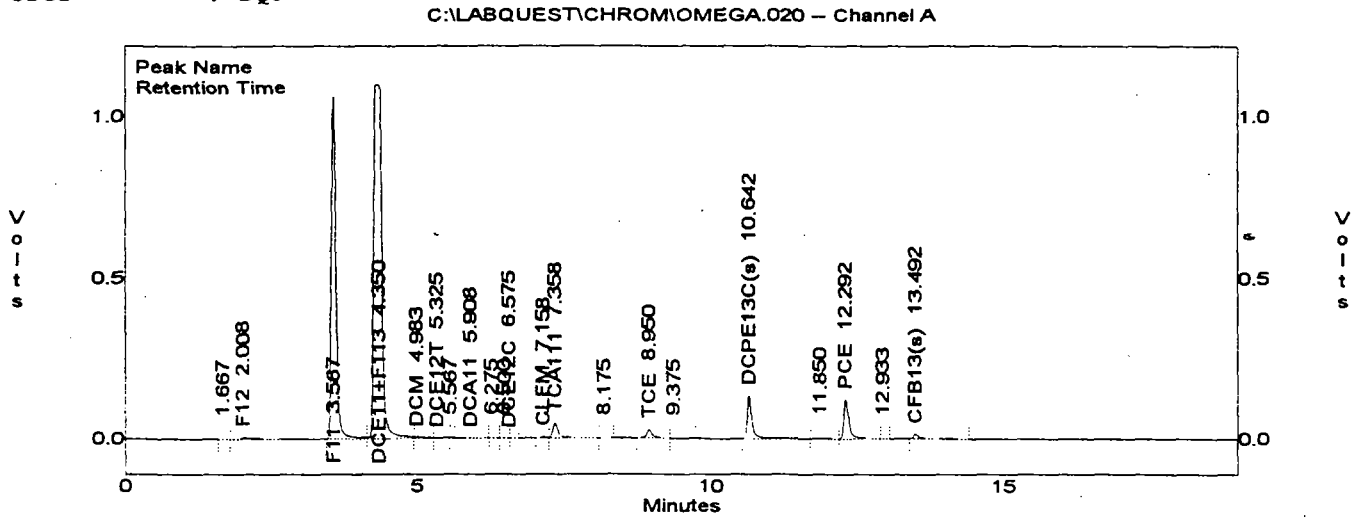
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 22
Purge Volume (liters): .75	Equilibrium Time: :08
Purge Time (min.): :04	Sample Volume (ml): 20 ml
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 15:56	Time Injected: 16:20 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	20		11DCE	360	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene	"	
Freon 11	830		Ethylbenzene	"	
Dichloromethane	<1		m/p-Xylene	"	
t-12DCE	4.2		o-Xylene	↓	
11DCA	1.2				
c-12DCE	<1				
Chloroforme	3.7		Freon 113	6500	
111TCA	54				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	43				
112TCA	<1		% Surr. 1, ELCD	100	
PCE	140 ~~440~~		% Surr. 2, ELCD	89	
1112PCA	<1		% Surr. 1, PID	100	
1122PCA	<1		% Surr. 2, PID	101	
			% Surr. 1, FID	116	
			% Surr. 2, FID	107	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.020
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-12 6
Acquired : Nov 14, 1995 17:26:53
Printed : Nov 14, 1995 17:46:18
User : DQF 6



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	3069	0.000	0
2	F12	2.008	42916	20.156 ✓	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.567	6084346	831.143 ✓	0
4	DCE11+F113	4.350	10568314	2674.204	0
5	DCM	4.983	56038	15.685 X	0
6	DCE12T	5.325	19315	4.152 ✓	0
7		5.567	1465	0.000	0
8	DCA11	5.908	7144	1.244 ✓	0
9		6.275	1037	0.000	0
10		6.500	1285	0.000	0
11	DCE12C	6.575	1047	0.225	0
12	CLFM	7.158	26730	3.711 ✓	0
13	TCA111	7.358	338848	53.568 ✓	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
14		8.175	1602	0.000	0
15	TCE	8.950	215082	43.258 ✓	0
16		9.375	14468	0.000	0
17	DCPE13C(s)	10.642	784992	997.910	0
18		11.850	6144	0.000	0
--	TCA112	12.033	0	0.000	0
19	PCE	12.292	781124	144.316 ✓	0
20		12.933	2365	0.000	0
21	CFB13(s)	13.492	121519	892.738	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.020
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-12
Acquired : Nov 14, 1995 17:26:53
Printed : Nov 14, 1995 17:46:20
User : DQF

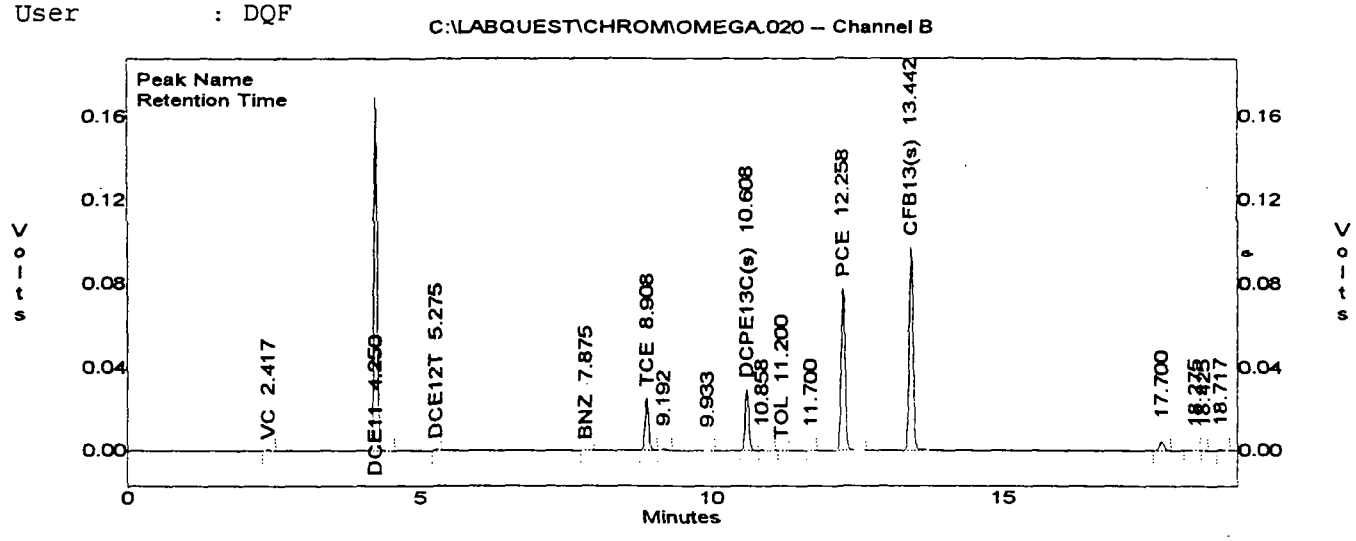
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0

Totals :

	19078858	5682.309

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.020
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-12
Acquired : Nov 14, 1995 17:26:53
Printed : Nov 14, 1995 17:46:23
User : DQF



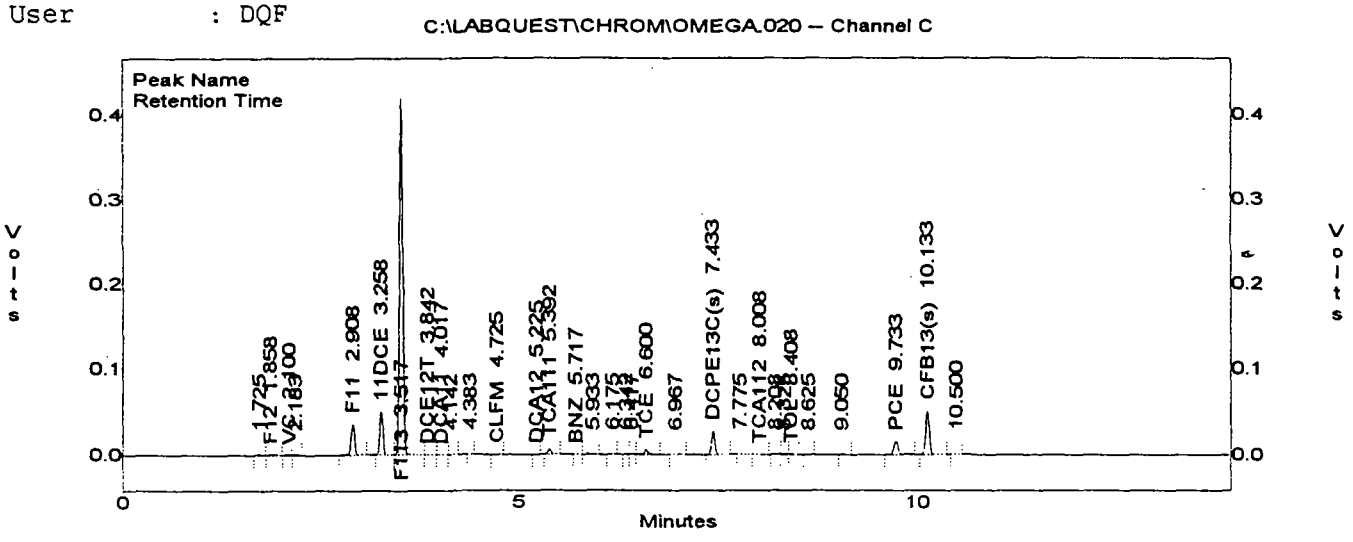
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1	VC	2.417	2614	3.532		0
2	DCE11	4.250	615820	362.403		0
3	DCE12T	5.275	2132	0.560		0
--	DCE12C	6.575	0	0.000		0
4	BNZ	7.875	811	0.191		0
5	TCE	8.908	105363	43.875		0
6		9.192	3046	0.000		0
7		9.933	397	0.000		0
8	DCPE13C(s)	10.608	126971	1003.228		0
9		10.858	618	0.000		0
10	TOL	11.200	445	0.114		0
11		11.700	402	0.000		0
12	PCE	12.258	379599	195.262		0
13	CFB13(s)	13.442	459878	1008.456		0
--	EB	14.350	0	0.000		0
--	XYLMP	14.633	0	0.000		0
--	XYLO	15.533	0	0.000		0
14		17.700	25030	0.000		0
15		18.275	1324	0.000		0
16		18.425	470	0.000		0
17		18.717	2555	0.000		0

Totals :

1727481	2617.621	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.020
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-12
Acquired : Nov 14, 1995 17:26:53
Printed : Nov 14, 1995 17:46:27
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.725	4859	0.000		0
2	F12	1.858	3513	40.279		0
3	VC	2.100	979	1.568		0
4		2.183	1815	0.000		0
--	CLET	2.417	0	0.000		0
5	F11	2.908	118027	1238.173		0
6	11DCE	3.258	149363	405.512		0
--	DCM	3.292	0	0.000		0
7	F113	3.517	1254065	6493.928	✓	0
8	DCE12T	3.842	2139	5.393		0
9	DCA11	4.017	1997	4.888		0
10		4.142	664	0.000		0
11		4.383	306	0.000		0
--	DCE12C	4.492	0	0.000		0
12	CLFM	4.725	1042	6.651		0
13	DCA12	5.225	334	0.829		0
14	TCA111	5.392	17581	56.715		0
15	BNZ	5.717	296	0.195		0
--	CBTC	5.792	0	0.000		0
16		5.933	636	0.000		0
17		6.175	455	0.000		0
18		6.342	456	0.000		0
19		6.417	517	0.000		0
20	TCE	6.600	18814	60.851		0
21		6.967	2399	0.000		0
22	DCPE13C(s)	7.433	81882	1161.701		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.020
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG17-12
uired : Nov 14, 1995 17:26:53
inted : Nov 14, 1995 17:46:29
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
23		7.775	548	0.000	0
24	TCA112	8.008	727	2.420	0
25		8.208	777	0.000	0
26		8.325	783	0.000	0
27	TOL	8.408	404	0.270	0
28		8.625	245	0.000	0
29		9.050	354	0.000	0
30	PCE	9.733	51808	210.912	0
31	CFB13(s)	10.133	165207	1066.798	0
32		10.500	835	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

1883841 10757.084

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB9-6	Probe Depth (ft): 6'
Time Sampled: 16:25	Sampled by: WM
Date Sampled: 11-14-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: CLEAR	Ground Surface: CONCRETE
Air Temp. (F): 63.5	Wind dir/speed:

Sample Parameters

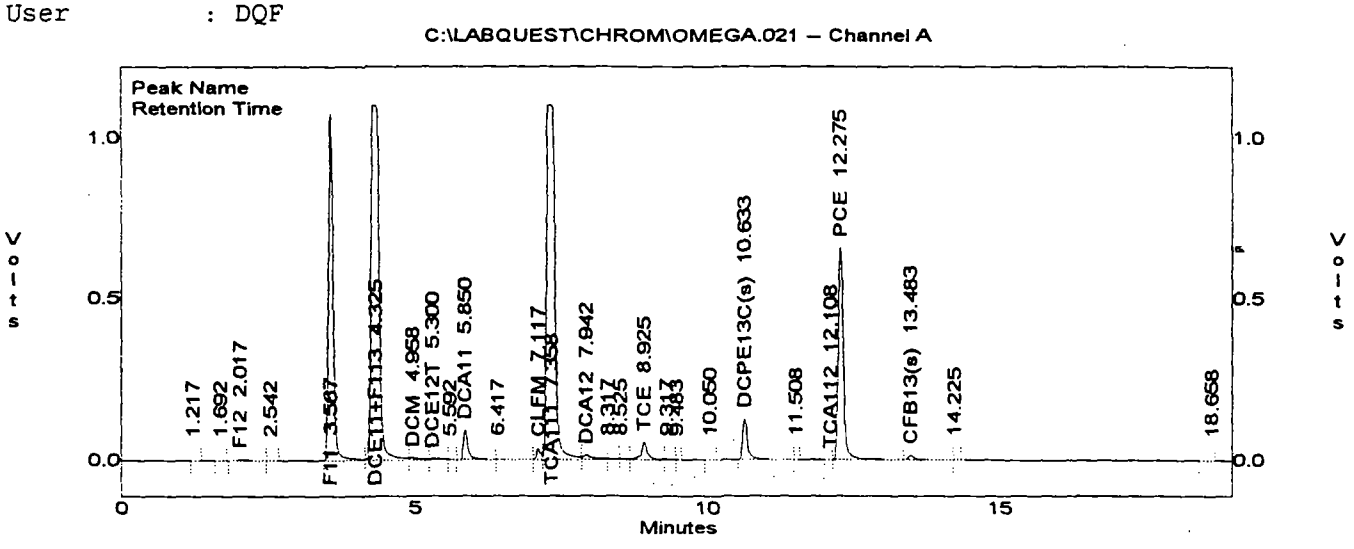
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 15
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 16:26	Time Injected: 16:45 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	14		11DCE	790	
Vinyl Chloride	<1		Benzene	2.2	
Chloroethane	<1		Toluene	<1	
Freon 11	520		Ethylbenzene	<1	
Dichloromethane	<1		m/p-Xylene	1.6	
t-12DCE	12		o-Xylene	<1	
11DCA	98				
c-12DCE	<1				
Chloroforme	24		Freon 113	5100	
111TCA	1700				
Carbon Tetrachloride	<1				
12DCA	44				
TCE	85				
112TCA	<1		% Surr. 1, ELCD	100	
PCE	750		% Surr. 2, ELCD	98	
1112PCA	<1		% Surr. 1, PID	100	
1122PCA	<1		% Surr. 2, PID	100	
			% Surr. 1, FID	165	
			% Surr. 2, FID	106	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:25
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.217	554	0.000	0
2		1.692	1658	0.000	0
3	F12	2.017	30296	14.229	0
--	VC	2.425	0	0.000	0
4		2.542	1775	0.000	0
--	CLET	3.125	0	0.000	0
5	F11	3.567	5993976	818.798	0
6	DCE11+F113	4.325	10429877	2639.174	0
7	DCM	4.958	91521	25.617	0
8	DCE12T	5.300	54291	11.669	0
9		5.592	14545	0.000	0
10	DCA11	5.850	561425	97.754	0
11		6.417	19425	0.000	0
--	DCE12C	6.608	0	0.000	0
12	CLFM	7.117	176346	24.480	0
13	TCA111	7.358	10877626	1719.621	0
--	CBTC	7.533	0	0.000	0
14	DCA12	7.942	167258	44.484	0
15		8.317	30368	0.000	0
16		8.525	17838	0.000	0
17	TCE	8.925	422664	85.008	0
18		9.317	10405	0.000	0
19		9.483	1939	0.000	0
20		10.050	2019	0.000	0
21	DCPE13C(s)	10.633	785328	998.336	0
22		11.508	763	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:27
User : DQF

Channel A Results

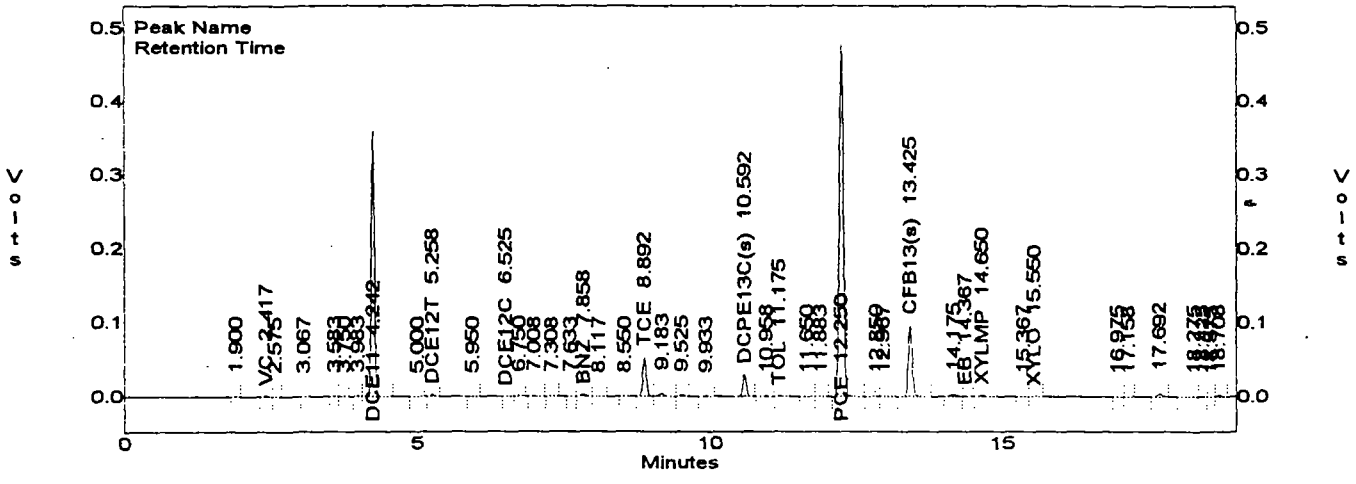
peak	Compound	Rt	Area	Conc(ug/l)	Rf
23	TCA112	12.108	800	0.140	0
24	PCE	12.275	4075231	752.917	0
25	CFB13(s)	13.483	133104	977.850	0
26		14.225	936	0.000	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0
27		18.658	562	0.000	0

Totals :

	33902540	8210.075

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:31
User : DQF

C:\LABQUEST\CHROM\OMEGA.021 — Channel B



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.900	2346	0.000	0
2	VC	2.417	6808	9.197	0
3		2.575	436	0.000	0
4		3.067	309	0.000	0
5		3.583	2952	0.000	0
6		3.750	2364	0.000	0
7		3.983	2598	0.000	0
8	DCE11	4.242	1335464	785.904	0
9		5.000	770	0.000	0
10	DCE12T	5.258	9041	2.374	0
11		5.950	654	0.000	0
12	DCE12C	6.525	756	0.374	0
13		6.750	2158	0.000	0
14		7.008	3248	0.000	0
15		7.308	2475	0.000	0
16		7.633	345	0.000	0
17	BNZ	7.858	9359	2.203	0
18		8.117	2159	0.000	0
19		8.550	354	0.000	0
20	TCE	8.892	224994	93.692	0
21		9.183	23505	0.000	0
22		9.525	6902	0.000	0
23		9.933	3550	0.000	0
24	DCPE13C(s)	10.592	126566	1000.030	0
25		10.958	3892	0.000	0
26	TOL	11.175	3220	0.824	0

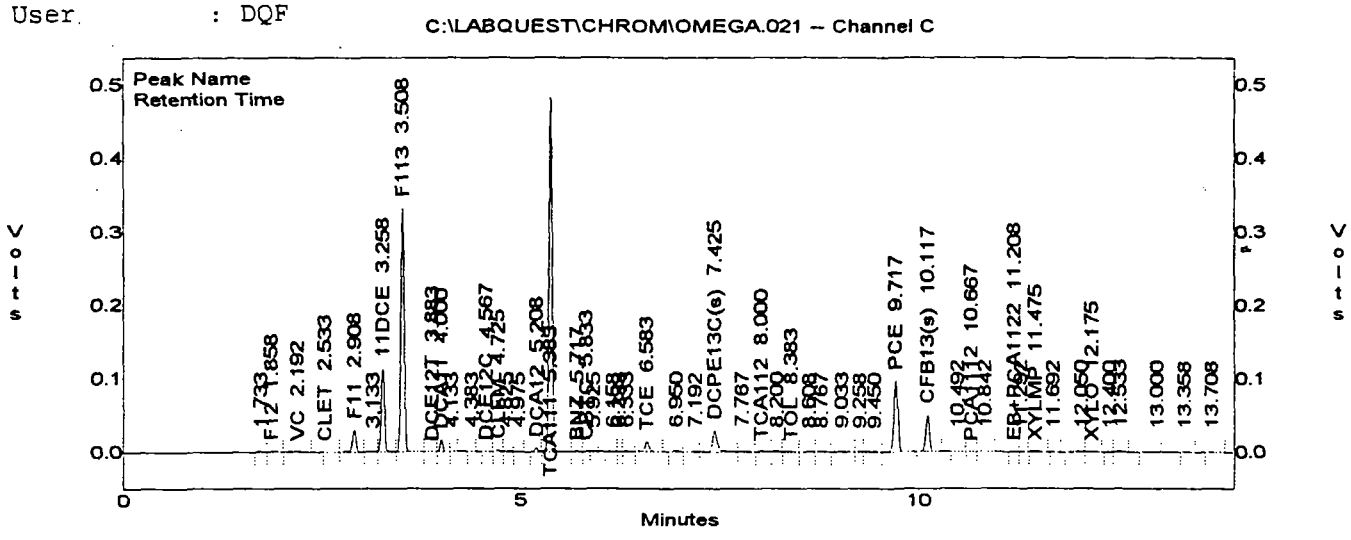
Continued...

File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:33
User : DQF

Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		11.650	2731	0.000	0
28		11.883	883	0.000	0
29	PCE	12.250	2365747	1216.918	0
30		12.850	1472	0.000	0
31		12.967	2428	0.000	0
32	CFB13(s)	13.425	456391	1000.810	0
33		14.175	19762	0.000	0
34	EB	14.367	1943	0.569	0
35	XYLMP	14.650	6565	1.609	0
36		15.367	788	0.000	0
37	XYLO	15.550	1961	0.580	0
38		16.975	956	0.000	0
39		17.158	526	0.000	0
40		17.692	24193	0.000	0
41		18.275	3190	0.000	0
42		18.425	2419	0.000	0
43		18.575	616	0.000	0
44		18.708	5495	0.000	0
Totals :			4675306	4115.083	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:36
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.733	6762	0.000		0
2	F12	1.858	6230	71.431		0
3	VC	2.192	6414	10.268		0
4	CLET	2.533	338	0.578		0
5	F11	2.908	99916	1048.181		0
6		3.133	3422	0.000		0
7	11DCE	3.258	335458	910.746		0
--	DCM	3.292	0	0.000		0
8	F113	3.508	991209	5132.779		0
9	DCE12T	3.883	4278	10.788		0
10	DCA11	4.000	46265	113.231		0
11		4.133	1005	0.000		0
12		4.383	937	0.000		0
13	DCE12C	4.567	2624	6.484		0
14	CLFM	4.725	5331	34.009		0
15		4.825	260	0.000		0
16		4.975	2230	0.000		0
17	DCA12	5.208	15545	38.513		0
18	TCA111	5.383	1379712	4450.855		0
19	BNZ	5.717	4307	2.837		0
20	CBTC	5.833	941	7.243		0
21		5.925	1715	0.000		0
22		6.158	3271	0.000		0
23		6.233	1124	0.000		0
24		6.333	4169	0.000		0
25	TCE	6.583	56958	184.217		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.021
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-6
Acquired : Nov 14, 1995 16:46:59
Printed : Nov 14, 1995 17:06:38
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26		6.950	5584	0.000	0
27		7.192	377	0.000	0
28	DCPE13C(s)	7.425	116641	1654.840	0
29		7.767	5294	0.000	0
30	TCA112	8.000	4308	14.332	0
31		8.200	5799	0.000	0
32	TOL	8.383	2865	1.916	0
33		8.608	2228	0.000	0
34		8.767	1012	0.000	0
35		9.033	6916	0.000	0
36		9.258	768	0.000	0
37		9.450	2194	0.000	0
38	PCE	9.717	321377	1308.325	0
39	CFB13(s)	10.117	163968	1058.798	0
40		10.492	1708	0.000	0
41	PCA1112	10.667	1535	6.361	0
42		10.842	2562	0.000	0
43	EB+PCA1122	11.208	1741	2.409	0
44		11.292	756	0.000	0
45	XYLMP	11.475	3372	2.288	0
46		11.692	275	0.000	0
47		12.050	953	0.000	0
48	XYLO	12.175	1823	1.076	0
49		12.400	625	0.000	0
50		12.533	5098	0.000	0
51		13.000	996	0.000	0
52		13.358	593	0.000	0
53		13.708	644	0.000	0

Totals :

3642460 16072.505

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 5616-12
Probe Depth (ft): 12'
Time Sampled: 14:39
Sampled by: WM
Date Sampled: 11-14-95
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: CLEAR
Ground Surface: CONCRETE
Air Temp. (F): 70.3°F
Wind dir/speed: SW 05 mph

Sample Parameters

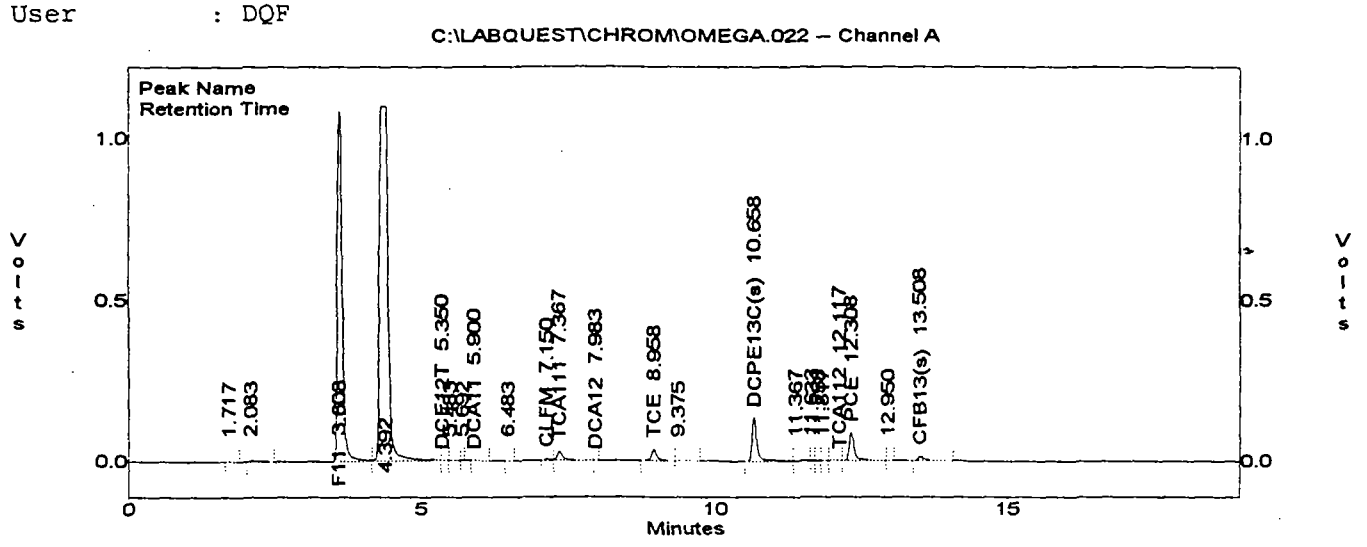
Probe Volume (ml): 225
Max. Purge Vacuum (in. Hg): 18
Purge Volume (liters): .75
Equilibrium Time: :02
Purge Time (min.): :02
Sample Volume (ml): 20ml
Notes: 30-50 ppm
Syringe ID: A B

Analytical Summary

Chemist: DOE
Volume Analyzed: 1mL
Recd. Date: 11/14/95 Time: 14:42
Time Injected: 15:00 Loop #: 5

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	14		11DCE	320	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	880		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	2.5		o-Xylene		
11DCA	<1				
c-12DCE	<1				
Chloroforme	5.2		Freon 113	7300	
111TCA	32				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	50				
112TCA	<1		% Surr. 1, ELCD	103	
PCE	100		% Surr. 2, ELCD	88	
1112PCA	<1		% Surr. 1, PID	99	
1122PCA	<1		% Surr. 2, PID	99	
			% Surr. 1, FID	113	
			% Surr. 2, FID	105	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.022
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-12
Acquired : Nov 14, 1995 17:19:36
Printed : Nov 14, 1995 17:39:03
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.717	4187	0.000		0
--	F12	1.933	0	0.000		0
2		2.083	29456	0.000	1383 ✓	0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
3	F11	3.608	6442198	880.027 ✓		0
--	DCE11+F113	4.250	0	0.000		0
4		4.392	11158564	0.000		0
--	DCM	4.900	0	0.000		0
5	DCE12T	5.350	11777	2.531 ✓		0
6		5.483	9924	0.000		0
7		5.692	1384	0.000		0
8	DCA11	5.900	5494	0.957		0
9		6.483	1096	0.000		0
--	DCE12C	6.608	0	0.000		0
10	CLFM	7.150	37503	5.206 ✓		0
11	TCA111	7.367	200520	31.700 ✓		0
--	CBTC	7.533	0	0.000		0
12	DCA12	7.983	636	0.169		0
13	TCE	8.958	246517	49.580 ✓		0
14		9.375	13525	0.000		0
15	DCPE13C(s)	10.658	810124	1029.859		0
16		11.367	9839	0.000		0
17		11.633	1320	0.000		0
18		11.758	1894	0.000		0
19		11.817	1662	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.022
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-12
Acquired : Nov 14, 1995 17:19:36
Printed : Nov 14, 1995 17:39:05
User : DQF

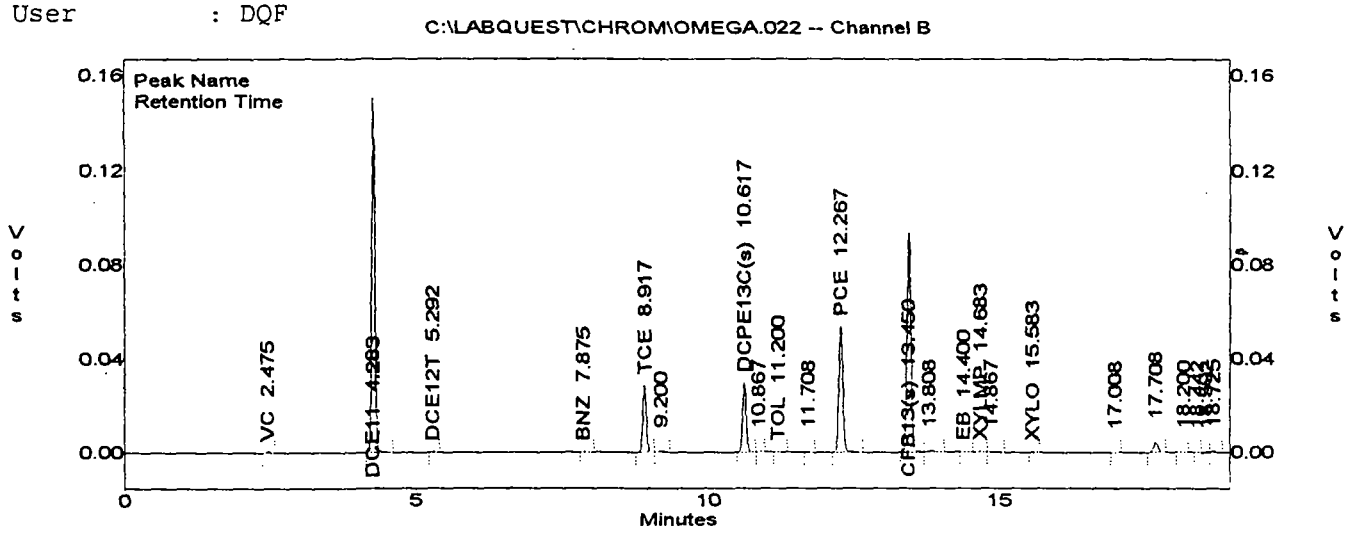
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
20	TCA112	12.117	2015	0.353	0
21	PCE	12.308	557081	102.923 ✓	0
22		12.950	1619	0.000	0
23	CFB13(s)	13.508	119712	879.463	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0

Totals :

19668056	2982.768	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.022
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-12
Acquired : Nov 14, 1995 17:19:36
Printed : Nov 14, 1995 17:39:07
User : DQF



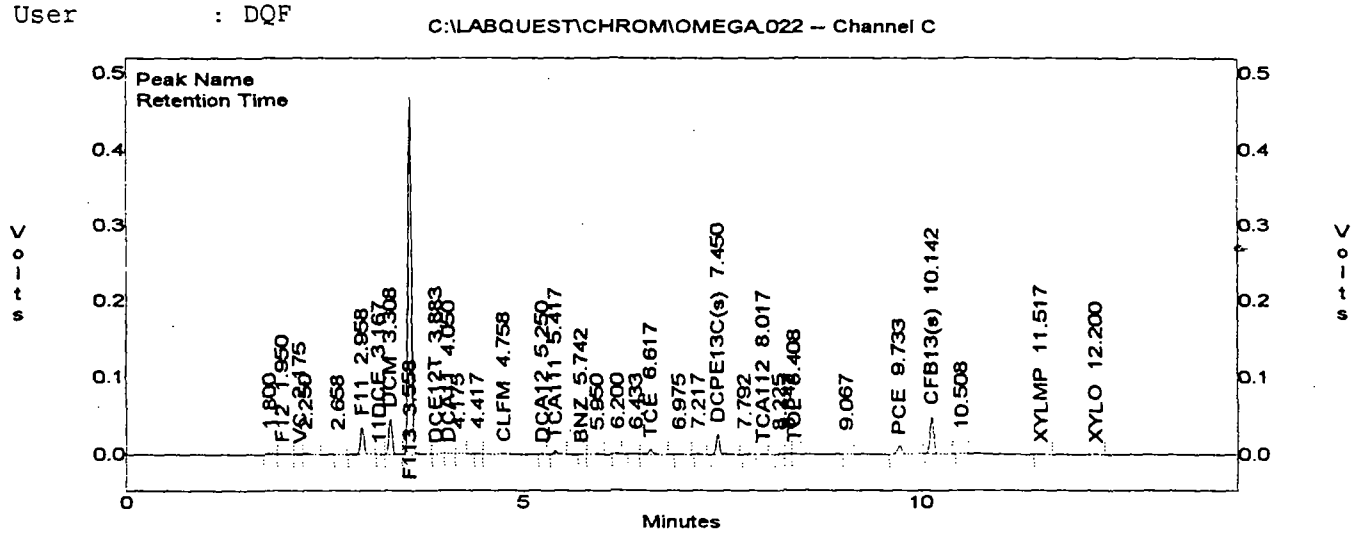
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1	VC	2.475	2094	2.829		0
2	DCE11	4.283	548588	322.837	V	0
3	DCE12T	5.292	525	0.138		0
--	DCE12C	6.575	0	0.000		0
4	BNZ	7.875	567	0.134		0
5	TCE	8.917	120710	50.266		0
6		9.200	2297	0.000		0
7	DCPE13C(s)	10.617	124942	987.198		0
8		10.867	469	0.000		0
9	TOL	11.200	1039	0.266		0
10		11.708	339	0.000		0
11	PCE	12.267	258175	132.803		0
12	CFB13(s)	13.450	449513	985.728		0
13		13.808	3061	0.000		0
14	EB	14.400	464	0.136		0
15	XYLMP	14.683	1589	0.390		0
16		14.867	732	0.000		0
17	XYLO	15.583	518	0.153		0
18		17.008	369	0.000		0
19		17.708	23295	0.000		0
20		18.200	699	0.000		0
21		18.442	552	0.000		0
22		18.592	324	0.000		0
23		18.725	2745	0.000		0

Totals :

1543616	2482.878	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.022
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-12
Acquired : Nov 14, 1995 17:19:36
Printed : Nov 14, 1995 17:39:12
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.800	4916	0.000		0
2	F12	1.950	3241	37.162		0
3	VC	2.175	1518	2.431		0
4		2.250	1941	0.000		0
--	CLET	2.417	0	0.000		0
5		2.658	219	0.000		0
6	F11	2.958	114487	1201.036		0
7	11DCE	3.167	360	0.977		0
8	DCM	3.308	134172	314.105		0
9	F113	3.558	1416373	7334.405		0
10	DCE12T	3.883	2622	6.612		0
11	DCA11	4.050	2037	4.985		0
12		4.175	852	0.000		0
13		4.417	378	0.000		0
--	DCE12C	4.492	0	0.000		0
14	CLFM	4.758	1345	8.584		0
15	DCA12	5.250	333	0.827		0
16	TCA111	5.417	10143	32.723		0
17	BNZ	5.742	291	0.192		0
--	CBTC	5.792	0	0.000		0
18		5.950	659	0.000		0
19		6.200	322	0.000		0
20		6.433	695	0.000		0
21	TCE	6.617	20868	67.494		0
22		6.975	2017	0.000		0
23		7.217	796	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.022
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-12
Acquired : Nov 14, 1995 17:19:36
Printed : Nov 14, 1995 17:39:14
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24	DCPE13C(s)	7.450	79371	1126.073	0
25		7.792	324	0.000	0
26	TCA112	8.017	606	2.016	0
27		8.225	670	0.000	0
28		8.342	713	0.000	0
29	TOL	8.408	518	0.347	0
30		9.067	201	0.000	0
31	PCE	9.733	36206	147.394	0
32	CFB13(s)	10.142	162163	1047.142	0
33		10.508	801	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
34	XYLMP	11.517	708	0.481	0
35	XYLO	12.200	326	0.192	0

Totals :

2003204	11335.179	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 569-12 | Probe Depth (ft): 12'

Time Sampled: 16:40 | Sampled by: UJM

Date Sampled: 11-14-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: Concrete

Air Temp. (F): 62.8 | Wind dir/speed: SW 0-5 mph

Sample Parameters

Probe Volume (ml): 225 | Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): .75 | Equilibrium Time: :01

Purge Time (min.): :03 | Sample Volume (ml): 20mL

Notes: | Syringe ID: A B

Analytical Summary

Chemist: D&F | Volume Analyzed: 1mL

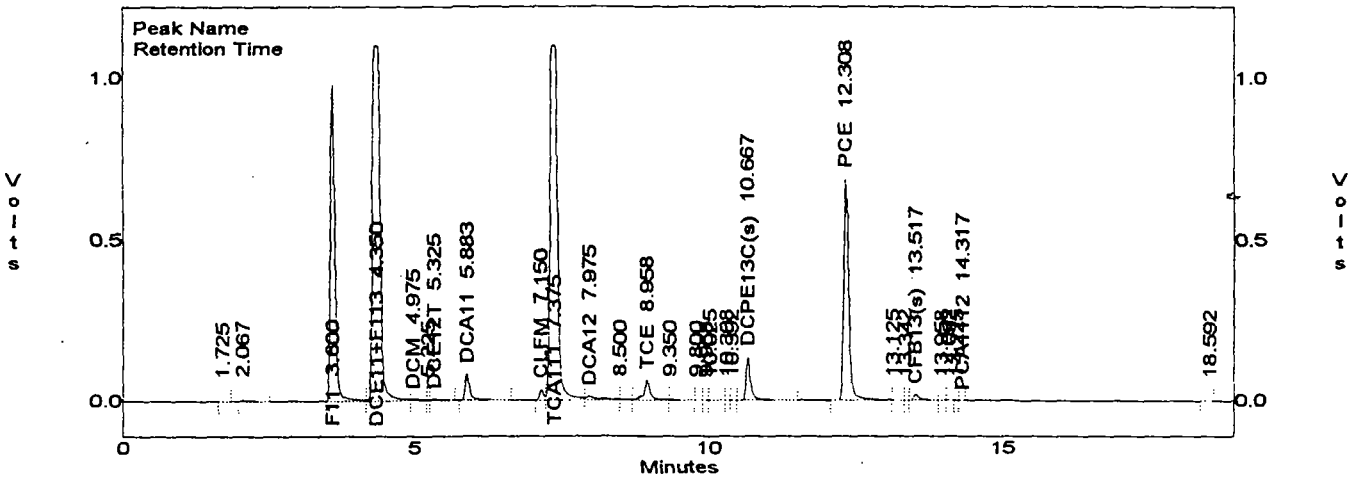
Recd. Date: 11/14/95 Time: 16:42 | Time Injected: 16:48 Loop #: 6.7

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	750	850
Vinyl Chloride	↓	↓	Benzene	2.2	2.7
Chloroethane	↓	↓	Toluene	<1	<1
Freon 11	750	770	Ethylbenzene	<1	<1
Dichloromethane	<1	<1	m/p-Xylene	1.1	1.3
t-12DCE	8.1	6.8	o-Xylene	<1	<1
11DCA	80	82			
c-12DCE	<1	<1			
Chloroforme	24	28	Freon 113	4600	5100
111TCA	1500	1600			
Carbon Tetrachloride	<1	<1			
12DCA	51	57			
TCE	100	106			
112TCA	<1	<1	% Surr. 1, ELCD	99	97
PCE	770	840	% Surr. 2, ELCD	100	93
1112PCA	<1	<1	% Surr. 1, PID	100	104
1122PCA	<1	<1	% Surr. 2, PID	101	104
			% Surr. 1, FID	146*	159*
			% Surr. 2, FID	107	111

* Matrix interference

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
Acquired : Nov 14, 1995 17:48:07
Printed : Nov 15, 1995 07:54:51
User : DQF

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



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.725	1566	0.000	0
--	F12	1.933	0	0.000	0
2		2.067	27302	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.600	5460468	745.919 ✓	0
4	DCE11+F113	4.350	10109539	2558.115	0
5	DCM	4.975	52805	14.780 X	0
6		5.225	5674	0.000	0
7	DCE12T	5.325	37668	8.096 ✓	0
8	DCA11	5.883	456930	79.559 ✓	0
--	DCE12C	6.608	0	0.000	0
9	CLFM	7.150	174519	24.226 ✓	0
10	TCA111	7.375	9801500	1549.499 ✓	0
--	CBTC	7.533	0	0.000	0
11	DCA12	7.975	191374	50.898 ✓	0
12		8.500	25493	0.000	0
13	TCE	8.958	505100	101.587 ✓	0
14		9.350	39345	0.000	0
15		9.800	5948	0.000	0
16		9.958	3111	0.000	0
17		10.025	7445	0.000	0
18		10.308	1232	0.000	0
19		10.392	853	0.000	0
20	DCPE13C(s)	10.667	774890	985.068	0
--	TCA112	12.033	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
Acquired : Nov 14, 1995 17:48:07
Printed : Nov 15, 1995 07:54:53
User : DQF

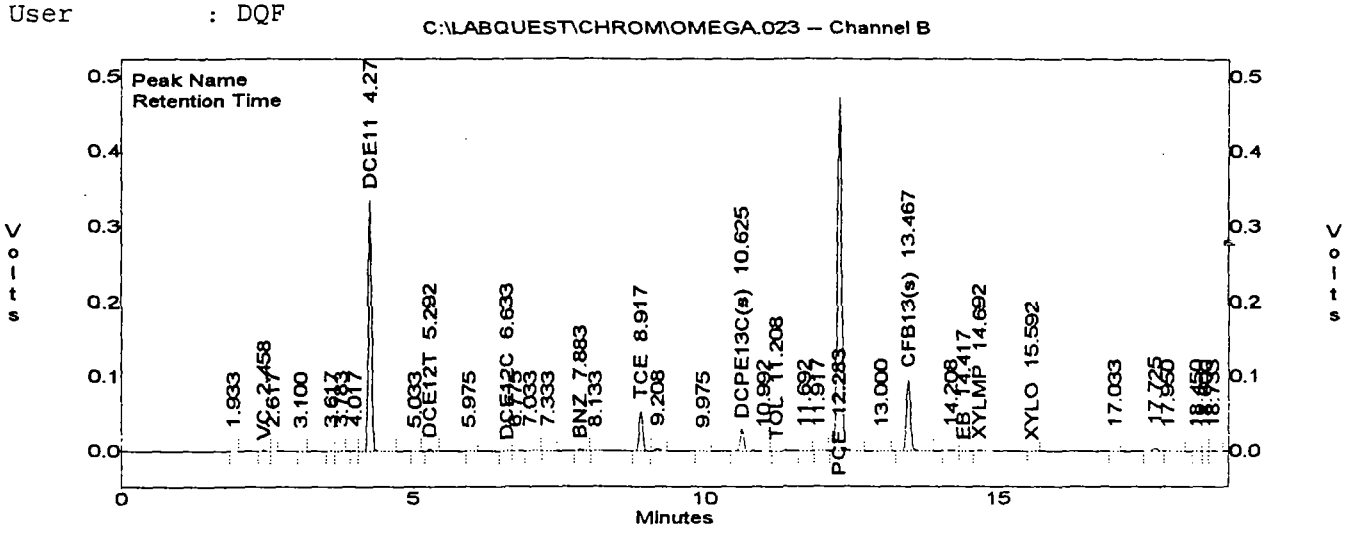
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21	PCE	12.308	4152859	767.260	0
22		13.125	13518	0.000	0
23		13.342	4118	0.000	0
24	CFB13(s)	13.517	136479	1002.641	0
25		13.958	4759	0.000	0
26		14.092	1981	0.000	0
27		14.225	703	0.000	0
28	PCA1112	14.317	645	0.103	0
--	PCA1122	17.292	0	0.000	0
29		18.592	645	0.000	0

Totals :

	31998486	7887.751

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
Acquired : Nov 14, 1995 17:48:07
Printed : Nov 15, 1995 07:54:57
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.933	2063	0.000	0
2	VC	2.458	6223	8.407	0
3		2.617	430	0.000	0
4		3.100	326	0.000	0
5		3.617	2387	0.000	0
6		3.783	2343	0.000	0
7		4.017	3051	0.000	0
8	DCE11	4.275	1276821	751.394	0
9		5.033	462	0.000	0
10	DCE12T	5.292	11199	2.940	0
11		5.975	406	0.000	0
12	DCE12C	6.633	642	0.318	0
13		6.775	437	0.000	0
14		7.033	2359	0.000	0
15		7.333	1975	0.000	0
16	BNZ	7.883	9218	2.170	0
17		8.133	1018	0.000	0
18	TCE	8.917	235216	97.949	0
19		9.208	15270	0.000	0
20		9.975	2153	0.000	0
21	DCPE13C(s)	10.625	126690	1001.009	0
22		10.992	730	0.000	0
23	TOL	11.208	1823	0.466	0
24		11.692	1219	0.000	0
25		11.917	386	0.000	0
26	PCE	12.283	2355494	1211.644	0

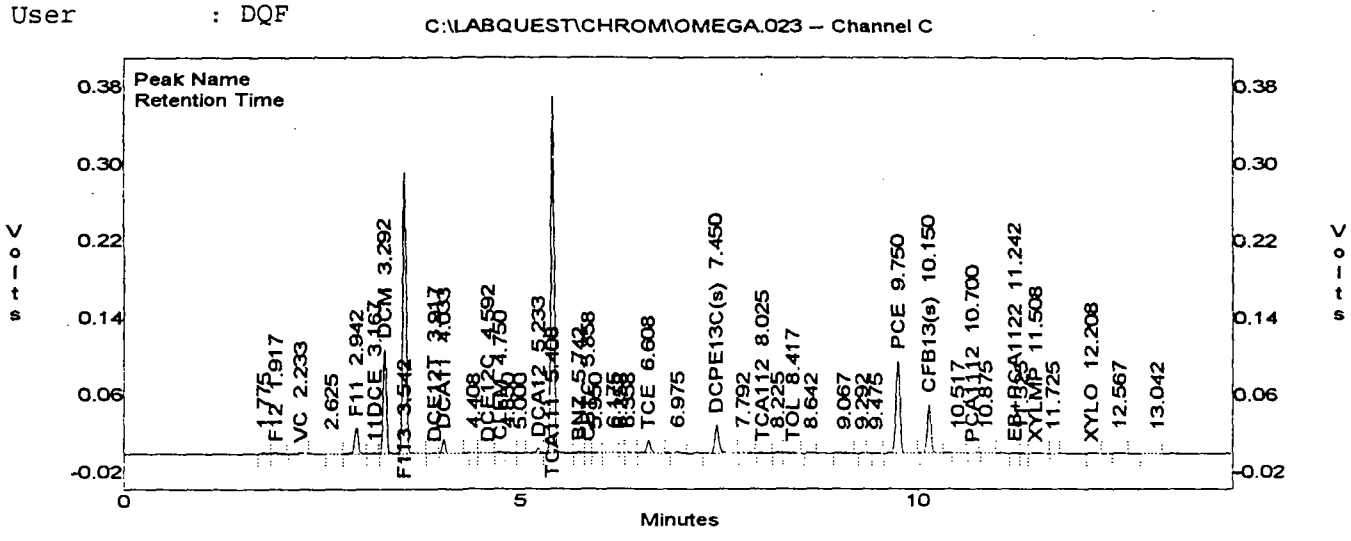
Continued...

File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
Acquired : Nov 14, 1995 17:48:07
Printed : Nov 15, 1995 07:54:59
User : DQF

Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		13.000	544	0.000	0
28	CFB13(s)	13.467	461639	1012.319	0
29		14.208	6511	0.000	0
30	EB	14.417	1203	0.352	0
31	XYLMP	14.692	4315	1.058	0
32	XYLO	15.592	975	0.288	0
33		17.033	563	0.000	0
34		17.725	27643	0.000	0
35		17.950	3523	0.000	0
36		18.450	1060	0.000	0
37		18.600	367	0.000	0
38		18.733	4205	0.000	0
Totals :			4572903	4090.314	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
Acquired : Nov 14, 1995 17:48:07
Printed : Nov 15, 1995 07:55:02
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.775	7170	0.000		0
2	F12	1.917	6028	69.115		0
3	VC	2.233	4910	7.861		0
--	CLET	2.417	0	0.000		0
4		2.625	391	0.000		0
5	F11	2.942	93332	979.114		0
6	11DCE	3.167	3561	9.670		0
7	DCM	3.292	317615	743.555		0
8	F113	3.542	894997	4634.564		0
9	DCE12T	3.917	3999	10.083		0
10	DCA11	4.033	41416	101.364		0
11		4.408	881	0.000		0
12	DCE12C	4.592	791	1.955		0
13	CLFM	4.750	5264	33.587		0
14		4.850	364	0.000		0
15		5.000	1554	0.000		0
16	DCA12	5.233	13943	34.544		0
17	TCA111	5.408	1061759	3425.159		0
18	BNZ	5.742	5306	3.496		0
19	CBTC	5.858	1031	7.936		0
20		5.950	1574	0.000		0
21		6.175	2623	0.000		0
22		6.258	926	0.000		0
23		6.358	2969	0.000		0
24	TCE	6.608	49007	158.502		0
25		6.975	5510	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.023
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12
quired : Nov 14, 1995 17:48:07
inted : Nov 15, 1995 07:55:04
User : DQF

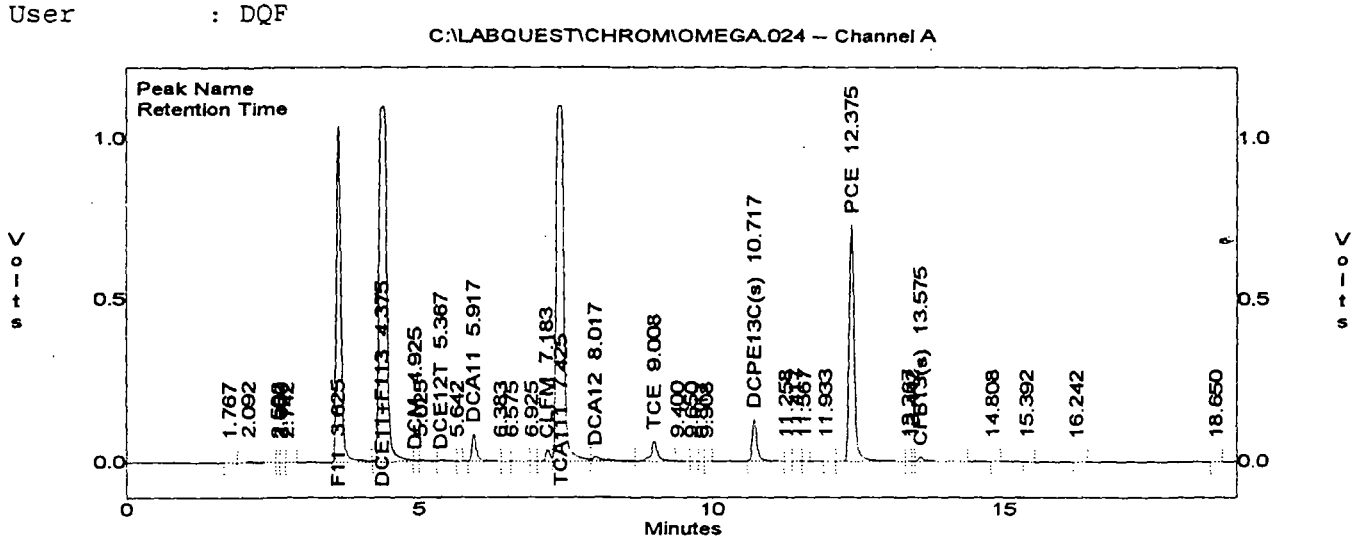
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	DCPE13C(s)	7.450	103202	1464.172	0
27		7.792	3009	0.000	0
28	TCA112	8.025	2219	7.384	0
29		8.225	3048	0.000	0
30	TOL	8.417	2064	1.380	0
31		8.642	1139	0.000	0
32		9.067	3044	0.000	0
33		9.292	320	0.000	0
34		9.475	712	0.000	0
35	PCE	9.750	315935	1286.168	0
36	CFB13(s)	10.150	165017	1065.573	0
37		10.517	1322	0.000	0
38	PCA1112	10.700	498	2.066	0
39		10.875	851	0.000	0
40	EB+PCA1122	11.242	925	1.280	0
41		11.325	295	0.000	0
42	XYLMP	11.508	2264	1.536	0
43		11.725	206	0.000	0
44	XYLO	12.208	815	0.481	0
45		12.567	1656	0.000	0
46		13.042	386	0.000	0

Totals :

3135871 14050.546

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
Acquired : Nov 14, 1995 18:12:33
Printed : Nov 15, 1995 07:59:01
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.767	1616	0.000	0
--	F12	1.933	0	0.000	0
2		2.092	38807	0.000	0
--	VC	2.425	0	0.000	0
3		2.592	1296	0.000	0
4		2.650	1344	0.000	0
5		2.742	1379	0.000	0
--	CLET	3.125	0	0.000	0
6	F11	3.625	5621834	767.962 ✓	0
7	DCE11+F113	4.375	10024984	2536.720	0
8	DCM	4.925	29126	8.153 X	0
9		5.025	49555	0.000	0
10	DCE12T	5.367	31830	6.841 ✓	0
11		5.642	1628	0.000	0
12	DCA11	5.917	472846	82.331 ✓	0
13		6.383	4751	0.000	0
14		6.575	5635	0.000	0
--	DCE12C	6.608	0	0.000	0
15		6.925	1044	0.000	0
16	CLFM	7.183	203225	28.211 ✓	0
17	TCA111	7.425	9984468	1578.424 ✓	0
--	CBTC	7.533	0	0.000	0
18	DCA12	8.017	215504	57.315 ✓	0
19	TCE	9.008	526748	105.941 ✓	0
20		9.400	23592	0.000	0
21		9.650	6914	0.000	0

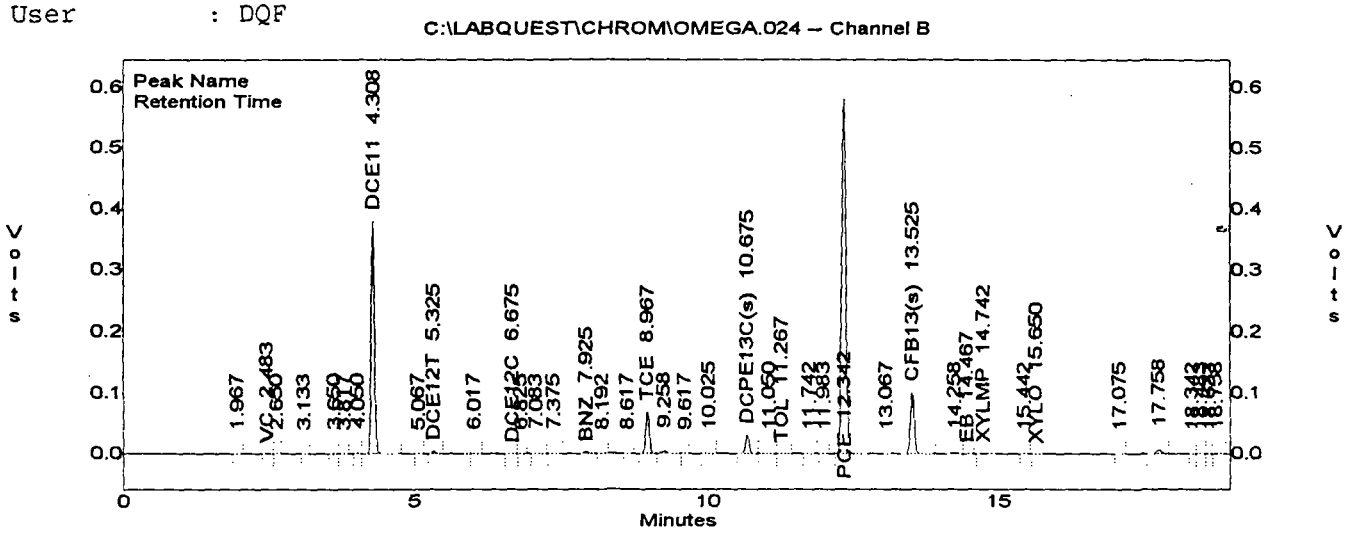
Continued...

File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
Acquired : Nov 14, 1995 18:12:33
Printed : Nov 15, 1995 07:59:04
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
22		9.817	2479	0.000	0
23		9.908	1816	0.000	0
24	DCPE13C(s)	10.717	764498	971.857	0
25		11.258	5532	0.000	0
26		11.417	4289	0.000	0
27		11.567	1437	0.000	0
28		11.933	734	0.000	0
--	TCA112	12.033	0	0.000	0
29	PCE	12.375	4553521	841.284	0
30		13.367	6023	0.000	0
31		13.442	2582	0.000	0
32	CFB13(s)	13.575	126074	926.200	0
--	PCA1112	14.317	0	0.000	0
33		14.808	676	0.000	0
34		15.392	781	0.000	0
35		16.242	1017	0.000	0
--	PCA1122	17.292	0	0.000	0
36		18.650	527	0.000	0
Totals :			32720128	7911.238	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
Acquired : Nov 14, 1995 18:12:33
Printed : Nov 15, 1995 07:59:07
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.967	2290	0.000	0
2	VC	2.483	7019	9.482	0
3		2.650	500	0.000	0
4		3.133	337	0.000	0
5		3.650	2768	0.000	0
6		3.817	2673	0.000	0
7		4.050	3484	0.000	0
8	DCE11	4.308	1447393	851.773	0
9		5.067	548	0.000	0
10	DCE12T	5.325	13499	3.544	0
11		6.017	680	0.000	0
12	DCE12C	6.675	813	0.402	0
13		6.825	531	0.000	0
14		7.083	2751	0.000	0
15		7.375	2334	0.000	0
16	BNZ	7.925	11410	2.686	0
17		8.192	1275	0.000	0
18		8.617	340	0.000	0
19	TCE	8.967	293513	122.225	0
20		9.258	20196	0.000	0
21		9.617	324	0.000	0
22		10.025	2746	0.000	0
23	DCPE13C(s)	10.675	131193	1036.586	0
24		11.050	3530	0.000	0
25	TOL	11.267	2403	0.615	0
26		11.742	1567	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
uired : Nov 14, 1995 18:12:33
nted : Nov 15, 1995 07:59:10
User : DQF

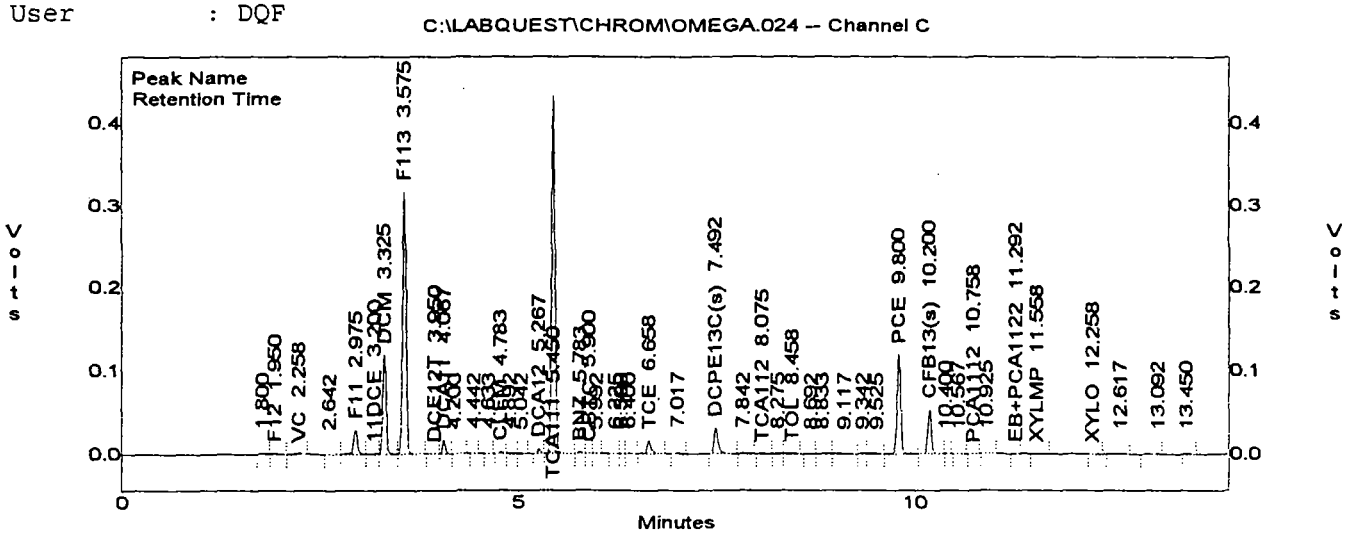
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		11.983	388	0.000	0
28	PCE	12.342	2929277	1506.793	0
29		13.067	370	0.000	0
30	CFB13(s)	13.525	476526	1044.963	0
31		14.258	8674	0.000	0
32	EB	14.467	1529	0.448	0
33	XYLMP	14.742	5425	1.330	0
34		15.442	301	0.000	0
35	XYLO	15.650	1259	0.373	0
36		17.075	555	0.000	0
37		17.758	29594	0.000	0
38		18.342	347	0.000	0
39		18.483	1283	0.000	0
40		18.633	468	0.000	0
41		18.758	4719	0.000	0

Totals :

5416847	4581.219	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
Acquired : Nov 14, 1995 18:12:33
Printed : Nov 15, 1995 07:59:13
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.800	7348	0.000		0
2	F12	1.950	6521	74.767		0
3	VC	2.258	5312	8.504		0
--	CLET	2.417	0	0.000		0
4		2.642	306	0.000		0
5	F11	2.975	103694	1087.820		0
6	11DCE	3.200	4159	11.293		0
7	DCM	3.325	363847	851.786		0
8	F113	3.575	987290	5112.489		0
9	DCE12T	3.950	4257	10.733		0
10	DCA11	4.067	46526	113.869		0
11		4.200	1537	0.000		0
12		4.442	934	0.000		0
--	DCE12C	4.492	0	0.000		0
13		4.633	668	0.000		0
14	CLFM	4.783	6246	39.848		0
15		4.892	336	0.000		0
16		5.042	1758	0.000		0
17	DCA12	5.267	16771	41.551		0
18	TCA111	5.450	1234689	3983.021		0
19	BNZ	5.783	5982	3.941		0
20	CBTC	5.900	1046	8.050		0
21		5.992	1717	0.000		0
22		6.225	2940	0.000		0
23		6.300	1125	0.000		0
24		6.400	3535	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.024
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG9-12D
Acquired : Nov 14, 1995 18:12:33
Printed : Nov 15, 1995 07:59:15
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
25	TCE	6.658	60467	195.564	0
26		7.017	6510	0.000	0
27	DCPE13C(s)	7.492	112108	1590.532	0
28		7.842	4104	0.000	0
29	TCA112	8.075	2641	8.787	0
30		8.275	3753	0.000	0
31	TOL	8.458	2308	1.544	0
32		8.692	1522	0.000	0
33		8.833	713	0.000	0
34		9.117	4041	0.000	0
35		9.342	565	0.000	0
36		9.525	1359	0.000	0
37	PCE	9.800	396224	1613.026	0
38	CFB13(s)	10.200	172483	1113.784	0
39		10.400	248	0.000	0
40		10.567	1398	0.000	0
41	PCA1112	10.758	729	3.022	0
42		10.925	1054	0.000	0
43	EB+PCA1122	11.292	920	1.272	0
44	XYLMP	11.558	2753	1.868	0
45	XYLO	12.258	1000	0.590	0
46		12.617	2635	0.000	0
47		13.092	529	0.000	0
48		13.450	357	0.000	0

Totals :

3588984 15877.662

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: TB141V0095	Probe Depth (ft):
Time Sampled:	Sampled by:
Date Sampled:	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather:	Ground Surface:
Air Temp. (F):	Wind dir/speed:

Sample Parameters

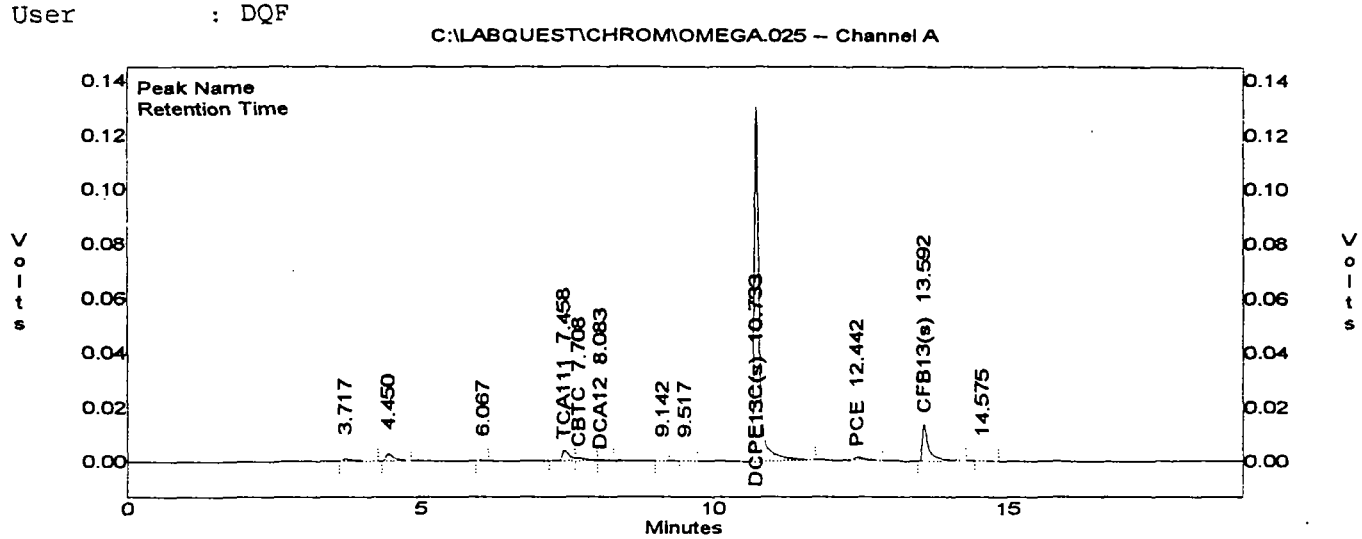
Probe Volume (ml):	Max. Purge Vacuum (in. Hg):
Purge Volume (liters):	Equilibrium Time:
Purge Time (min.):	Sample Volume (ml):
Notes:	Syringe ID: A B

Analytical Summary

Chemist: JQT	Volume Analyzed: 1mL
Recd. Date: Time:	Time Injected: 17:05 Loop #: 8

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	1 (HWB)
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	2 (HWB)
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA	6 (HWB)		
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	98
PCE	2 (HWB)	% Surr. 2, ELCD	76
1112PCA		% Surr. 1, PID	104
1122PCA		% Surr. 2, PID	107
		% Surr. 1, FID	111
		% Surr. 2, FID	112

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.025
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB14NOV95
Acquired : Nov 14, 1995 18:37:18
Printed : Nov 15, 1995 08:03:52
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
--	F12	1.933	0	0.000		0
--	VC	2.425	0	0.000		0
--	CLET	3.125	0	0.000		0
--	F11	3.517	0	0.000		0
1		3.717	12471	0.000		0
--	DCE11+F113	4.250	0	0.000		0
2		4.450	26002	0.000		0
--	DCM	4.900	0	0.000		0
--	DCE12T	5.258	0	0.000		0
--	DCA11	5.808	0	0.000		0
3		6.067	1111	0.000		0
--	DCE12C	6.608	0	0.000		0
--	CLFM	7.083	0	0.000		0
4	TCA111	7.458	36285	5.736	✓	0
5	CBTC	7.708	13551	1.512	X	0
6	DCA12	8.083	1642	0.437		0
--	TCE	8.900	0	0.000		0
7		9.142	872	0.000		0
8		9.517	959	0.000		0
9	DCPE13C(s)	10.733	770921	980.022		0
--	TCA112	12.033	0	0.000	✓	0
10	PCE	12.442	13248	2.448		0
11	CFB13(s)	13.592	103667	761.587		0
--	PCA1112	14.317	0	0.000		0
12		14.575	2078	0.000		0
--	PCA1122	17.292	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.025
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB14NOV95
Acquired : Nov 14, 1995 18:37:18
Printed : Nov 15, 1995 08:03:54
User : DQF

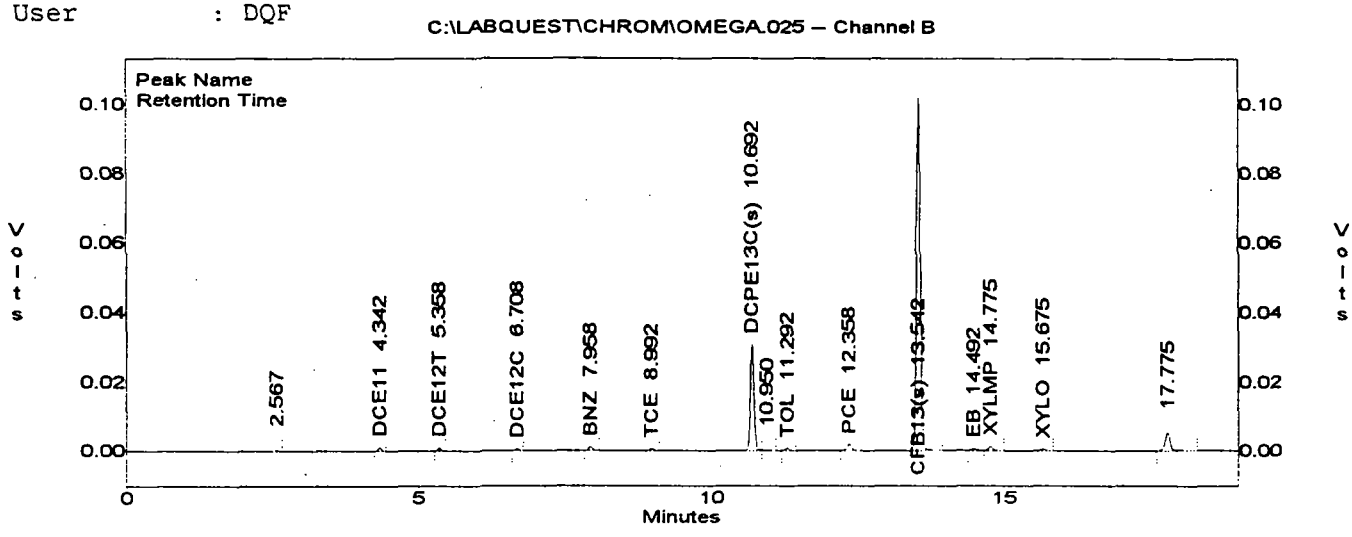
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf

Totals :

982811 1751.742

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.025
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB14NOV95
Acquired : Nov 14, 1995 18:37:18
Printed : Nov 15, 1995 08:03:57
User : DQF



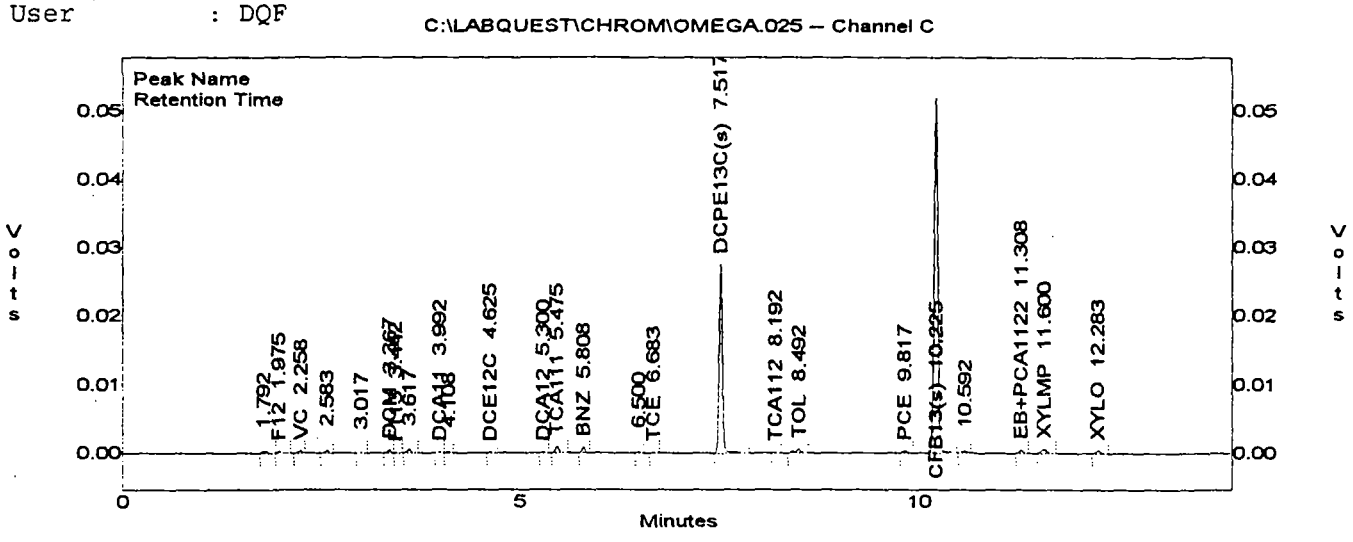
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
--	VC	2.392	0	0.000		0
1		2.567	1099	0.000		0
2	DCE11	4.342	4661	2.743		0
3	DCE12T	5.358	3661	0.961		0
4	DCE12C	6.708	1944	0.962		0
5	BNZ	7.958	4749	1.118		0
6	TCE	8.992	2686	1.119		0
7	DCPE13C(s)	10.692	131785	1041.267		0
8		10.950	1463	0.000		0
9	TOL	11.292	3514	0.899		0
10	PCE	12.358	10679	5.493		0
11	CFB13(s)	13.542	486309	1066.416		0
12	EB	14.492	2610	0.764		0
13	XYLMP	14.775	6177	1.514		0
14	XYLO	15.675	2473	0.731		0
15		17.775	34273	0.000		0

Totals :

698087	2123.987	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.025
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB14NOV95
Acquired : Nov 14, 1995 18:37:18
Printed : Nov 15, 1995 08:04:02
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.792	1662	0.000		0
2	F12	1.975	894	10.249		0
3	VC	2.258	1259	2.016		0
--	CLET	2.417	0	0.000		0
4		2.583	1155	0.000		0
--	F11	2.850	0	0.000		0
5		3.017	320	0.000		0
--	11DCE	3.208	0	0.000		0
6	DCM	3.367	1555	3.642		0
7	F113	3.442	342	1.774		0
8		3.617	1782	0.000		0
--	DCE12T	3.842	0	0.000		0
9	DCA11	3.992	531	1.300		0
10		4.108	665	0.000		0
11	DCE12C	4.625	625	1.545		0
--	CLFM	4.683	0	0.000		0
12	DCA12	5.300	555	1.376		0
13	TCA111	5.475	2829	9.126		0
--	CBTC	5.792	0	0.000		0
14	BNZ	5.808	2372	1.562	✓	0
15		6.500	582	0.000		0
16	TCE	6.683	516	1.671		0
17	DCPE13C(s)	7.517	78164	1108.949		0
18	TCA112	8.192	297	0.990		0
19	TOL	8.492	2442	1.633		0
20	PCE	9.817	1506	6.133		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.025
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB14NOV95
Acquired : Nov 14, 1995 18:37:18
Printed : Nov 15, 1995 08:04:04
User : DQF

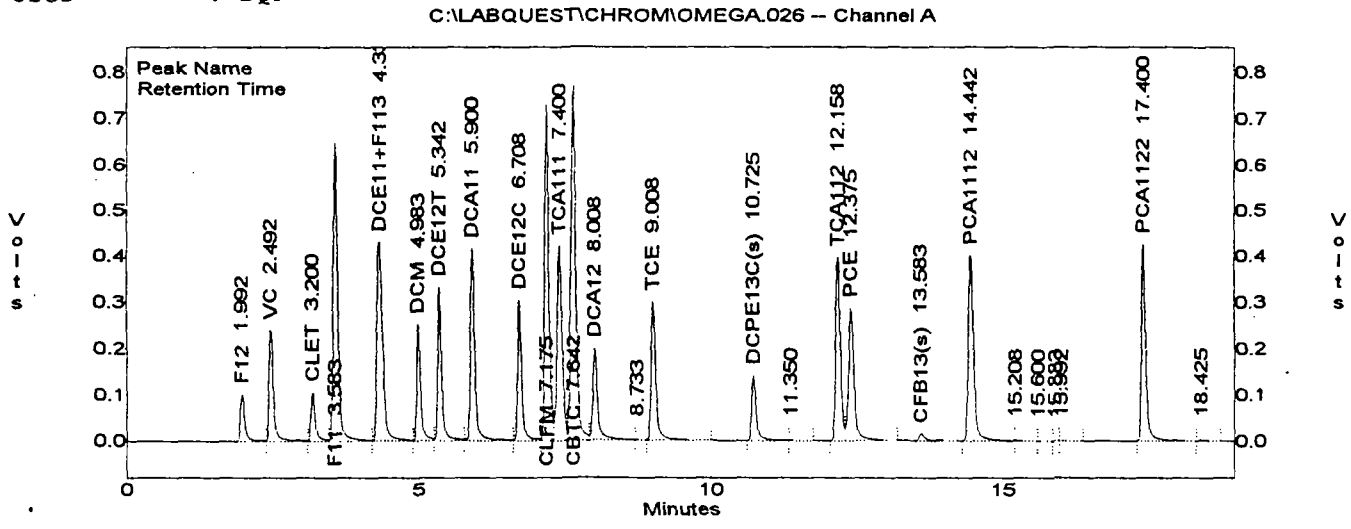
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21	CFB13(s)	10.225	173468	1120.143	0
--	PCA1112	10.567	0	0.000	0
22		10.592	911	0.000	0
23	EB+PCA1122	11.308	1579	2.184	0
24	XYLMP	11.600	3235	2.195	0
25	XYLO	12.283	1853	1.094	0

Totals :

281107	2277.581	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:08
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.992	573457	269.322	0
2	VC	2.492	1304887	381.189	0
3	CLET	3.200	552483	378.272	0
4	F11	3.583	3550216	484.972	0
5	DCE11+F113	4.333	3000665	759.288	0
6	DCM	4.983	1151062	322.184	0
7	DCE12T	5.342	1552111	333.590	0
8	DCA11	5.900	2238393	389.742	0
9	DCE12C	6.708	1493872	320.684	0
10	CLFM	7.175	3653682	507.186	0
11	TCA111	7.400	2594927	410.227	0
12	CBTC	7.642	4607140	514.022	0
13	DCA12	8.008	1227203	326.385	0
14		8.733	15877	0.000	0
15	TCE	9.008	1713938	344.712	0
16	DCPE13C(s)	10.725	815650	1036.882	0
17		11.350	7035	0.000	0
18	TCA112	12.158	2218017	388.452	0
19	PCE	12.375	1877108	346.804	0
20	CFB13(s)	13.583	117355	862.149	0
21	PCA1112	14.442	2637945	420.311	0
22		15.208	17178	0.000	0
23		15.600	5831	0.000	0
24		15.883	1901	0.000	0
25		15.992	4190	0.000	0
26	PCA1122	17.400	2289384	393.771	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:11
User : DQF

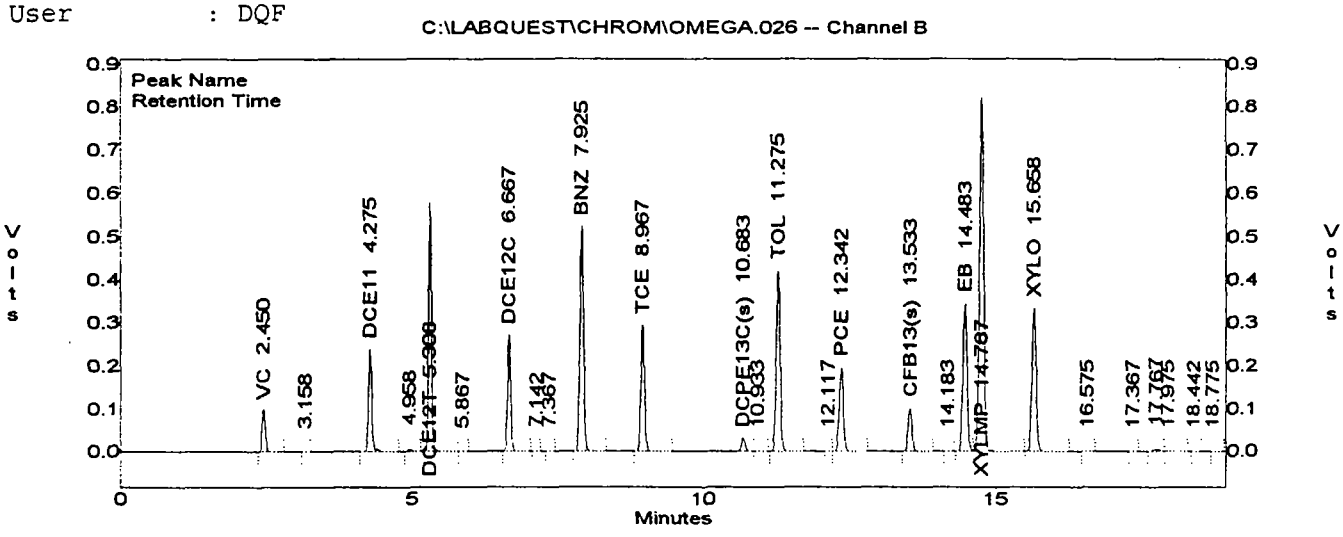
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27		18.425	30533	0.000	0

Totals :

	39252052	9190.146

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:14
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.450	401635	542.557	0
2		3.158	1426	0.000	0
3	DCE11	4.275	954968	561.987	0
4		4.958	19330	0.000	0
5	DCE12T	5.308	1967225	516.461	0
6		5.867	1500	0.000	0
7	DCE12C	6.667	1042837	515.859	0
8		7.142	667	0.000	0
9		7.367	327	0.000	0
10	BNZ	7.925	2269312	534.270	0
11	TCE	8.967	1289591	537.011	0
12	DCPE13C(s)	10.683	134094	1059.510	0
13		10.933	1303	0.000	0
14	TOL	11.275	1969471	503.703	0
15		12.117	576	0.000	0
16	PCE	12.342	971708	499.837	0
17	CFB13(s)	13.533	493357	1081.872	0
18		14.183	534	0.000	0
19	EB	14.483	1757870	514.625	0
20	XYLMP	14.767	4125938	1011.276	0
21	XYLO	15.658	1679379	496.741	0
22		16.575	3489	0.000	0
23		17.367	581	0.000	0
24		17.767	32831	0.000	0
25		17.975	4304	0.000	0
26		18.442	390	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:16
User : DQF

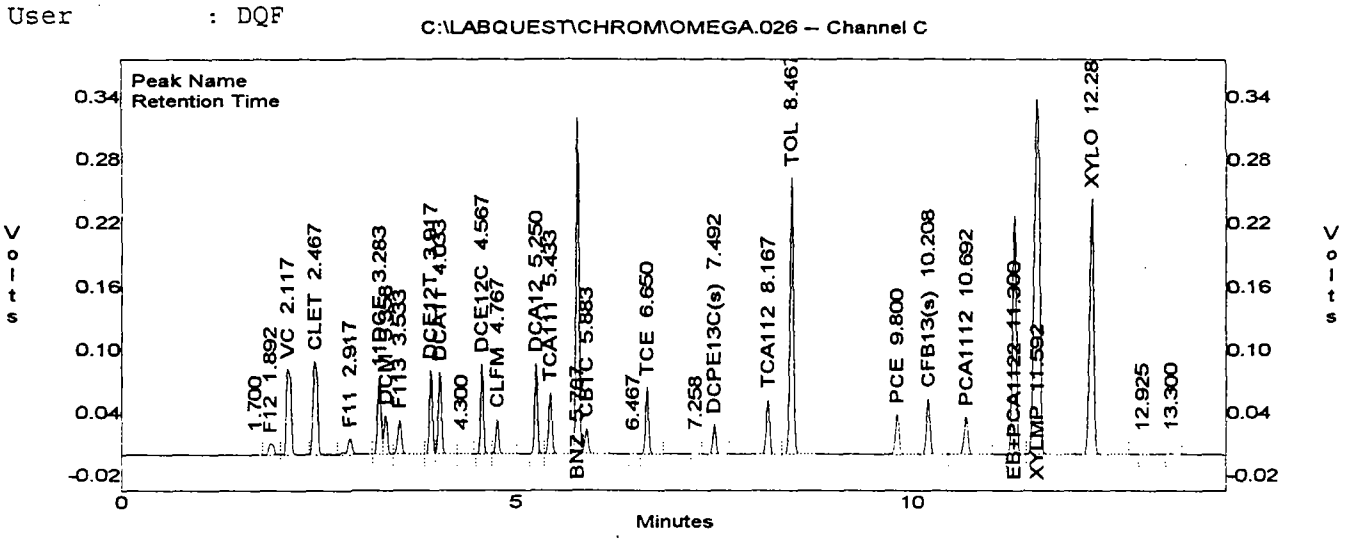
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		18.775	445	0.000	0

Totals :

	19125096	8375.711

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:19
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	1473	0.000	0
2	F12	1.892	48922	560.863	0
3	VC	2.117	359478	575.448	0
4	CLET	2.467	355057	606.023	0
5	F11	2.917	64637	678.081	0
6	11DCE	3.283	232178	630.348	0
7	DCM	3.358	115055	269.351	0
8	F113	3.533	107818	558.317	0
9	DCE12T	3.917	217302	547.861	0
10	DCA11	4.033	224706	549.947	0
11		4.300	1347	0.000	0
12	DCE12C	4.567	220754	545.386	0
13	CLFM	4.767	87435	557.793	0
14	DCA12	5.250	219173	542.990	0
15	TCA111	5.433	167238	539.500	0
16	BNZ	5.767	858376	565.431	0
17	CBTC	5.883	72421	557.333	0
18		6.467	572	0.000	0
19	TCE	6.650	174833	565.448	0
20		7.258	623	0.000	0
21	DCPE13C(s)	7.492	78190	1109.318	0
22	TCA112	8.167	158952	528.720	0
23	TOL	8.467	794133	530.935	0
24	PCE	9.800	129941	528.990	0
25	CFB13(s)	10.208	176070	1136.948	0
26	PCA1112	10.692	129523	536.700	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.026
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951114PM
Acquired : Nov 14, 1995 19:02:07
Printed : Nov 15, 1995 08:29:21
User : DQF

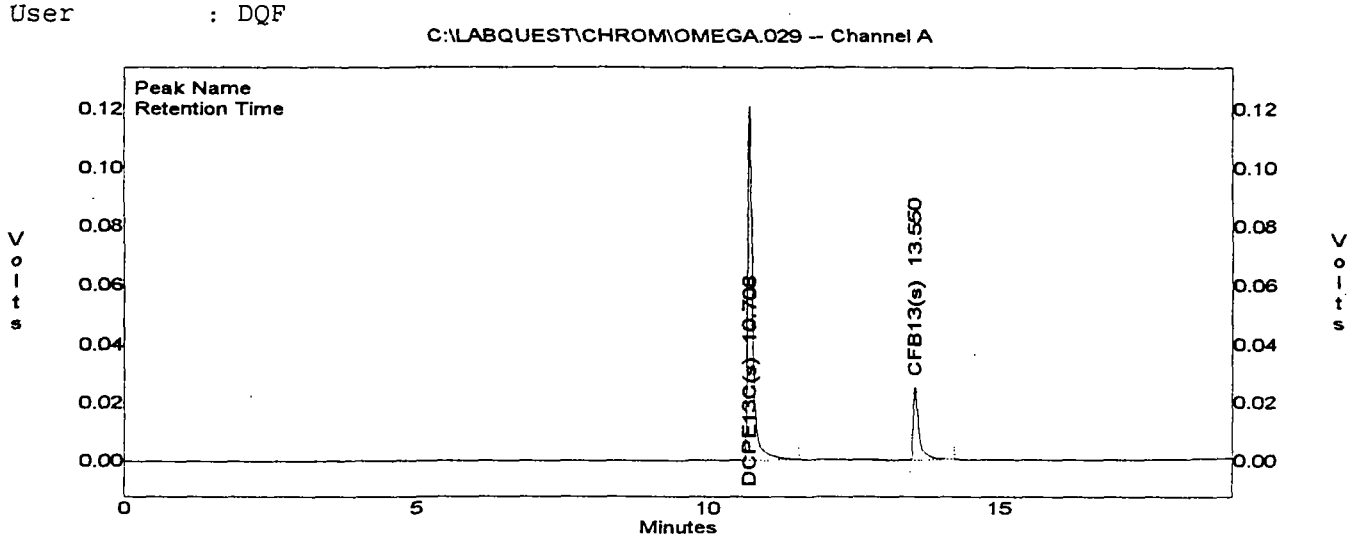
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	EB+PCA1122	11.300	797319	1102.618	0
28	XYLMP	11.592	1572330	1066.774	0
29	XYLO	12.283	885608	522.630	0
30		12.925	341	0.000	0
31		13.300	2546	0.000	0

Totals :

8254362 15913.754

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.029
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951115AM
Acquired : Nov 15, 1995 07:47:17
Printed : Nov 15, 1995 08:06:46
User : DQF



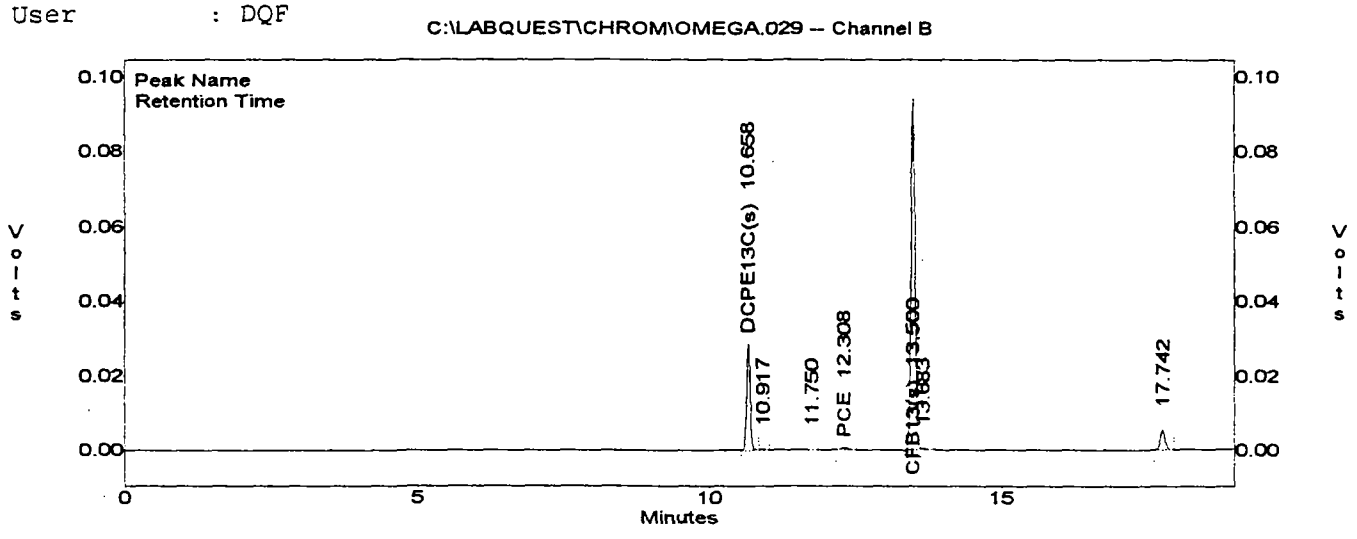
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.933	0	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.250	0	0.000	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
--	DCA11	5.808	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	CLFM	7.083	0	0.000	0
--	TCA111	7.308	0	0.000	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
--	TCE	8.900	0	0.000	0
1	DCPE13C(s)	10.708	732905	931.695	0
--	TCA112	12.033	0	0.000	0
--	PCE	12.250	0	0.000	0
2	CFB13(s)	13.550	173103	1271.702	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0

Totals :

906009 2203.397

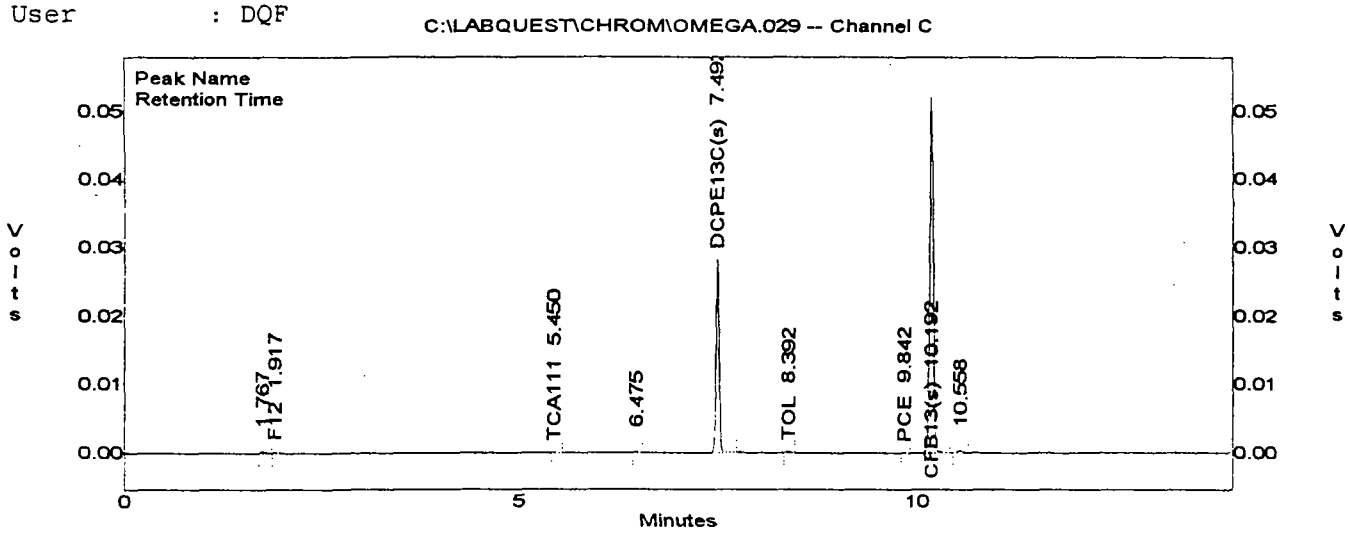
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.029
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951115AM
Acquired : Nov 15, 1995 07:47:17
Printed : Nov 15, 1995 08:06:50
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.392	0	0.000	0
--	DCE11	4.200	0	0.000	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
--	BNZ	7.825	0	0.000	0
--	TCE	8.858	0	0.000	0
1	DCPE13C(s)	10.658	119747	946.153 ✓	0
2		10.917	607	0.000	0
--	TOL	11.150	0	0.000	0
3		11.750	310	0.000	0
4	PCE	12.308	4057	2.087 X	0
5	CFB13(s)	13.500	445651	977.258 ✓	0
6		13.683	1866	0.000	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
7		17.742	30202	0.000	0
Totals :			602442	1925.498	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.029
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951115AM
Acquired : Nov 15, 1995 07:47:17
Printed : Nov 15, 1995 08:06:54
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.767	1547	0.000	0
2	F12	1.917	667	7.652	0
--	VC	2.075	0	0.000	0
--	CLET	2.417	0	0.000	0
--	F11	2.850	0	0.000	0
--	11DCE	3.208	0	0.000	0
--	DCM	3.292	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.842	0	0.000	0
--	DCA11	3.958	0	0.000	0
--	DCE12C	4.492	0	0.000	0
--	CLFM	4.683	0	0.000	0
--	DCA12	5.167	0	0.000	0
3	TCA111	5.450	264	0.853	0
--	BNZ	5.683	0	0.000	0
--	CBTC	5.792	0	0.000	0
4		6.475	657	0.000	0
--	TCE	6.550	0	0.000	0
5	DCPE13C(s)	7.492	75866	1076.339	0
--	TCA112	8.058	0	0.000	0
6	TOL	8.392	646	0.432	0
7	PCE	9.842	430	1.753	0
8	CFB13(s)	10.192	168110	1085.547	0
9		10.558	1518	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.029
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951115AM
Acquired : Nov 15, 1995 07:47:17
Printed : Nov 15, 1995 08:06:56
User : DQF

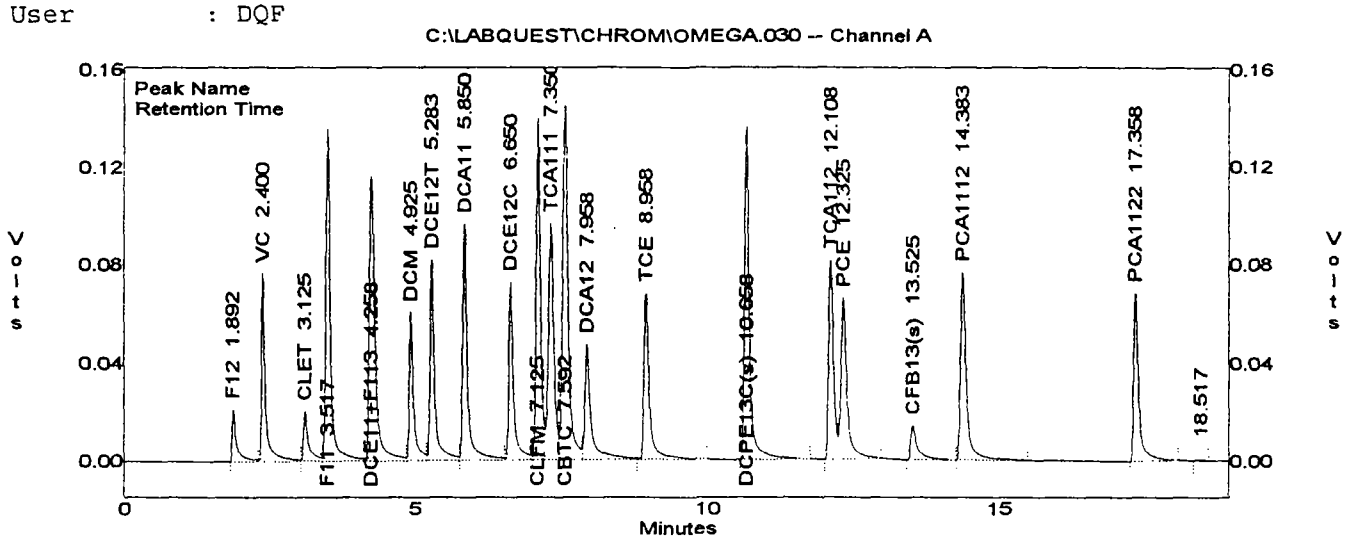
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

	249708	2172.577

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.030
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951115AM
Acquired : Nov 15, 1995 08:15:38
Printed : Nov 15, 1995 10:31:39
User : DQF



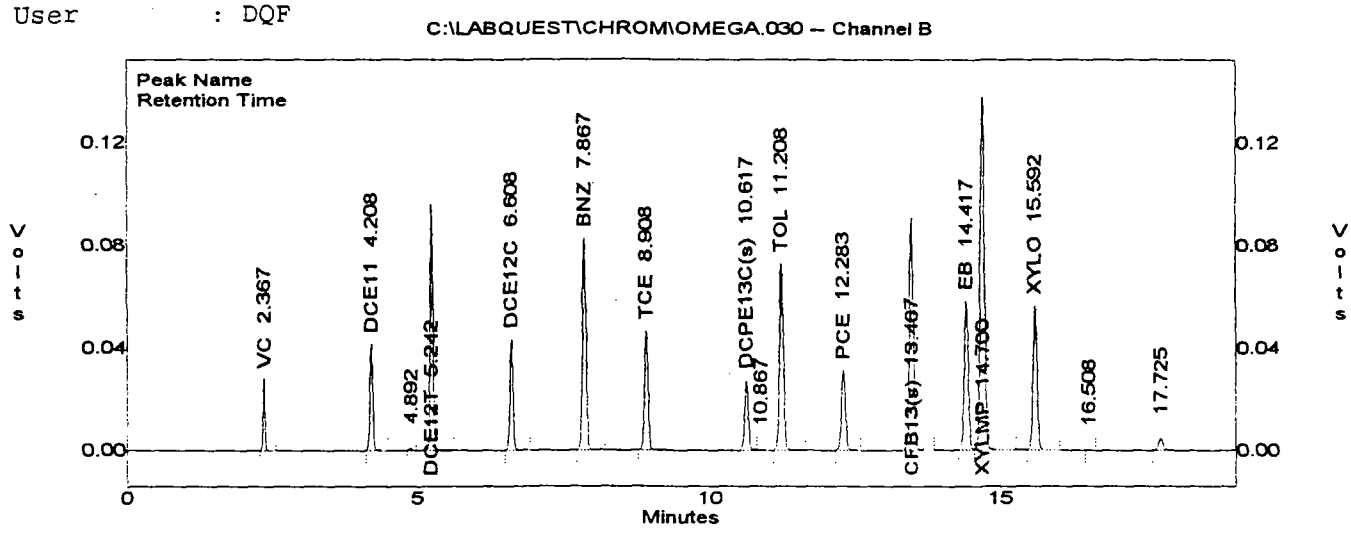
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.892	115787	271.895	0
2	VC	2.400	355956	519.917	0
3	CLET	3.125	124656	426.745	0
4	F11	3.517	759752	518.925	0
5	DCE11+F113	4.258	814441	1030.430	0
6	DCM	4.925	310046	433.911	0
7	DCE12T	5.283	450006	483.592	0
8	DCA11	5.850	571525	497.561	0
9	DCE12C	6.650	408883	438.867	0
10	CLFM	7.125	719095	499.106	0
11	TCA111	7.350	623838	493.107	0
12	CBTC	7.592	967214	539.565	0
13	DCA12	7.958	348788	463.817	0
14	TCE	8.958	453101	455.645	0
15	DCPE13C(s)	10.658	814134	5174.776	0
16	TCA112	12.108	473998	415.068	0
17	PCE	12.325	479667	443.103	0
18	CFB13(s)	13.525	116175	4267.383	0
19	PCA1112	14.383	541827	431.654	0
20	PCA1122	17.358	436859	375.696	0
21		18.517	1453	0.000	0

Totals :

9887210 18180.766

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.030
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951115AM
Acquired : Nov 15, 1995 08:15:38
Printed : Nov 15, 1995 10:31:44
User : DQF



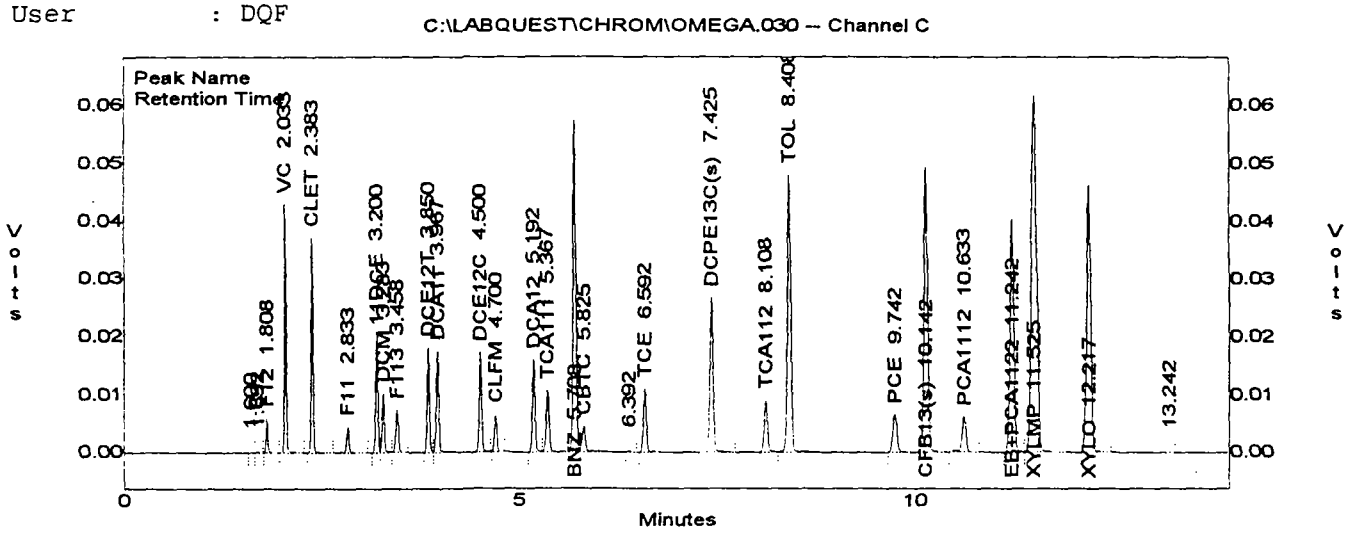
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.367	62817	424.291	0
2	DCE11	4.208	141558	466.534	0
3		4.892	2719	0.000	0
4	DCE12T	5.242	306546	402.393	0
5	DCE12C	6.608	160071	395.911	0
6	BNZ	7.867	349849	442.449	0
7	TCE	8.908	198707	413.728	0
8	DCPE13C(s)	10.617	118414	4678.106	0
9		10.867	1120	0.000	0
10	TOL	11.208	336238	471.258	0
11	PCE	12.283	152470	392.148	0
12	CFB13(s)	13.467	432114	4737.867	0
13	EB	14.417	285075	452.556	0
14	XYLMP	14.700	688754	908.283	0
15	XYLO	15.592	277407	458.112	0
16		16.508	302	0.000	0
17		17.725	25615	0.000	0

Totals :

3539782 14643.636

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.030
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951115AM
Acquired : Nov 15, 1995 08:15:38
Printed : Nov 15, 1995 10:31:49
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.600	247	0.000	0
2		1.692	711	0.000	0
3	F12	1.808	8725	500.176	0
4	VC	2.033	63069	504.806	0
5	CLET	2.383	61394	523.951	0
6	F11	2.833	9803	514.222	0
7	11DCE	3.200	38513	522.814	0
8	DCM	3.283	19924	233.221	0
9	F113	3.458	17941	464.542	0
10	DCE12T	3.850	36139	455.578	0
11	DCA11	3.967	38880	475.785	0
12	DCE12C	4.500	36972	456.710	0
13	CLFM	4.700	14751	470.531	0
14	DCA12	5.192	36916	457.294	0
15	TCA111	5.367	29479	475.490	0
16	BNZ	5.708	140263	461.972	0
17	CBTC	5.825	13177	507.068	0
18		6.392	624	0.000	0
19	TCE	6.592	29402	475.470	0
20	DCPE13C(s)	7.425	74652	5295.614	0
21	TCA112	8.108	27410	455.873	0
22	TOL	8.408	146209	488.757	0
23	PCE	9.742	22433	456.628	0
24	CFB13(s)	10.142	161364	5209.931	0
25	PCA1112	10.633	22888	474.210	0
26	EB+PCA1122	11.242	137182	948.554	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.030
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951115AM
Acquired : Nov 15, 1995 08:15:38
Printed : Nov 15, 1995 10:31:50
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	XYLMP	11.525	281238	954.055	0
28	XYLO	12.217	164734	486.079	0
29		13.242	323	0.000	0

Totals :

	1635378	22269.332

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: FB15NOV95	Probe Depth (ft): NA
Time Sampled: 8:45	Sampled by: WM
Date Sampled: 11-15-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: NA
Air Temp. (F): 77°F	Wind dir/speed: NA

Sample Parameters

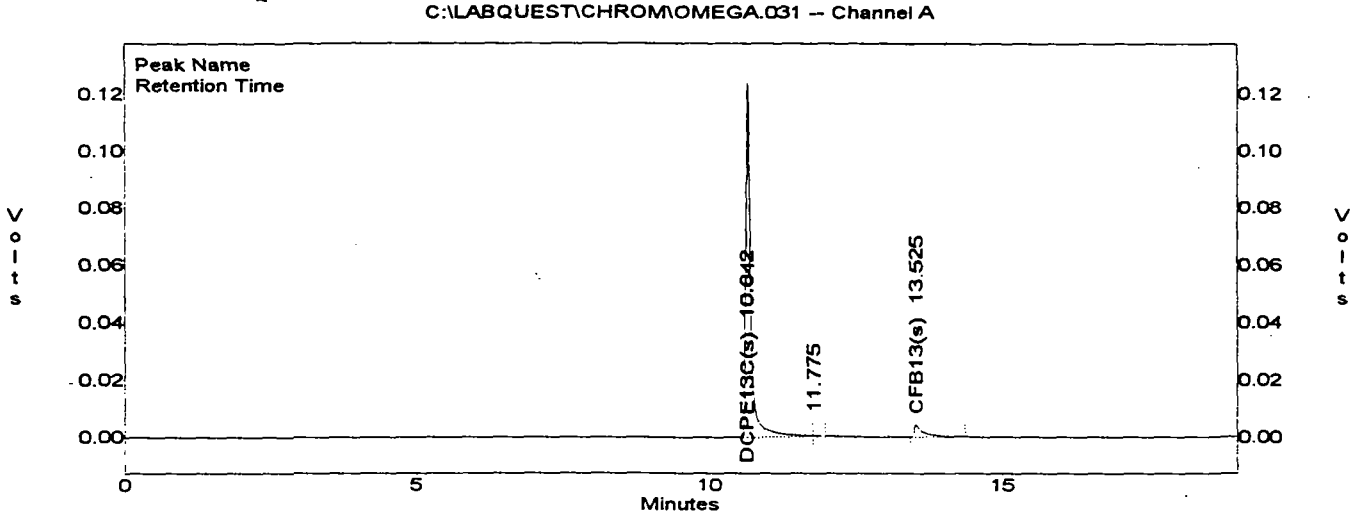
Probe Volume (ml): -	Max. Purge Vacuum (in. Hg): -
Purge Volume (liters): 5	Equilibrium Time: -
Purge Time (min.): 1 MIN	Sample Volume (ml): 10 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DGF	Volume Analyzed: 1 mL
Recd. Date: 11/14/95 Time: 08:40	Time Injected: 08:40 Loop #: 1

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	95
PCE		% Surr. 2, ELCD	36
1112PCA		% Surr. 1, PID	93
1122PCA		% Surr. 2, PID	94
		% Surr. 1, FID	106
		% Surr. 2, FID	104

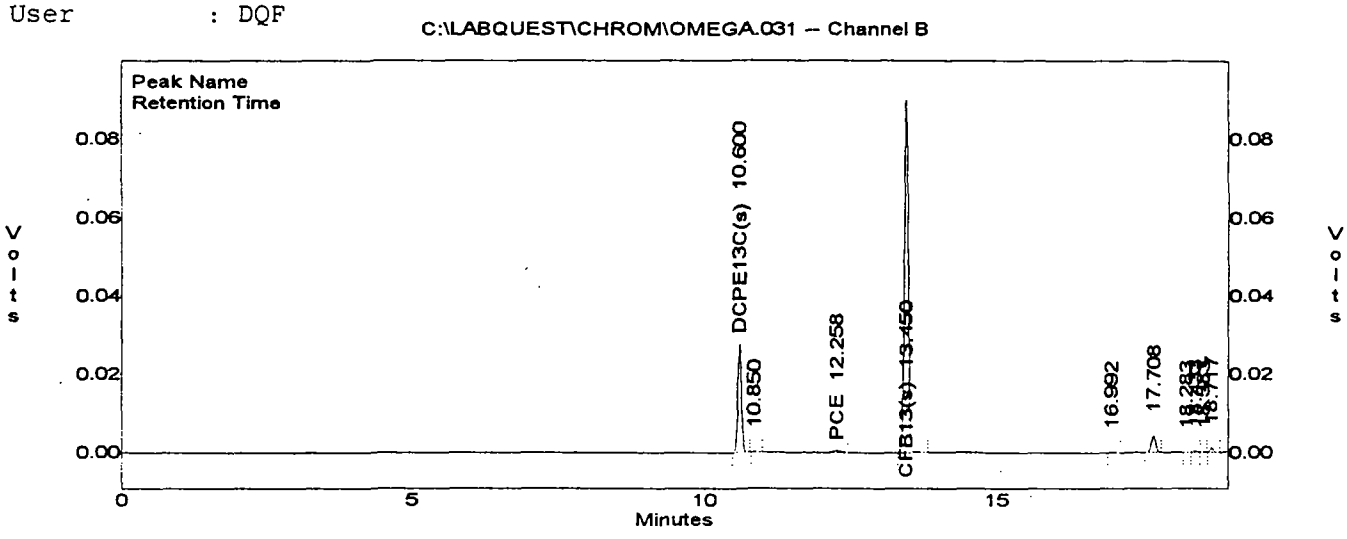
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.031
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB15NOV95
Acquired : Nov 15, 1995 08:41:27
Printed : Nov 15, 1995 09:00:49
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.933	0	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.250	0	0.000	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
--	DCA11	5.808	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	CLFM	7.083	0	0.000	0
--	TCA111	7.308	0	0.000	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
--	TCE	8.900	0	0.000	0
1	DCPE13C(s)	10.642	743927	945.706 ✓	0
2		11.775	1313	0.000	0
--	TCA112	12.033	0	0.000	0
--	PCE	12.250	0	0.000	0
3	CFB13(s)	13.525	48685	357.665 ✓	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0
Totals :			793925	1303.371	

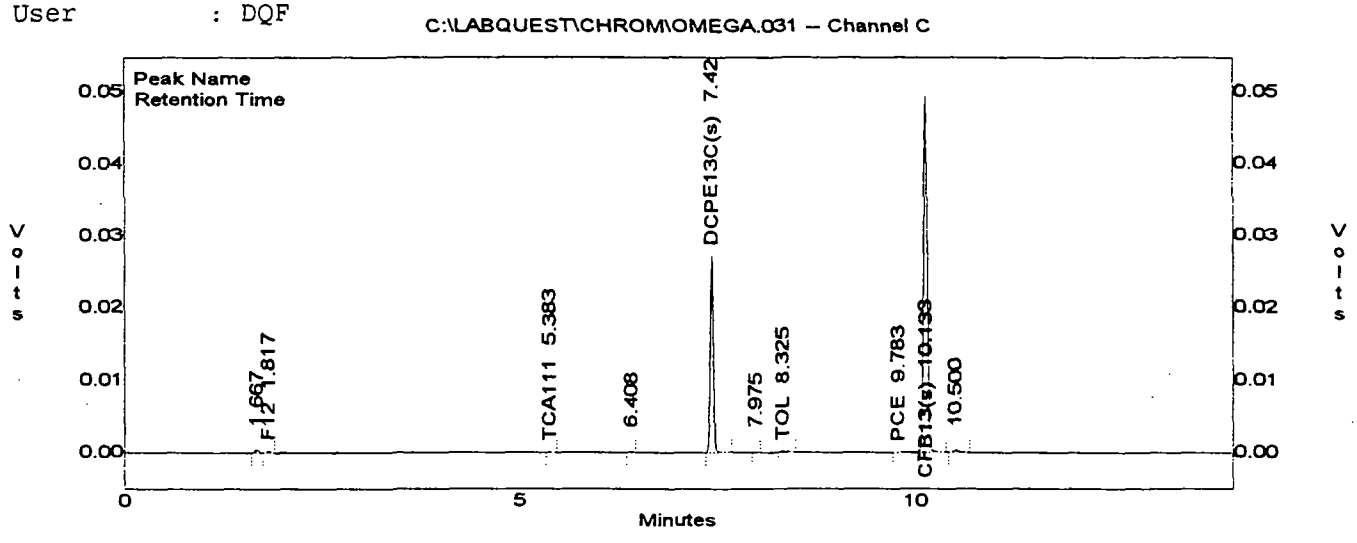
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.031
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB15NOV95
Acquired : Nov 15, 1995 08:41:27
Printed : Nov 15, 1995 09:00:53
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.392	0	0.000	0
--	DCE11	4.200	0	0.000	0
--	DCE12T	5.225	0	0.000	0
--	DCE12C	6.575	0	0.000	0
--	BNZ	7.825	0	0.000	0
--	TCE	8.858	0	0.000	0
1	DCPE13C(s)	10.600	117231	926.268	0
2		10.850	591	0.000	0
--	TOL	11.150	0	0.000	0
3	PCE	12.258	3313	1.704	0
4	CFB13(s)	13.450	427008	936.378	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
5		16.992	584	0.000	0
6		17.708	23467	0.000	0
7		18.283	339	0.000	0
8		18.433	1469	0.000	0
9		18.583	568	0.000	0
10		18.717	4467	0.000	0
Totals :			579039	1864.350	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.031
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB15NOV95
Acquired : Nov 15, 1995 08:41:27
Printed : Nov 15, 1995 09:00:56
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	1923	0.000	0
2	F12	1.817	751	8.621	0
--	VC	2.075	0	0.000	0
--	CLET	2.417	0	0.000	0
--	F11	2.850	0	0.000	0
--	11DCE	3.208	0	0.000	0
--	DCM	3.292	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.842	0	0.000	0
--	DCA11	3.958	0	0.000	0
--	DCE12C	4.492	0	0.000	0
--	CLFM	4.683	0	0.000	0
--	DCA12	5.167	0	0.000	0
3	TCA111	5.383	261	0.843	0
--	BNZ	5.683	0	0.000	0
--	CBTC	5.792	0	0.000	0
4		6.408	566	0.000	0
--	TCE	6.550	0	0.000	0
5	DCPE13C(s)	7.425	74589	1058.222	0
6		7.975	221	0.000	0
--	TCA112	8.058	0	0.000	0
7	TOL	8.325	870	0.582	0
8	PCE	9.783	291	1.187	0
9	CFB13(s)	10.133	161734	1044.375	0
10		10.500	1174	0.000	0
--	PCA1112	10.567	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.031
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB15NOV95
Acquired : Nov 15, 1995 08:41:27
Printed : Nov 15, 1995 09:00:58
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

242384 2113.830

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG7-6	Probe Depth (ft): 6'
Time Sampled: 9:22	Sampled by: WM
Date Sampled: 11.15.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 57.6°F	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :07	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

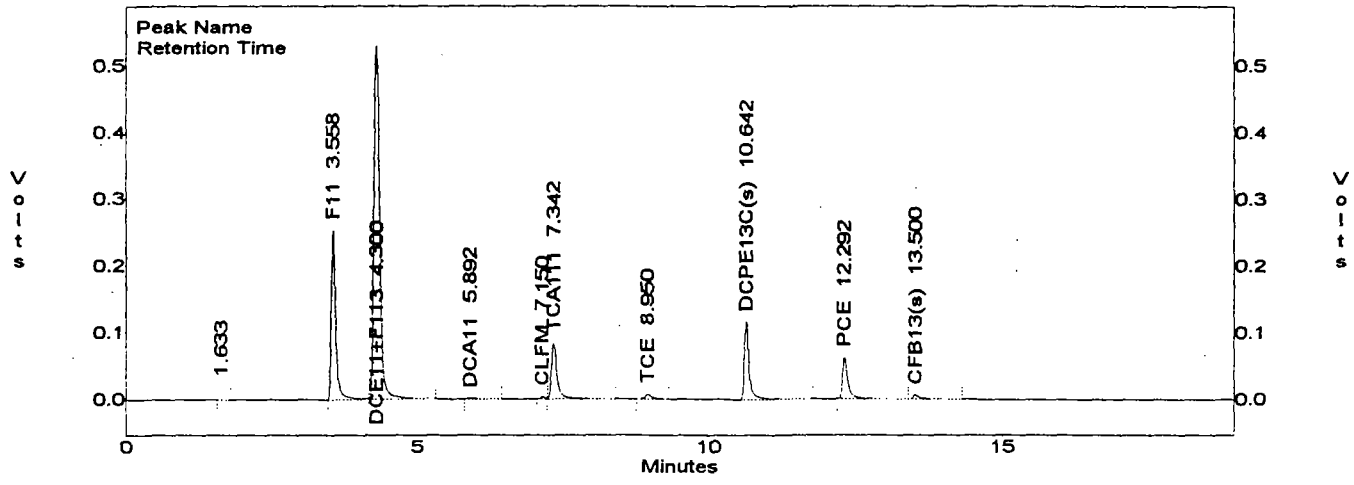
Analytical Summary

Chemist: DCF	Volume Analyzed: 1mL
Recd. Date: 11/~~14~~/15/95 Time: 9:23	Time Injected: 9:23. Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	190	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	190		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	2.6				
c-12DCE	<1				
Chloroforme	3.2		Freon 113	870	
111TCA	93				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	13				
112TCA	<1		% Surr. 1, ELCD	89	
PCE	79		% Surr. 2, ELCD	45	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	108	
			% Surr. 2, FID	105	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.032
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-6
Acquired : Nov 15, 1995 09:26:00
Printed : Nov 15, 1995 09:45:26
User : DQF

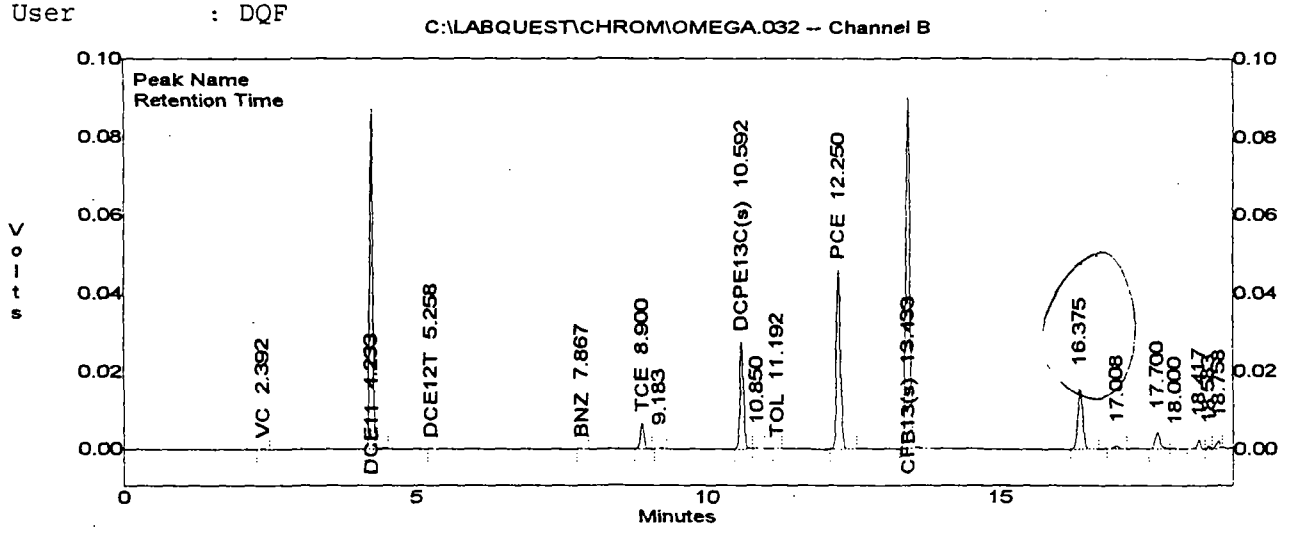
C:\LABQUEST\CHROM\OMEGA.032 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	1639	0.000	0
--	F12	1.933	0	0.000	0
--	VC	2.425	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.558	1397697	190.930	0
3	DCE11+F113	4.300	3726825	943.035	0
--	DCM	4.900	0	0.000	0
--	DCE12T	5.258	0	0.000	0
4	DCA11	5.892	14822	2.581	0
--	DCE12C	6.608	0	0.000	0
5	CLFM	7.150	23087	3.205	0
6	TCA111	7.342	589877	93.252	0
--	CBTC	7.533	0	0.000	0
--	DCA12	7.908	0	0.000	0
7	TCE	8.950	63645	12.801	0
8	DCPE13C(s)	10.642	703019	893.703	0
--	TCA112	12.033	0	0.000	0
9	PCE	12.292	427887	79.054	0
10	CFB13(s)	13.500	61129	449.085	0
--	PCA1112	14.317	0	0.000	0
--	PCA1122	17.292	0	0.000	0
Totals :			7009630	2667.646	

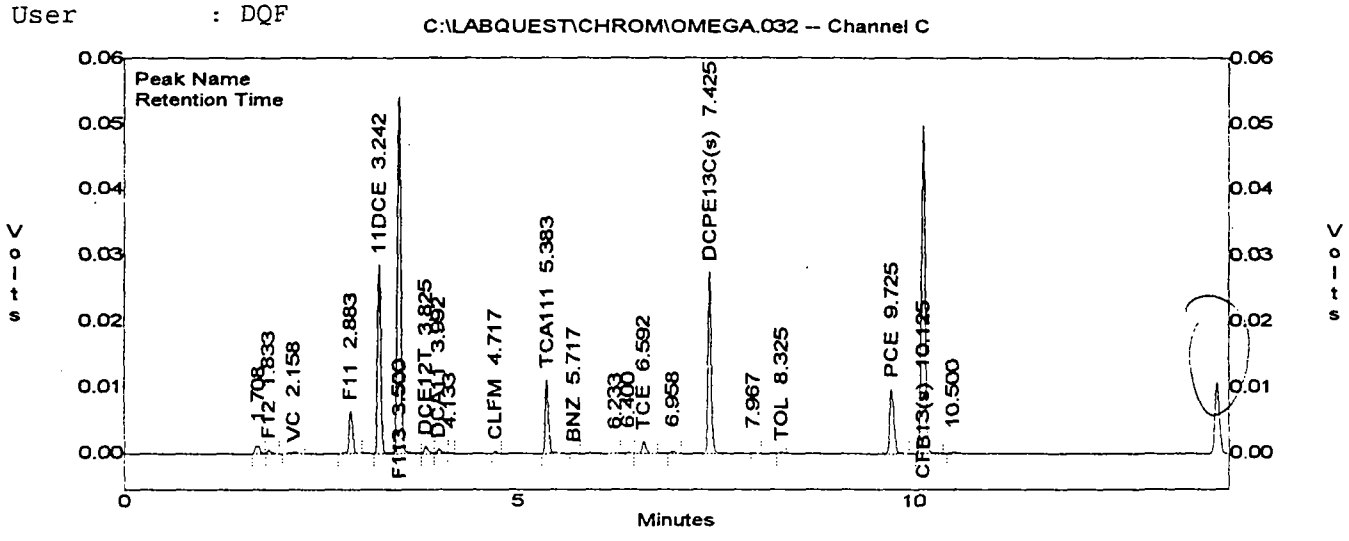
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.032
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-6
Acquired : Nov 15, 1995 09:26:00
Printed : Nov 15, 1995 09:45:30
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.392	1223	1.652	0
2	DCE11	4.233	317781	187.010 ✓	0
3	DCE12T	5.258	422	0.111	0
--	DCE12C	6.575	0	0.000	0
4	BNZ	7.867	394	0.093	0
5	TCE	8.900	27776	11.567	0
6		9.183	431	0.000	0
7	DCPE13C(s)	10.592	116523	920.677	0
8		10.850	924	0.000	0
9	TOL	11.192	311	0.080	0
10	PCE	12.250	221127	113.746	0
11	CFB13(s)	13.433	423512	928.711	0
--	EB	14.350	0	0.000	0
--	XYLMP	14.633	0	0.000	0
--	XYLO	15.533	0	0.000	0
12		16.375	91378	0.000	0
13		17.008	5134	0.000	0
14		17.700	26425	0.000	0
15		18.000	915	0.000	0
16		18.417	9053	0.000	0
17		18.583	2138	0.000	0
18		18.758	8025	0.000	0
Totals :			1253499	2163.646	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.032
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-6
Acquired : Nov 15, 1995 09:26:00
Printed : Nov 15, 1995 09:45:34
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.708	5420	0.000	0
2	F12	1.833	1911	21.913	0
3	VC	2.158	1630	2.610	0
--	CLET	2.417	0	0.000	0
4	F11	2.883	21480	225.340	0
5	11DCE	3.242	83535	226.794	0
--	DCM	3.292	0	0.000	0
6	F113	3.500	168003	869.974	0
7	DCE12T	3.825	4318	10.887	0
8	DCA11	3.992	2506	6.135	0
9		4.133	204	0.000	0
--	DCE12C	4.492	0	0.000	0
10	CLFM	4.717	1090	6.954	0
--	DCA12	5.167	0	0.000	0
11	TCA111	5.383	32089	103.517	0
12	BNZ	5.717	336	0.222	0
--	CBTC	5.792	0	0.000	0
13		6.233	291	0.000	0
14		6.400	557	0.000	0
15	TCE	6.592	6640	21.476	0
16		6.958	1334	0.000	0
17	DCPE13C(s)	7.425	76002	1078.272	0
18		7.967	215	0.000	0
--	TCA112	8.058	0	0.000	0
19	TOL	8.325	466	0.312	0
20	PCE	9.725	33230	135.282	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.032
Method : C:\LABQUEST\METHODS\OMEGA.MET
S le ID : SG7-6
quired : Nov 15, 1995 09:26:00
inted : Nov 15, 1995 09:45:36
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21	CFB13(s)	10.125	161944	1045.728	0
22		10.500	1148	0.000	0
--	PCA1112	10.567	0	0.000	0
--	EB+PCA1122	11.175	0	0.000	0
--	XYLMP	11.467	0	0.000	0
--	XYLO	12.150	0	0.000	0

Totals :

604356	3755.416	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB7-12
Probe Depth (ft): 12'
Time Sampled: 9:37
Sampled by: WM
Date Sampled: 11-15-95
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST
Ground Surface: CONCRETE
Air Temp. (F): 57.4°F
Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225
Max. Purge Vacuum (in. Hg): 15
Purge Volume (liters): .75
Equilibrium Time: :02
Purge Time (min.): :02
Sample Volume (ml): 20 mL
Notes:
Syringe ID: A B

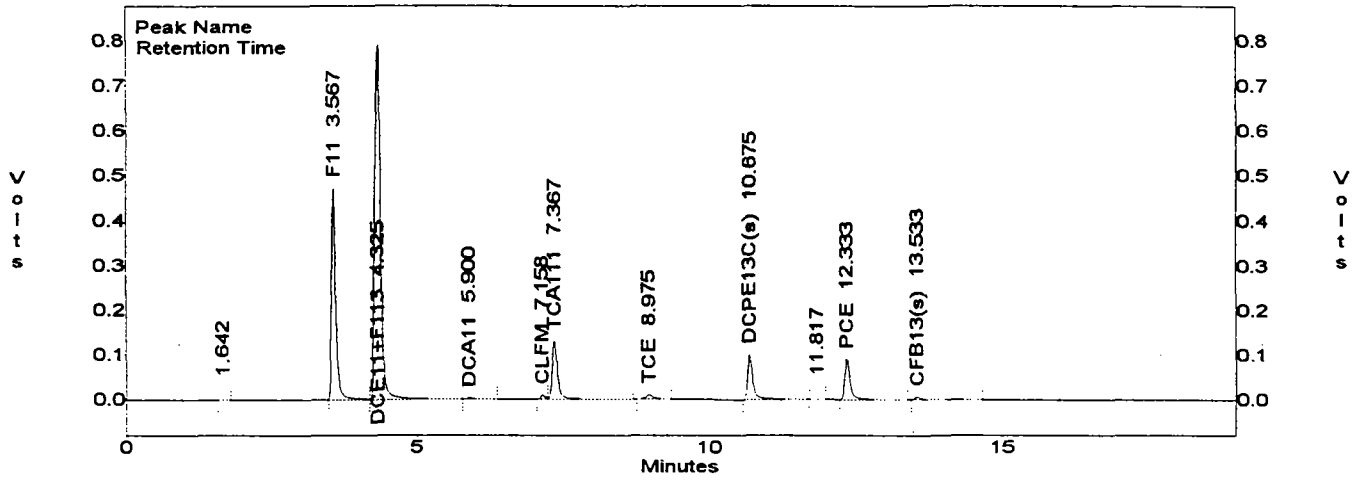
Analytical Summary

Chemist: DOF
Volume Analyzed: 1 mL
Recd. Date: 11/15/95 Time: 9:40
Time Injected: 9:47 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	380	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	340		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	5.1				
c-12DCE	<1				
Chloroforme	7.3		Freon 113	1800	
111TCA	140				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	19				
112TCA	<1		% Surr. 1, ELCD	82	
PCE	110		% Surr. 2, ELCD	45	
1112PCA	<1		% Surr. 1, PID	93	
1122PCA	<1		% Surr. 2, PID	94	
			% Surr. 1, FID	109	
			% Surr. 2, FID	105	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.033
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-12
Acquired : Nov 15, 1995 09:50:18
Printed : Nov 15, 1995 10:09:42
User : DQF

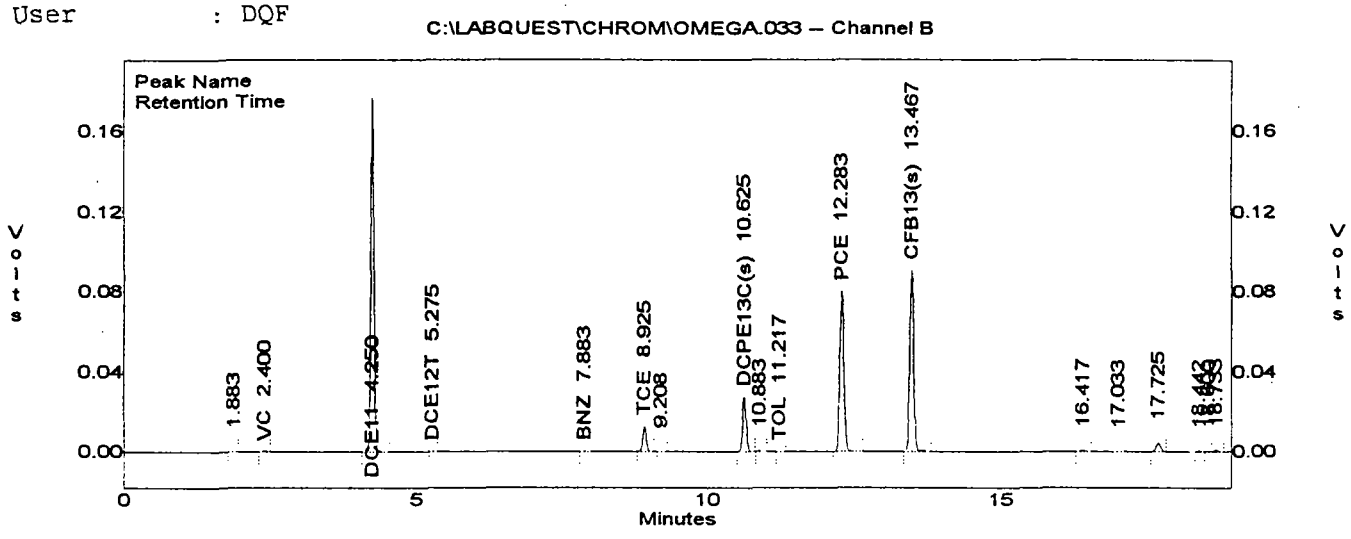
C:\LABQUEST\CHROM\OMEGA.033 – Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.642	1262	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.567	2513409	343.341 ✓	0
3	DCE11+F113	4.325	5568484	1409.048	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
4	DCA11	5.900	29098	5.067 ✓	0
--	DCE12C	6.650	0	0.000	0
5	CLFM	7.158	52861	7.338 ✓	0
6	TCA111	7.367	874931	138.316 ✓	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
7	TCE	8.975	93969	18.899 ✓	0
8	DCPE13C(s)	10.675	641596	815.620	0
9		11.817	1532	0.000	0
--	TCA112	12.108	0	0.000	0
10	PCE	12.333	608436	112.411 ✓	0
11	CFB13(s)	13.533	61796	453.983	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			10447378	3304.022	

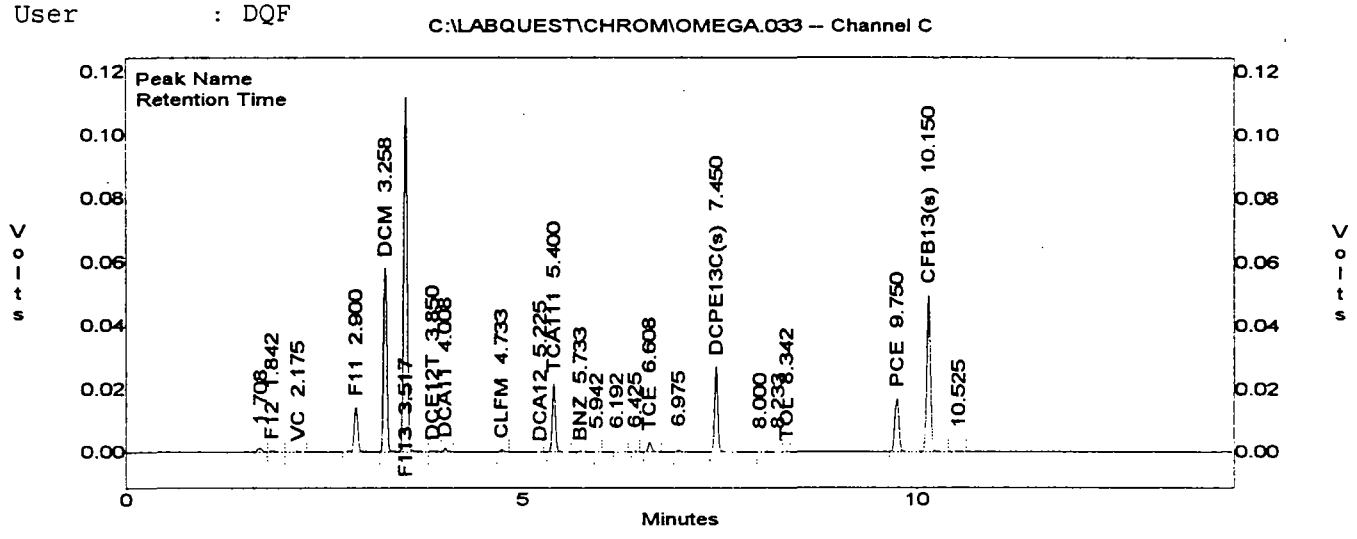
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.033
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-12
Acquired : Nov 15, 1995 09:50:18
Printed : Nov 15, 1995 10:09:46
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.883	396	0.000	0
2	VC	2.400	1867	2.523	0
3	DCE11	4.250	654052	384.902 ✓	0
4	DCE12T	5.275	732	0.192	0
--	DCE12C	6.608	0	0.000	0
5	BNZ	7.883	1190	0.280	0
6	TCE	8.925	51859	21.595	0
7		9.208	362	0.000	0
8	DCPE13C(s)	10.625	117333	927.074	0
9		10.883	553	0.000	0
10	TOL	11.217	305	0.078	0
11	PCE	12.283	387328	199.238	0
12	CFB13(s)	13.467	428377	939.380	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
13		16.417	2252	0.000	0
14		17.033	843	0.000	0
15		17.725	23326	0.000	0
16		18.442	1465	0.000	0
17		18.600	516	0.000	0
18		18.733	3787	0.000	0
Totals :			1676550	2475.262	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.033
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-12
Acquired : Nov 15, 1995 09:50:18
Printed : Nov 15, 1995 10:09:50
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.708	6301	0.000		0
2	F12	1.842	2664	30.541		0
3	VC	2.175	2024	3.240		0
--	CLET	2.383	0	0.000		0
4	F11	2.900	47753	500.962		0
--	11DCE	3.200	0	0.000		0
5	DCM	3.258	169621	397.092		0
6	F113	3.517	344668	1784.799	√	0
7	DCE12T	3.850	1434	3.616		0
8	DCA11	4.008	3477	8.512		0
--	DCE12C	4.500	0	0.000		0
9	CLFM	4.733	2075	13.241		0
10	DCA12	5.225	237	0.587		0
11	TCA111	5.400	60935	196.574		0
12	BNZ	5.733	730	0.481		0
--	CBTC	5.825	0	0.000		0
13		5.942	348	0.000		0
14		6.192	323	0.000		0
15		6.425	559	0.000		0
16	TCE	6.608	10524	34.037		0
17		6.975	1913	0.000		0
18	DCPE13C(s)	7.450	76556	1086.128		0
19		8.000	237	0.000		0
--	TCA112	8.108	0	0.000		0
20		8.233	249	0.000		0
21	TOL	8.342	472	0.316		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.033
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG7-12
Acquired : Nov 15, 1995 09:50:18
Printed : Nov 15, 1995 10:09:52
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
22	PCE	9.750	57216	232.928	0
23	CFB13(s)	10.150	162844	1051.541	0
24		10.525	1185	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

954352	5344.595	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB6-6'
Probe Depth (ft): 6'
Time Sampled: 10:00
Sampled by: WM
Date Sampled: 11-15-95
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST
Ground Surface: CONCRETE
Air Temp. (F): 57.9°
Wind dir/speed: Calm

Sample Parameters

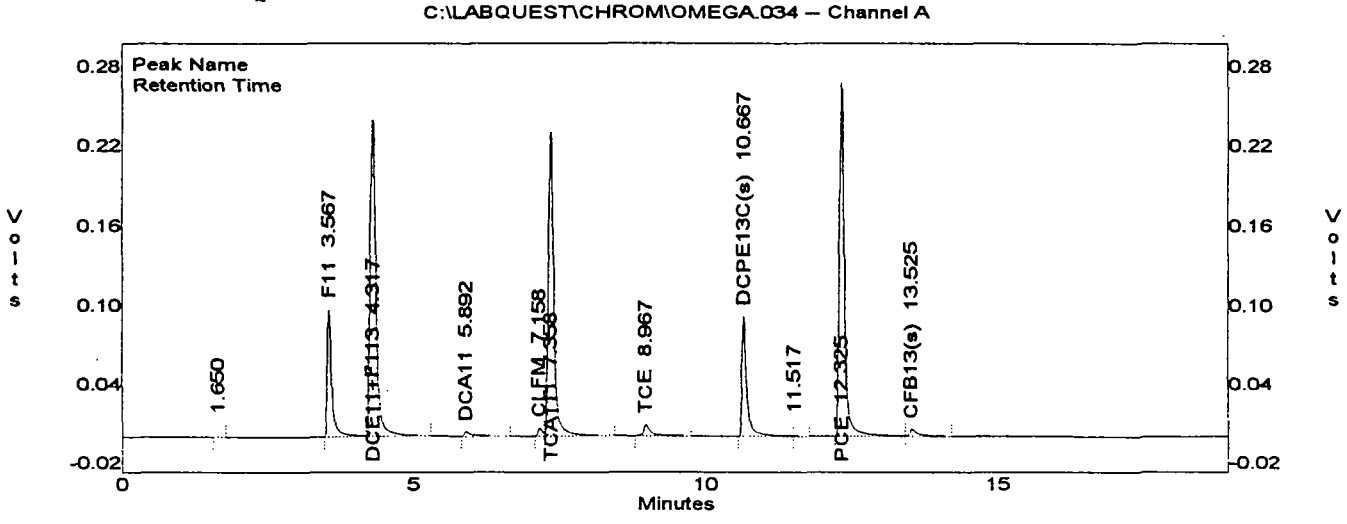
Probe Volume (ml): 150
Max. Purge Vacuum (in. Hg): 18
Purge Volume (liters): .50
Equilibrium Time: :02
Purge Time (min.): :02
Sample Volume (ml): 20ml
Notes:
Syringe ID: A B

Analytical Summary

Chemist: DOF
Volume Analyzed: 1mL
Recd. Date: 11/15/95 Time: 10:01
Time Injected: 10:10 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	130	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane			Toluene	↓	
Freon 11	77		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	<1		o-Xylene		
11DCA	6.0				
c-12DCE	<1				
Chloroforme	4.7		Freon 113	560	
111TCA	~~<1~~ 240				
Carbon Tetrachloride	~~<1~~				
12DCA	~~<1~~				
TCE	15				
112TCA	<1		% Surr. 1, ELCD	70	
PCE	300		% Surr. 2, ELCD	39	
1112PCA	<1		% Surr. 1, PID	94	
1122PCA	<1		% Surr. 2, PID	95	
			% Surr. 1, FID	112	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.034
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-6
Acquired : Nov 15, 1995 10:14:34
Printed : Nov 15, 1995 10:33:57
User : DQF



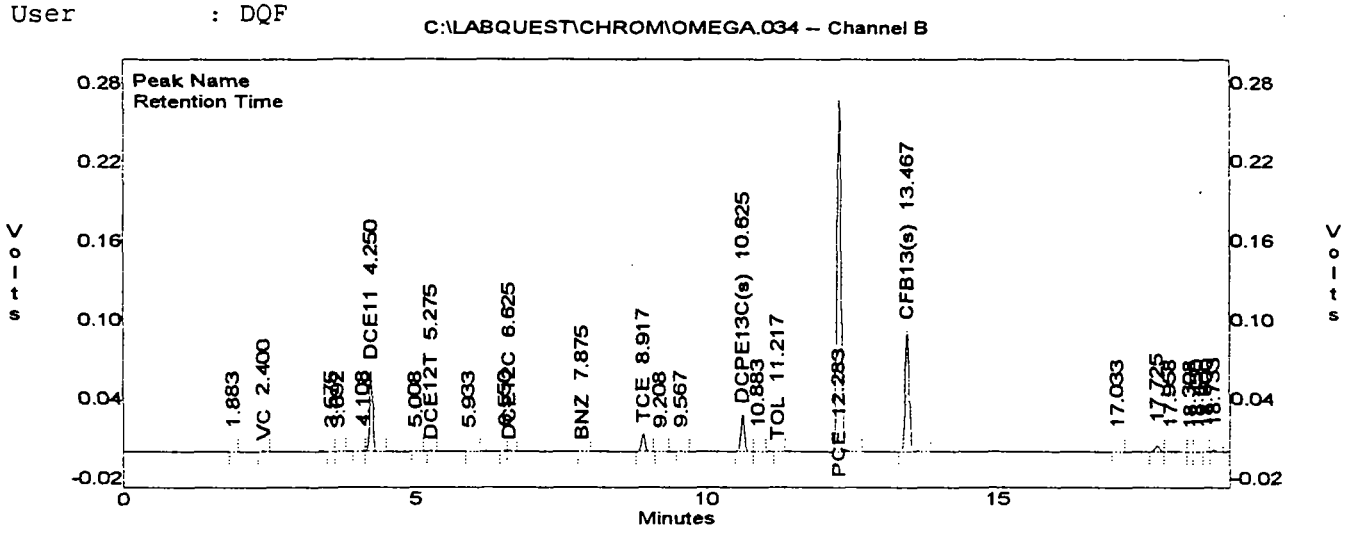
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.650	1048	0.000		0
--	F12	1.892	0	0.000		0
--	VC	2.400	0	0.000		0
--	CLET	3.125	0	0.000		0
2	F11	3.567	565762	77.285	✓	0
3	DCE11+F113	4.317	1688371	427.225		0
--	DCM	4.925	0	0.000		0
--	DCE12T	5.283	0	0.000		0
4	DCA11	5.892	34185	5.952	✓	0
--	DCE12C	6.650	0	0.000		0
5	CLFM	7.158	34190	4.746	✓	0
6	TCA111	7.358	1504721	237.878	✓	0
--	CBTC	7.592	0	0.000		0
--	DCA12	7.958	0	0.000		0
7	TCE	8.967	75674	15.220	✓	0
8	DCPE13C(s)	10.667	550790	700.184		0
9		11.517	1538	0.000		0
--	TCA112	12.108	0	0.000		0
10	PCE	12.325	1634680	302.015	✓	0
11	CFB13(s)	13.525	53550	393.408		0
--	PCA1112	14.383	0	0.000		0
--	PCA1122	17.358	0	0.000		0

Totals :

6144514 2163.914

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.034
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-6
Acquired : Nov 15, 1995 10:14:34
Printed : Nov 15, 1995 10:34:02
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.883	551	0.000	0
2	VC	2.400	4545	6.140	0
3		3.575	608	0.000	0
4		3.692	1136	0.000	0
5		4.108	982	0.000	0
6	DCE11	4.250	220588	129.814	0
7		5.008	908	0.000	0
8	DCE12T	5.275	1451	0.381	0
9		5.933	499	0.000	0
10		6.550	2026	0.000	0
11	DCE12C	6.625	1510	0.747	0
12	BNZ	7.875	1531	0.360	0
13	TCE	8.917	55458	23.094	0
14		9.208	954	0.000	0
15		9.567	1792	0.000	0
16	DCPE13C(s)	10.625	118742	938.207	0
17		10.883	1005	0.000	0
18	TOL	11.217	366	0.094	0
19	PCE	12.283	1330456	684.374	0
20	CFB13(s)	13.467	433507	950.627	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
21		17.033	862	0.000	0
22		17.725	25317	0.000	0
23		17.958	4415	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.034
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-6
Acquired : Nov 15, 1995 10:14:34
Printed : Nov 15, 1995 10:34:04
User : DQF

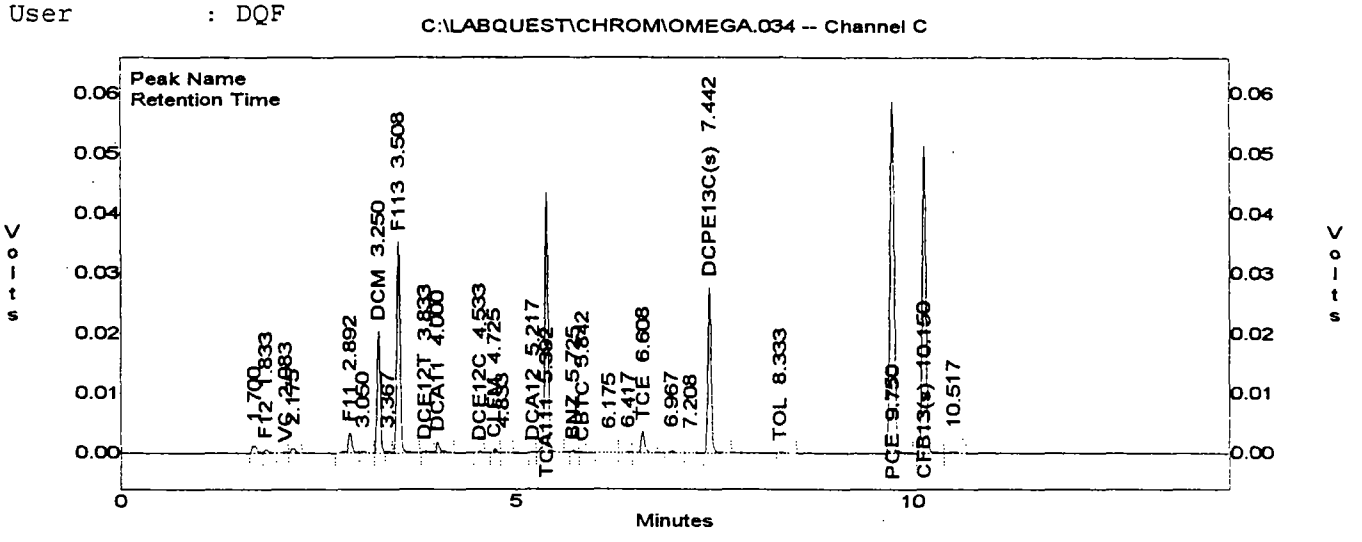
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24		18.308	636	0.000	0
25		18.450	1491	0.000	0
26		18.600	558	0.000	0
27		18.733	4787	0.000	0

Totals :

2216691	2733.839	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.034
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-6
Acquired : Nov 15, 1995 10:14:34
Printed : Nov 15, 1995 10:34:07
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.700	6109	0.000		0
2	F12	1.833	2270	26.032		0
3	VC	2.083	600	0.962		0
4		2.175	3194	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.892	12175	127.730		0
6		3.050	1170	0.000		0
--	11DCE	3.200	0	0.000		0
7	DCM	3.250	58327	136.548		0
8		3.367	1123	0.000		0
9	F113	3.508	107290	555.585		0
10	DCE12T	3.833	1607	4.052		0
11	DCA11	4.000	6064	14.843		0
12	DCE12C	4.533	471	1.165		0
13	CLFM	4.725	1657	10.571		0
14		4.833	483	0.000		0
15	DCA12	5.217	496	1.230		0
16	TCA111	5.392	123040	396.918		0
17	BNZ	5.725	893	0.589		0
18	CBTC	5.842	217	1.670		0
19		6.175	350	0.000		0
20		6.417	621	0.000		0
21	TCE	6.608	12128	39.226		0
22		6.967	1318	0.000		0
23		7.208	259	0.000		0
24	DCPE13C(s)	7.442	78884	1119.157		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.034
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-6
Acquired : Nov 15, 1995 10:14:34
Printed : Nov 15, 1995 10:34:08
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	TCA112	8.108	0	0.000	0
25	TOL	8.333	916	0.612	0
26	PCE	9.750	193469	787.610	0
27	CFB13(s)	10.150	166917	1077.842	0
28		10.517	1567	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	783626	4302.342

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG6 - 12'	Probe Depth (ft): 12'
Time Sampled: 10:15	Sampled by: WM
Date Sampled: 11.15.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F):	Wind dir/speed: CALM

Sample Parameters

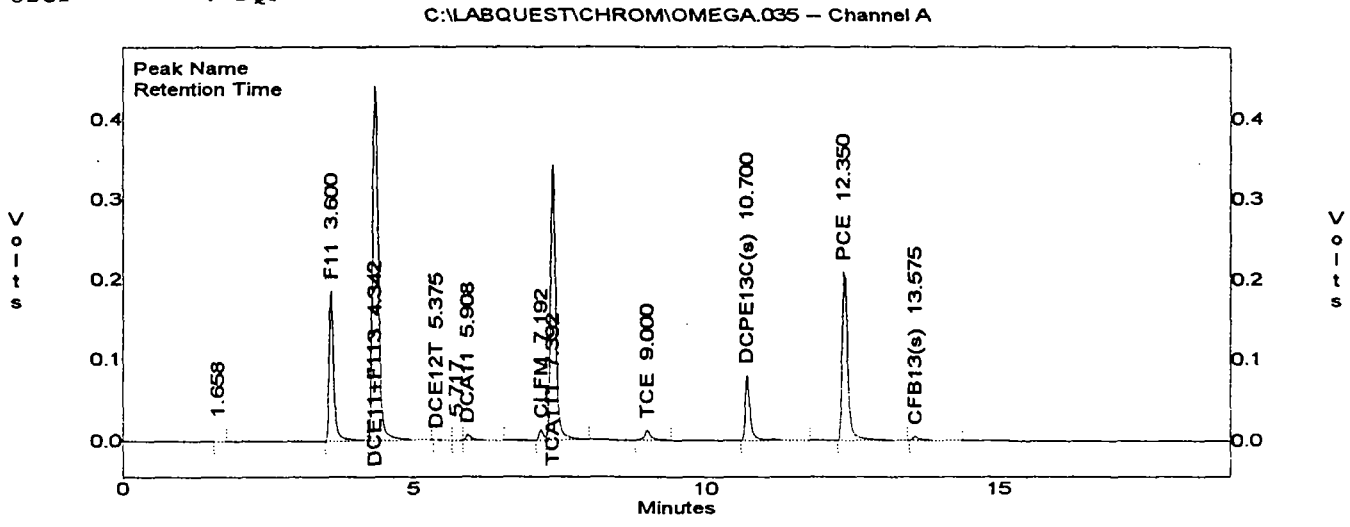
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 14
Purge Volume (liters): .75	Equilibrium Time: :01
Purge Time (min.): :03	Sample Volume (ml): 20ml
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DBF	Volume Analyzed: 1mL
Recd. Date: 11/15/95 Time: 10:18	Time Injected: 10:32 Loop #: 1

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	290	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	140		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	9.3				
c-12DCE	<1				
Chloroforme	9.9		Freon 113	1300	
111TCA	340				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	19				
112TCA	<1		% Surr. 1, ELCD	62	
PCE	260		% Surr. 2, ELCD	30	
1112PCA	<1		% Surr. 1, PID	95	
1122PCA	↓		% Surr. 2, PID	96	
			% Surr. 1, FID	115	
			% Surr. 2, FID	109	

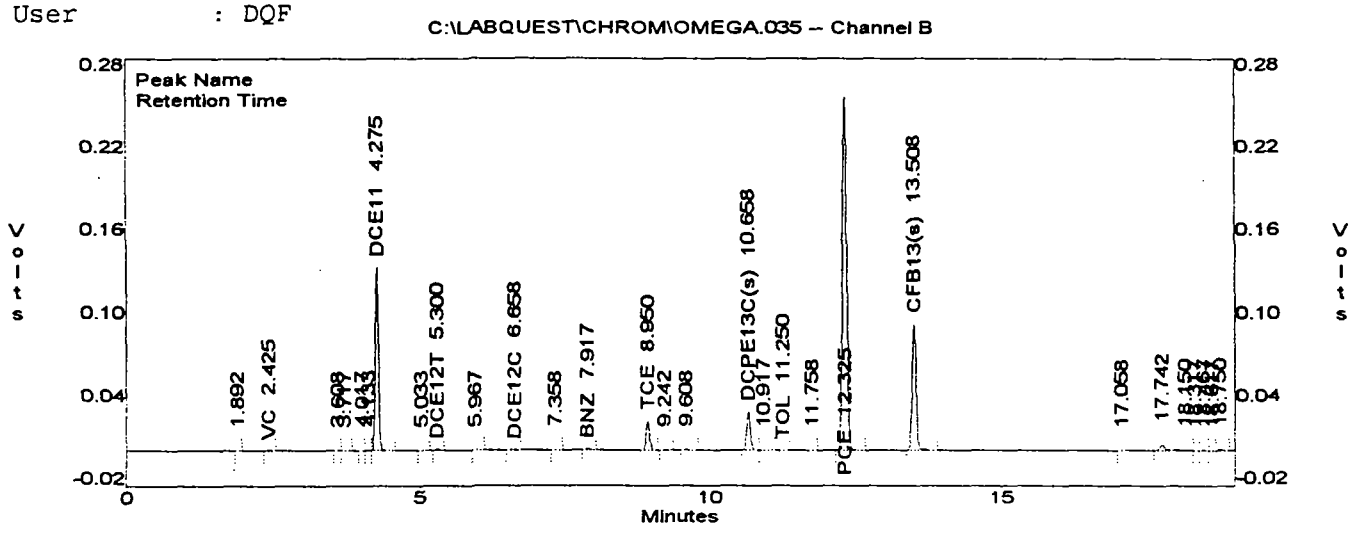
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.035
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-12
Acquired : Nov 15, 1995 10:34:56
Printed : Nov 15, 1995 10:54:22
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	752	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.600	1030022	140.705	0
3	DCE11+F113	4.342	3038335	768.820	0
--	DCM	4.925	0	0.000	0
4	DCE12T	5.375	970	0.209	0
5		5.717	534	0.000	0
6	DCA11	5.908	53389	9.296	0
--	DCE12C	6.650	0	0.000	0
7	CLFM	7.192	71187	9.882	0
8	TCA111	7.392	2147834	339.547	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
9	TCE	9.000	95824	19.272	0
10	DCPE13C(s)	10.700	490734	623.839	0
--	TCA112	12.108	0	0.000	0
11	PCE	12.350	1385126	255.908	0
12	CFB13(s)	13.575	40601	298.278	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			8355312	2465.755	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.035
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-12
Acquired : Nov 15, 1995 10:34:56
Printed : Nov 15, 1995 10:54:27
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.892	687	0.000	0
2	VC	2.425	4643	6.272	0
3		3.608	816	0.000	0
4		3.717	1230	0.000	0
5		4.017	430	0.000	0
6		4.133	1127	0.000	0
7	DCE11	4.275	490764	288.809	0
8		5.033	678	0.000	0
9	DCE12T	5.300	3108	0.816	0
10		5.967	619	0.000	0
11	DCE12C	6.658	2282	1.129	0
12		7.358	372	0.000	0
13	BNZ	7.917	3836	0.903	0
14	TCE	8.950	89420	37.236	0
15		9.242	1717	0.000	0
16		9.608	1750	0.000	0
17	DCPE13C(s)	10.658	119695	945.741	0
18		10.917	1236	0.000	0
19	TOL	11.250	431	0.110	0
20		11.758	324	0.000	0
21	PCE	12.325	1275923	656.323	0
22	CFB13(s)	13.508	436137	956.396	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
23		17.058	478	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.035
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-12
Acquired : Nov 15, 1995 10:34:56
Printed : Nov 15, 1995 10:54:29
User : DQF

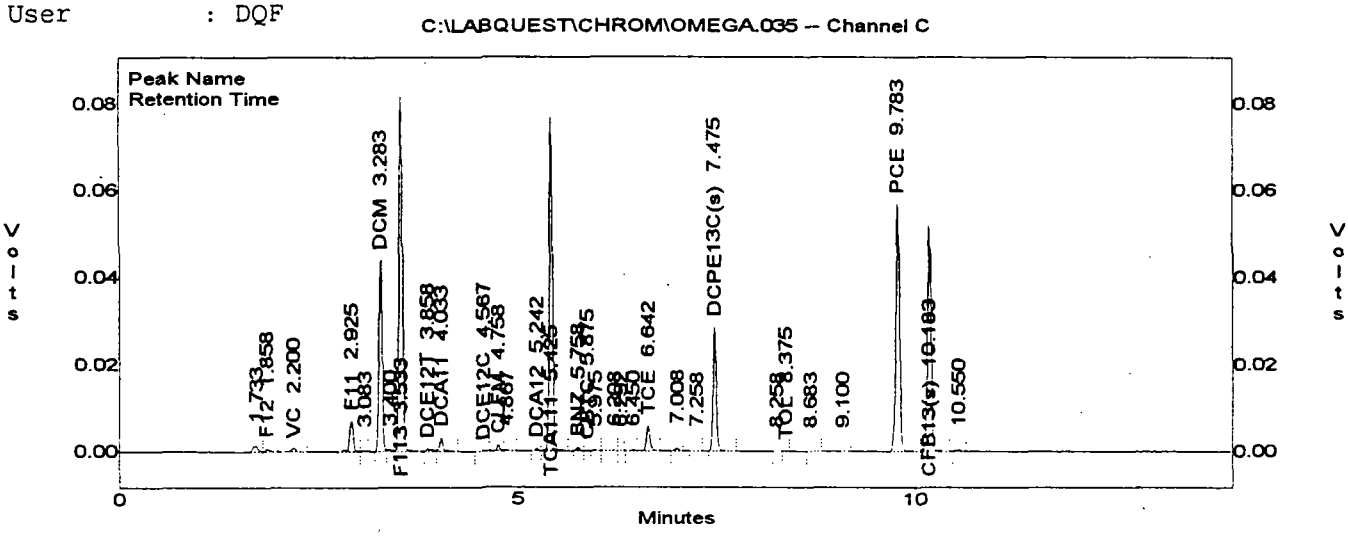
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24		17.742	24613	0.000	0
25		18.150	4686	0.000	0
26		18.317	684	0.000	0
27		18.467	1096	0.000	0
28		18.617	392	0.000	0
29		18.750	3439	0.000	0

Totals :

	2472623	2893.735

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.035
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-12
Acquired : Nov 15, 1995 10:34:56
Printed : Nov 15, 1995 10:54:32
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.733	7123	0.000	0
2	F12	1.858	2778	31.858	0
3	VC	2.200	4176	6.685	0
--	CLET	2.383	0	0.000	0
4	F11	2.925	24396	255.936	0
5		3.083	662	0.000	0
--	11DCE	3.200	0	0.000	0
6	DCM	3.283	127638	298.809	0
7		3.400	1552	0.000	0
8	F113	3.533	244616	1266.700	0
9	DCE12T	3.858	2482	6.258	0
10	DCA11	4.033	9877	24.175	0
11	DCE12C	4.567	634	1.566	0
12	CLFM	4.758	3343	21.329	0
13		4.867	639	0.000	0
14	DCA12	5.242	1512	3.747	0
15	TCA111	5.425	214661	692.483	0
16	BNZ	5.758	2251	1.483	0
17	CBTC	5.875	237	1.825	0
18		5.975	431	0.000	0
19		6.208	463	0.000	0
20		6.292	210	0.000	0
21		6.450	647	0.000	0
22	TCE	6.642	18452	59.679	0
23		7.008	2255	0.000	0
24		7.258	268	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.035
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG6-12
Acquired : Nov 15, 1995 10:34:56
Printed : Nov 15, 1995 10:54:33
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
25	DCPE13C(s)	7.475	81358	1154.267	0
--	TCA112	8.108	0	0.000	0
26		8.258	288	0.000	0
27	TOL	8.375	498	0.333	0
28		8.683	286	0.000	0
29		9.100	202	0.000	0
30	PCE	9.783	186434	758.971	0
31	CFB13(s)	10.183	168574	1088.541	0
32		10.550	1000	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	1109955	5674.645

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: S65-6	Probe Depth (ft): 6'
Time Sampled: 10:35	Sampled by: WM
Date Sampled: 11·15·95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 59.5°F	Wind dir/speed: SW 0-5 mph

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 15
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 200 mL
Notes:	Syringe ID: A B

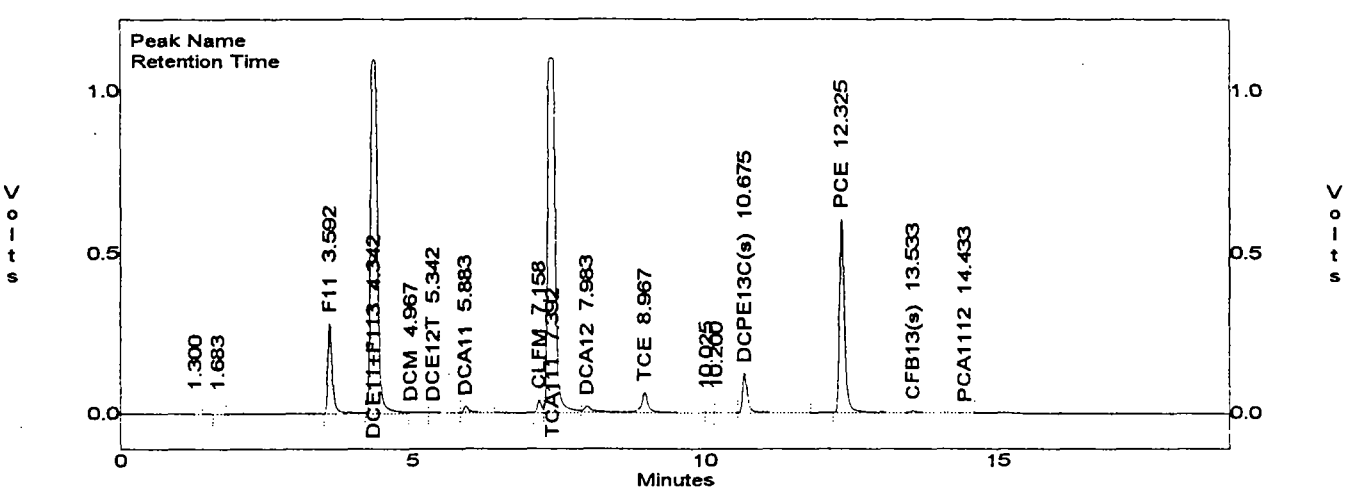
Analytical Summary

Chemist: DOF	Volume Analyzed: 1 mL
Recd. Date: 11/15/95 Time: 10:36	Time Injected: 10:57 Loop #: 1M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	320
Vinyl Chloride	↓	Benzene	1.4
Chloroethane	↓	Toluene	<1
Freon 11	210	Ethylbenzene	<1
Dichloromethane	<1	m/p-Xylene	1.1
t-12DCE	11	o-Xylene	<1
11DCA	26		
c-12DCE	<1		
Chloroforme	28	Freon 113	3700
111TCA	1600		
Carbon Tetrachloride	<1		
12DCA	79		
TCE	120		
112TCA	<1	% Surr. 1, ELCD	100
PCE	690	% Surr. 2, ELCD	59
1112PCA	<1	% Surr. 1, PID	94
1122PCA	<1	% Surr. 2, PID	95
		% Surr. 1, FID	142 *
		% Surr. 2, FID	107

* Matrix interference

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.036
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-6
Acquired : Nov 15, 1995 10:59:16
Printed : Nov 15, 1995 11:18:44
User : DQF



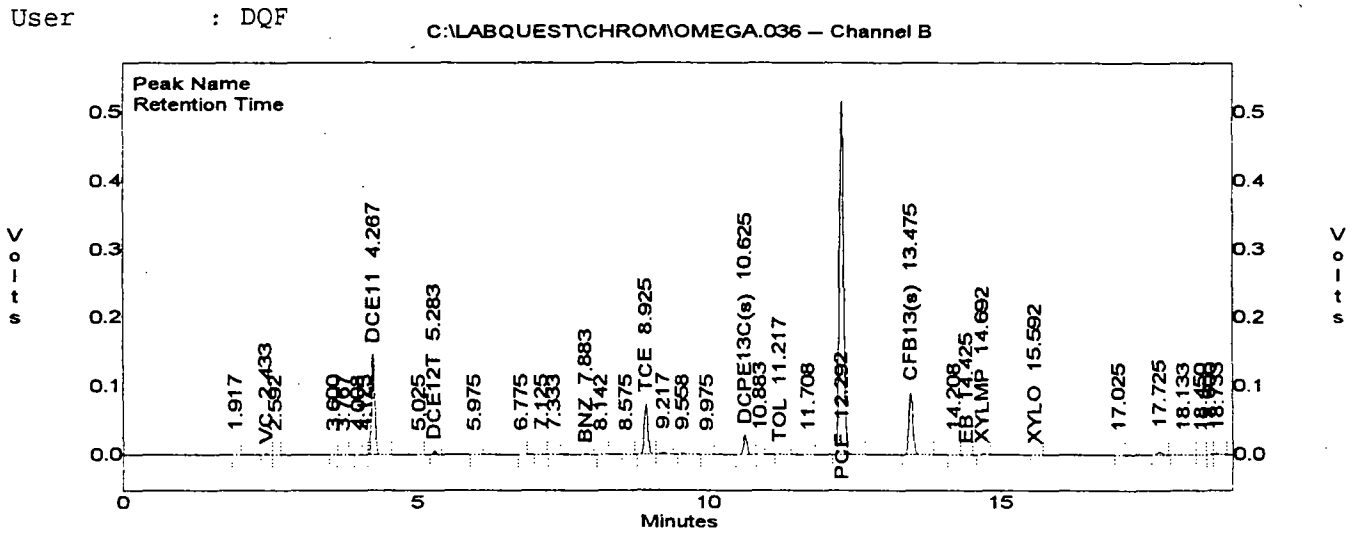
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.300	955	0.000		0
2		1.683	1419	0.000		0
--	F12	1.892	0	0.000		0
--	VC	2.400	0	0.000		0
--	CLET	3.125	0	0.000	✓	0
3	F11	3.592	1556379	212.607	✓	0
4	DCE11+F113	4.342	8978230	2271.849		0
5	DCM	4.967	56941	15.938	✗	0
6	DCE12T	5.342	50585	10.872	✓	0
7	DCA11	5.883	147979	25.766	✓	0
--	DCE12C	6.650	0	0.000		0
8	CLFM	7.158	200463	27.827	✓	0
9	TCA111	7.392	10271312	1623.770	✓	0
--	CBTC	7.592	0	0.000		0
10	DCA12	7.983	295299	78.537	✓	0
11	TCE	8.967	589579	118.578	✓	0
12		10.025	5446	0.000		0
13		10.200	7538	0.000		0
14	DCPE13C(s)	10.675	783768	996.354		0
--	TCA112	12.108	0	0.000		0
15	PCE	12.325	3712367	685.877	✓	0
16	CFB13(s)	13.533	80468	591.161		0
17	PCA1112	14.433	1922	0.306		0
--	PCA1122	17.358	0	0.000		0

Totals :

	26740654	6659.443

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.036
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-6
Acquired : Nov 15, 1995 10:59:16
Printed : Nov 15, 1995 11:18:49
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.917	1289	0.000	0
2	VC	2.433	5485	7.410	0
3		2.592	419	0.000	0
4		3.600	1577	0.000	0
5		3.767	2111	0.000	0
6		4.008	1175	0.000	0
7		4.125	1103	0.000	0
8	DCE11	4.267	536726	315.857	0
9		5.025	304	0.000	0
10	DCE12T	5.283	18019	4.731	0
11		5.975	945	0.000	0
--	DCE12C	6.608	0	0.000	0
12		6.775	638	0.000	0
13		7.125	610	0.000	0
14		7.333	1857	0.000	0
15	BNZ	7.883	5958	1.403	0
16		8.142	986	0.000	0
17		8.575	726	0.000	0
18	TCE	8.925	314269	130.868	0
19		9.217	11864	0.000	0
20		9.558	5367	0.000	0
21		9.975	1153	0.000	0
22	DCPE13C(s)	10.625	119142	941.367	0
23		10.883	355	0.000	0
24	TOL	11.217	2890	0.739	0
25		11.708	710	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.036
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-6
Acquired : Nov 15, 1995 10:59:16
Printed : Nov 15, 1995 11:18:51
User : DQF

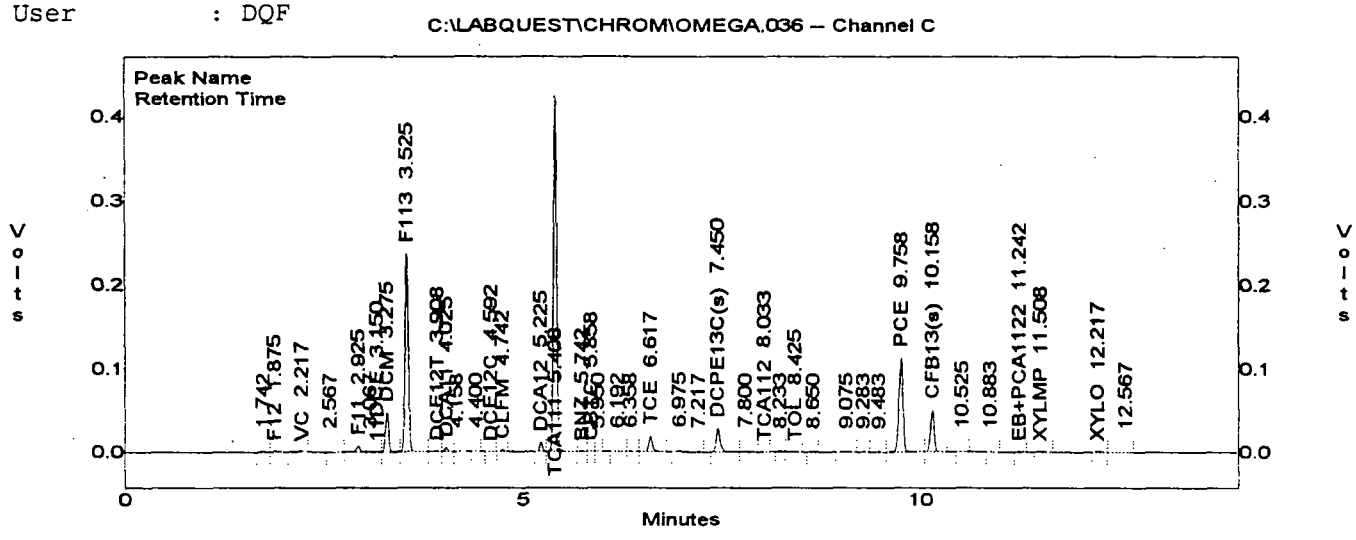
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
26	PCE	12.292	2567640	1320.770	0
27	CFB13(s)	13.475	433054	949.634	0
28		14.208	433	0.000	0
29	EB	14.425	1008	0.295	0
30	XYLMP	14.692	4545	1.114	0
31	XYLO	15.592	1099	0.325	0
32		17.025	509	0.000	0
33		17.725	24531	0.000	0
34		18.133	2416	0.000	0
35		18.450	1030	0.000	0
36		18.600	315	0.000	0
37		18.733	3159	0.000	0

Totals :

	4075430	3674.513

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.036
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-6
Acquired : Nov 15, 1995 10:59:16
Printed : Nov 15, 1995 11:18:54
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.742	6580	0.000		0
2	F12	1.875	3398	38.959		0
3	VC	2.217	4564	7.306		0
--	CLET	2.383	0	0.000		0
4		2.567	410	0.000		0
5	F11	2.925	26049	273.278		0
6		3.067	1791	0.000		0
7	11DCE	3.150	1243	3.377		0
8	DCM	3.275	140981	330.044		0
9	F113	3.525	713711	3695.813	✓	0
10	DCE12T	3.908	6421	16.189		0
11	DCA11	4.025	16857	41.258		0
12		4.158	1450	0.000		0
13		4.400	915	0.000		0
14	DCE12C	4.592	1081	2.671		0
15	CLFM	4.742	6865	43.800		0
16	DCA12	5.225	30313	75.101		0
17	TCA111	5.408	1218787	3931.721		0
18	BNZ	5.742	3733	2.459		0
19	CBTC	5.858	900	6.927		0
20		5.950	1218	0.000		0
21		6.192	4116	0.000		0
22		6.358	3030	0.000		0
23	TCE	6.617	66341	214.564		0
24		6.975	6462	0.000		0
25		7.217	452	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.036
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-6
Acquired : Nov 15, 1995 10:59:16
Printed : Nov 15, 1995 11:18:56
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	DCPE13C(s)	7.450	99887	1417.138	0
27		7.800	2267	0.000	0
28	TCA112	8.033	916	3.049	0
29		8.233	1871	0.000	0
30	TOL	8.425	2500	1.672	0
31		8.650	1007	0.000	0
32		9.075	1368	0.000	0
33		9.283	385	0.000	0
34		9.483	341	0.000	0
35	PCE	9.758	375650	1529.267	0
36	CFB13(s)	10.158	165917	1071.386	0
37		10.525	1075	0.000	0
--	PCA1112	10.633	0	0.000	0
38		10.883	245	0.000	0
39	EB+PCA1122	11.242	813	1.125	0
40	XYLMP	11.508	2505	1.700	0
41	XYLO	12.217	1033	0.610	0
42		12.567	493	0.000	0
Totals :			2925958	12709.416	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG S-12	Probe Depth (ft): 12'
Time Sampled: 11:00	Sampled by: WM
Date Sampled: 11.15.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F):	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .75	Equilibrium Time: :02
Purge Time (min.): :02	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

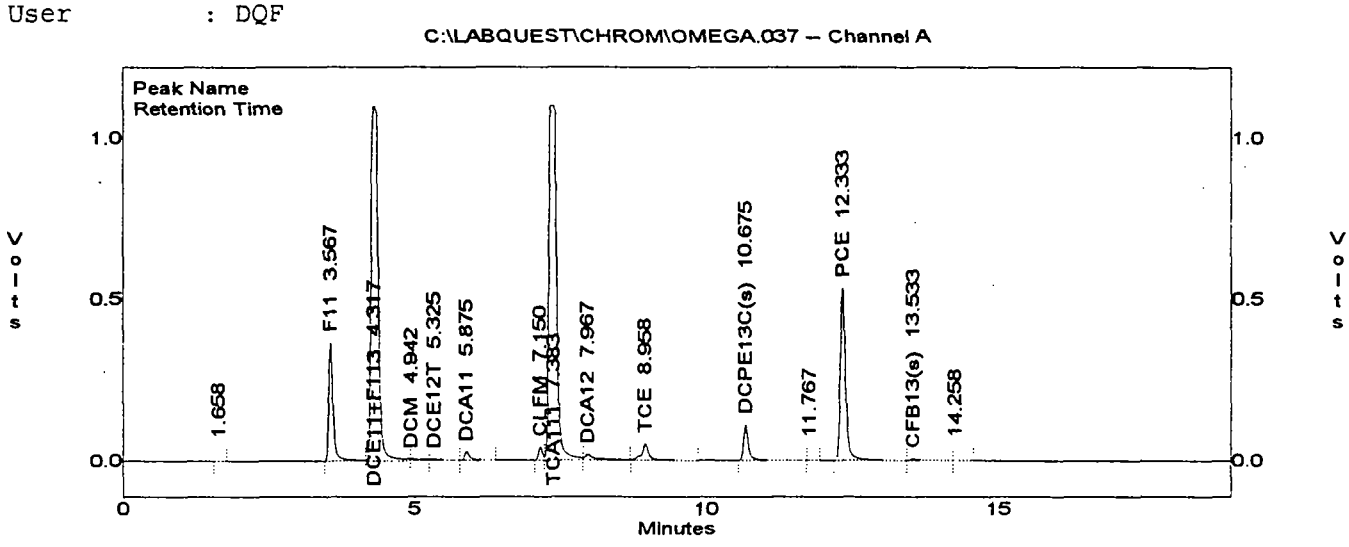
Analytical Summary

Chemist: D&F	Volume Analyzed: 1 mL
Recd. Date: 11/15/95 Time: 11:05	Time Injected: 11:20 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	410	
Vinyl Chloride	↓		Benzene	1.7	
Chloroethane	↓		Toluene	<1	
Freon 11	270		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	11		o-Xylene	↓	
11DCA	33				
c-12DCE	<1				
Chloroforme	29		Freon 113	4400	
111TCA	1600				
Carbon Tetrachloride	<1				
12DCA	69				
TCE	97				
112TCA	<1		% Surr. 1, ELCD	92	
PCE	630		% Surr. 2, ELCD	53	
1112PCA	<1		% Surr. 1, PID	96	
1122PCA	<1		% Surr. 2, PID	97	
			% Surr. 1, FID	147*	
			% Surr. 2, FID	110	

* Matrix interferance

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.037
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-12
Acquired : Nov 15, 1995 11:23:29
Printed : Nov 15, 1995 11:42:57
User : DQF



Channel A Results

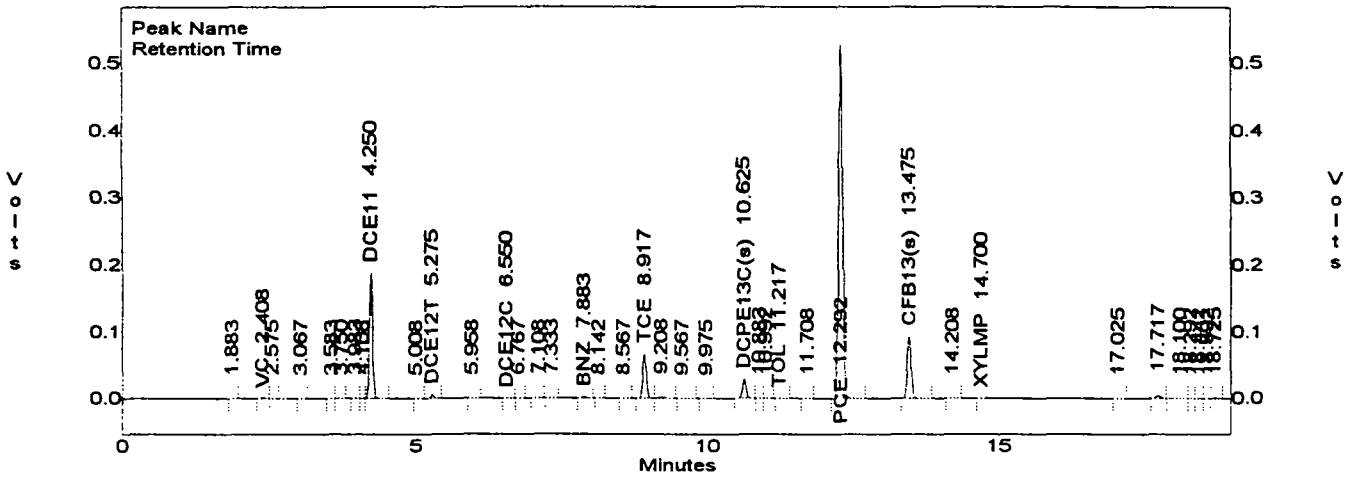
peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	905	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.567	1975970	269.924 ✓	0
3	DCE11+F113	4.317	9293954	2351.740	0
4	DCM	4.942	60200	16.850 X	0
5	DCE12T	5.325	53181	11.430 ✓	0
6	DCA11	5.875	188092	32.750 ✓	0
--	DCE12C	6.650	0	0.000	0
7	CLFM	7.150	211738	29.392 ✓	0
8	TCA111	7.383	10289736	1626.683 ✓	0
--	CBTC	7.592	0	0.000	0
9	DCA12	7.967	258119	68.649 ✓	0
10	TCE	8.958	479919	96.523 ✓	0
11	DCPE13C(s)	10.675	720236	915.590	0
12		11.767	1158	0.000	0
--	TCA112	12.108	0	0.000	0
13	PCE	12.333	3404316	628.963 ✓	0
14	CFB13(s)	13.533	72169	530.194	0
15		14.258	3254	0.000	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

27012952	6578.689	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.037
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-12
Acquired : Nov 15, 1995 11:23:29
Printed : Nov 15, 1995 11:43:02
User : DQF

C:\LABQUEST\CHROM\OMEGA.037 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.883	1306	0.000		0
2	VC	2.408	6342	8.567		0
3		2.575	553	0.000		0
4		3.067	316	0.000		0
5		3.583	1852	0.000		0
6		3.750	2369	0.000		0
7		3.983	2387	0.000		0
8		4.108	1502	0.000		0
9	DCE11	4.250	701640	412.907	✓	0
10		5.008	426	0.000		0
11	DCE12T	5.275	18422	4.836		0
12		5.958	1085	0.000		0
13	DCE12C	6.550	819	0.405		0
14		6.767	799	0.000		0
15		7.108	881	0.000		0
16		7.333	2087	0.000		0
17	BNZ	7.883	7171	1.688	✓	0
18		8.142	994	0.000		0
19		8.567	777	0.000		0
20	TCE	8.917	287688	119.799		0
21		9.208	13217	0.000		0
22		9.567	2408	0.000		0
23		9.975	1350	0.000		0
24	DCPE13C(s)	10.625	120905	955.301		0
25		10.883	535	0.000		0
26		10.992	517	0.000		0

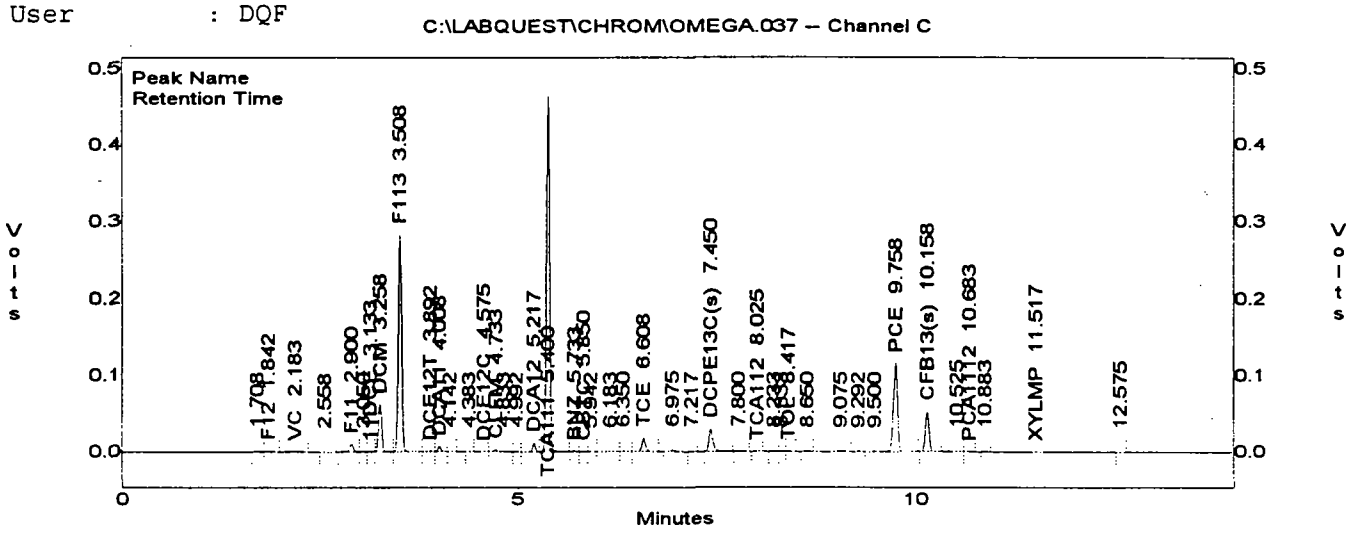
Continued...

File : C:\LABQUEST\CHROM\OMEGA.037
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-12
Acquired : Nov 15, 1995 11:23:29
Printed : Nov 15, 1995 11:43:04
User : DQF

Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27	TOL	11.217	820	0.210	0
28		11.708	772	0.000	0
29	PCE	12.292	2606053	1340.529	0
30	CFB13(s)	13.475	440740	966.489	0
31		14.208	1161	0.000	0
--	EB	14.417	0	0.000	0
32	XYLMP	14.700	509	0.125	0
--	XYLO	15.592	0	0.000	0
33		17.025	1083	0.000	0
34		17.717	25237	0.000	0
35		18.100	4368	0.000	0
36		18.292	786	0.000	0
37		18.442	1728	0.000	0
38		18.592	682	0.000	0
39		18.725	4829	0.000	0
Totals :			4267126	3810.856	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.037
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-12
Acquired : Nov 15, 1995 11:23:29
Printed : Nov 15, 1995 11:43:07
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.708	6551	0.000		0
2	F12	1.842	3708	42.514		0
3	VC	2.183	5542	8.872		0
--	CLET	2.383	0	0.000		0
4		2.558	402	0.000		0
5	F11	2.900	36239	380.176		0
6		3.050	1749	0.000		0
7	11DCE	3.133	1993	5.413		0
8	DCM	3.258	185770	434.899		0
9	F113	3.508	846130	4381.515		0
10	DCE12T	3.892	5621	14.174		0
11	DCA11	4.008	21438	52.468		0
12		4.142	1183	0.000		0
13		4.383	964	0.000		0
14	DCE12C	4.575	915	2.261		0
15	CLFM	4.733	7616	48.591		0
16		4.833	566	0.000		0
17		4.992	319	0.000		0
18	DCA12	5.217	30360	75.217		0
19	TCA111	5.400	1299460	4191.968		0
20	BNZ	5.733	4507	2.969		0
21	CBTC	5.850	1432	11.025		0
22		5.942	1504	0.000		0
23		6.183	5178	0.000		0
24		6.350	3495	0.000		0
25	TCE	6.608	62932	203.536		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.037
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG5-12
Acquired : Nov 15, 1995 11:23:29
Printed : Nov 15, 1995 11:43:09
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26		6.975	7669	0.000	0
27		7.217	348	0.000	0
28	DCPE13C(s)	7.450	103913	1474.258	0
29		7.800	2511	0.000	0
30	TCA112	8.025	1018	3.388	0
31		8.233	2197	0.000	0
32		8.333	783	0.000	0
33	TOL	8.417	631	0.422	0
34		8.650	1159	0.000	0
35		9.075	1630	0.000	0
36		9.292	358	0.000	0
37		9.500	388	0.000	0
38	PCE	9.758	381273	1552.158	0
39	CFB13(s)	10.158	169771	1096.273	0
40		10.525	938	0.000	0
41	PCA1112	10.683	267	1.108	0
42		10.883	262	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
43	XYLMP	11.517	295	0.200	0
--	XYLO	12.217	0	0.000	0
44		12.575	297	0.000	0

Totals :

3211299	13983.404	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG4-6	Probe Depth (ft): 6'
Time Sampled: 11:25	Sampled by: WM
Date Sampled: 11·15·95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 61.7°F	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 16
Purge Volume (liters): .50	Equilibrium Time: :02
Purge Time (min.): :02	Sample Volume (ml): 20ml
Notes:	Syringe ID: A B

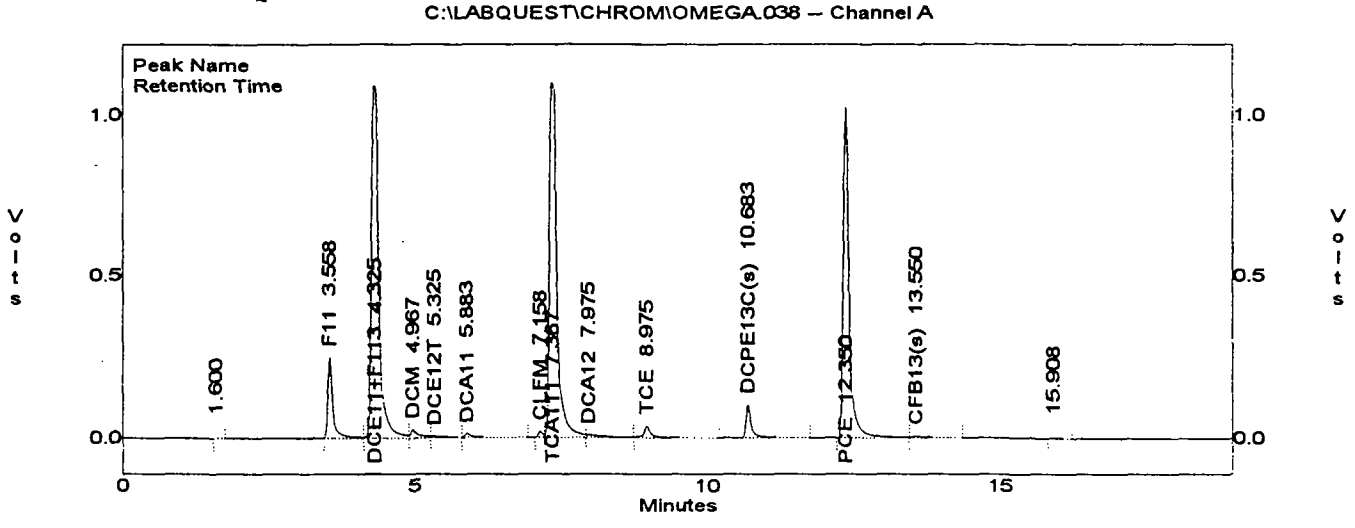
Analytical Summary

Chemist: DBF	Volume Analyzed: 1mL
Recd. Date: 11/15/95 Time: 11:26	Time Injected: 11:45 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	230
Vinyl Chloride	↓	Benzene	1.4
Chloroethane	↓	Toluene	<1
Freon 11	210	Ethylbenzene	↓
Dichloromethane	67	m/p-Xylene	↓
t-12DCE	21	o-Xylene	1.3
11DCA	26		
c-12DCE	<1		
Chloroforme	14	Freon 113	4300
111TCA	1500		
Carbon Tetrachloride	<1		
12DCA	56		
TCE	74		
112TCA	<1	% Surr. 1, ELCD	86
PCE	1300	% Surr. 2, ELCD	66
1112PCA	<1	% Surr. 1, PID	96
1122PCA	<1	% Surr. 2, PID	98
		% Surr. 1, FID	156*
		% Surr. 2, FID	110

* Matrix interferance

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.038
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-6
Acquired : Nov 15, 1995 11:47:46
Printed : Nov 15, 1995 12:07:09
User : DQF



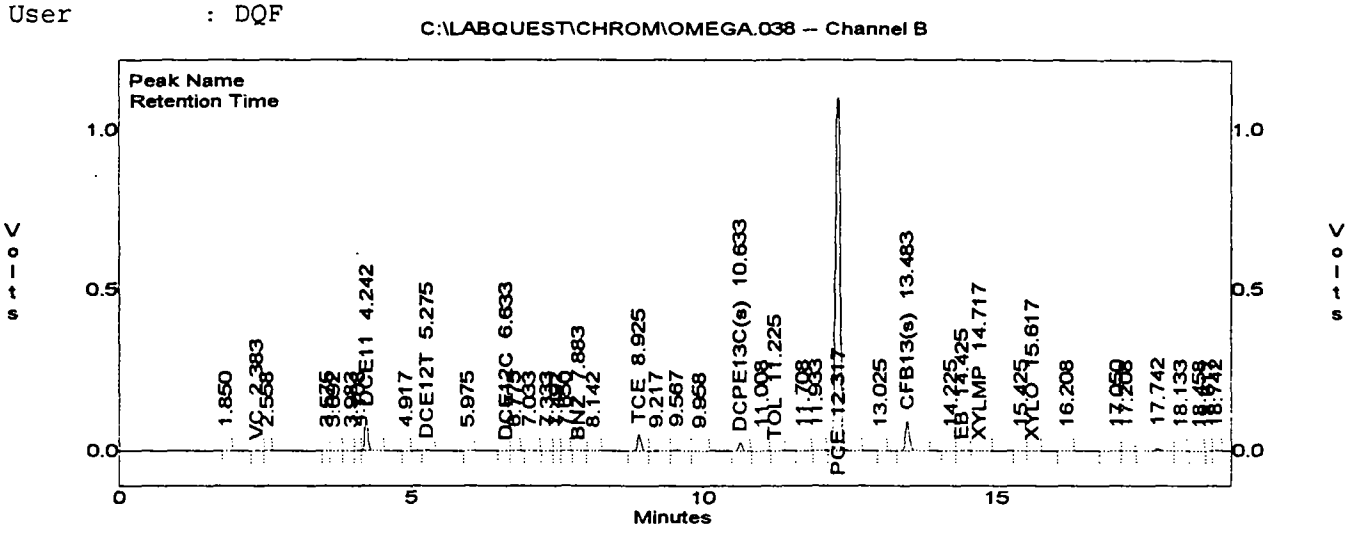
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.600	1226	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.558	1554436	212.342 ✓	0
3	DCE11+F113	4.325	9274957	2346.933	0
4	DCM	4.967	238325	66.708 ✓	0
5	DCE12T	5.325	97091	20.868 ✓	0
6	DCA11	5.883	149647	26.056 ✓	0
--	DCE12C	6.650	0	0.000	0
7	CLFM	7.158	100893	14.005 ✓	0
8	TCA111	7.367	9743068	1540.261 ✓	0
--	CBTC	7.592	0	0.000	0
9	DCA12	7.975	211333	56.206 ✓	0
10	TCE	8.975	368213	74.056 ✓	0
11	DCPE13C(s)	10.683	679051	863.233	0
--	TCA112	12.108	0	0.000	0
12	PCE	12.350	7286864	1346.281 ✓	0
13	CFB13(s)	13.550	90029	661.403	0
--	PCA1112	14.383	0	0.000	0
14		15.908	5715	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

29800852	7228.353	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.038
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-6
Acquired : Nov 15, 1995 11:47:46
Printed : Nov 15, 1995 12:07:14
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.850	2027	0.000		0
2	VC	2.383	6457	8.723		0
3		2.558	411	0.000		0
4		3.575	1142	0.000		0
5		3.692	4267	0.000		0
6		3.983	1567	0.000		0
7		4.108	8947	0.000		0
8	DCE11	4.242	387774	228.201	✓	0
9		4.917	1881	0.000		0
10	DCE12T	5.275	14711	3.862		0
11		5.975	356	0.000		0
12	DCE12C	6.633	455	0.225		0
13		6.775	791	0.000		0
14		7.033	1884	0.000		0
15		7.333	1774	0.000		0
16		7.492	448	0.000		0
17		7.650	350	0.000		0
18	BNZ	7.883	5995	1.412	✓	0
19		8.142	1736	0.000		0
20	TCE	8.925	237174	98.764		0
21		9.217	18874	0.000		0
22		9.567	17526	0.000		0
23		9.958	2423	0.000		0
24	DCPE13C(s)	10.633	121411	959.299		0
25		11.008	2711	0.000		0
26	TOL	11.225	2426	0.621		0

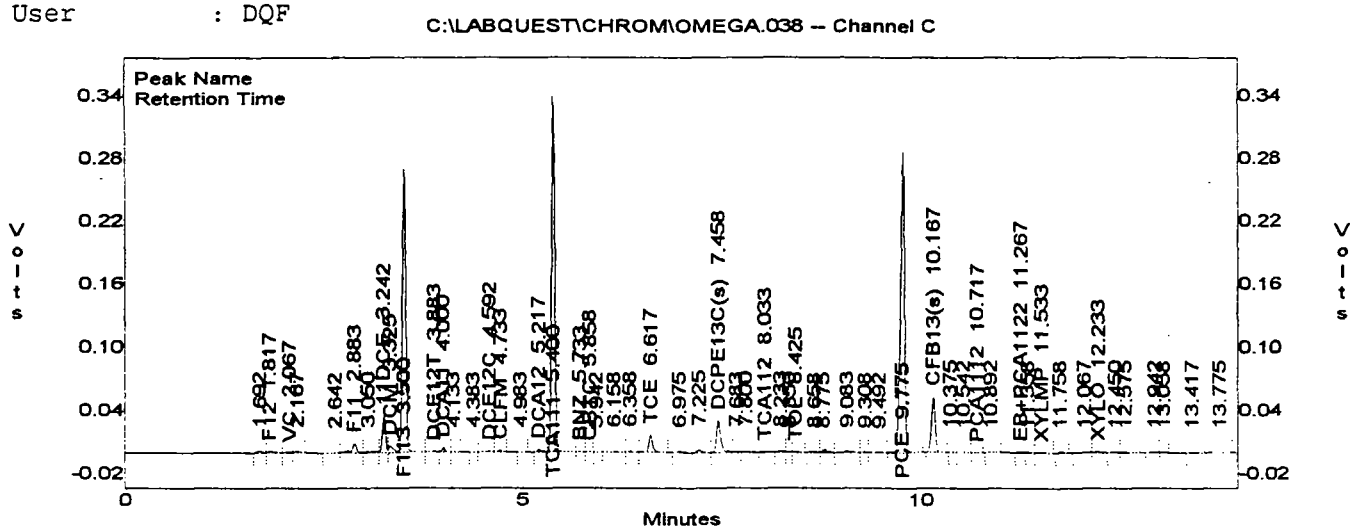
Continued...

File : C:\LABQUEST\CHROM\OMEGA.038
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-6
Acquired : Nov 15, 1995 11:47:46
Printed : Nov 15, 1995 12:07:16
User : DQF

Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		11.708	1678	0.000	0
28		11.933	533	0.000	0
29	PCE	12.317	6209347	3194.030	0
30		13.025	684	0.000	0
31	CFB13(s)	13.483	445688	977.339	0
32		14.225	1712	0.000	0
33	EB	14.425	1359	0.398	0
34	XYLMP	14.717	1422	0.349	0
35		15.425	1349	0.000	0
36	XYLO	15.617	4390	1.299 ✓	0
37		16.208	711	0.000	0
38		17.050	2156	0.000	0
39		17.208	1735	0.000	0
40		17.742	41942	0.000	0
41		18.133	2446	0.000	0
42		18.458	2960	0.000	0
43		18.617	747	0.000	0
44		18.742	6136	0.000	0
Totals :			7572531	5474.521	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.038
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-6
Acquired : Nov 15, 1995 11:47:46
Printed : Nov 15, 1995 12:07:20
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	8218	0.000	0
2	F12	1.817	4463	51.175	0
3	VC	2.067	811	1.298	0
4		2.167	4199	0.000	0
--	CLET	2.383	0	0.000	0
5		2.642	322	0.000	0
6	F11	2.883	33435	350.762	0
7		3.050	4708	0.000	0
8	11DCE	3.242	100203	272.045	0
9	DCM	3.325	22153	51.864	0
10	F113	3.500	824852	4271.334	0
11	DCE12T	3.883	4921	12.409	0
12	DCA11	4.000	11905	29.138	0
13		4.133	879	0.000	0
14		4.383	847	0.000	0
15	DCE12C	4.592	2948	7.284	0
16	CLFM	4.733	4937	31.501	0
17		4.983	1539	0.000	0
18	DCA12	5.217	10357	25.661	0
19	TCA111	5.400	964353	3110.934	0
20	BNZ	5.733	2089	1.376	0
21	CBTC	5.858	503	3.878	0
22		5.942	830	0.000	0
23		6.158	4192	0.000	0
24		6.358	4121	0.000	0
25	TCE	6.617	58827	190.260	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.038
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-6
Acquired : Nov 15, 1995 11:47:46
Printed : Nov 15, 1995 12:07:22
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26		6.975	4132	0.000	0
27		7.225	7320	0.000	0
28	DCPE13C(s)	7.458	110102	1562.066	0
29		7.683	2034	0.000	0
30		7.800	4106	0.000	0
31	TCA112	8.033	3411	11.349	0
32		8.233	4044	0.000	0
33		8.350	913	0.000	0
34	TOL	8.425	1669	1.116	0
35		8.658	1403	0.000	0
36		8.775	1418	0.000	0
37		9.083	5228	0.000	0
38		9.308	495	0.000	0
39		9.492	1180	0.000	0
40	PCE	9.775	978968	3985.370	0
41	CFB13(s)	10.167	170901	1103.567	0
42		10.375	256	0.000	0
43		10.542	1640	0.000	0
44	PCA1112	10.717	1940	8.040	0
45		10.892	1876	0.000	0
46	EB+PCA1122	11.267	1126	1.558	0
47		11.358	990	0.000	0
48	XYLMP	11.533	759	0.516	0
49		11.758	562	0.000	0
50		12.067	1553	0.000	0
51	XYLO	12.233	3857	2.277 ✓	0
52		12.450	1506	0.000	0
53		12.575	1194	0.000	0
54		12.942	748	0.000	0
55		13.058	788	0.000	0
56		13.417	950	0.000	0
57		13.775	1047	0.000	0

Totals :

3394755 15086.777

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB4 - 12	Probe Depth (ft): 12'
Time Sampled: 11:43	Sampled by: WM
Date Sampled: 11-15-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 62.4°F	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .75	Equilibrium Time: :04
Purge Time (min.): :03	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

Analytical Summary

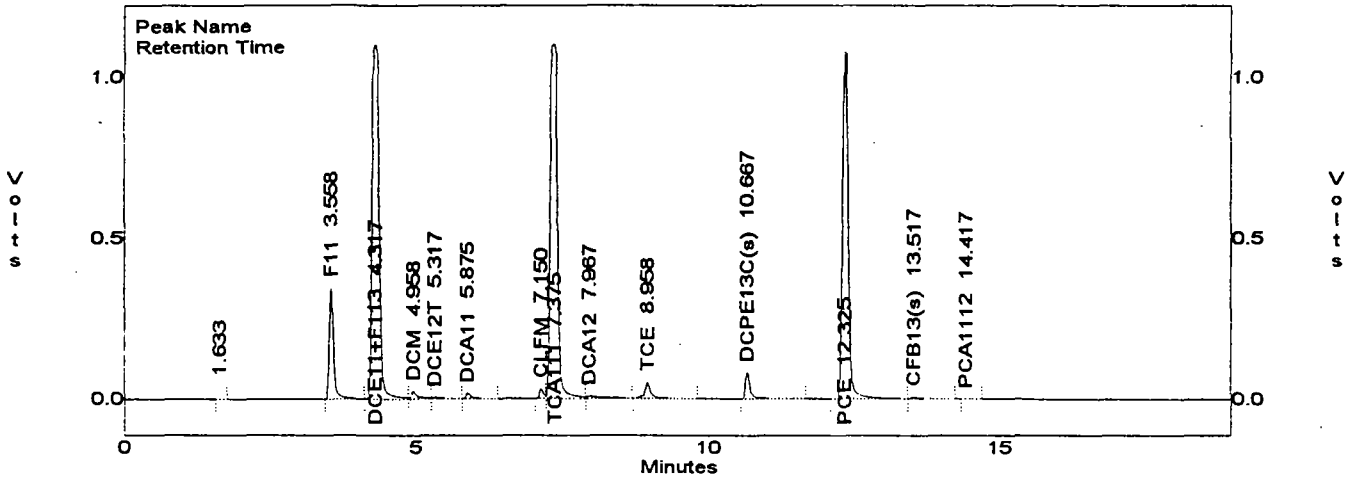
Chemist: DYF	Volume Analyzed: 1mL
Recd. Date: 11/15/95 Time: 11:45	Time Injected: 12:08 Loop #: #1

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	330	
Vinyl Chloride	↓		Benzene	1.6	
Chloroethane	↓		Toluene	1.3	
Freon 11	260		Ethylbenzene	1.6	
Dichloromethane	50		m/p-Xylene	2.1	
t-12DCE	13		o-Xylene	4.9	
11DCA	21				
c-12DCE	<1				
Chloroforme	22		Freon 113	6500	
111TCA	1500				
Carbon Tetrachloride	<1				
12DCA	29				
TCE	71				
112TCA	<1		% Surr. 1, ELCD	66	
PCE	1400		% Surr. 2, ELCD	51	
1112PCA	<1		% Surr. 1, PID	95	
1122PCA	<1		% Surr. 2, PID	96	
			% Surr. 1, FID	174*	
			% Surr. 2, FID	108	

* Matrix interferance

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.039
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-12
Acquired : Nov 15, 1995 12:12:09
Printed : Nov 15, 1995 12:31:32
User : DQF

C:\LABQUEST\CHROM\OMEGA.039 -- Channel A



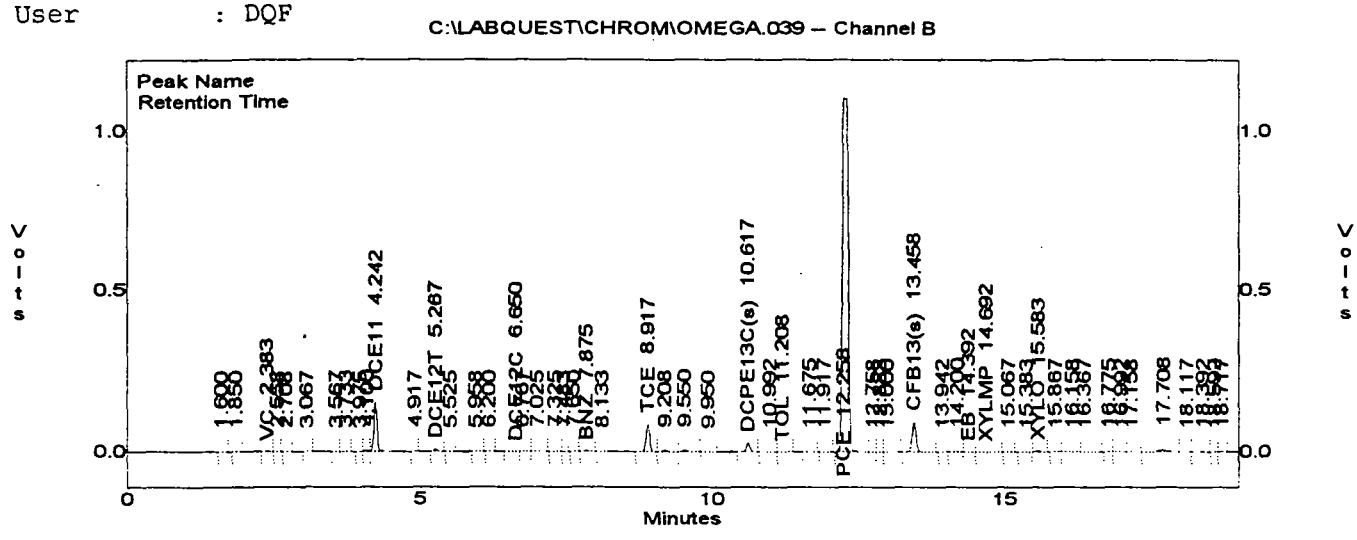
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	926	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.558	1875071	256.141	0
3	DCE11+F113	4.317	9185362	2324.262	0
4	DCM	4.958	180087	50.407	0
5	DCE12T	5.317	62286	13.387	0
6	DCA11	5.875	122554	21.339	0
--	DCE12C	6.650	0	0.000	0
7	CLFM	7.150	157024	21.797	0
8	TCA111	7.375	9522999	1505.471	0
--	CBTC	7.592	0	0.000	0
9	DCA12	7.967	108414	28.834	0
10	TCE	8.958	354468	71.292	0
11	DCPE13C(s)	10.667	522919	664.753	0
--	TCA112	12.108	0	0.000	0
12	PCE	12.325	7518023	1388.989	0
13	CFB13(s)	13.517	69885	513.410	0
14	PCA1112	14.417	2350	0.374	0
--	PCA1122	17.358	0	0.000	0

Totals :

29682372	6860.457	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.039
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-12
Acquired : Nov 15, 1995 12:12:09
Printed : Nov 15, 1995 12:31:37
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.600	382	0.000	0
2		1.850	4007	0.000	0
3	VC	2.383	8051	10.876	0
4		2.558	705	0.000	0
5		2.708	1000	0.000	0
6		3.067	592	0.000	0
7		3.567	1564	0.000	0
8		3.733	6783	0.000	0
9		3.975	2632	0.000	0
10		4.100	10478	0.000	0
11	DCE11	4.242	568228	334.396 ✓	0
12		4.917	2318	0.000	0
13	DCE12T	5.267	26671	7.002	0
14		5.525	376	0.000	0
15		5.958	699	0.000	0
16		6.200	443	0.000	0
17	DCE12C	6.650	1341	0.664	0
18		6.767	1173	0.000	0
19		7.025	4023	0.000	0
20		7.325	3043	0.000	0
21		7.483	352	0.000	0
22		7.650	455	0.000	0
23	BNZ	7.875	6725	1.583 ✓	0
24		8.133	1418	0.000	0
25	TCE	8.917	369433	153.839	0
26		9.208	26555	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.039
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-12
Acquired : Nov 15, 1995 12:12:09
Printed : Nov 15, 1995 12:31:39
User : DQF

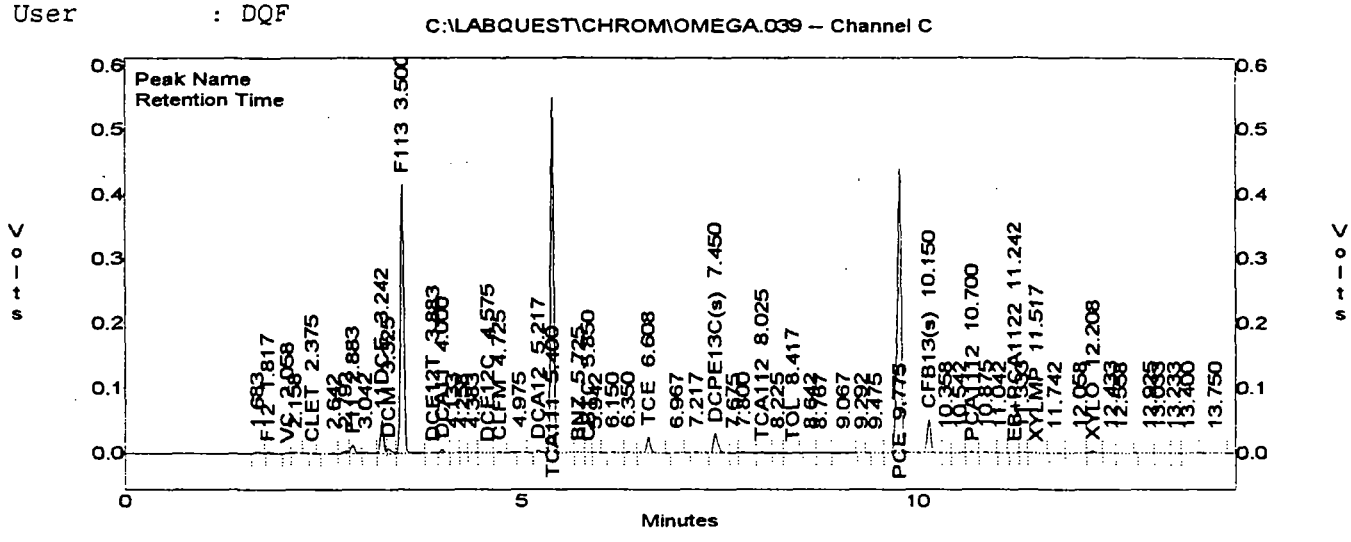
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		9.550	19755	0.000	0
28		9.950	3190	0.000	0
29	DCPE13C(s)	10.617	119847	946.937	0
30		10.992	4690	0.000	0
31	TOL	11.208	4908	1.255	0
32		11.675	3242	0.000	0
33		11.917	1118	0.000	0
34	PCE	12.258	7550974	3884.151	0
35		12.758	3551	0.000	0
36		12.883	3312	0.000	0
37		13.000	5835	0.000	0
38	CFB13(s)	13.458	439939	964.732	0
39		13.942	360	0.000	0
40		14.200	8902	0.000	0
41	EB	14.392	5295	1.550	0
42	XYLMP	14.692	8581	2.103	0
43		15.067	704	0.000	0
44		15.383	4902	0.000	0
45	XYLO	15.583	16485	4.876	0
46		15.867	1212	0.000	0
47		16.158	4803	0.000	0
48		16.367	3217	0.000	0
49		16.775	1178	0.000	0
50		16.992	3632	0.000	0
51		17.158	4956	0.000	0
52		17.708	55573	0.000	0
53		18.117	5334	0.000	0
54		18.392	5647	0.000	0
55		18.592	588	0.000	0
56		18.717	3942	0.000	0

Totals :

9345146	6313.966	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.039
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-12
Acquired : Nov 15, 1995 12:12:09
Printed : Nov 15, 1995 12:31:43
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.683	14205	0.000		0
2	F12	1.817	7406	84.907		0
3	VC	2.058	1064	1.704		0
4		2.158	5503	0.000		0
5	CLET	2.375	477	0.815		0
6		2.642	686	0.000		0
7		2.792	10828	0.000		0
8	F11	2.883	43152	452.697		0
9		3.042	6423	0.000		0
10	11DCE	3.242	148097	402.074		0
11	DCM	3.325	26471	61.971		0
12	F113	3.500	1252698	6486.849	V	0
13	DCE12T	3.883	7419	18.707		0
14	DCA11	4.000	18425	45.094		0
15		4.133	2281	0.000		0
16		4.258	586	0.000		0
17		4.383	1557	0.000		0
18	DCE12C	4.575	2541	6.280		0
19	CLFM	4.725	8102	51.692		0
20		4.975	3224	0.000		0
21	DCA12	5.217	17089	42.337		0
22	TCA111	5.400	1547577	4992.375		0
23	BNZ	5.725	3251	2.142		0
24	CBTC	5.850	764	5.887		0
25		5.942	1566	0.000		0
26		6.150	6883	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.039
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-12
Acquired : Nov 15, 1995 12:12:09
Printed : Nov 15, 1995 12:31:45
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27		6.350	6647	0.000	0
28	TCE	6.608	86240	278.921	0
29		6.967	6347	0.000	0
30		7.217	5035	0.000	0
31	DCPE13C(s)	7.450	122335	1735.615	0
32		7.675	1369	0.000	0
33		7.800	6221	0.000	0
34	TCA112	8.025	4983	16.577	0
35		8.225	6474	0.000	0
36	TOL	8.417	4166	2.786	0
37		8.642	2498	0.000	0
38		8.767	2548	0.000	0
39		9.067	9656	0.000	0
40		9.292	654	0.000	0
41		9.475	1534	0.000	0
42	PCE	9.775	1510497	6149.217	0
43	CFB13(s)	10.150	167320	1080.447	0
44		10.358	419	0.000	0
45		10.542	2672	0.000	0
46	PCA1112	10.700	6038	25.022	0
47		10.875	6912	0.000	0
48		11.042	986	0.000	0
49	EB+PCA1122	11.242	2826	3.908	0
50		11.333	2985	0.000	0
51	XYLMP	11.517	2592	1.759	0
52		11.742	1878	0.000	0
53		12.058	5176	0.000	0
54	XYLO	12.208	14068	8.303	0
55		12.433	5459	0.000	0
56		12.558	4421	0.000	0
57		12.925	3463	0.000	0
58		13.033	4074	0.000	0
59		13.233	440	0.000	0
60		13.400	3542	0.000	0
61		13.750	4166	0.000	0

Totals :

5154942 21958.088

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB25-6	Probe Depth (ft): 6'
Time Sampled: 12:00	Sampled by: WM
Date Sampled: 11-15-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: concrete
Air Temp. (F): 62.6°F	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 24
Purge Volume (liters): .50	Equilibrium Time: :12
Purge Time (min.): :04	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

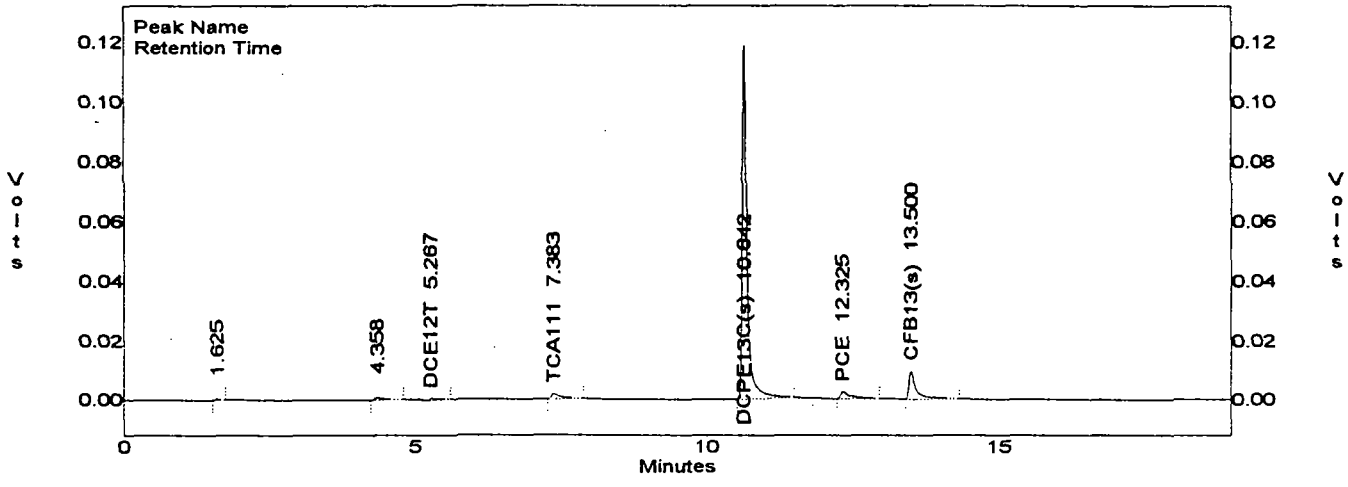
Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/15/95 Time: 12:21	Time Injected: 12:35 Loop #: 14

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride	"	Benzene	"
Chloroethane	"	Toluene	"
Freon 11	"	Ethylbenzene	"
Dichloromethane	"	m/p-Xylene	"
t-12DCE	"	o-Xylene	"
11DCA	"		
c-12DCE	"		
Chloroforme	"	Freon 113	<1
111TCA	3.1		
Carbon Tetrachloride	<1		
12DCA	"		
TCE	"		
112TCA	"	% Surr. 1, ELCD	88
PCE	5.3	% Surr. 2, ELCD	62
1112PCA	<1	% Surr. 1, PID	93
1122PCA	"	% Surr. 2, PID	94
		% Surr. 1, FID	109
		% Surr. 2, FID	108

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.040
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-6
Acquired : Nov 15, 1995 12:36:25
Printed : Nov 15, 1995 12:55:51
User : DQF

C:\LABQUEST\CHROM\OMEGA.040 -- Channel A



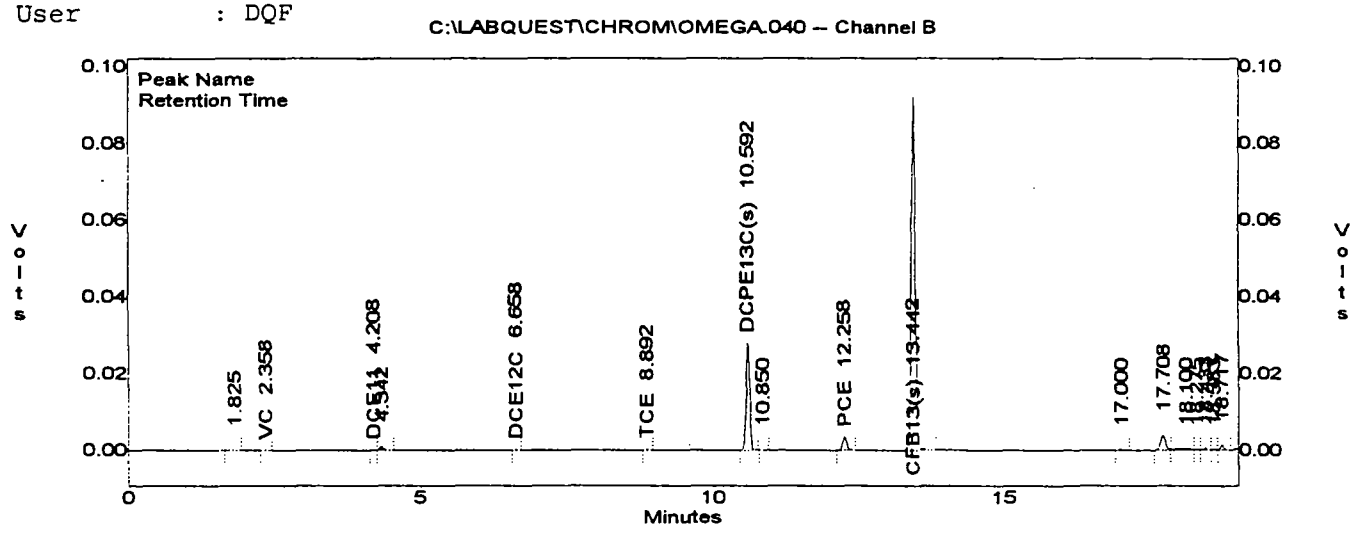
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.625	1725	0.000		0
--	F12	1.892	0	0.000		0
--	VC	2.400	0	0.000		0
--	CLET	3.125	0	0.000		0
--	F11	3.517	0	0.000		0
--	DCE11+F113	4.258	0	0.000		0
2		4.358	8598	0.000		0
--	DCM	4.925	0	0.000		0
3	DCE12T	5.267	4587	0.986		0
--	DCA11	5.850	0	0.000		0
--	DCE12C	6.650	0	0.000		0
--	CLFM	7.125	0	0.000		0
4	TCA111	7.383	19341	3.058	✓	0
--	CBTC	7.592	0	0.000		0
--	DCA12	7.958	0	0.000		0
--	TCE	8.958	0	0.000		0
5	DCPE13C(s)	10.642	694668	883.086		0
--	TCA112	12.108	0	0.000		0
6	PCE	12.325	28676	5.298	✓	0
7	CFB13(s)	13.500	83926	616.564		0
--	PCA1112	14.383	0	0.000		0
--	PCA1122	17.358	0	0.000		0

Totals :

841523	1508.991	

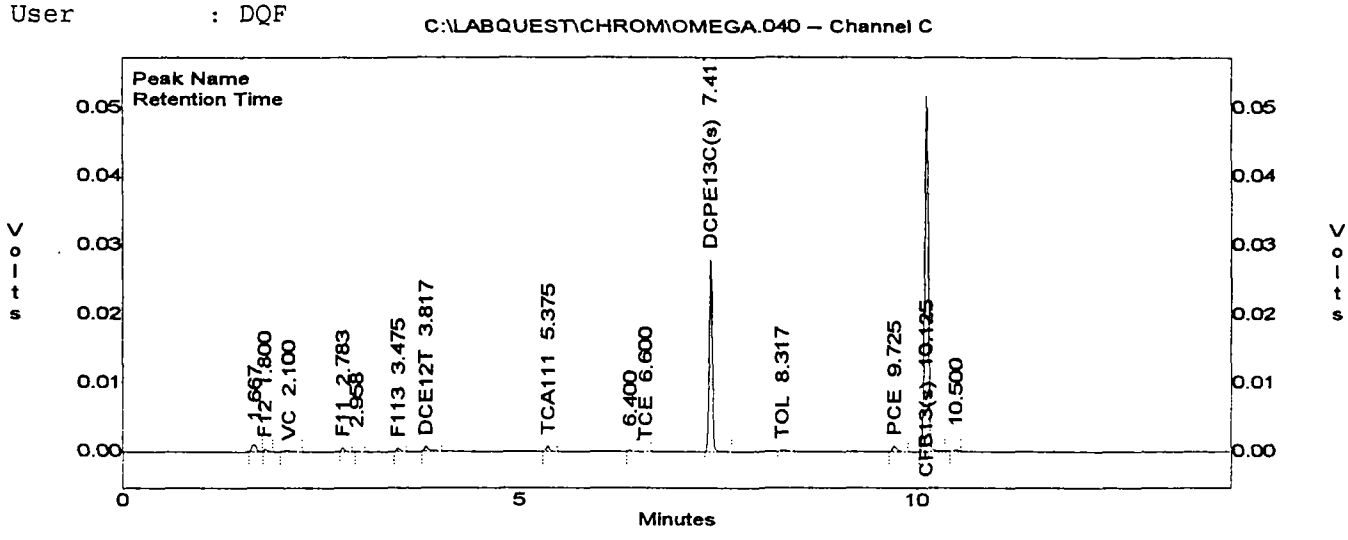
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.040
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-6
Acquired : Nov 15, 1995 12:36:25
Printed : Nov 15, 1995 12:55:55
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.825	452	0.000	0
2	VC	2.358	417	0.563	0
3	DCE11	4.208	913	0.537	0
4		4.342	3700	0.000	0
--	DCE12T	5.242	0	0.000	0
5	DCE12C	6.658	365	0.181	0
--	BNZ	7.867	0	0.000	0
6	TCE	8.892	443	0.184	0
7	DCPE13C(s)	10.592	117524	928.587	0
8		10.850	545	0.000	0
--	TOL	11.208	0	0.000	0
9	PCE	12.258	17822	9.167	0
10	CFB13(s)	13.442	429602	942.064	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
11		17.000	1009	0.000	0
12		17.708	22233	0.000	0
13		18.100	4420	0.000	0
14		18.275	724	0.000	0
15		18.433	1811	0.000	0
16		18.583	707	0.000	0
17		18.717	5173	0.000	0
Totals :			607865	1881.284	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.040
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-6
Acquired : Nov 15, 1995 12:36:25
Printed : Nov 15, 1995 12:55:59
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	4680	0.000	0
2	F12	1.800	1074	12.315	0
3	VC	2.100	1569	2.512	0
--	CLET	2.383	0	0.000	0
4	F11	2.783	1769	18.558	0
5		2.958	250	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
6	F113	3.475	1616	8.368 X	0
7	DCE12T	3.817	2724	6.868	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
8	TCA111	5.375	2368	7.639	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
9		6.400	575	0.000	0
10	TCE	6.600	201	0.650	0
11	DCPE13C(s)	7.417	76961	1091.881	0
--	TCA112	8.108	0	0.000	0
12	TOL	8.317	971	0.649	0
13	PCE	9.725	3176	12.929	0
14	CFB13(s)	10.125	167356	1080.678	0
15		10.500	840	0.000	0
--	PCA1112	10.633	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.040
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-6
Acquired : Nov 15, 1995 12:36:25
Printed : Nov 15, 1995 12:56:01
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

266133	2243.048

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB25-12	Probe Depth (ft): 12'
Time Sampled: 12:33	Sampled by: Um
Date Sampled: 11-15-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 63.7°F	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 23
Purge Volume (liters): .75	Equilibrium Time: :15
Purge Time (min.): :12	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

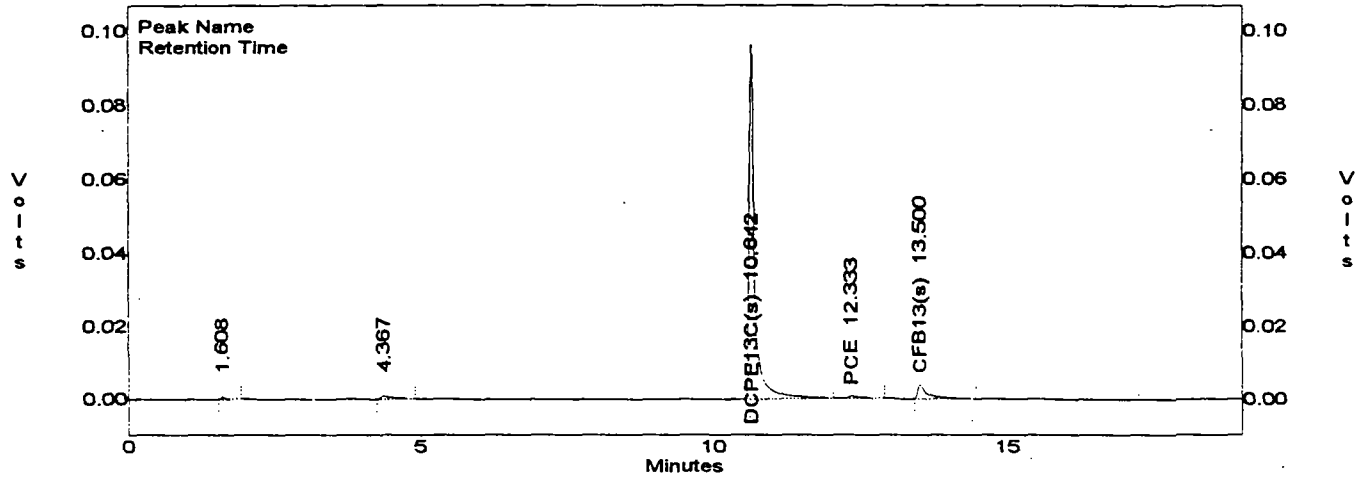
Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/15/95 Time: 12:35	Time Injected: 12:58 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	83
PCE	1.6	% Surr. 2, ELCD	34
1112PCA	<1	% Surr. 1, PID	92
1122PCA		% Surr. 2, PID	93
		% Surr. 1, FID	109
		% Surr. 2, FID	108

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.041
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-12
Acquired : Nov 15, 1995 13:00:44
Printed : Nov 15, 1995 13:20:04
User : DQF

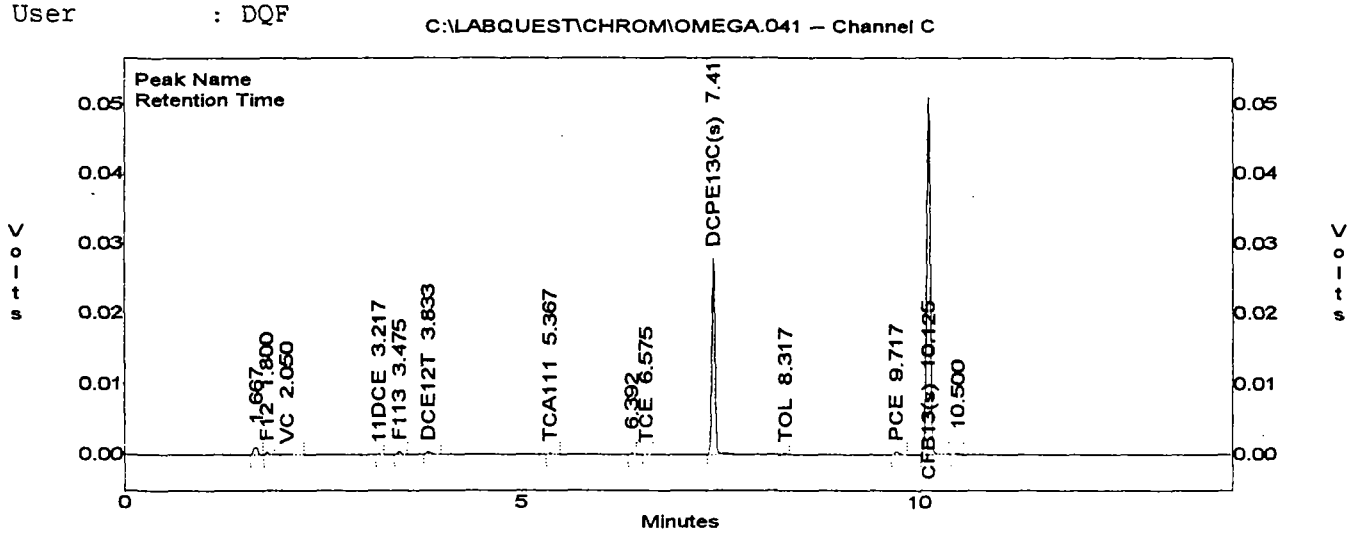
C:\LABQUEST\CHROM\OMEGA.041 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.608	4025	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
2		4.367	11229	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
3	DCPE13C(s)	10.642	650223	826.586	0
--	TCA112	12.108	0	0.000	0
4	PCE	12.333	8781	1.622 ✓	0
5	CFB13(s)	13.500	45918	337.339	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			720177	1165.548	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.041
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-12
Acquired : Nov 15, 1995 13:00:44
Printed : Nov 15, 1995 13:20:12
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.667	4699	0.000		0
2	F12	1.800	919	10.545		0
3	VC	2.050	756	1.210		0
--	CLET	2.383	0	0.000		0
--	F11	2.833	0	0.000		0
4	11DCE	3.217	286	0.779		0
--	DCM	3.283	0	0.000		0
5	F113	3.475	1558	8.069	X	0
6	DCE12T	3.833	1323	3.337		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
7	TCA111	5.367	562	1.815		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
8		6.392	567	0.000		0
9	TCE	6.575	264	0.854		0
10	DCPE13C(s)	7.417	76657	1087.561		0
--	TCA112	8.108	0	0.000		0
11	TOL	8.317	537	0.359		0
12	PCE	9.717	1815	7.389		0
13	CFB13(s)	10.125	166806	1077.129		0
14		10.500	887	0.000		0
--	PCA1112	10.633	0	0.000		0
--	EB+PCA1122	11.242	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.041
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG25-12
Acquired : Nov 15, 1995 13:00:44
Printed : Nov 15, 1995 13:20:14
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	257641	2199.046

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 10-6	Probe Depth (ft): 6'
Time Sampled: 13:15	Sampled by: WM
Date Sampled: 11·15·95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 65.5°F	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 300	Max. Purge Vacuum (in. Hg): 18
Purge Volume (liters): 1	Equilibrium Time: :04
Purge Time (min.): :07	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL 10µL
Recd. Date: 11/15/95 Time: 13:16	Time Injected: 13:22 Loop #: M

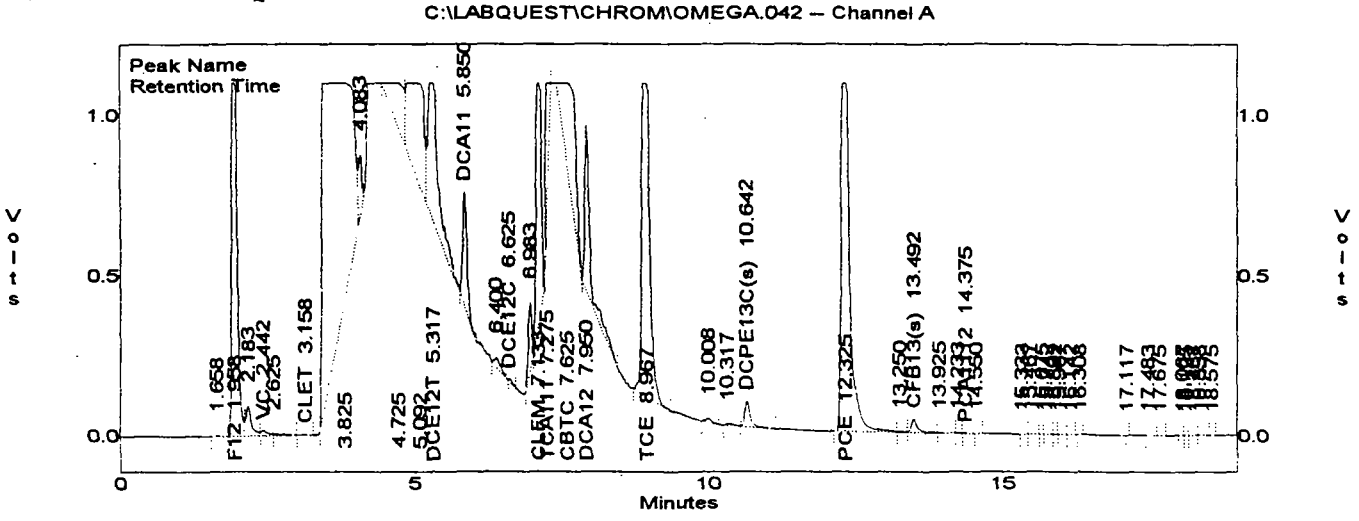
Compound	Concentration (ug/L) (1mL)	(10µL)	Compound	Concentration (ug/L)	
Freon 12	3500	43,000	11DCE	1200	6,200
Vinyl Chloride			Benzene	26	<100
Chloroethane			Toluene	270	150
Freon 11	3700	220,000	Ethylbenzene	4.9	<100
Dichloromethane		135,000	m/p-Xylene	15	<100
t-12DCE	1100	4,300	o-Xylene	3.0	<100
11DCA	320	2600			
c-12DCE	<1	<100			
Chloroforme	680	900	Freon 113	off limit	840,000
111TCA	off limit	39,000			
Carbon Tetrachloride	<1	<100			
12DCA	810	4,900			
TCE	1900	5,200			
112TCA	<1	<100	% Surr. 1, ELCD	68	53
PCE	2100	720	% Surr. 2, ELCD	249*	313*
1112PCA	<1	<100	% Surr. 1, PID	98	95
1122PCA	<1	<100	% Surr. 2, PID	94	96
			% Surr. 1, FID	548*	115
	↑	↑	% Surr. 2, FID	112	111

* Matrix interferance

750

75000

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.042
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6
Acquired : Nov 15, 1995 13:25:05
Printed : Nov 15, 1995 13:44:32
User : DQF



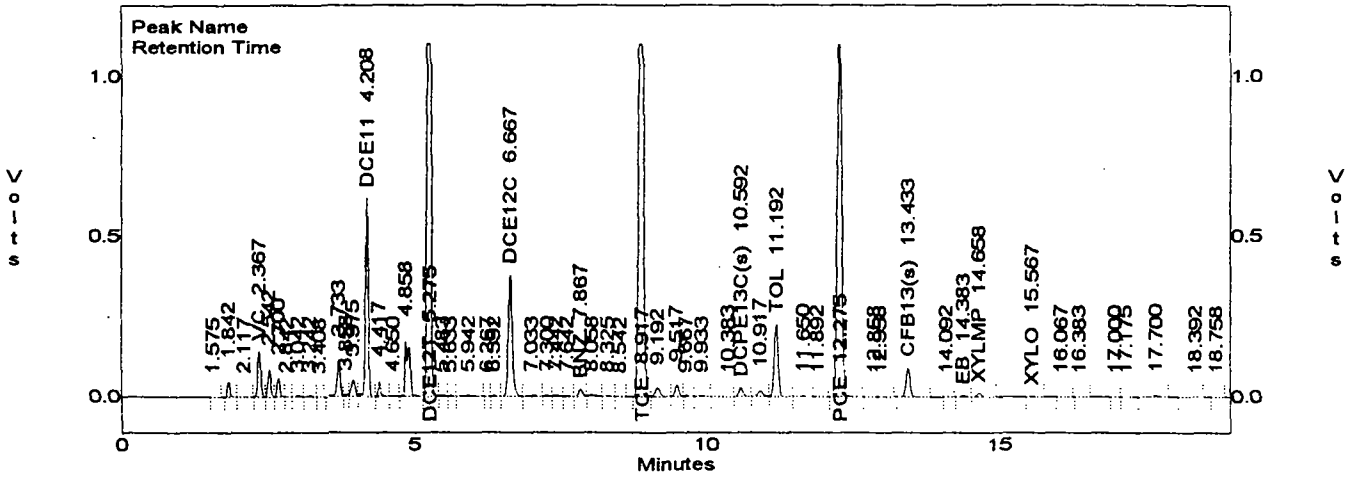
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	6680	0.000	0
2	F12	1.958	7521712	3532.550 ✓	0
3		2.183	657042	0.000	0
4	VC	2.442	139277	40.686 ?	0
5		2.625	75852	0.000	0
6	CLET	3.158	18556	12.705	0
--	F11	3.517	0	0.000	0
7		3.825	26988876	0.000	0
8		4.083	814482	0.000	0
--	DCE11+F113	4.258	0	0.000	0
9		4.725	2391790	0.000	0
--	DCM	4.925	0	0.000	0
10		5.092	5660878	0.000	0
11	DCE12T	5.317	5160198	1109.063 ✓	0
12	DCA11	5.850	1849503	322.030 ✓	0
13		6.400	249908	0.000	0
14	DCE12C	6.625	52649	11.302 ✗	0
15		6.983	849336	0.000	0
16	CLFM	7.133	4902713	680.570 ✓	0
17	TCA111	7.275	1431567	226.313 Off scale	0
18	CBTC	7.625	4929633	550.003 ?	0
19	DCA12	7.950	3030091	805.879 ✓	0
20	TCE	8.967	9408444	1892.254 ✓	0
21		10.008	89933	0.000	0
22		10.317	50859	0.000	0
23	DCPE13C(s)	10.642	536493	682.009	0

Continued...

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.042
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6
Acquired : Nov 15, 1995 13:25:05
Printed : Nov 15, 1995 13:44:39
User : DQF

C:\LABQUEST\CHROM\OMEGA.042 — Channel B

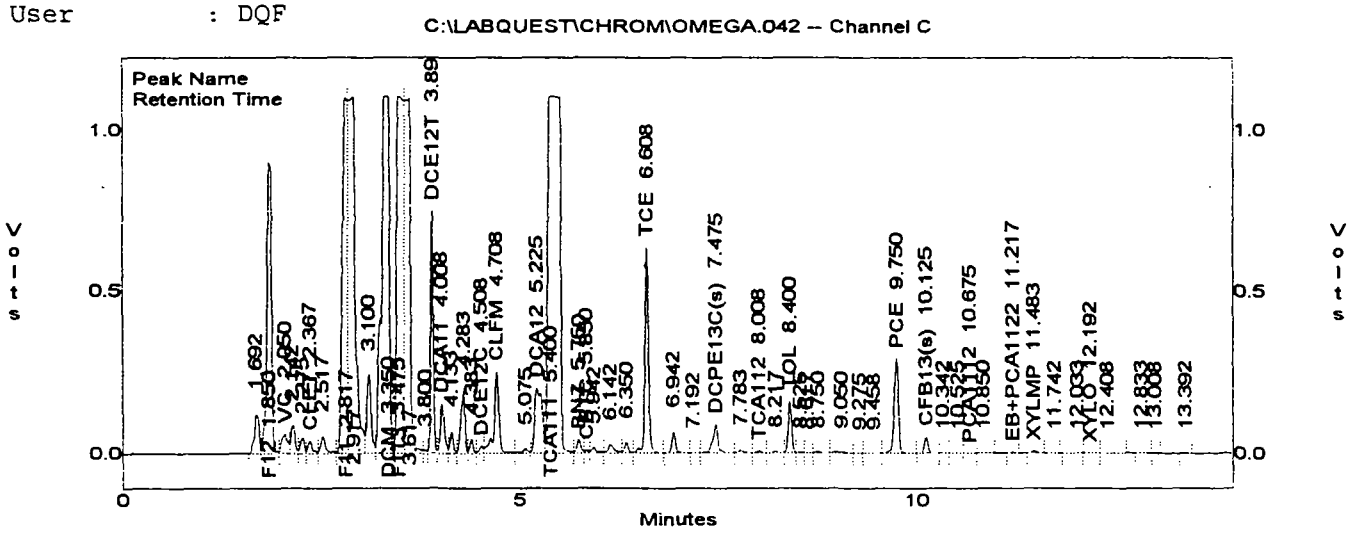


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.575	1888	0.000		0
2		1.842	149945	0.000		0
3		2.117	2538	0.000		0
4	VC	2.367	533096	720.144		0
5		2.542	300044	0.000		0
6		2.700	211579	0.000		0
7		2.842	2124	0.000		0
8		3.042	23834	0.000		0
9		3.242	21327	0.000		0
10		3.408	1694	0.000		0
11		3.733	429059	0.000		0
12		3.858	35084	0.000		0
13		3.975	245441	0.000		0
14	DCE11	4.208	2045255	1203.607		0
15		4.417	127794	0.000		0
16		4.650	12020	0.000		0
17		4.858	930745	0.000		0
18	DCE12T	5.275	6029685	1582.991		0
19		5.483	17745	0.000		0
20		5.633	11423	0.000		0
21		5.942	39114	0.000		0
22		6.267	4763	0.000		0
23		6.392	9656	0.000		0
24	DCE12C	6.667	1857562	918.879		0
25		7.033	25105	0.000		0
26		7.300	12112	0.000		0

Continued...

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.042
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6
Acquired : Nov 15, 1995 13:25:05
Printed : Nov 15, 1995 13:44:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.692	496279	0.000		0
2	F12	1.850	3393167	38899.965	✓	0
3	VC	2.050	298961	478.574		0
4		2.142	315226	0.000		0
5		2.275	164364	0.000		0
6	CLET	2.367	143724	245.313		0
7		2.517	233882	0.000		0
8	F11	2.817	4811213	50472.461	✓	0
9		2.917	7069401	0.000		0
10		3.100	933020	0.000		0
--	11DCE	3.200	0	0.000		0
11	DCM	3.350	7559061	17696.176		0
12	F113	3.475	6590903	34129.680		0
13		3.617	5404238	0.000		0
14		3.800	30461	0.000		0
15	DCE12T	3.892	1661151	4188.085	✓	0
16	DCA11	4.008	549390	1344.576	✓	0
17		4.133	188814	0.000		0
18		4.283	625246	0.000		0
19		4.383	129850	0.000		0
20	DCE12C	4.508	75141	185.640	?	0
21	CLFM	4.708	1107054	7062.440	✓	0
22		5.075	73359	0.000		0
23	DCA12	5.225	1298331	3216.540	✓	0
24	TCA111	5.400	11197796	36123.293	✓	0
25	BNZ	5.750	148537	97.845	✓	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.042
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6
[illegible]red : Nov 15, 1995 13:25:05
[illegible]ed : Nov 15, 1995 13:44:51
User : DQF

Channel C Results

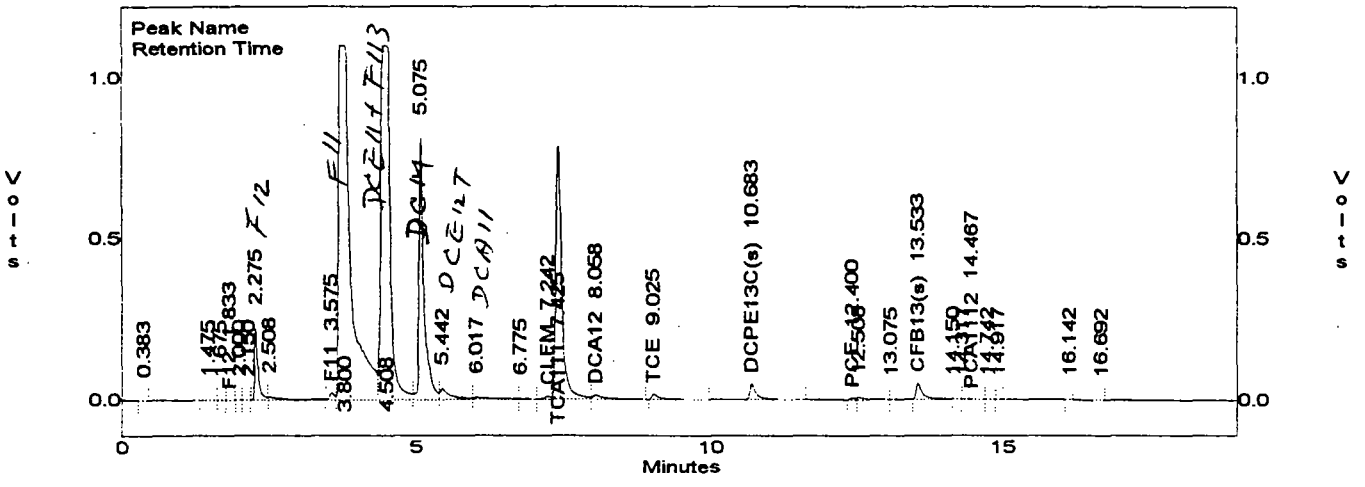
peak	Compound	Rt	Area	Conc(ug/l)	Rf	
26	CBTC	5.850	29006	223.222	?	0
27		5.942	71232	0.000		0
28		6.142	139332	0.000		0
29		6.350	107423	0.000		0
30	TCE	6.608	2002382	6476.139	✓	0
31		6.942	230344	0.000		0
32		7.192	8218	0.000		0
33	DCPE13C(s)	7.475	421518	5980.236		0
34		7.783	42530	0.000		0
35	TCA112	8.008	27172	90.383		0
36		8.217	34011	0.000		0
37	TOL	8.400	481436	321.875	✓	0
38		8.525	11712	0.000		0
39		8.617	8847	0.000		0
40		8.750	24434	0.000		0
41		9.050	36085	0.000		0
42		9.275	3488	0.000		0
43		9.458	9041	0.000		0
44	PCE	9.750	1009422	4109.348	✓	0
45	CFB13(s)	10.125	172814	1115.921		0
46		10.342	1560	0.000		0
47		10.525	3286	0.000		0
48	PCA1112	10.675	6076	25.179		0
49		10.850	4075	0.000		0
50	EB+PCA1122	11.217	9766	13.506	✓	0
51	XYLMP	11.483	29149	19.777	✓	0
52		11.742	1271	0.000		0
53		12.033	2121	0.000		0
54	XYLO	12.192	6601	3.896	✓	0
55		12.408	1477	0.000		0
56		12.833	1450	0.000		0
57		13.008	339	0.000		0
58		13.392	355	0.000		0

Totals :

59436580212520.047

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D R
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:10
User : DQF

C:\LABQUEST\CHROM\OMEGA.043 – Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		0.383	702	0.000	0
2		1.475	2575	0.000	0
3		1.675	2260	0.000	0
4	F12	1.833	748	35.153	0
5		2.000	1126	0.000	0
6		2.150	2130	0.000	0
7		2.275	915142	0.000	0
--	VC	2.400	0	0.000	0
8		2.508	144975	0.000	0
--	CLET	3.125	0	0.000	0
9	F11	3.575	119708	1635.264	0
10		3.800	16178912	0.000	0
--	DCE11+F113	4.258	0	0.000	0
11		4.508	12029274	0.000	0
--	DCM	4.925	0	0.000	0
12		5.075	4758620	0.000	0
--	DCE12T	5.283	0	0.000	0
13		5.442	429154	0.000	0
--	DCA11	5.850	0	0.000	0
14		6.017	145578	0.000	0
--	DCE12C	6.650	0	0.000	0
15		6.775	20462	0.000	0
16	CLFM	7.242	64486	895.170	0
17	TCA111	7.425	5611253	88707.141	0
--	CBTC	7.592	0	0.000	0
18	DCA12	8.058	183896	4890.892	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:12
User : DQF

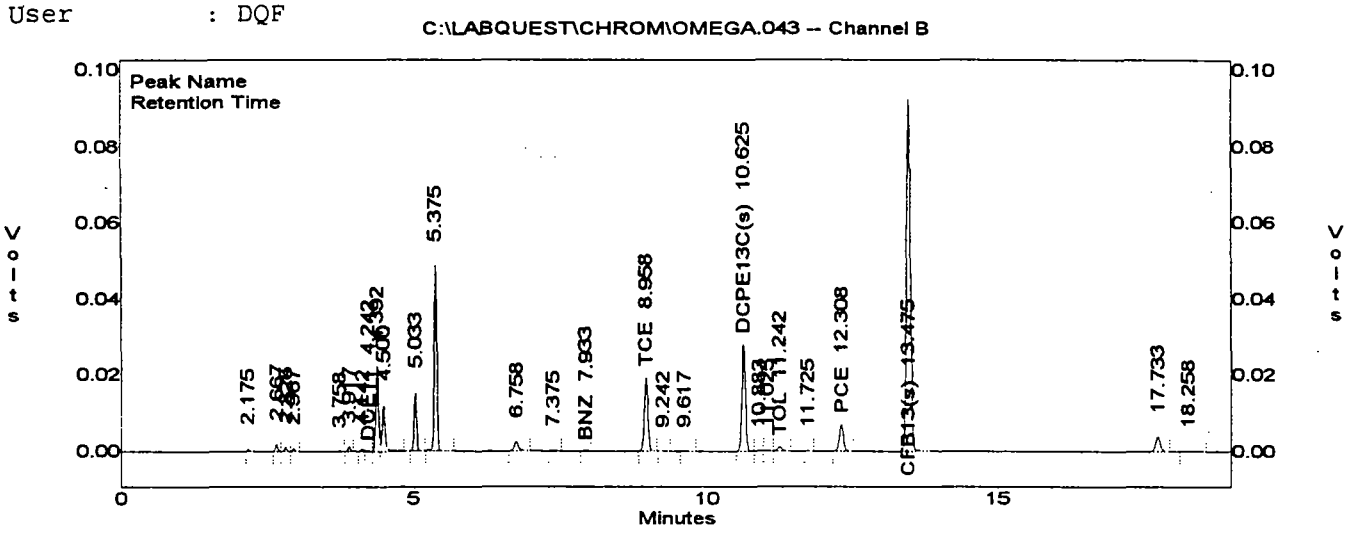
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
19	TCE	9.025	160024	3218.449 ✓	0
20	DCPE13C(s)	10.683	417628	53090.348	0
--	TCA112	12.108	0	0.000	0
21	PCE	12.400	39139	723.124 ✓	0
22		12.508	105361 ?	0.000	0
23		13.075	1906	0.000	0
24	CFB13(s)	13.533	426684	313462.563	0
25		14.150	8327	0.000	0
26		14.317	4477	0.000	0
27	PCA1112	14.467	4726	75.314 ?	0
28		14.742	1229	0.000	0
29		14.917	977	0.000	0
30		16.142	666	0.000	0
31		16.692	554	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

417827 16466733.438

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:15
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		2.175	1425	0.000	0
--	VC	2.367	0	0.000	0
2		2.667	5411	0.000	0
3		2.825	3181	0.000	0
4		2.967	2176	0.000	0
5		3.758	591	0.000	0
6		3.917	3818	0.000	0
7		4.142	2031	0.000	0
8	DCE11	4.242	811	47.735	0
9		4.392	71250	0.000	0
10		4.500	42682 ?	0.000	0
11		5.033	45612 ?	0.000	0
--	DCE12T	5.242	0	0.000	0
12		5.375	150547	0.000	0
--	DCE12C	6.608	0	0.000	0
13		6.758	12655	0.000	0
14		7.375	813	0.000	0
15	BNZ	7.933	695	16.363	0
16	TCE	8.958	81164	3379.829	0
17		9.242	773	0.000	0
18		9.617	934	0.000	0
19	DCPE13C(s)	10.625	120565	95261.172	0
20		10.883	1209	0.000	0
21		11.025	775	0.000	0
22	TOL	11.242	5737	146.729 ✓	0
23		11.725	313	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:17
User : DQF

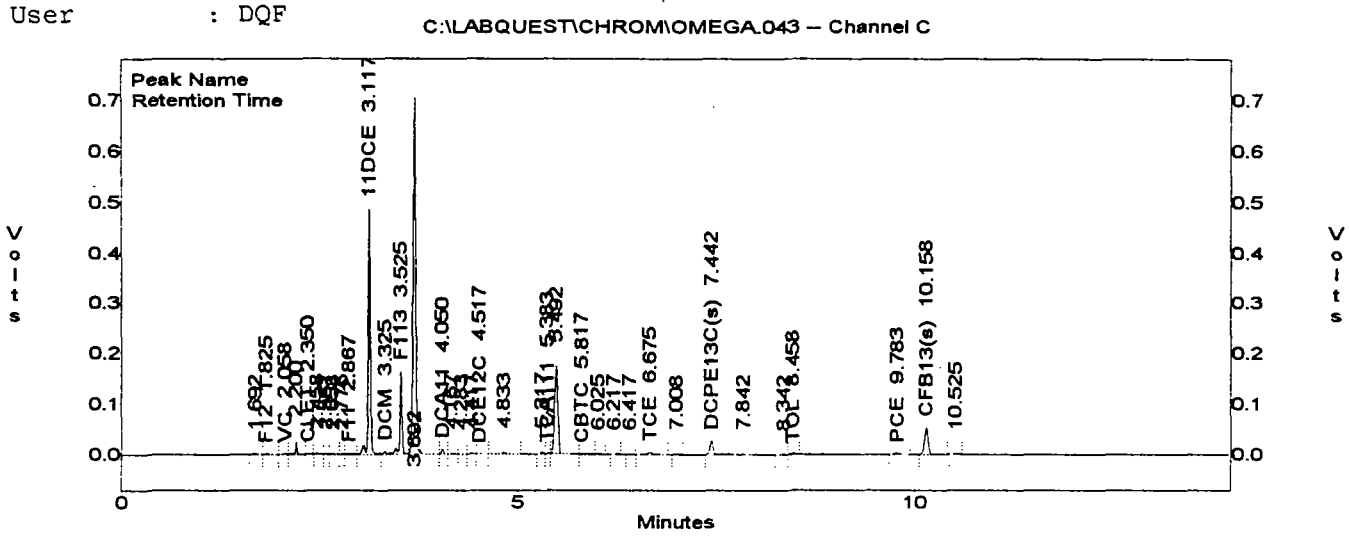
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24	PCE	12.308	35621	1832.337	0
25	CFB13(s)	13.475	437920	96030.586	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
26		17.733	22312	0.000	0
27		18.258	2799	0.000	0

Totals :

1053831196714.750

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:20
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	1728	0.000	0
2	F12	1.825	1034	1186.232	0
3	VC	2.058	5173	828.154	0
4		2.200	37515	0.000	0
5	CLET	2.350	2896	494.313	0
6		2.458	4193	0.000	0
7		2.567	2155	0.000	0
8		2.658	1946	0.000	0
9		2.775	930	0.000	0
10	F11	2.867	4946	5189.475	0
11	11DCE	3.117	946510	256971.078	0
12	DCM	3.325	17440	4082.830	0
13	F113	3.525	308759	159884.953	0
14		3.692	1624021	0.000	0
--	DCE12T	3.850	0	0.000	0
15	DCA11	4.050	20822	5096.039	0
16		4.167	8345	0.000	0
17		4.283	3366	0.000	0
18		4.417	5414	0.000	0
19	DCE12C	4.517	2597	641.628	0
--	CLFM	4.700	0	0.000	0
20		4.833	11803	0.000	0
--	DCA12	5.192	0	0.000	0
21		5.317	11577	0.000	0
22	TCA111	5.383	4612	1487.920	0
23		5.492	460294	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.043
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG10-6D
Acquired : Nov 15, 1995 13:49:42
Printed : Nov 15, 1995 14:09:22
User : DQF

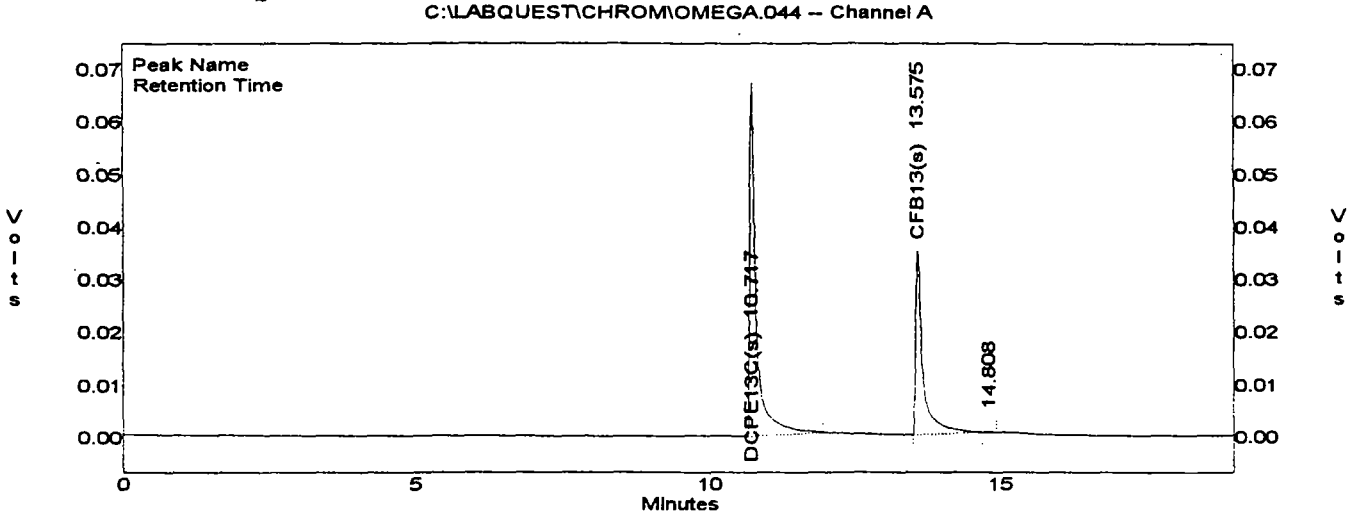
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	BNZ	5.708	0	0.000	0
24	CBTC	5.817	1488	1145.768	0
25		6.025	530	0.000	0
26		6.217	726	0.000	0
27		6.417	1323	0.000	0
28	TCE	6.675	16058	5193.586	0
29		7.008	1425	0.000	0
30	DCPE13C(s)	7.442	81174	115164.938	0
31		7.842	200	0.000	0
--	TCA112	8.108	0	0.000	0
32		8.342	711	0.000	0
33	TOL	8.458	3071	205.354	0
34	PCE	9.783	6167	2510.579	0
35	CFB13(s)	10.158	172158	111168.508	0
36		10.525	875	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

377399	867	1251.375

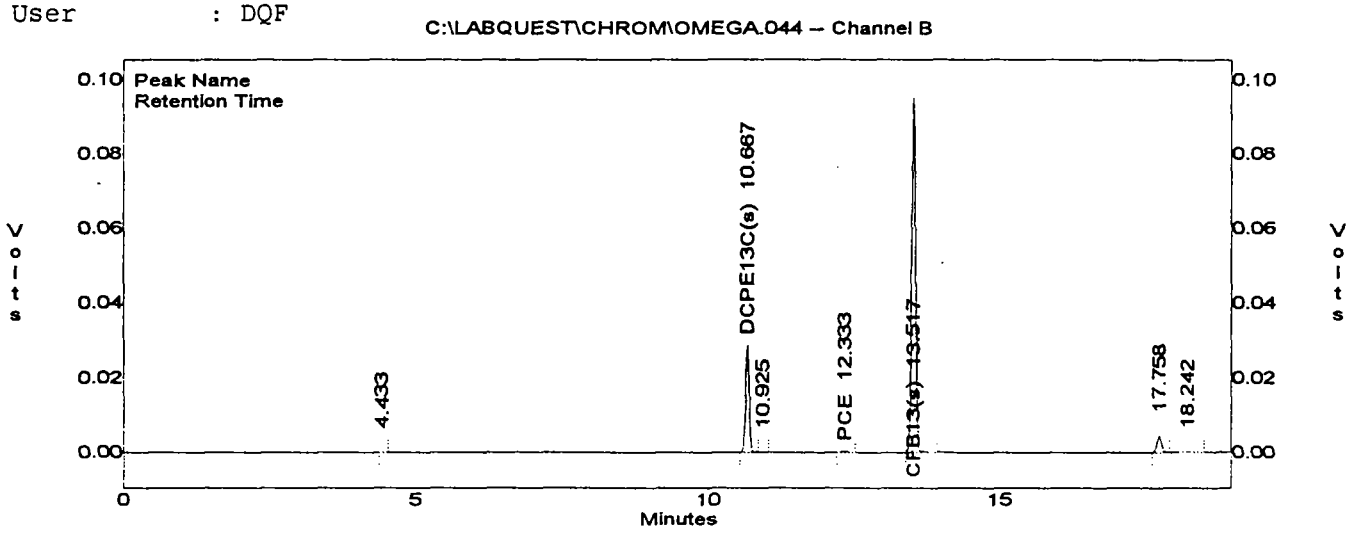
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.044
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:26:20
Printed : Nov 15, 1995 14:45:40
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
1	DCPE13C(s)	10.717	526299	669.050	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
2	CFB13(s)	13.575	311491	2288.364	0
--	PCA1112	14.383	0	0.000	0
3		14.808	664	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			838455	2957.414	

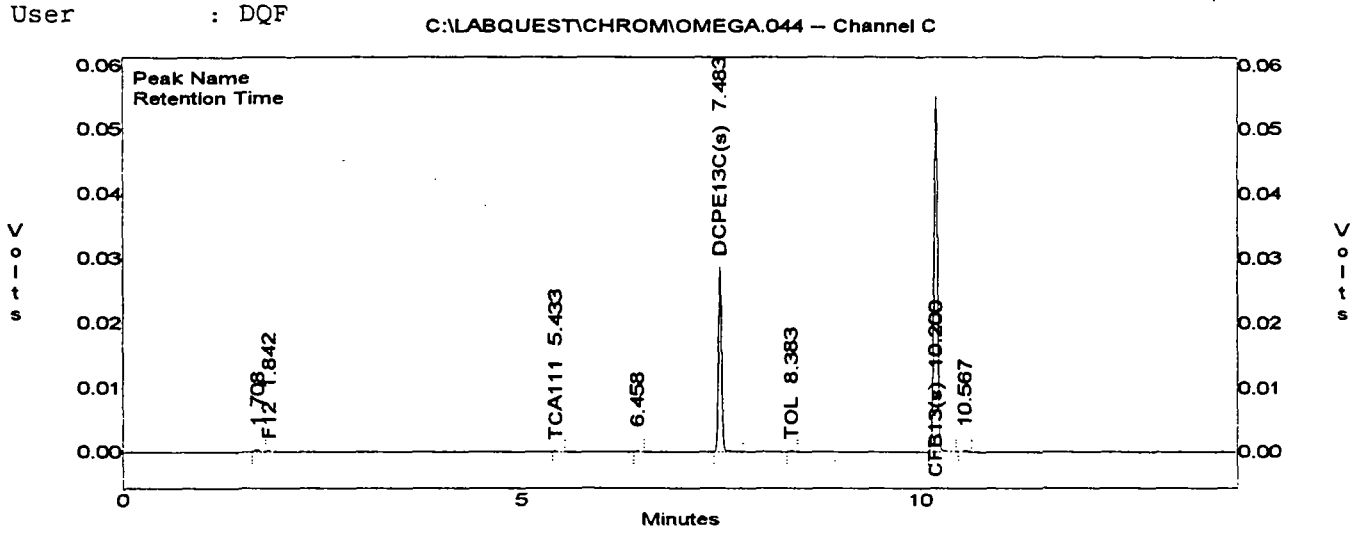
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.044
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:26:20
Printed : Nov 15, 1995 14:45:44
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
1		4.433	349	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
2	DCPE13C(s)	10.667	120988	955.956	0
3		10.925	941	0.000	0
--	TOL	11.208	0	0.000	0
4	PCE	12.333	2568	1.321	0
5	CFB13(s)	13.517	451076	989.156	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
6		17.758	24829	0.000	0
7		18.242	2511	0.000	0
Totals :			603265	1946.433	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.044
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:26:20
Printed : Nov 15, 1995 14:45:48
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.708	1568	0.000	0
2	F12	1.842	720	8.254	0
--	VC	2.033	0	0.000	0
--	CLET	2.383	0	0.000	0
--	F11	2.833	0	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
3	TCA111	5.433	330	1.067	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
4		6.458	626	0.000	0
--	TCE	6.592	0	0.000	0
5	DCPE13C(s)	7.483	79636	1129.826	0
--	TCA112	8.108	0	0.000	0
6	TOL	8.383	620	0.415	0
--	PCE	9.742	0	0.000	0
7	CFB13(s)	10.200	177134	1143.815	0
8		10.567	932	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.044
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:26:20
Printed : Nov 15, 1995 14:45:49
User : DQF

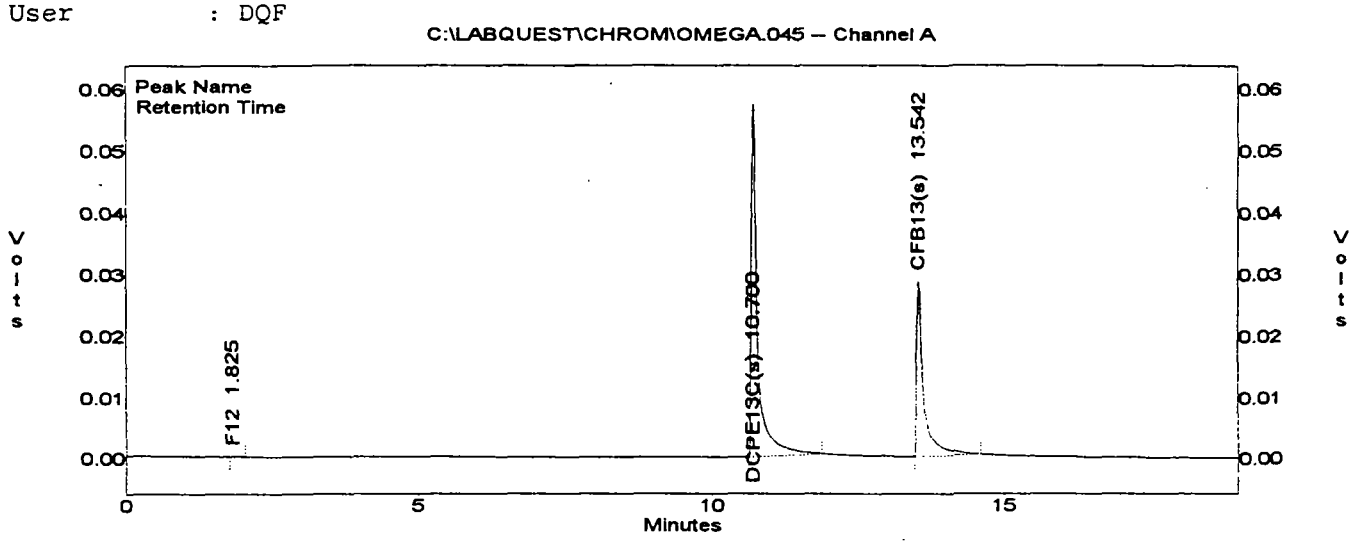
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

261568	2283.376	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.045
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:52:44
Printed : Nov 15, 1995 15:12:10
User : DQF



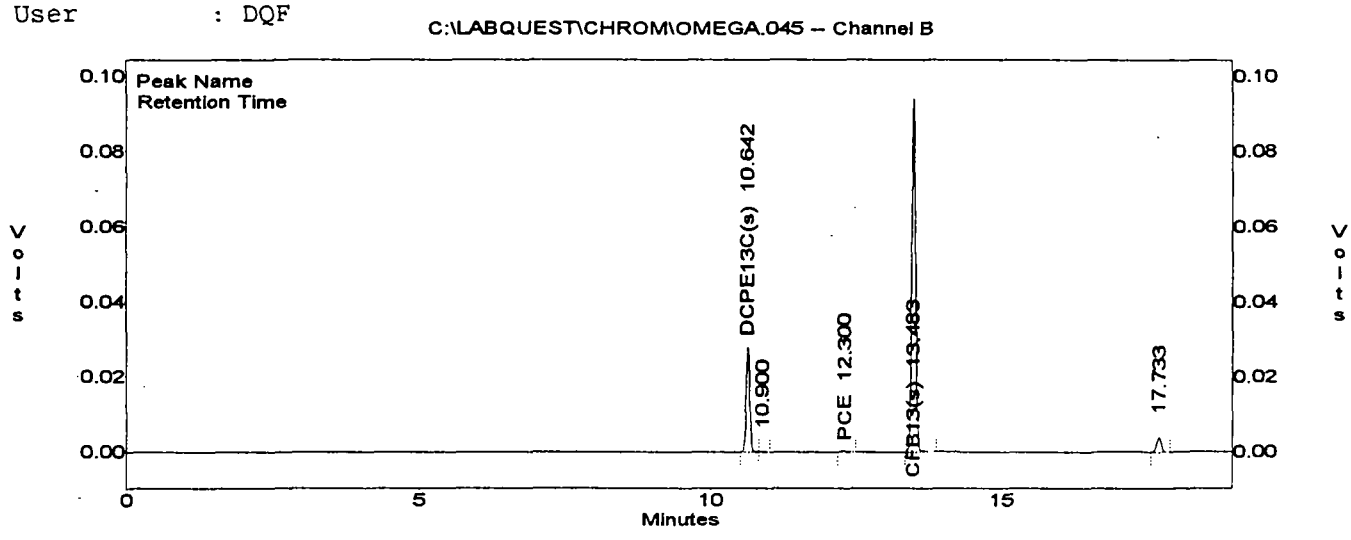
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.825	758	0.356	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
2	DCPE13C(s)	10.700	446821	568.015	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
3	CFB13(s)	13.542	247114	1815.417	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

	694694	2383.788

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.045
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:52:44
Printed : Nov 15, 1995 15:12:13
User : DQF



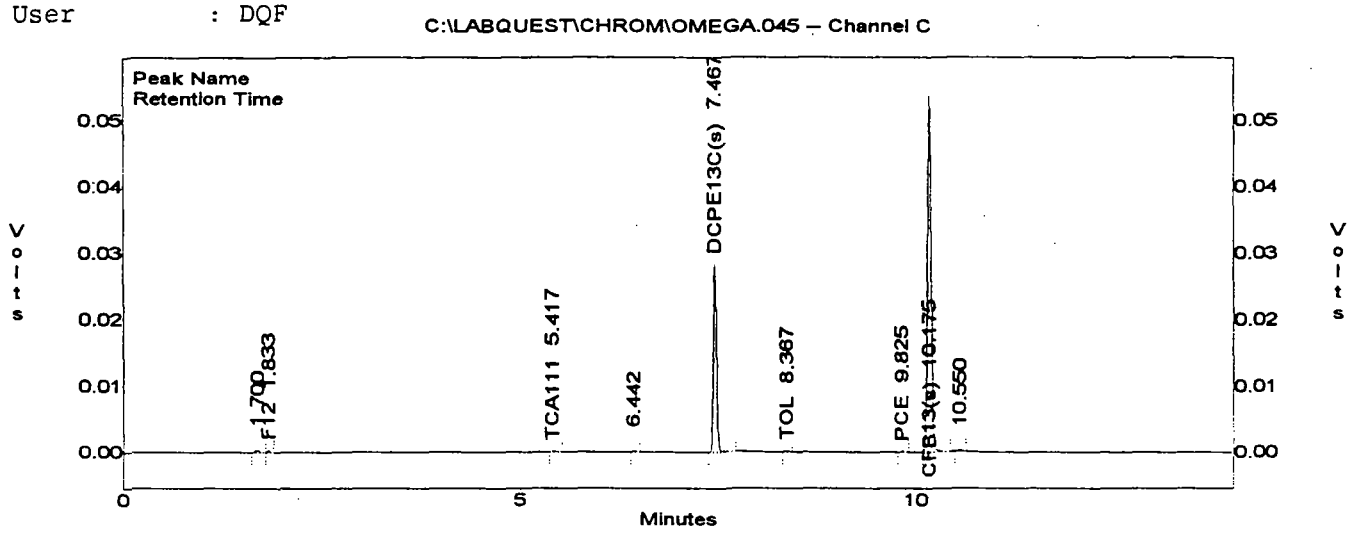
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
1	DCPE13C(s)	10.642	119433	943.670	0
2		10.900	982	0.000	0
--	TOL	11.208	0	0.000	0
3	PCE	12.300	2345	1.206	0
4	CFB13(s)	13.483	441494	968.143	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
5		17.733	22948	0.000	0

Totals :

587204	1913.020	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.045
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:52:44
Printed : Nov 15, 1995 15:12:17
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	1760	0.000	0
2	F12	1.833	699	8.019	0
--	VC	2.033	0	0.000	0
--	CLET	2.383	0	0.000	0
--	F11	2.833	0	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
3	TCA111	5.417	333	1.077	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
4		6.442	573	0.000	0
--	TCE	6.592	0	0.000	0
5	DCPE13C(s)	7.467	77898	1105.175	0
--	TCA112	8.108	0	0.000	0
6	TOL	8.367	622	0.416	0
7	PCE	9.825	216	0.880	0
8	CFB13(s)	10.175	172467	1113.682	0
9		10.550	742	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.045
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST
Acquired : Nov 15, 1995 14:52:44
Printed : Nov 15, 1995 15:12:18
User : DQF

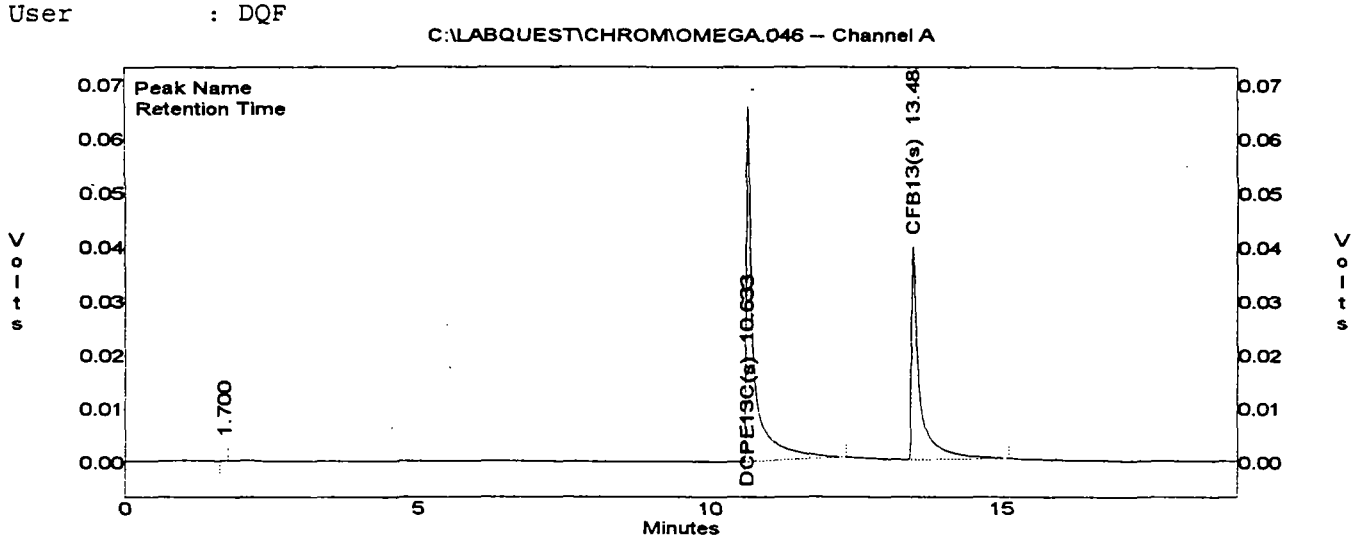
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	255313	2229.249

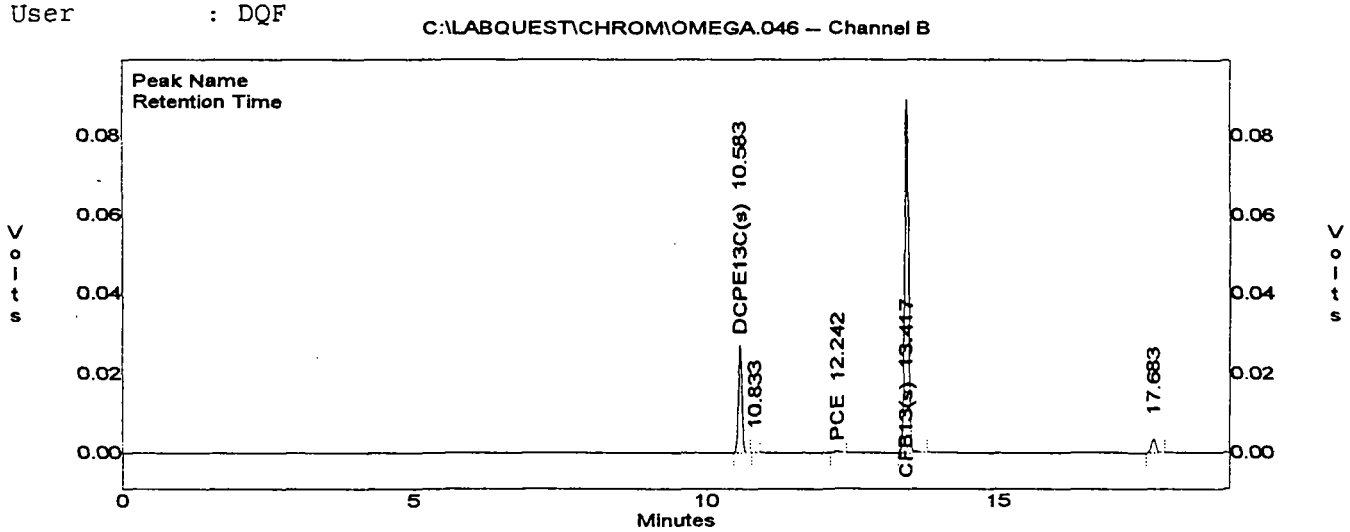
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.046
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST, NEW NI TUBE
Acquired : Nov 15, 1995 15:42:50
Printed : Nov 15, 1995 16:02:15
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	682	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
2	DCPE13C(s)	10.633	576608	733.004	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
3	CFB13(s)	13.483	391629	2877.096	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			968920	3610.100	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.046
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST, NEW NI TUBE
Acquired : Nov 15, 1995 15:42:50
Printed : Nov 15, 1995 16:02:19
User : DQF



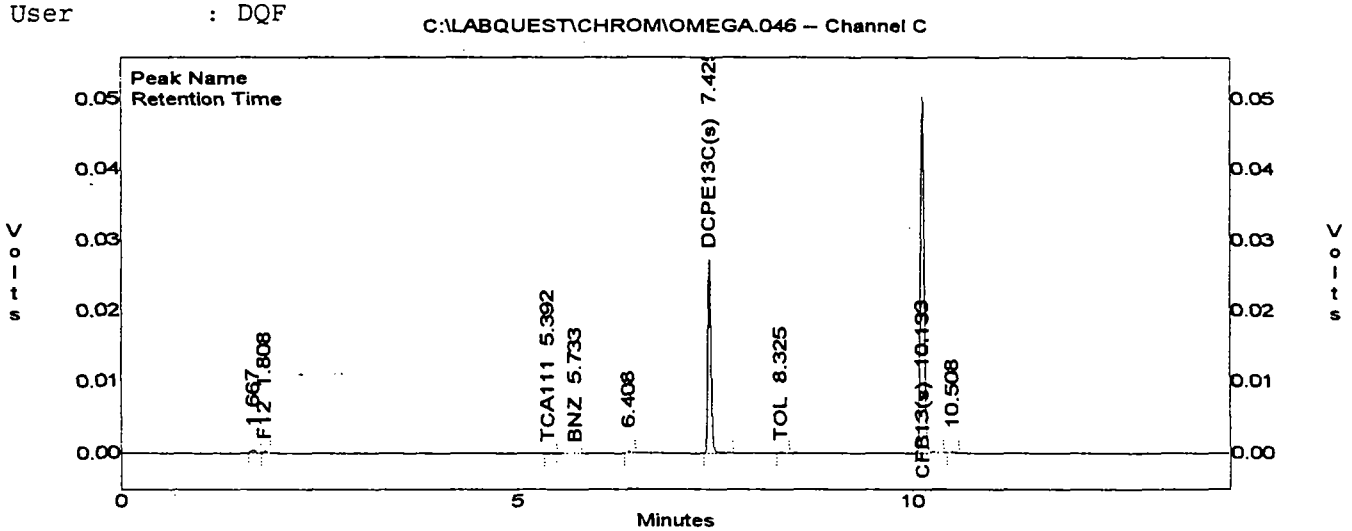
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
1	DCPE13C(s)	10.583	114174	902.118	0
2		10.833	503	0.000	0
--	TOL	11.208	0	0.000	0
3	PCE	12.242	2068	1.064	0
4	CFB13(s)	13.417	419510	919.935	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
5		17.683	20119	0.000	0

Totals :

556375	1823.116	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.046
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST, NEW NI TUBE
Acquired : Nov 15, 1995 15:42:50
Printed : Nov 15, 1995 16:02:23
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	1841	0.000	0
2	F12	1.808	799	9.160	0
--	VC	2.033	0	0.000	0
--	CLET	2.383	0	0.000	0
--	F11	2.833	0	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
3	TCA111	5.392	332	1.074	0
4	BNZ	5.733	332	0.219	0
--	CBTC	5.825	0	0.000	0
5		6.408	570	0.000	0
--	TCE	6.592	0	0.000	0
6	DCPE13C(s)	7.425	76119	1079.936	0
--	TCA112	8.108	0	0.000	0
7	TOL	8.325	653	0.437	0
--	PCE	9.742	0	0.000	0
8	CFB13(s)	10.133	165801	1070.637	0
9		10.508	719	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.046
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK TEST, NEW NI TUBE
Acquired : Nov 15, 1995 15:42:50
Printed : Nov 15, 1995 16:02:24
User : DQF

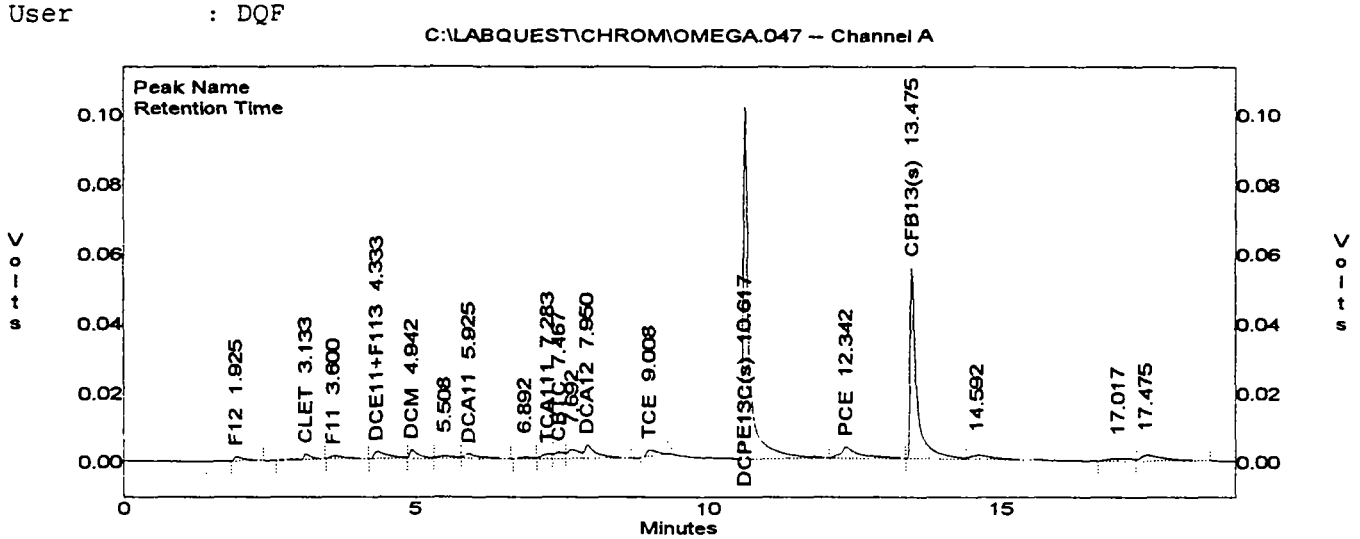
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

247170	2161.463	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.047
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L1
Acquired : Nov 15, 1995 16:21:03
Printed : Nov 15, 1995 16:40:26
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.925	15375	0.007	0
--	VC	2.400	0	0.000	0
2	CLET	3.133	17266	0.012	0
3	F11	3.600	16829	0.002	0
4	DCE11+F113	4.333	36345	0.009	0
5	DCM	4.942	29741	0.008	0
--	DCE12T	5.283	0	0.000	0
6		5.508	15898	0.000	0
7	DCA11	5.925	27851	0.005	0
--	DCE12C	6.650	0	0.000	0
8		6.892	8982	0.000	0
--	CLFM	7.125	0	0.000	0
9	TCA111	7.283	16130	0.003	0
10	CBTC	7.467	21562	0.002	0
11		7.692	37889	0.000	0
12	DCA12	7.950	55579	0.015	0
13	TCE	9.008	22916	0.005	0
14	DCPE13C(s)	10.617	713046	0.906	0
--	TCA112	12.108	0	0.000	0
15	PCE	12.342	70126	0.013	0
16	CFB13(s)	13.475	434090	3.189	0
--	PCA1112	14.383	0	0.000	0
17		14.592	32448	0.000	0
18		17.017	21010	0.000	0
--	PCA1122	17.358	0	0.000	0
19		17.475	47630	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.047
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L1
Acquired : Nov 15, 1995 16:21:03
Printed : Nov 15, 1995 16:40:28
User : DQF

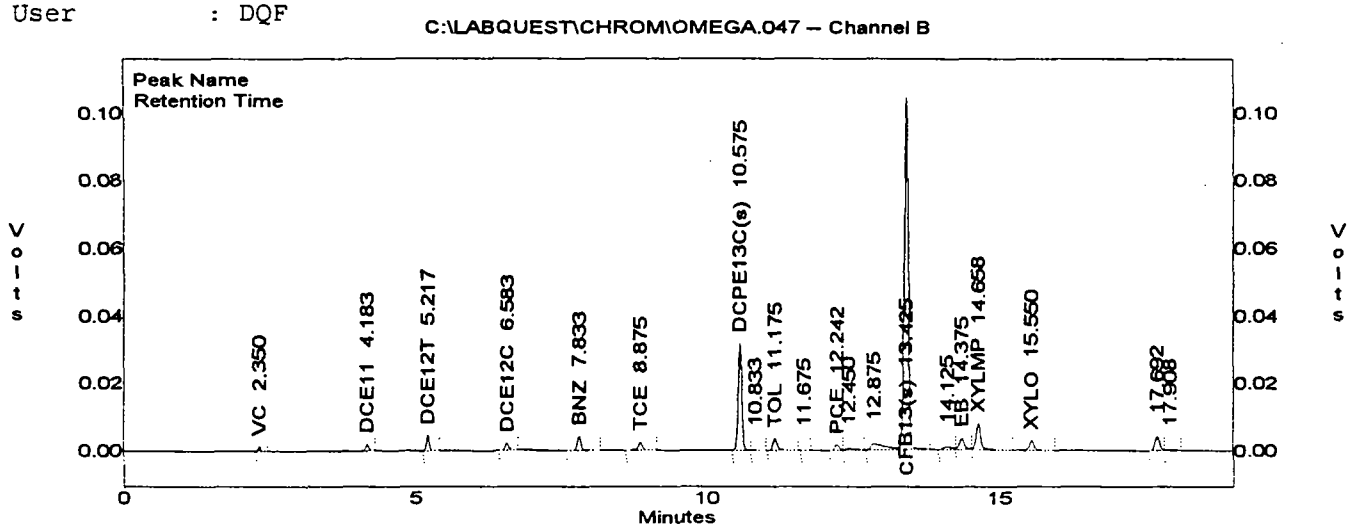
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf

Totals :

		1640720	4.176

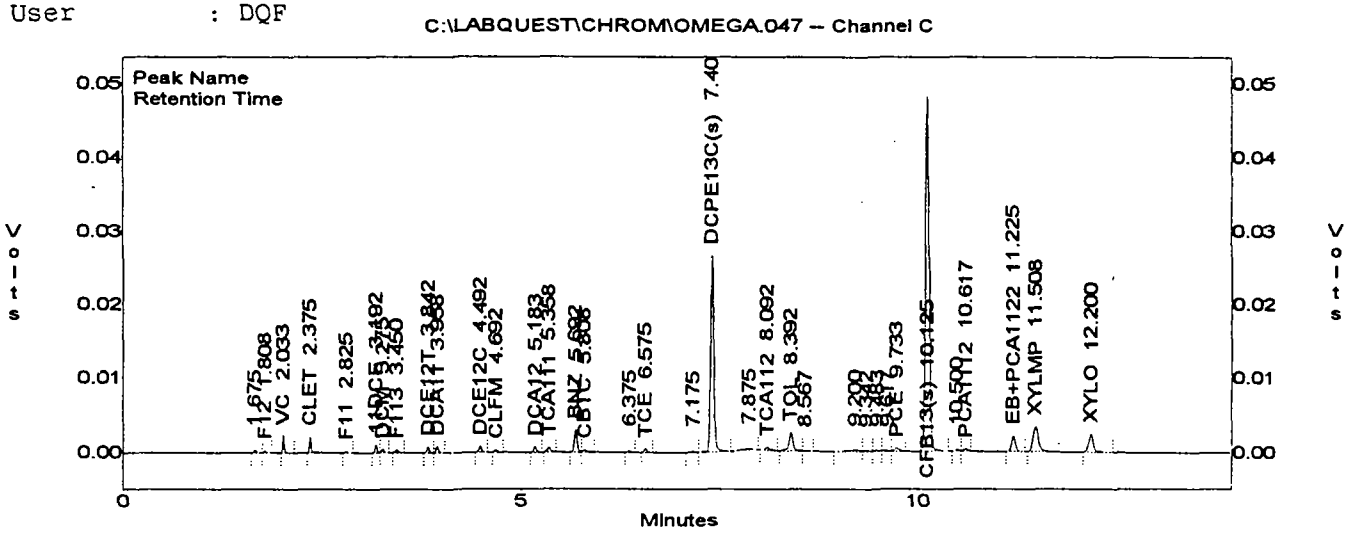
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.047
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L1
Acquired : Nov 15, 1995 16:21:03
Printed : Nov 15, 1995 16:40:31
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.350	3424	0.005	0
2	DCE11	4.183	7041	0.004	0
3	DCE12T	5.217	15148	0.004	0
4	DCE12C	6.583	9304	0.005	0
5	BNZ	7.833	19862	0.005	0
6	TCE	8.875	13442	0.006	0
7	DCPE13C(s)	10.575	136026	1.075	0
8		10.833	1456	0.000	0
9	TOL	11.175	18883	0.005	0
10		11.675	306	0.000	0
11	PCE	12.242	9616	0.005	0
12		12.450	5042	0.000	0
13		12.875	28768	0.000	0
14	CFB13(s)	13.425	498256	1.093	0
15		14.125	9333	0.000	0
16	EB	14.375	21238	0.006	0
17	XYLMP	14.658	43959	0.011	0
18	XYLO	15.550	15507	0.005	0
19		17.692	24478	0.000	0
20		17.908	2435	0.000	0
Totals :			883532	2.226	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.047
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L1
Acquired : Nov 15, 1995 16:21:03
Printed : Nov 15, 1995 16:40:36
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.675	898	0.000	0
2	F12	1.808	554	0.006	0
3	VC	2.033	3436	0.006	0
4	CLET	2.375	3393	0.006	0
5	F11	2.825	505	0.005	0
6	11DCE	3.192	2045	0.006	0
7	DCM	3.275	970	0.002	0
8	F113	3.450	913	0.005	0
9	DCE12T	3.842	1916	0.005	0
10	DCA11	3.958	2149	0.005	0
11	DCE12C	4.492	1931	0.005	0
12	CLFM	4.692	743	0.005	0
13	DCA12	5.183	1909	0.005	0
14	TCA111	5.358	1780	0.006	0
15	BNZ	5.692	7625	0.005	0
16	CBTC	5.808	987	0.008	0
17		6.375	612	0.000	0
18	TCE	6.575	1508	0.005	0
19		7.175	623	0.000	0
20	DCPE13C(s)	7.408	74850	1.062	0
21		7.875	1866	0.000	0
22	TCA112	8.092	1686	0.006	0
23	TOL	8.392	9509	0.006	0
24		8.567	337	0.000	0
25		9.200	3268	0.000	0
26		9.342	1240	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.047
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L1
Acquired : Nov 15, 1995 16:21:03
Printed : Nov 15, 1995 16:40:37
User : DQF

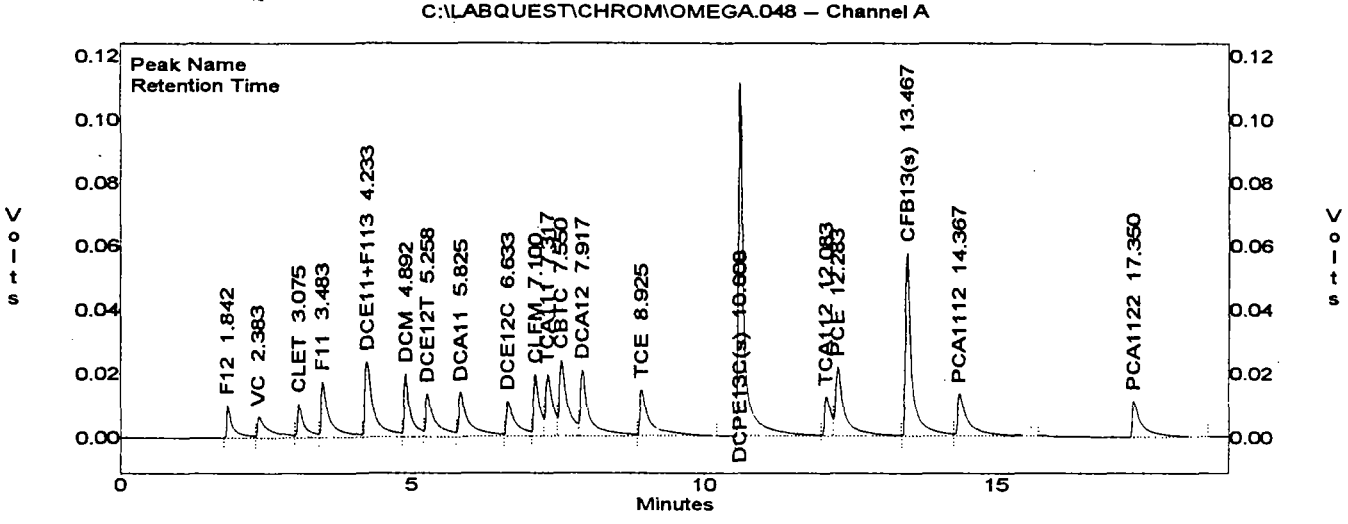
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27		9.483	728	0.000	0
28		9.617	464	0.000	0
29	PCE	9.733	1698	0.007	0
30	CFB13(s)	10.125	162564	1.050	0
31		10.500	561	0.000	0
32	PCA1112	10.617	1180	0.005	0
33	EB+PCA1122	11.225	7806	0.011	0
34	XYLMP	11.508	16577	0.011	0
35	XYLO	12.200	9776	0.006	0

Totals :

328619	2.246	

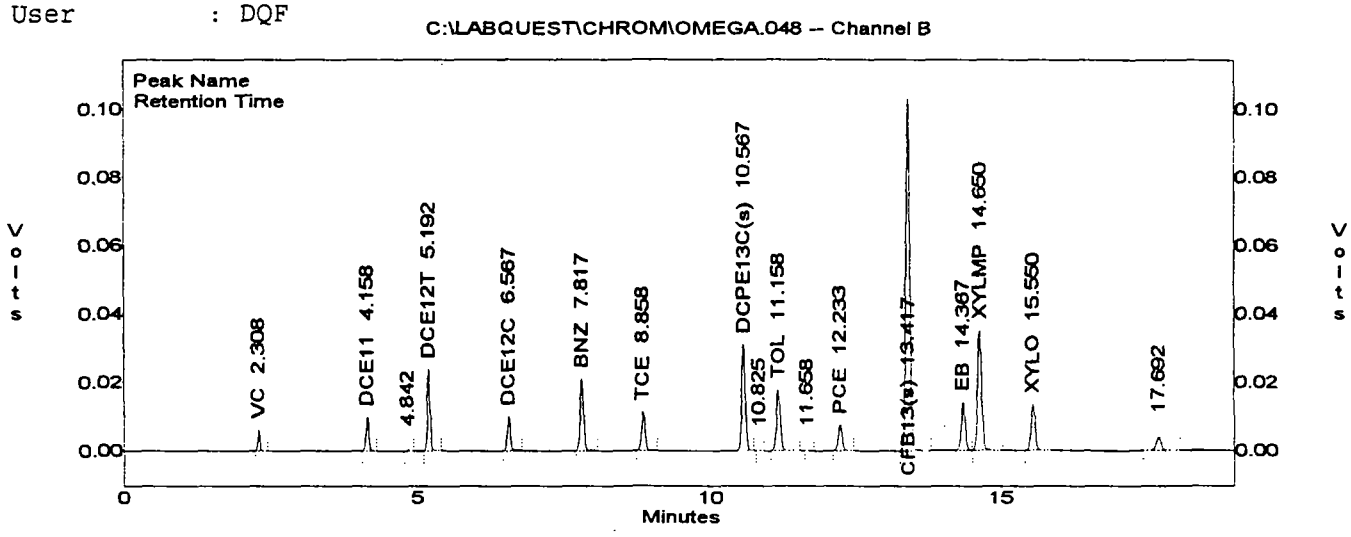
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.048
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L2
Acquired : Nov 15, 1995 16:45:29
Printed : Nov 15, 1995 17:04:51
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.842	75127	0.035	0
2	VC	2.383	91706	0.027	0
3	CLET	3.075	83431	0.057	0
4	F11	3.483	176441	0.024	0
5	DCE11+F113	4.233	245451	0.062	0
6	DCM	4.892	144944	0.041	0
7	DCE12T	5.258	144053	0.031	0
8	DCA11	5.825	158736	0.028	0
9	DCE12C	6.633	115022	0.025	0
10	CLFM	7.100	136219	0.019	0
11	TCA111	7.317	160799	0.025	0
12	CBTC	7.550	226628	0.025	0
13	DCA12	7.917	214200	0.057	0
14	TCE	8.925	168634	0.034	0
15	DCPE13C(s)	10.608	751834	0.956	0
16	TCA112	12.083	87089	0.015	0
17	PCE	12.283	239254	0.044	0
18	CFB13(s)	13.467	446817	3.283	0
19	PCA1112	14.367	171088	0.027	0
20	PCA1122	17.350	136416	0.023	0
Totals :			3973898	4.838	

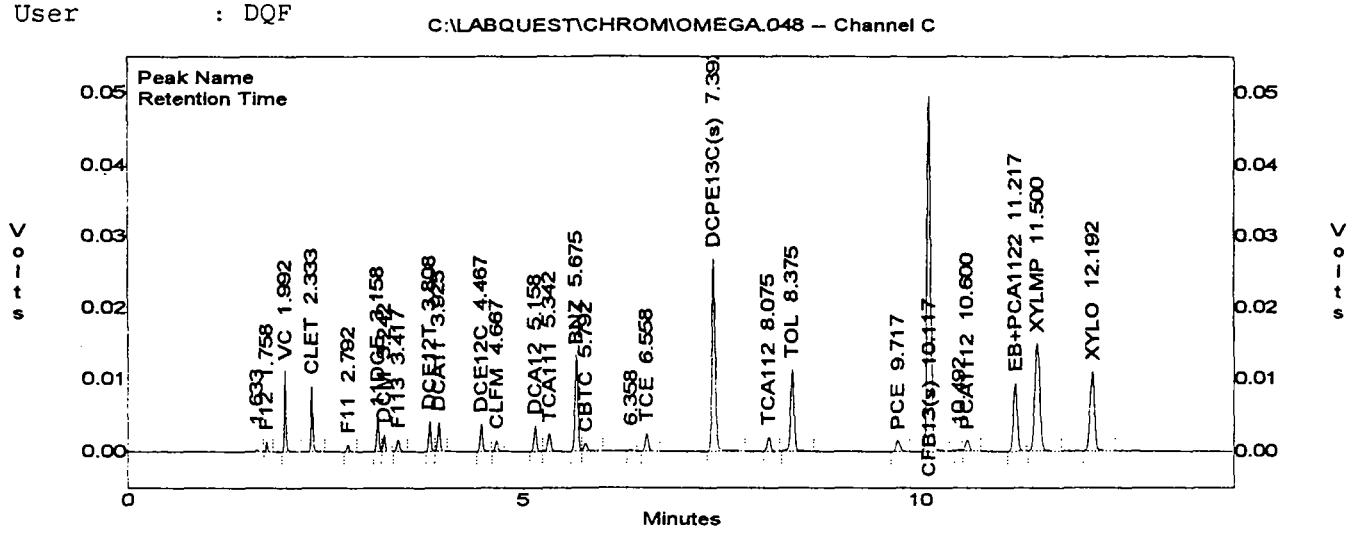
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.048
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L2
Acquired : Nov 15, 1995 16:45:29
Printed : Nov 15, 1995 17:04:56
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.308	14673	0.020	0
2	DCE11	4.158	33370	0.020	0
3		4.842	703	0.000	0
4	DCE12T	5.192	74601	0.020	0
5	DCE12C	6.567	37660	0.019	0
6	BNZ	7.817	87236	0.021	0
7	TCE	8.858	47325	0.020	0
8	DCPE13C(s)	10.567	132696	1.048	0
9		10.825	535	0.000	0
10	TOL	11.158	81548	0.021	0
11		11.658	334	0.000	0
12	PCE	12.233	37513	0.019	0
13	CFB13(s)	13.417	486037	1.066	0
14	EB	14.367	68303	0.020	0
15	XYLMP	14.650	171853	0.042	0
16	XYLO	15.550	66623	0.020	0
17		17.692	25507	0.000	0
Totals :			1366521	2.354	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.048
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L2
Acquired : Nov 15, 1995 16:45:29
Printed : Nov 15, 1995 17:05:01
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	785	0.000	0
2	F12	1.758	1946	0.022	0
3	VC	1.992	14778	0.024	0
4	CLET	2.333	14290	0.024	0
5	F11	2.792	2127	0.022	0
6	11DCE	3.158	8964	0.024	0
7	DCM	3.242	4427	0.010	0
8	F113	3.417	4147	0.021	0
9	DCE12T	3.808	8206	0.021	0
10	DCA11	3.925	8879	0.022	0
11	DCE12C	4.467	8482	0.021	0
12	CLFM	4.667	3379	0.022	0
13	DCA12	5.158	8429	0.021	0
14	TCA111	5.342	6979	0.023	0
15	BNZ	5.675	32930	0.022	0
16	CBTC	5.792	3425	0.026	0
17		6.358	594	0.000	0
18	TCE	6.558	6755	0.022	0
19	DCPE13C(s)	7.392	76023	1.079	0
20	TCA112	8.075	6343	0.021	0
21	TOL	8.375	35286	0.024	0
22	PCE	9.717	5520	0.022	0
23	CFB13(s)	10.117	163518	1.056	0
24		10.492	551	0.000	0
25	PCA1112	10.600	5347	0.022	0
26	EB+PCA1122	11.217	33180	0.046	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.048
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L2
Acquired : Nov 15, 1995 16:45:29
Printed : Nov 15, 1995 17:05:03
User : DQF

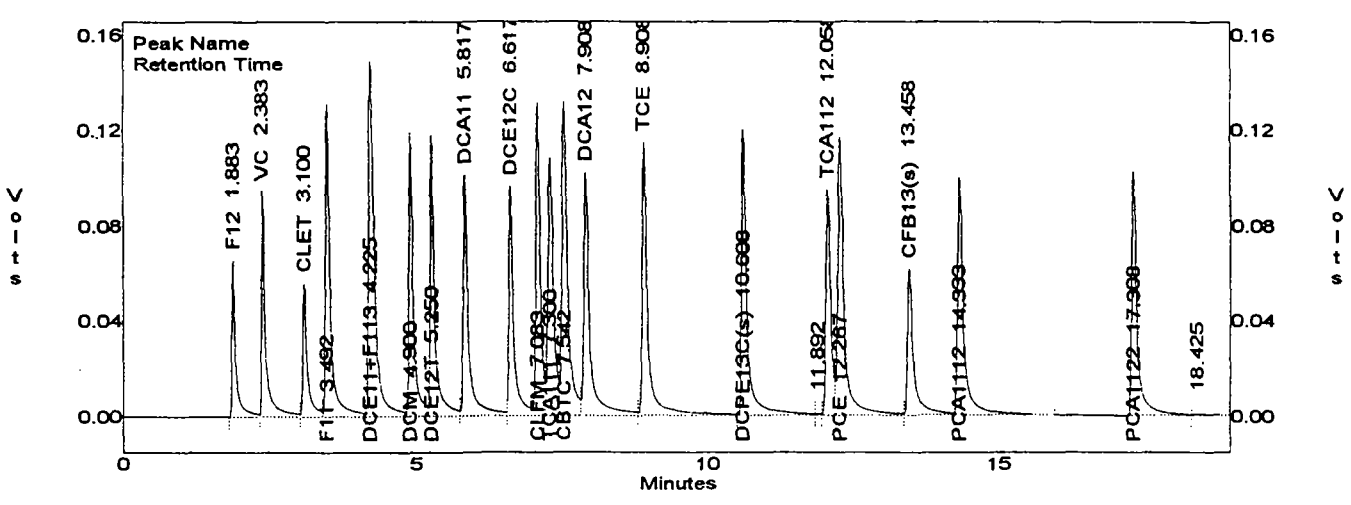
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	XYLMP	11.500	68574	0.047	0
28	XYLO	12.192	40476	0.024	0

Totals :

	574351	2.687

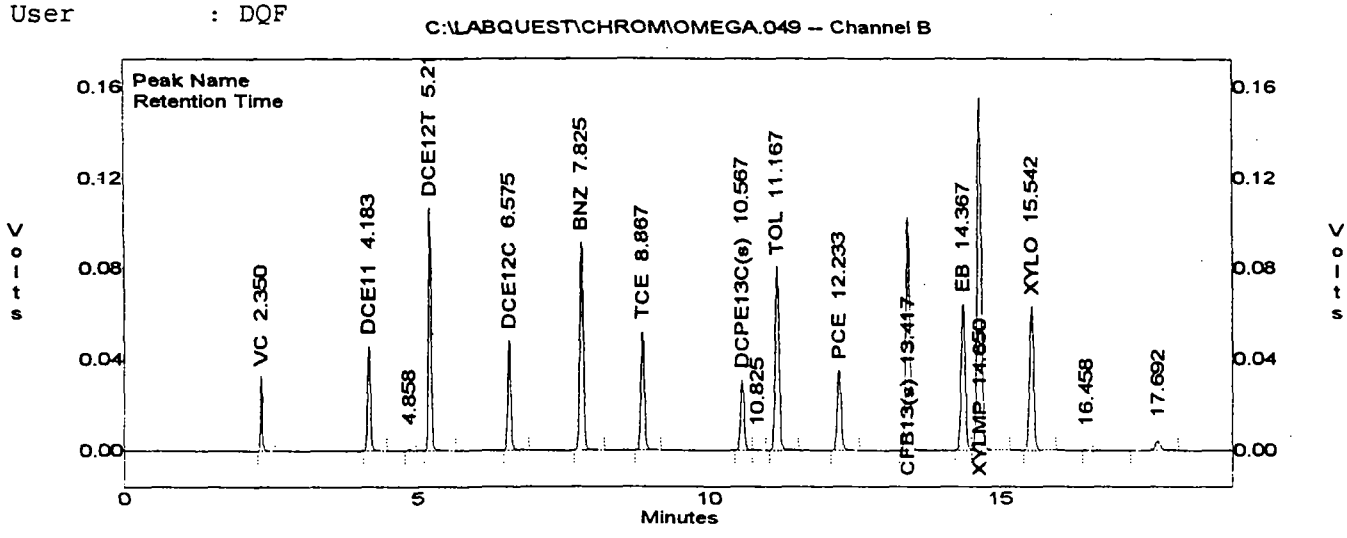
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.049
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L3
Acquired : Nov 15, 1995 17:09:59
Printed : Nov 15, 1995 17:29:22
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.883	298747	0.140	0
2	VC	2.383	454612	0.133	0
3	CLET	3.100	300772	0.206	0
4	F11	3.492	772029	0.105	0
5	DCE11+F113	4.225	1047505	0.265	0
6	DCM	4.900	597806	0.167	0
7	DCE12T	5.250	631380	0.136	0
8	DCA11	5.817	659252	0.115	0
9	DCE12C	6.617	564305	0.121	0
10	CLFM	7.083	695990	0.097	0
11	TCA111	7.300	710819	0.112	0
12	CBTC	7.542	915545	0.102	0
13	DCA12	7.908	734915	0.195	0
14	TCE	8.908	800345	0.161	0
15	DCPE13C(s)	10.608	809778	1.029	0
16		11.892	3806	0.000	0
17	TCA112	12.058	544371	0.095	0
18	PCE	12.267	893460	0.165	0
19	CFB13(s)	13.458	469578	3.450	0
20	PCA1112	14.333	753046	0.120	0
21	PCA1122	17.308	686333	0.118	0
22		18.425	12038	0.000	0
Totals :			13356442	7.034	

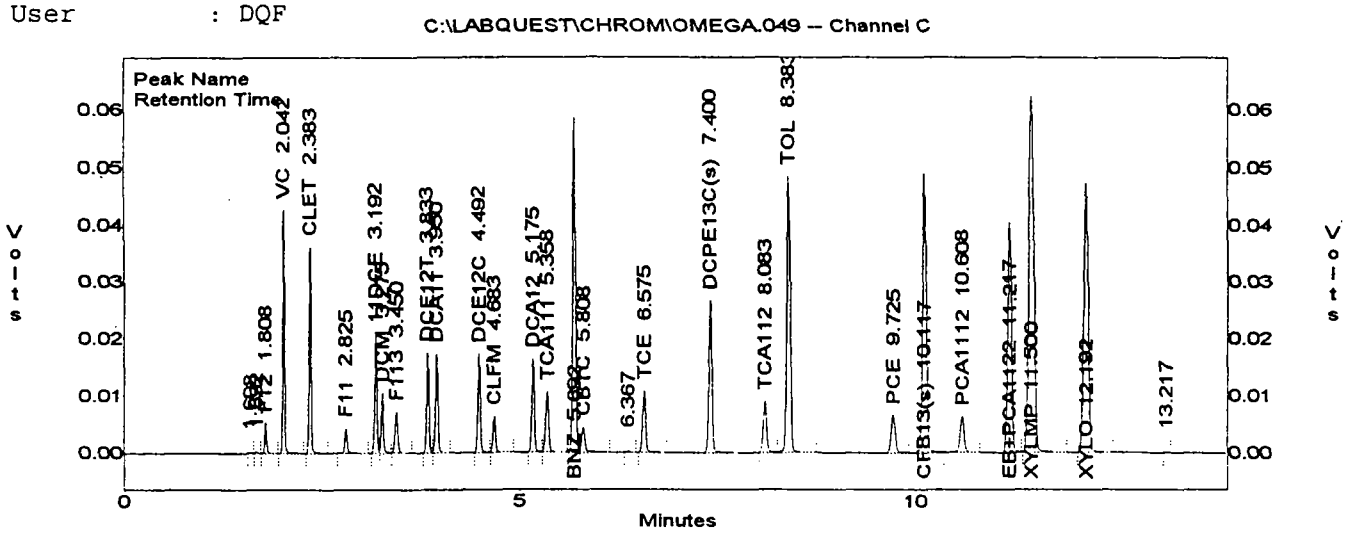
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.049
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L3
Acquired : Nov 15, 1995 17:09:59
Printed : Nov 15, 1995 17:29:28
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.350	70598	0.095	0
2	DCE11	4.183	157803	0.093	0
3		4.858	3055	0.000	0
4	DCE12T	5.217	339969	0.089	0
5	DCE12C	6.575	177719	0.088	0
6	BNZ	7.825	390989	0.092	0
7	TCE	8.867	222899	0.093	0
8	DCPE13C(s)	10.567	133411	1.054	0
9		10.825	1368	0.000	0
10	TOL	11.167	376275	0.096	0
11	PCE	12.233	169795	0.087	0
12	CFB13(s)	13.417	481676	1.056	0
13	EB	14.367	319146	0.093	0
14	XYLMP	14.650	775512	0.190	0
15	XYLO	15.542	314080	0.093	0
16		16.458	369	0.000	0
17		17.692	27203	0.000	0
Totals :			3961871	3.221	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.049
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L3
Acquired : Nov 15, 1995 17:09:59
Printed : Nov 15, 1995 17:29:33
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.608	324	0.000	0
2		1.692	753	0.000	0
3	F12	1.808	8692	0.100	0
4	VC	2.042	63262	0.101	0
5	CLET	2.383	61450	0.105	0
6	F11	2.825	9827	0.103	0
7	11DCE	3.192	38874	0.106	0
8	DCM	3.275	20350	0.048	0
9	F113	3.450	18514	0.096	0
10	DCE12T	3.833	36297	0.092	0
11	DCA11	3.950	38743	0.095	0
12	DCE12C	4.492	37470	0.093	0
13	CLFM	4.683	15620	0.100	0
14	DCA12	5.175	37337	0.093	0
15	TCA111	5.358	29911	0.096	0
16	BNZ	5.692	142183	0.094	0
17	CBTC	5.808	14074	0.108	0
18		6.367	648	0.000	0
19	TCE	6.575	30447	0.098	0
20	DCPE13C(s)	7.400	76033	1.079	0
21	TCA112	8.083	28089	0.093	0
22	TOL	8.383	149509	0.100	0
23	PCE	9.725	22898	0.093	0
24	CFB13(s)	10.117	164115	1.060	0
25	PCA1112	10.608	24439	0.101	0
26	EB+PCA1122	11.217	141018	0.195	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.049
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L3
uired : Nov 15, 1995 17:09:59
inted : Nov 15, 1995 17:29:35
User : DQF

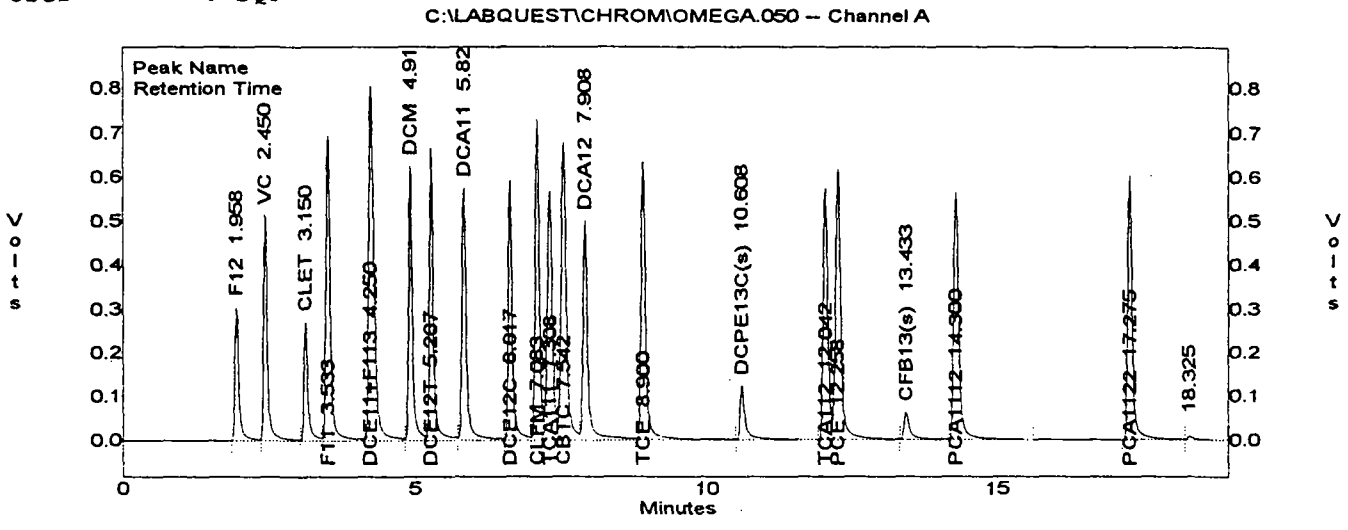
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	XYLMP	11.500	290040	0.197	0
28	XYLO	12.192	170683	0.101	0
29		13.217	217	0.000	0

Totals :

1671828	4.545	

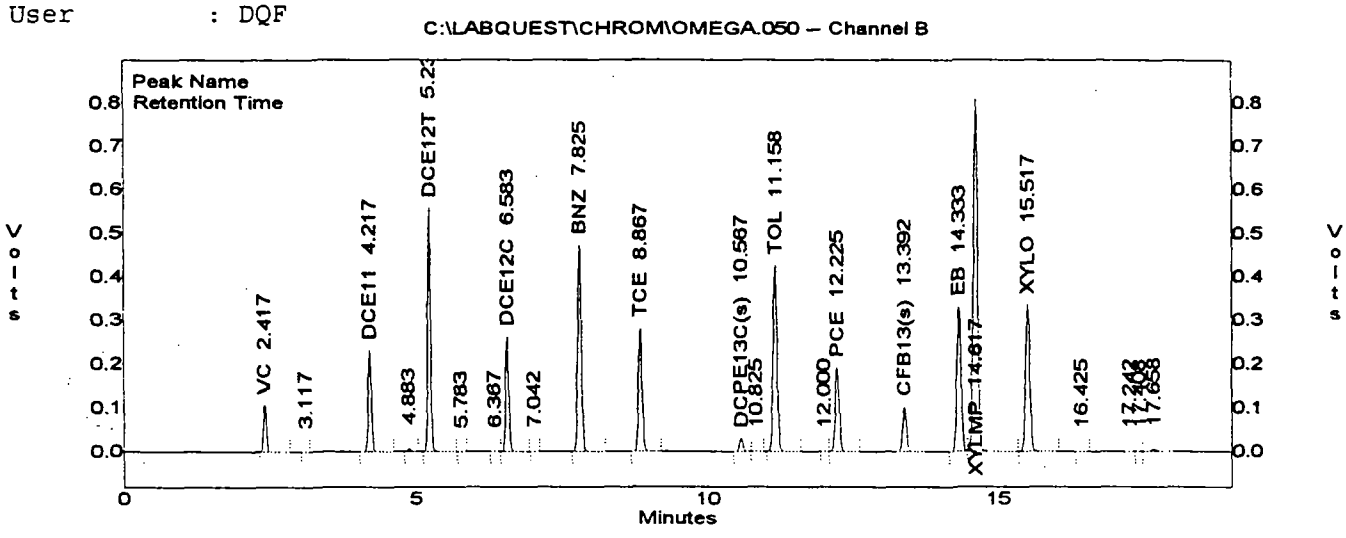
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.050
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L4
Acquired : Nov 15, 1995 17:34:29
Printed : Nov 15, 1995 17:53:50
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.958	1506876	0.708	0
2	VC	2.450	2368860	0.692	0
3	CLET	3.150	1302419	0.892	0
4	F11	3.533	3769437	0.515	0
5	DCE11+F113	4.250	5069143	1.283	0
6	DCM	4.917	2735057	0.766	0
7	DCE12T	5.267	2991073	0.643	0
8	DCA11	5.825	3092499	0.538	0
9	DCE12C	6.617	2872670	0.617	0
10	CLFM	7.083	3638833	0.505	0
11	TCA111	7.308	3471341	0.549	0
12	CBTC	7.542	4235840	0.473	0
13	DCA12	7.908	2885329	0.767	0
14	TCE	8.900	3645711	0.733	0
15	DCPE13C(s)	10.608	834014	1.060	0
16	TCA112	12.042	3141110	0.550	0
17	PCE	12.258	4027898	0.744	0
18	CFB13(s)	13.433	469663	3.450	0
19	PCA1112	14.300	3647770	0.581	0
20	PCA1122	17.275	3463445	0.596	0
21		18.325	73278	0.000	0
Totals :			59242284	16.661	

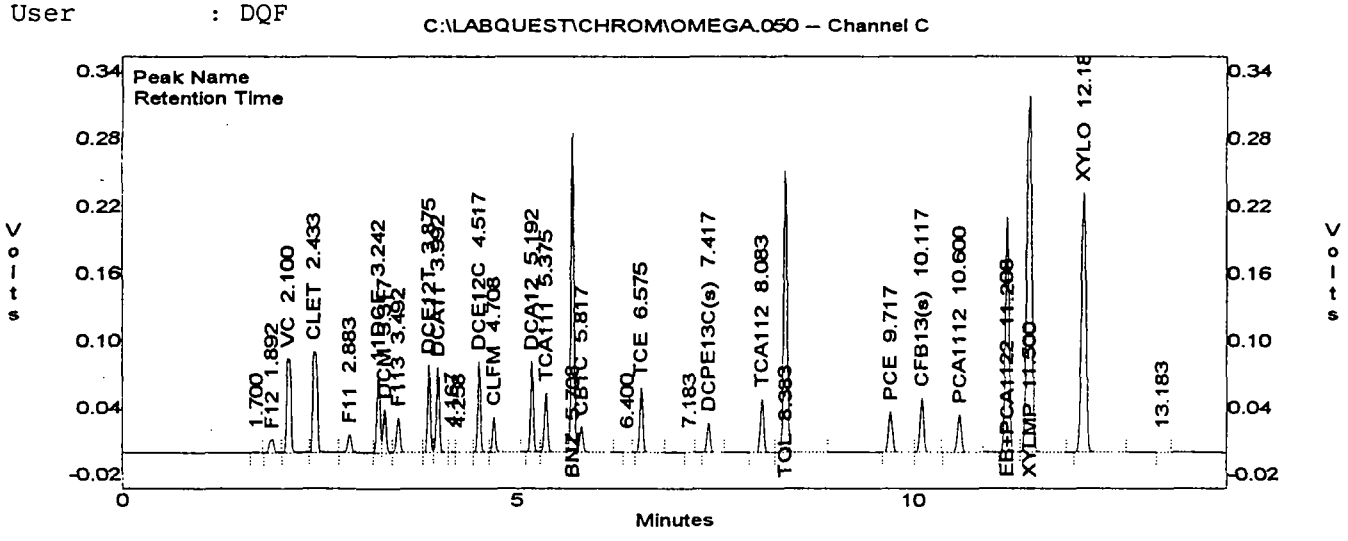
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.050
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L4
Acquired : Nov 15, 1995 17:34:29
Printed : Nov 15, 1995 17:53:56
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.417	389187	0.526	0
2		3.117	1316	0.000	0
3	DCE11	4.217	871057	0.513	0
4		4.883	17729	0.000	0
5	DCE12T	5.233	1850784	0.486	0
6		5.783	1384	0.000	0
7		6.367	1338	0.000	0
8	DCE12C	6.583	984282	0.487	0
9		7.042	571	0.000	0
10	BNZ	7.825	2061877	0.485	0
11	TCE	8.867	1220213	0.508	0
12	DCPE13C(s)	10.567	132016	1.043	0
13		10.825	1259	0.000	0
14	TOL	11.158	2014110	0.515	0
15		12.000	508	0.000	0
16	PCE	12.225	934840	0.481	0
17	CFB13(s)	13.392	473961	1.039	0
18	EB	14.333	1676786	0.491	0
19	XYLMP	14.617	4036108	0.989	0
20	XYLO	15.517	1691405	0.500	0
21		16.425	2217	0.000	0
22		17.242	773	0.000	0
23		17.408	627	0.000	0
24		17.658	26304	0.000	0
Totals :			18390662	8.064	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.050
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L4
Acquired : Nov 15, 1995 17:34:29
Printed : Nov 15, 1995 17:54:01
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	1796	0.000	0
2	F12	1.892	47836	0.548	0
3	VC	2.100	333135	0.533	0
4	CLET	2.433	324134	0.553	0
5	F11	2.883	55100	0.578	0
6	11DCE	3.242	207953	0.565	0
7	DCM	3.317	106905	0.250	0
8	F113	3.492	98972	0.513	0
9	DCE12T	3.875	196433	0.495	0
10	DCA11	3.992	203560	0.498	0
11		4.167	2181	0.000	0
12		4.258	2046	0.000	0
13	DCE12C	4.517	200546	0.495	0
14	CLFM	4.708	83125	0.530	0
15	DCA12	5.192	199904	0.495	0
16	TCA111	5.375	153683	0.496	0
17	BNZ	5.708	737900	0.486	0
18	CBTC	5.817	70402	0.542	0
19		6.400	576	0.000	0
20	TCE	6.575	161023	0.521	0
21		7.183	568	0.000	0
22	DCPE13C(s)	7.417	74613	1.059	0
23	TCA112	8.083	149269	0.497	0
24	TOL	8.383	772337	0.516	0
25	PCE	9.717	123350	0.502	0
26	CFB13(s)	10.117	162021	1.046	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.050
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : IC951115L4
Acquired : Nov 15, 1995 17:34:29
Printed : Nov 15, 1995 17:54:03
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	PCA1112	10.600	121988	0.505	0
28	EB+PCA1122	11.208	724422	1.002	0
29	XYLMP	11.500	1465288	0.994	0
30	XYLO	12.183	860048	0.508	0
31		13.183	1482	0.000	0

Totals :

7642612	14.728	

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

Printed : Nov 15, 1995 18:13:25

Channel : A

Peak : F12

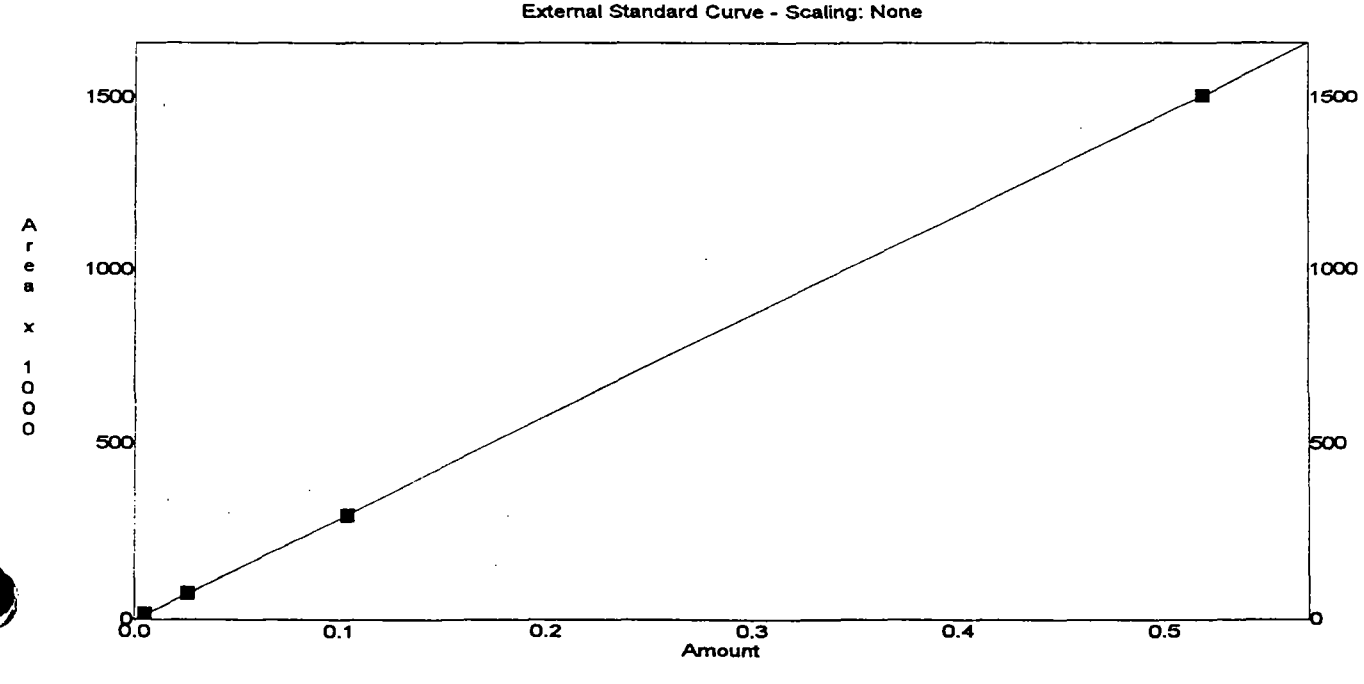
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	15376	0.00519	3.376e-007	15376					
2	75128	0.0259	3.447e-007	75128					
3	298747	0.104	3.481e-007	298747					
4	1506877	0.519	3.444e-007	1506877					

Average RF: 3.4371e-007
RF StdDev: 4.43395e-009
RF %RSD: 1.29003

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

Linear Fit: Amount = 3.446e-007 x Area + 0.000e+000
R^2 = 1.0000



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:14:15
Channel : A
Peak : VC

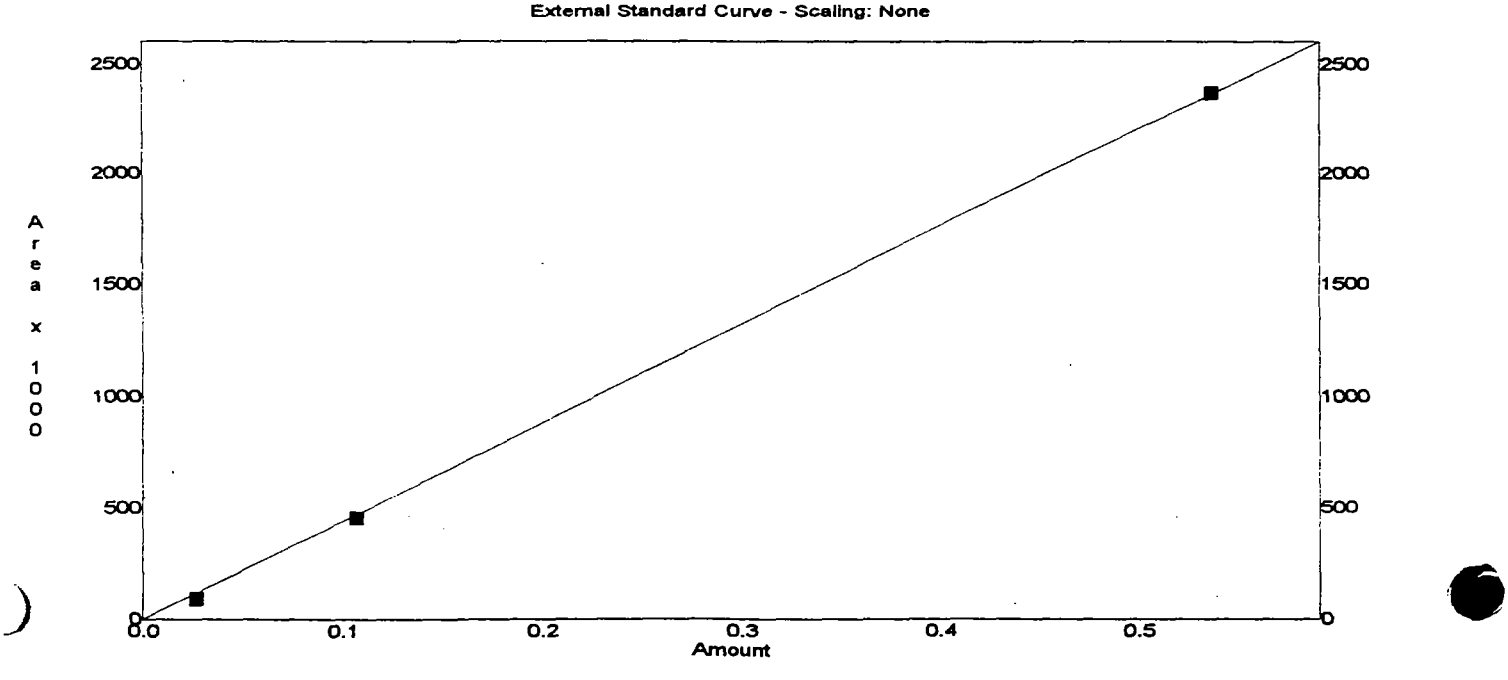
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	91706	0.0268	2.922e-007	91706					
3	454613	0.107	2.354e-007	454613					
4	2368860	0.536	2.263e-007	2368860					

Average RF: 2.51291e-007
RF StdDev: 3.57515e-008
RF %RSD: 14.2272

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

Linear Fit: Amount = 2.267e-007 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:14:36
Channel : A
Peak : CLET

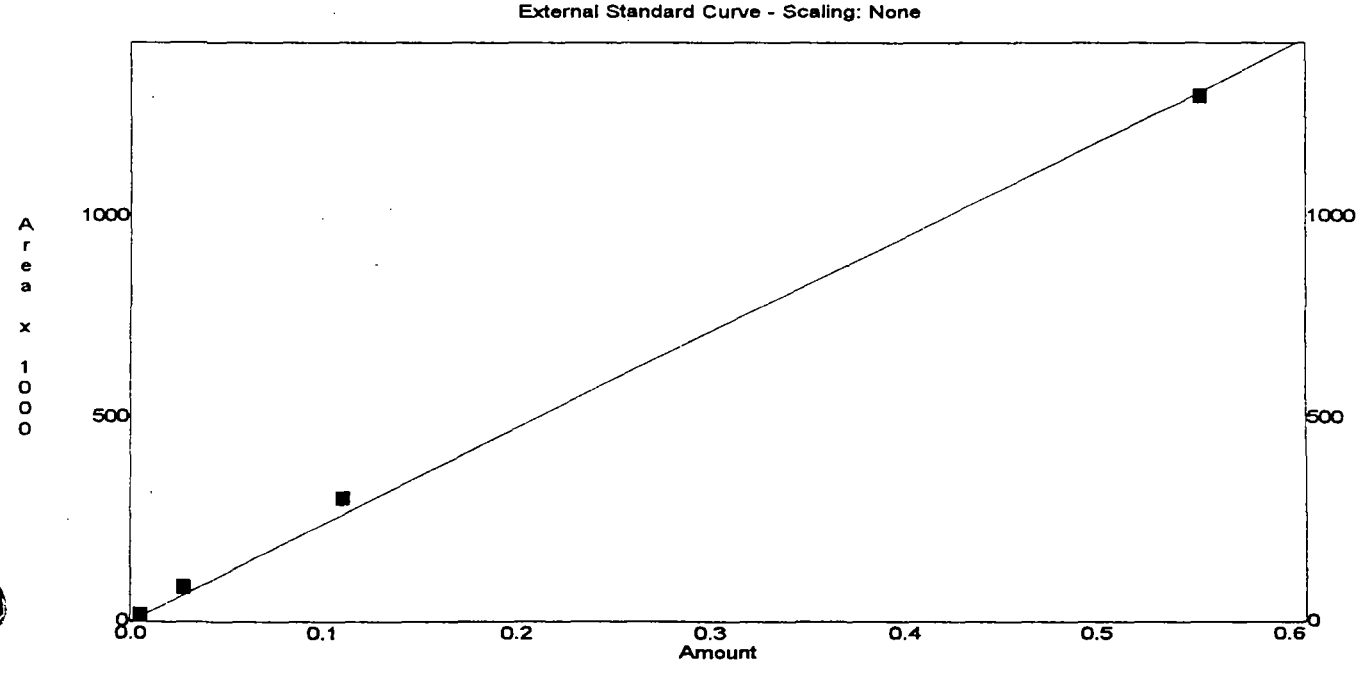
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	17267	0.00554	3.208e-007	17267					
2	83431	0.0277	3.32e-007	83431					
3	300772	0.111	3.691e-007	300772					
4	1302420	0.554	4.254e-007	1302420					

Average RF: 3.61818e-007
RF StdDev: 4.71069e-008
RF %RSD: 13.0195

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

Linear Fit: Amount = 4.221e-007 x Area + 0.000e+000
R^2 = 0.9983



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:15:04
Channel : A
Peak : F11

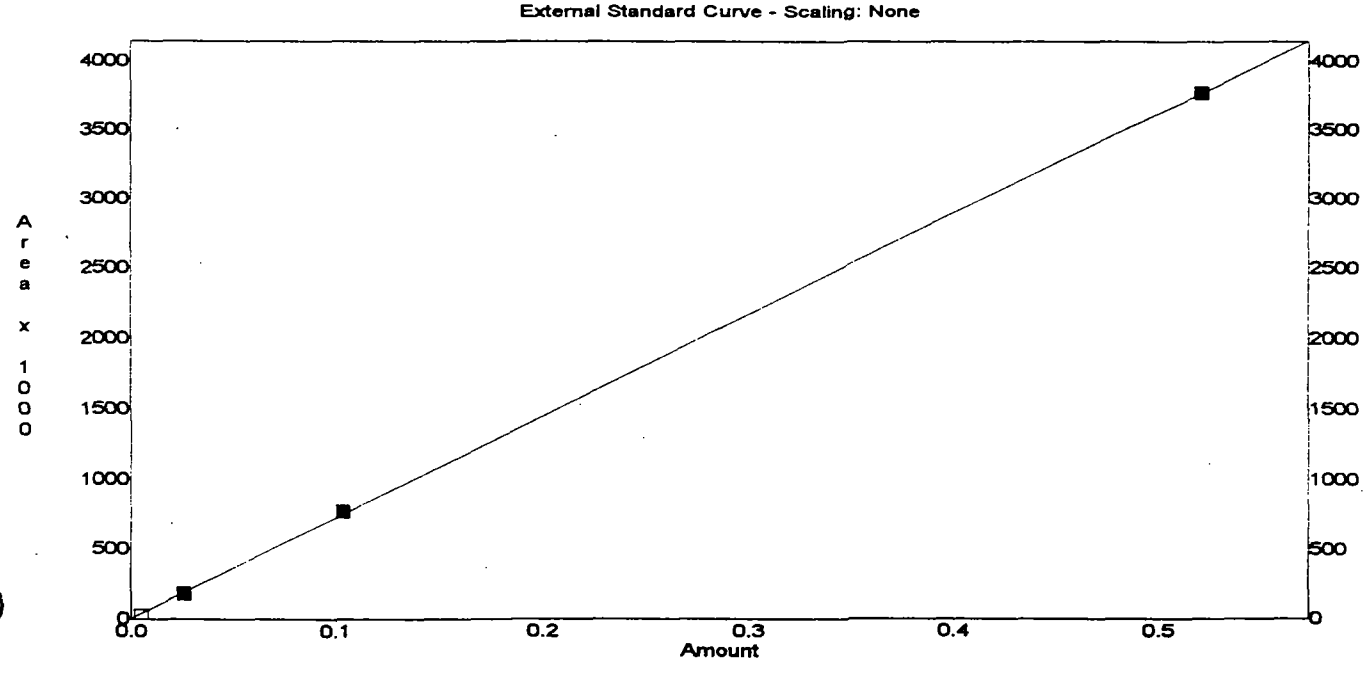
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	16830	0.00521	3.096e-007	16830*					
2	176442	0.0261	1.479e-007	176442					
3	772030	0.104	1.347e-007	772030					
4	3769438	0.521	1.382e-007	3769438					

Average RF: 1.40284e-007
RF StdDev: 6.84539e-009
RF %RSD: 4.87967

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

Linear Fit: Amount = 1.381e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:15:15
Channel : A
Peak : DCM

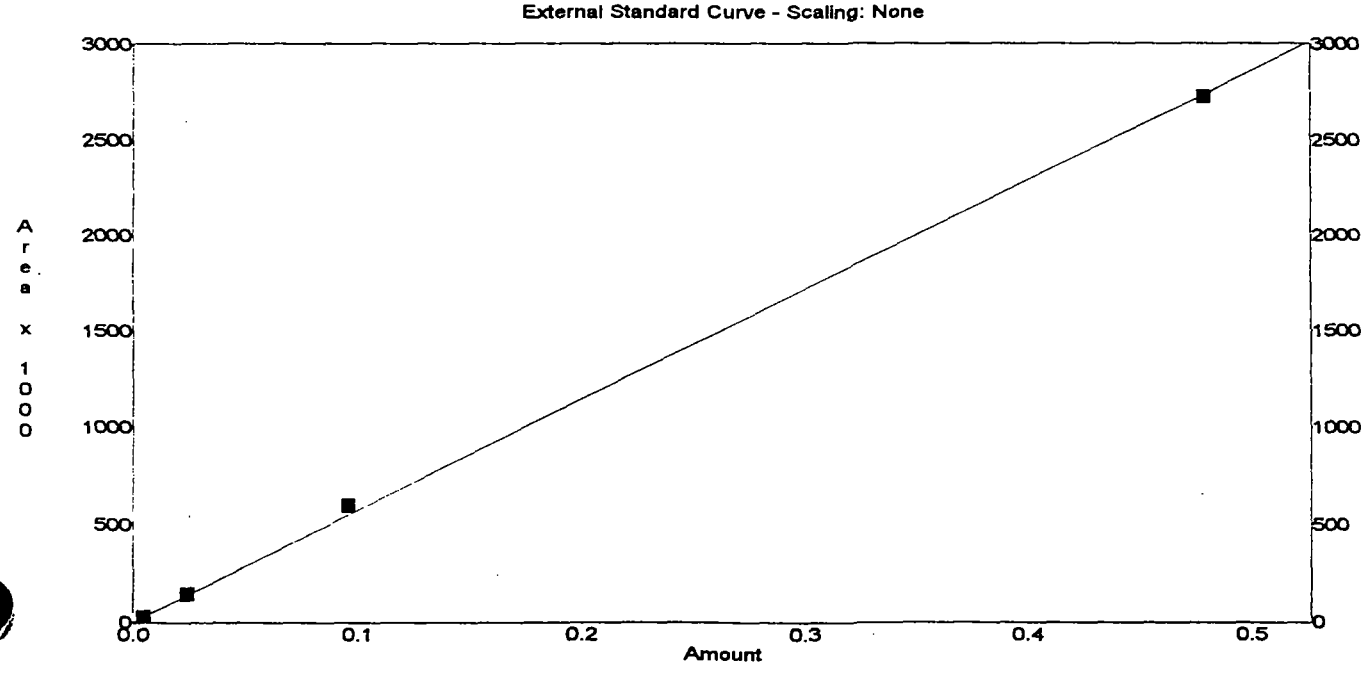
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	29741	0.00479	1.611e-007	29741					
2	144944	0.024	1.656e-007	144944					
3	597806	0.096	1.606e-007	597806					
4	2735057	0.479	1.751e-007	2735057					

Average RF: 1.65589e-007
RF StdDev: 6.74937e-009
RF %RSD: 4.07597

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

Linear Fit: Amount = 1.744e-007 x Area + 0.000e+000
R^2 = 0.9995



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:15:25
Channel : A
Peak : DCE12T

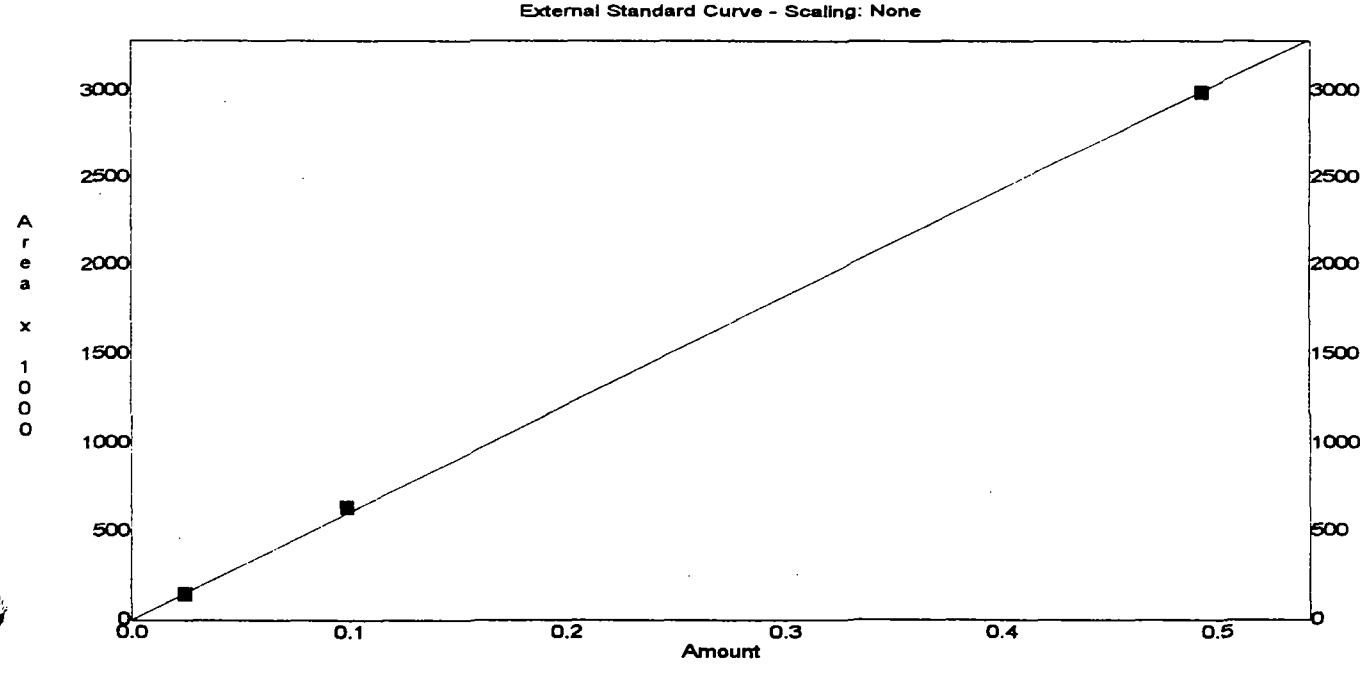
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	144054	0.0246	1.708e-007	144054					
3	631381	0.099	1.568e-007	631381					
4	2991074	0.493	1.648e-007	2991074					

Average RF: 1.64131e-007
RF StdDev: 7.01092e-009
RF %RSD: 4.27154

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

Linear Fit: Amount = 1.645e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:15:58
Channel : A
Peak : DCE12C

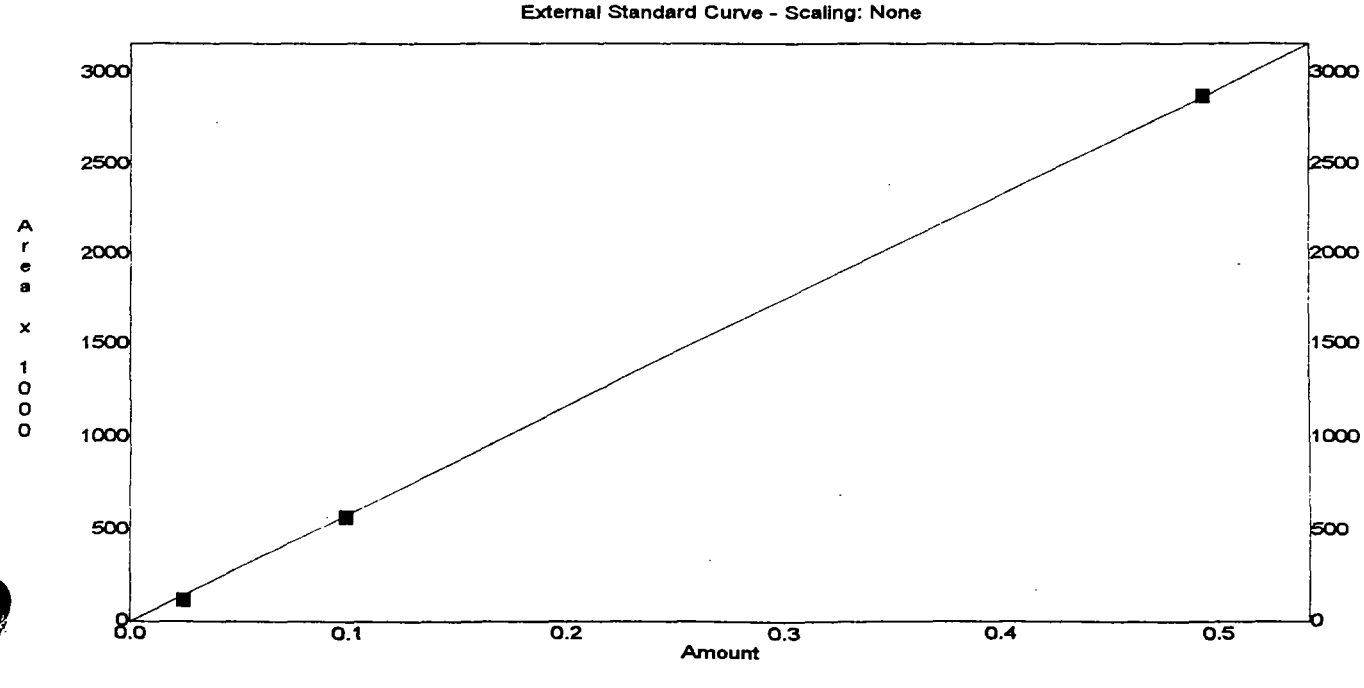
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	115022	0.0246	2.139e-007	115022					
3	564306	0.099	1.754e-007	564306					
4	2872670	0.493	1.716e-007	2872670					

Average RF: 1.86975e-007
RF StdDev: 2.33711e-008
RF %RSD: 12.4995

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

Linear Fit: Amount = 1.718e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:16:14
Channel : A
Peak : CLFM

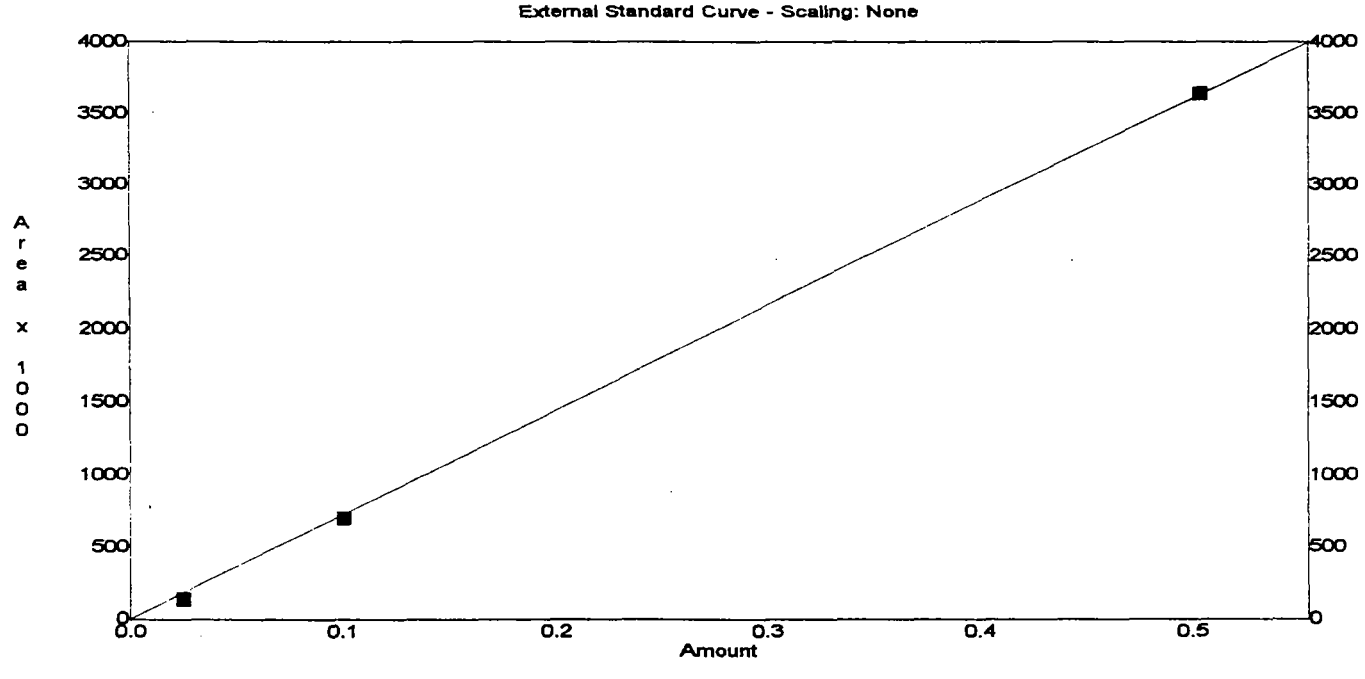
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	136220	0.0252	1.85e-007	136220					
3	695990	0.101	1.451e-007	695990					
4	3638833	0.504	1.385e-007	3638833					

Average RF: 1.56206e-007
RF StdDev: 2.51504e-008
RF %RSD: 16.1008

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

Linear Fit: Amount = 1.388e-007 x Area + 0.000e+000
R^2 = 0.9995



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

Printed : Nov 15, 1995 18:16:26

Channel : A

Peak : TCA111

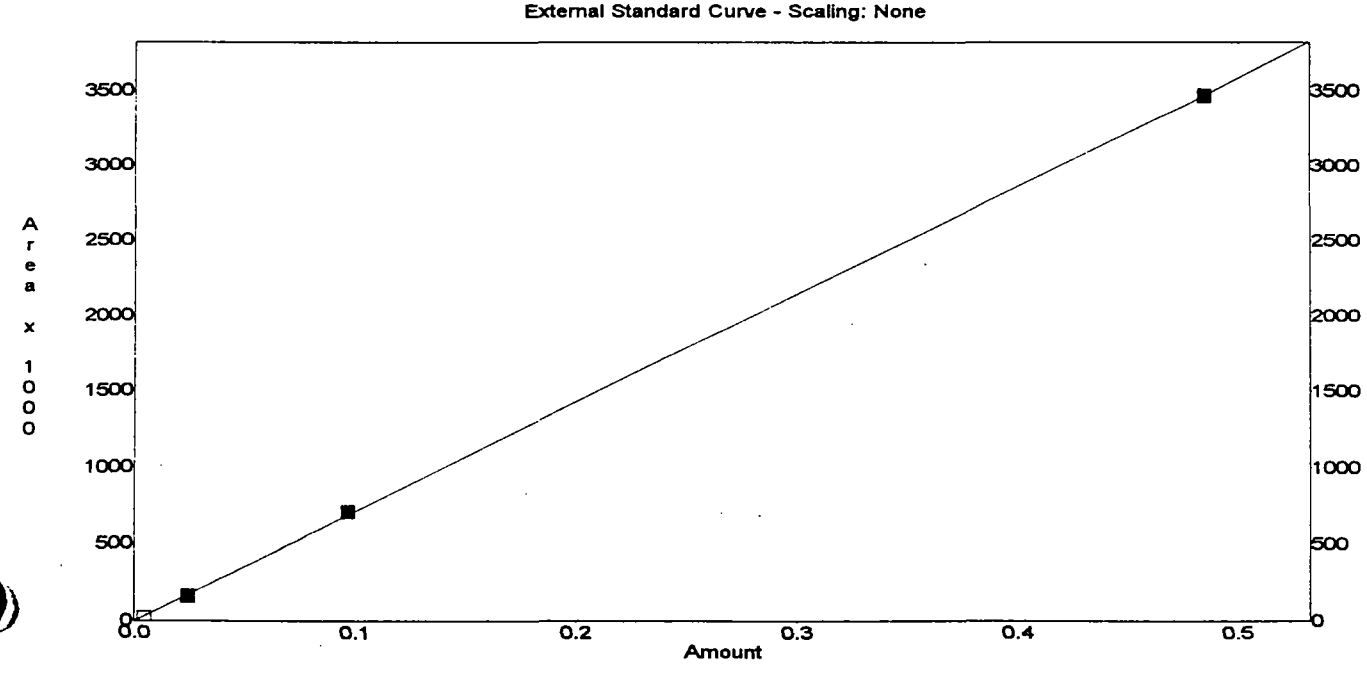
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	16131	0.00485	3.007e-007	16131*					
2	160799	0.0242	1.505e-007	160799					
3	710819	0.097	1.365e-007	710819					
4	3471341	0.485	1.397e-007	3471341					

Average RF: 1.42225e-007
RF StdDev: 7.34684e-009
RF %RSD: 5.16564

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

Linear Fit: Amount = 1.396e-007 x Area + 0.000e+000
R^2 = 0.9999



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

Printed : Nov 15, 1995 18:17:00

Channel : A

Peak : CBTC

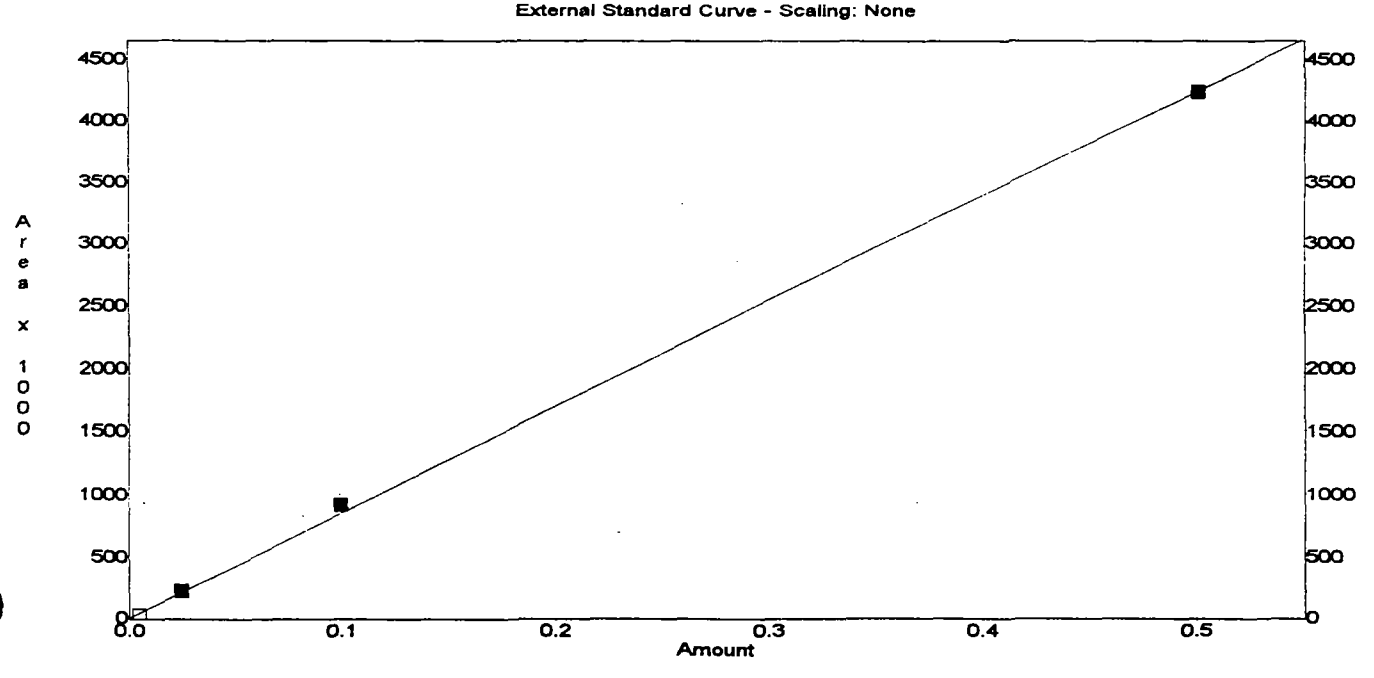
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	21562	0.00501	2.323e-007	21562*					
2	226629	0.0251	1.108e-007	226629					
3	915546	0.1	1.092e-007	915546					
4	4235841	0.501	1.183e-007	4235841					

Average RF: 1.12752e-007
RF StdDev: 4.84537e-009
RF %RSD: 4.29739

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

Linear Fit: Amount = 1.179e-007 x Area + 0.000e+000
R^2 = 0.9995



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

Printed : Nov 15, 1995 18:17:57

Channel : A

Peak : TCE

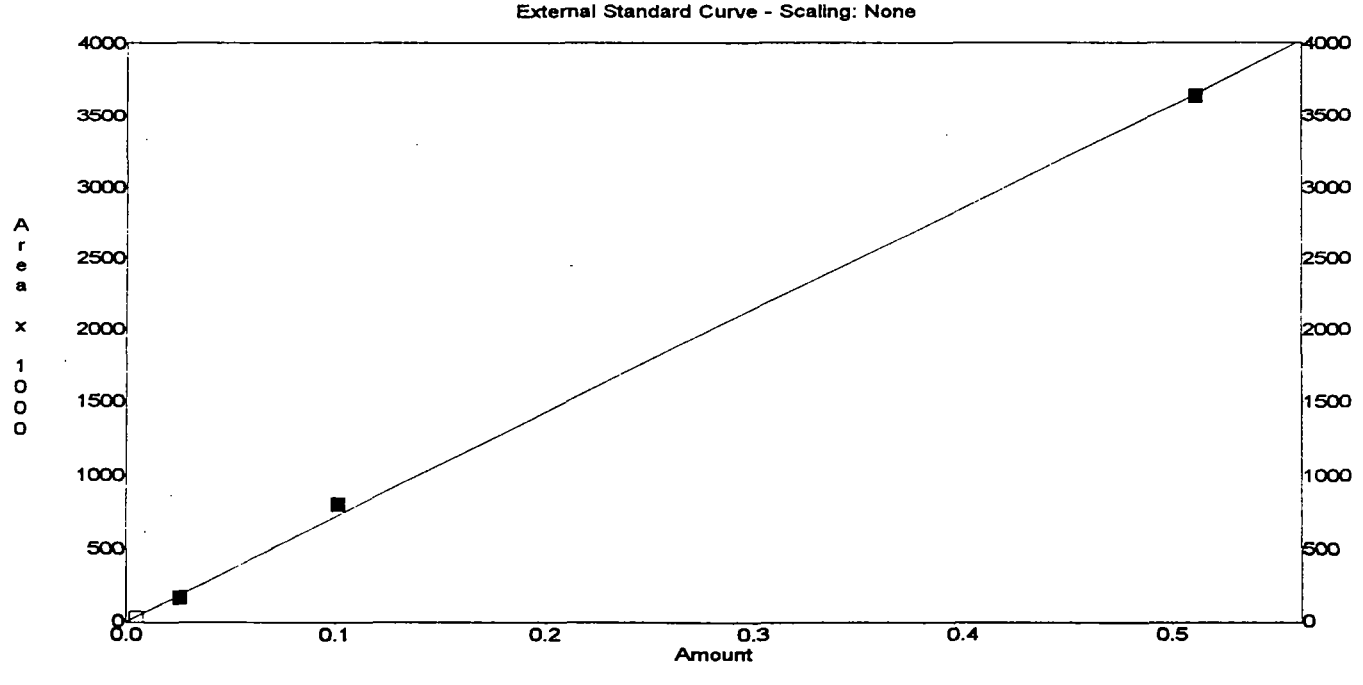
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	22916	0.00512	2.234e-007	22916*					
2	168634	0.0256	1.518e-007	168634					
3	800346	0.102	1.274e-007	800346					
4	3645712	0.512	1.404e-007	3645712					

Average RF: 1.39897e-007
RF StdDev: 1.21904e-008
RF %RSD: 8.71386

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

Linear Fit: Amount = 1.399e-007 x Area + 0.000e+000
R^2 = 0.9992



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:18:44
Channel : A
Peak : PCE

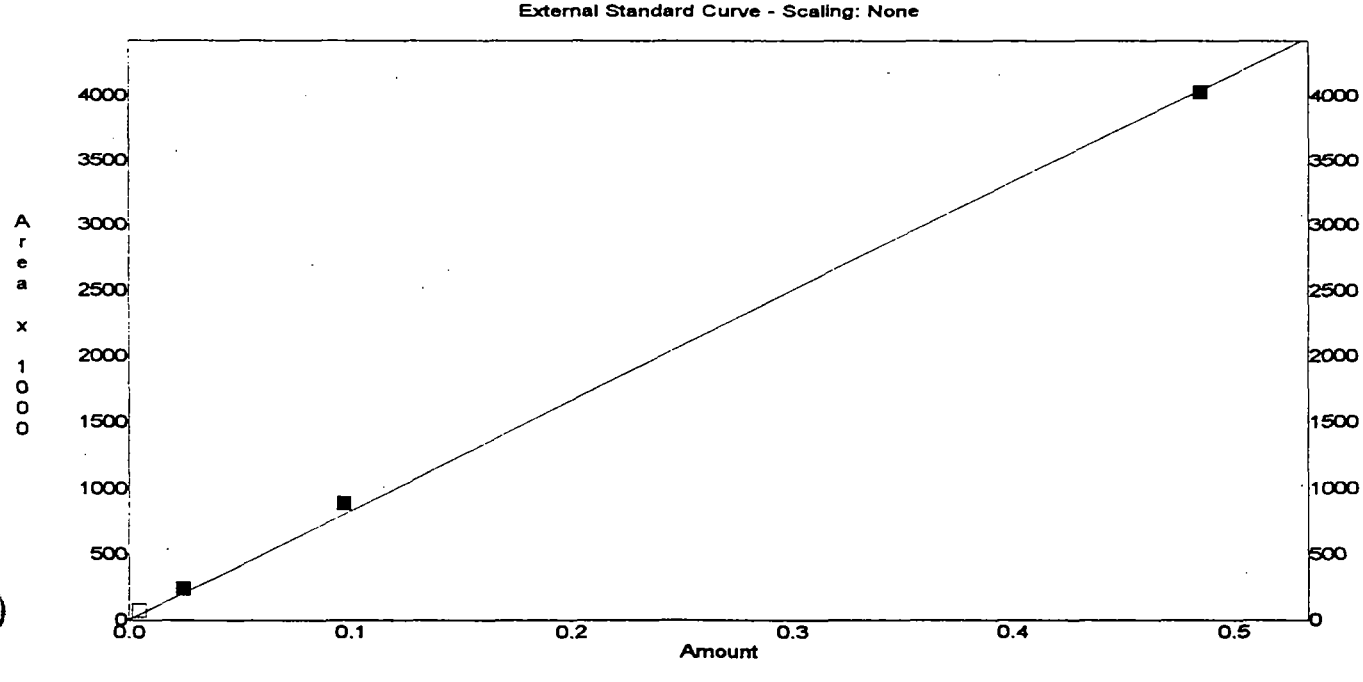
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	70127	0.00485	6.916e-008	70127*					
2	239254	0.0243	1.016e-007	239254					
3	893461	0.097	1.086e-007	893461					
4	4027898	0.485	1.204e-007	4027898					

Average RF: 1.10181e-007
RF StdDev: 9.5254e-009
RF %RSD: 8.64524

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

Linear Fit: Amount = 1.198e-007 x Area + 0.000e+000
R^2 = 0.9990



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:18:56
Channel : A
Peak : PCA1112

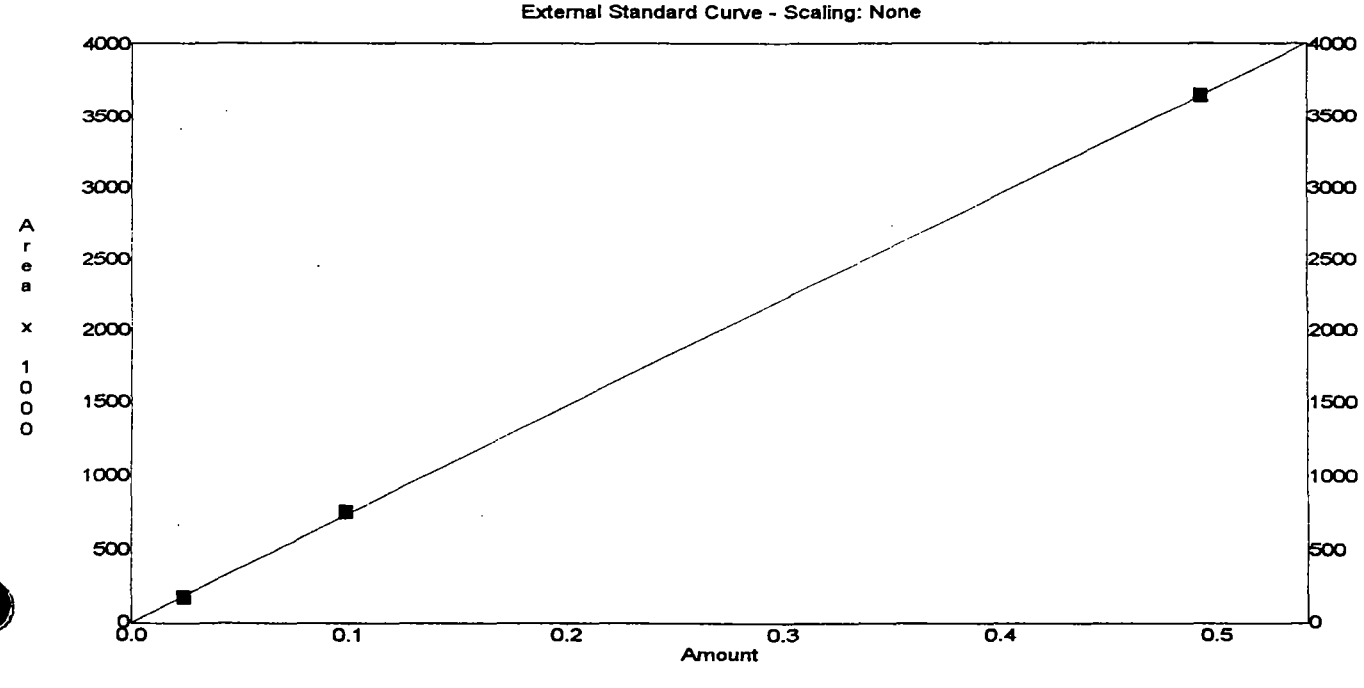
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	171089	0.0247	1.444e-007	171089					
3	753047	0.099	1.315e-007	753047					
4	3647770	0.493	1.352e-007	3647770					

Average RF: 1.36996e-007
RF StdDev: 6.64668e-009
RF %RSD: 4.85175

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

Linear Fit: Amount = 1.350e-007 x Area + 0.000e+000
R^2 = 0.9999



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 15, 1995 18:19:08
Channel : A
Peak : PCA1122

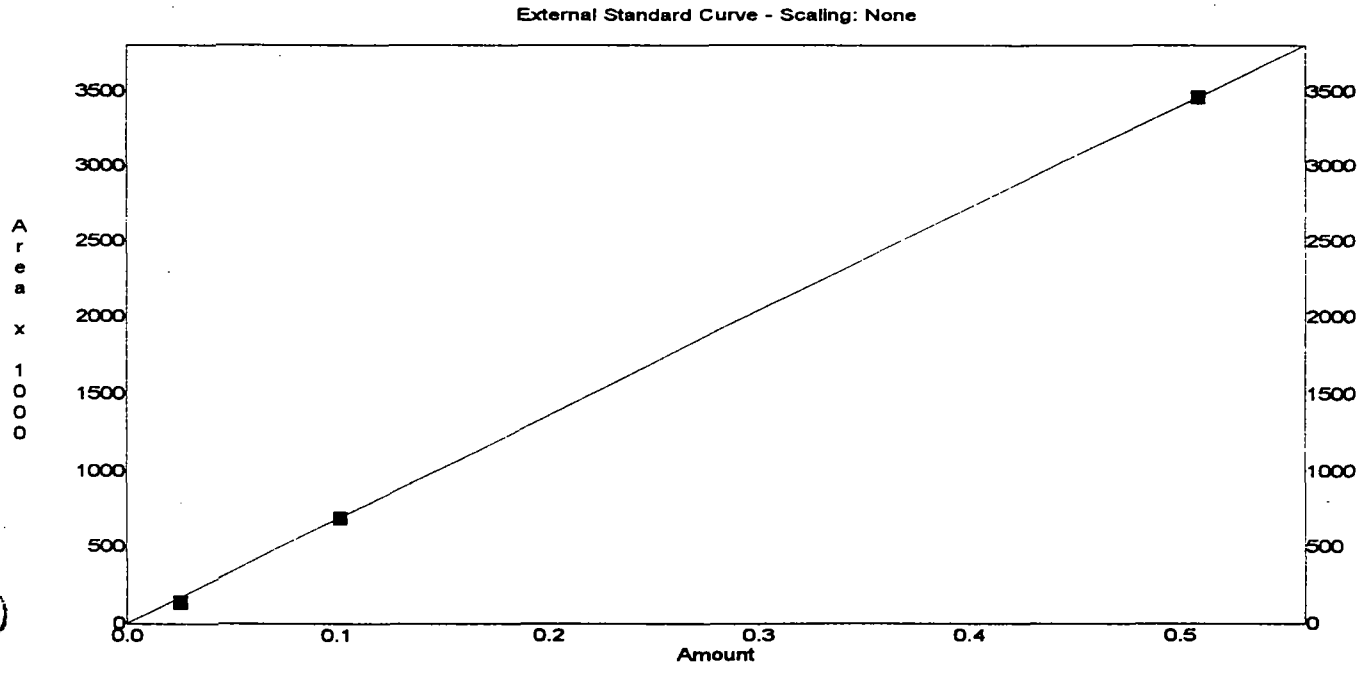
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
2	136417	0.0254	1.862e-007	136417					
3	686334	0.102	1.486e-007	686334					
4	3463446	0.509	1.47e-007	3463446					

Average RF: 1.60591e-007
RF StdDev: 2.21884e-008
RF %RSD: 13.8167

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

Linear Fit: Amount = 1.471e-007 x Area + 0.000e+000
R^2 = 0.9998



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

Printed : Nov 16, 1995 10:21:56

Channel : B

Peak : DCE11

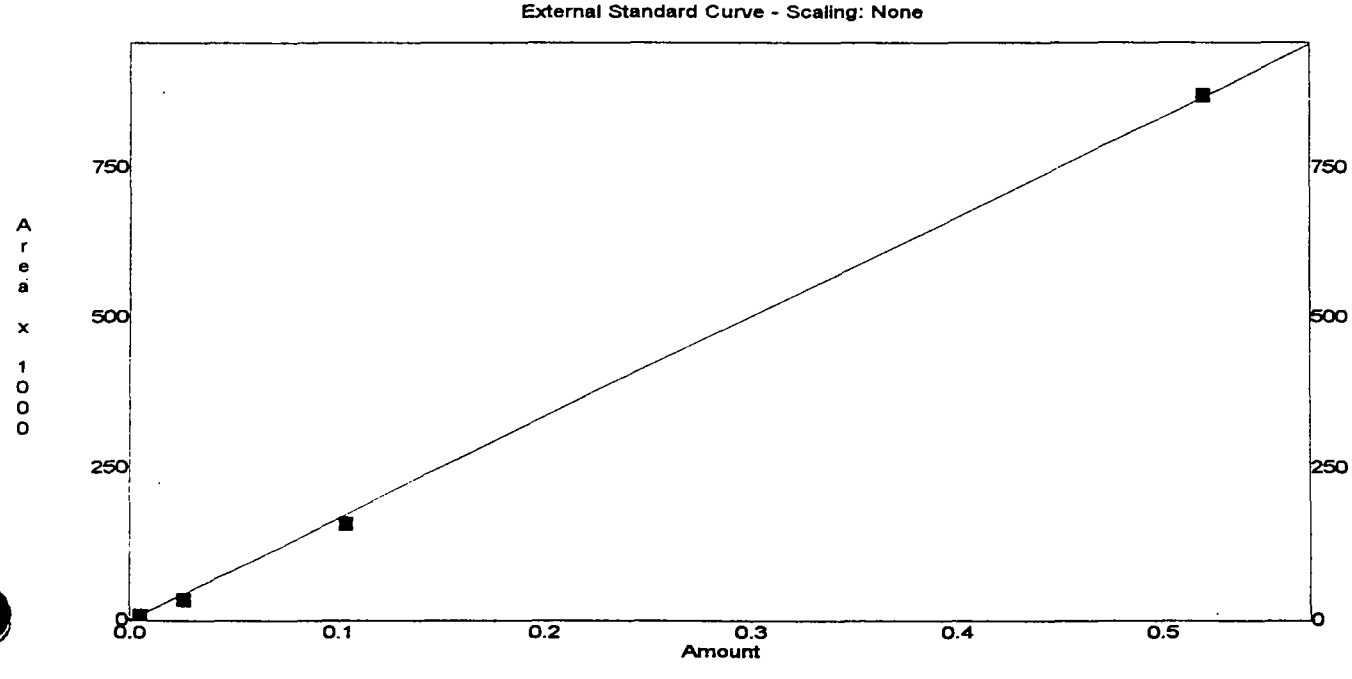
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	7041	0.0052	7.385e-007	7041					
2	33371	0.026	7.791e-007	33371					
3	157804	0.104	6.59e-007	157804					
4	871057	0.52	5.97e-007	871057					

Average RF: 6.9342e-007
RF StdDev: 8.13704e-008
RF %RSD: 11.7347

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

Linear Fit: Amount = 5.992e-007 x Area + 0.000e+000
R^2 = 0.9993



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:22:06
Channel : B
Peak : BNZ

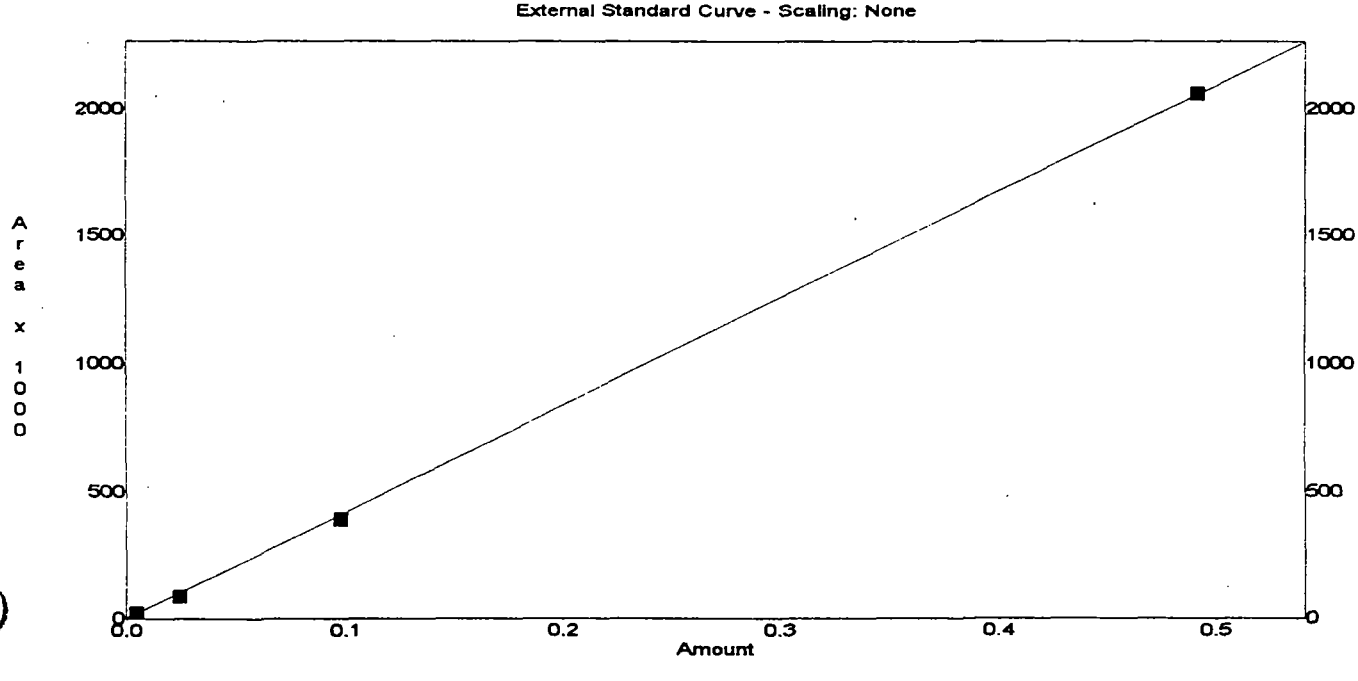
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	19862	0.00492	2.477e-007	19862					
2	87236	0.0246	2.82e-007	87236					
3	390989	0.098	2.506e-007	390989					
4	2061877	0.492	2.386e-007	2061877					

Average RF: 2.54742e-007
RF StdDev: 1.88758e-008
RF %RSD: 7.40977

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

Linear Fit: Amount = 2.391e-007 x Area + 0.000e+000
R^2 = 0.9998



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

Printed : Nov 16, 1995 10:22:16

Channel : B

Peak : TOL

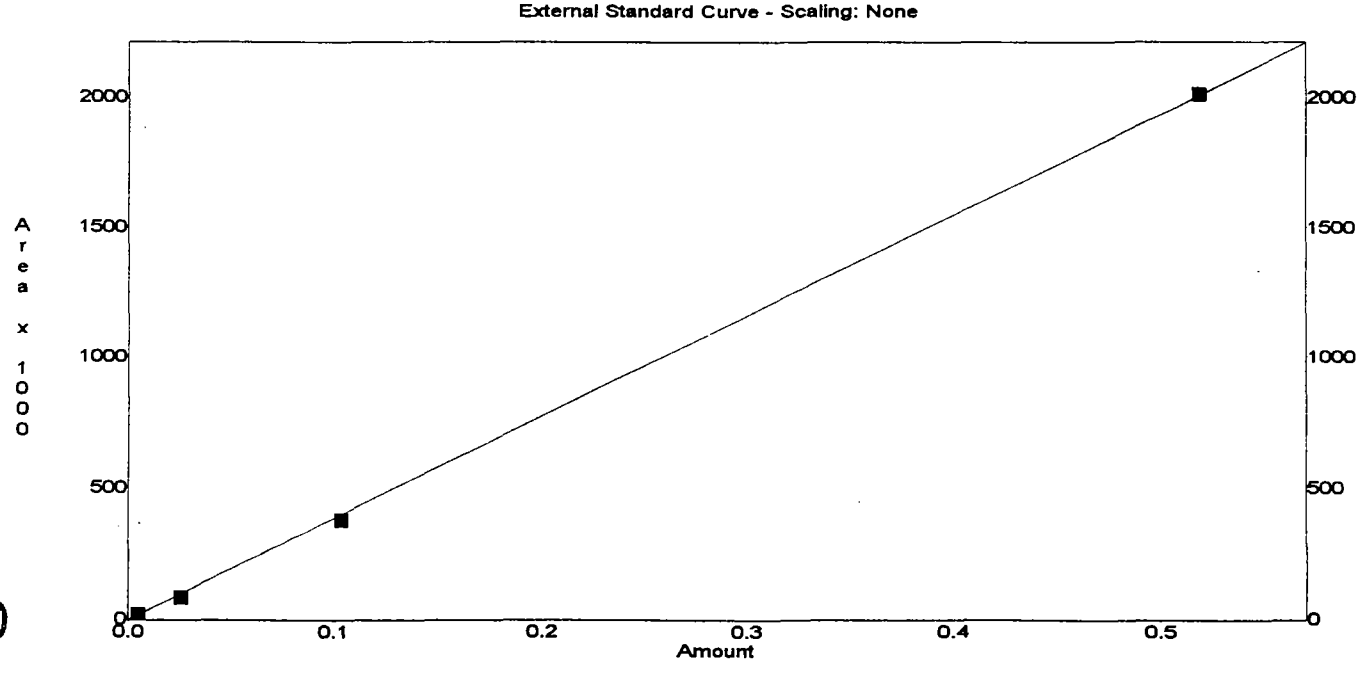
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	18883	0.00519	2.749e-007	18883					
2	81548	0.026	3.188e-007	81548					
3	376275	0.104	2.764e-007	376275					
4	2014110	0.519	2.577e-007	2014110					

Average RF: 2.81939e-007
RF StdDev: 2.60153e-008
RF %RSD: 9.22729

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

Linear Fit: Amount = 2.584e-007 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:22:31
Channel : B
Peak : EB

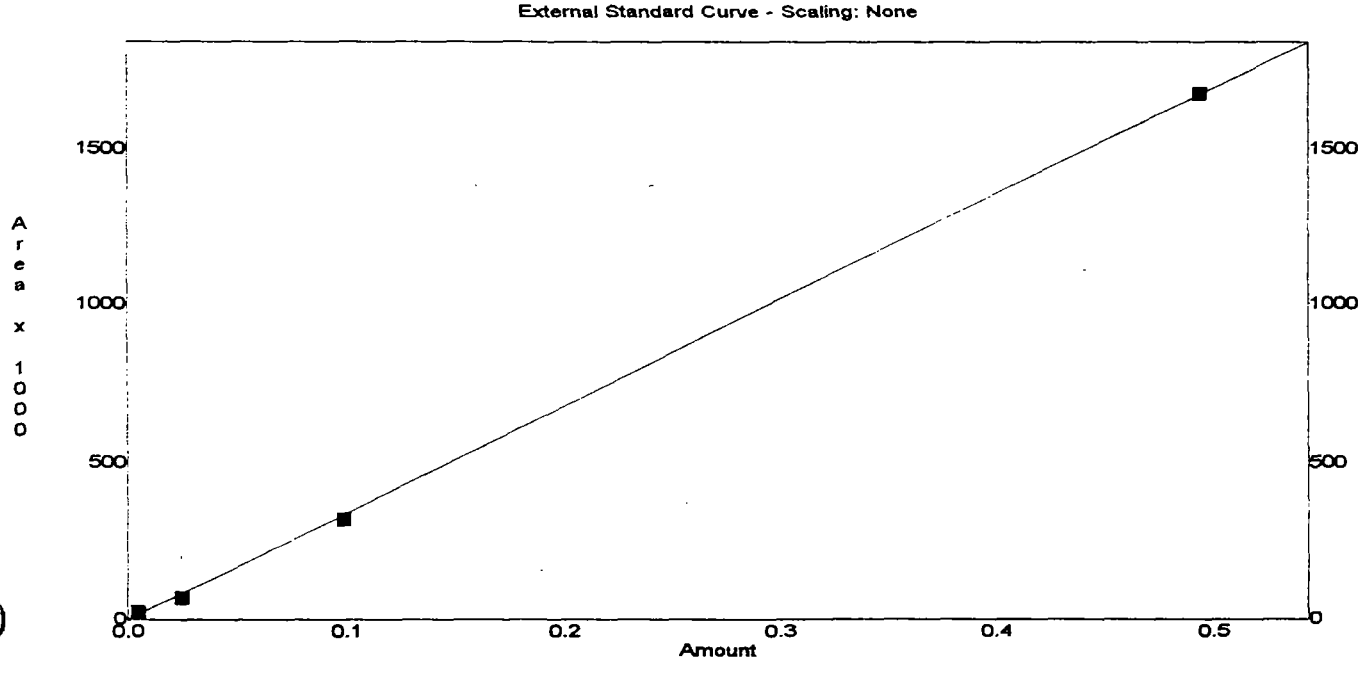
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	21239	0.00494	2.326e-007	21239					
2	68304	0.0247	3.616e-007	68304					
3	319147	0.099	3.102e-007	319147					
4	1676787	0.494	2.946e-007	1676787					

Average RF: 2.99756e-007
RF StdDev: 5.31467e-008
RF %RSD: 17.73

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

Linear Fit: Amount = 2.953e-007 x Area + 0.000e+000
R^2 = 0.9997



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:25:10
Channel : B
Peak : XYLMP

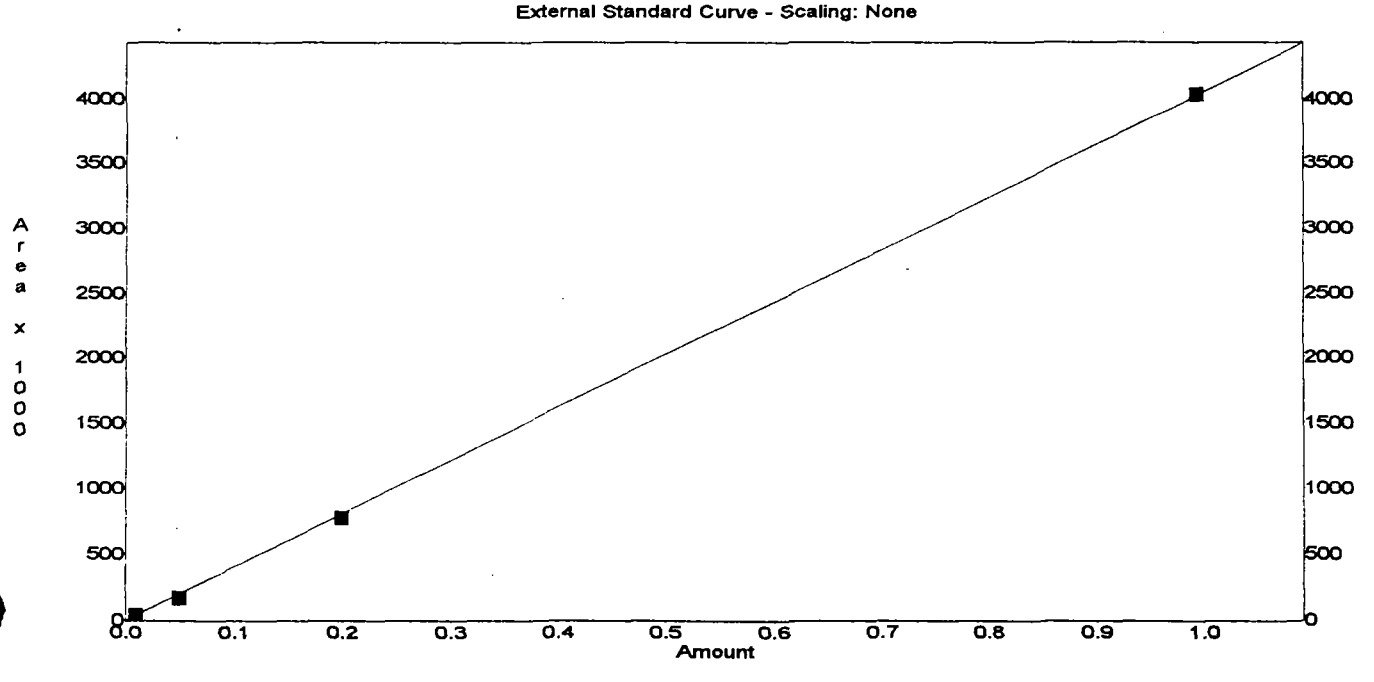
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	43960	0.00994	2.261e-007	43960					
2	171853	0.0497	2.892e-007	171853					
3	775512	0.199	2.566e-007	775512					
4	4036109	0.994	2.463e-007	4036109					

Average RF: 2.54549e-007
RF StdDev: 2.63429e-008
RF %RSD: 10.3488

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

Linear Fit: Amount = 2.467e-007 x Area + 0.000e+000
R^2 = 0.9998



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:25:18
Channel : B
Peak : XYLO

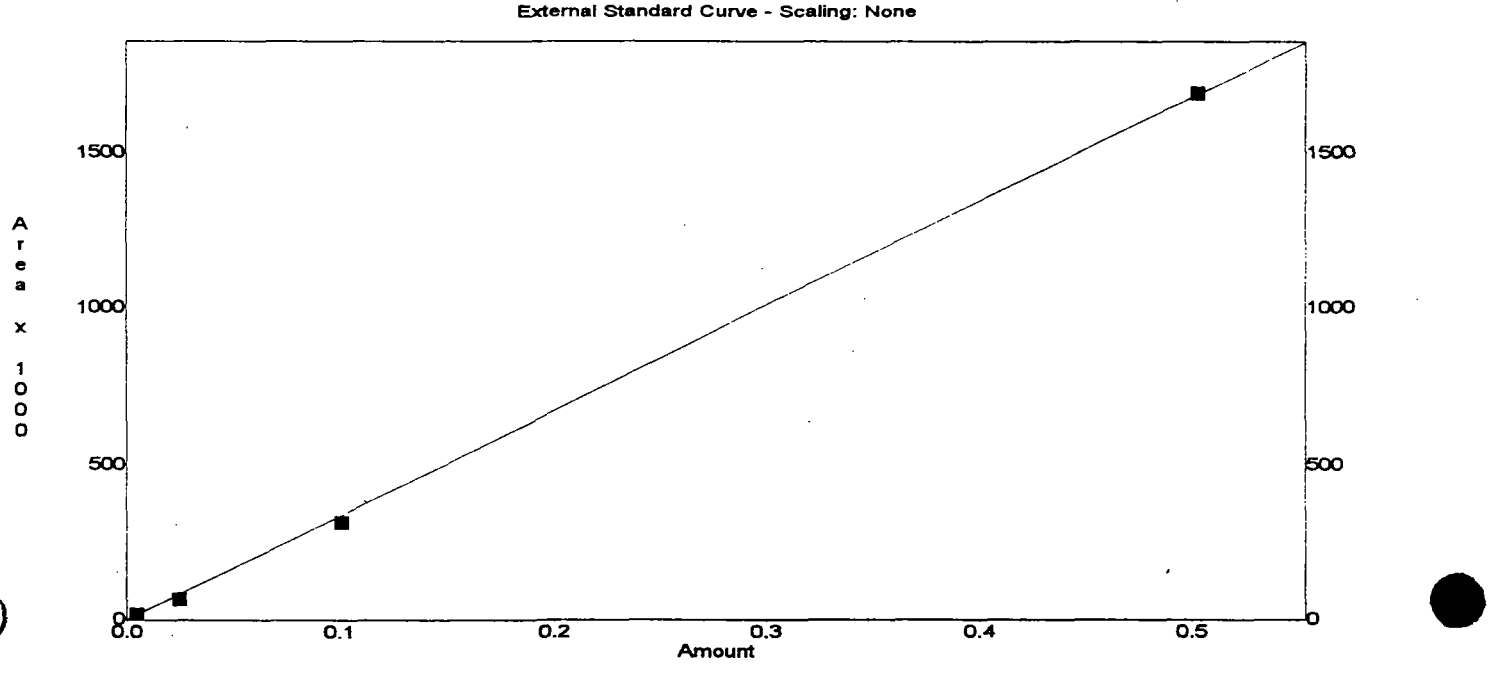
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	15507	0.00503	3.244e-007	15507					
2	66624	0.0251	3.767e-007	66624					
3	314080	0.101	3.216e-007	314080					
4	1691405	0.503	2.974e-007	1691405					

Average RF: 3.30018e-007
RF StdDev: 3.34234e-008
RF %RSD: 10.1277

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

Linear Fit: Amount = 2.983e-007 x Area + 0.000e+000
R^2 = 0.9995



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:25:46
Channel : C
Peak : F113

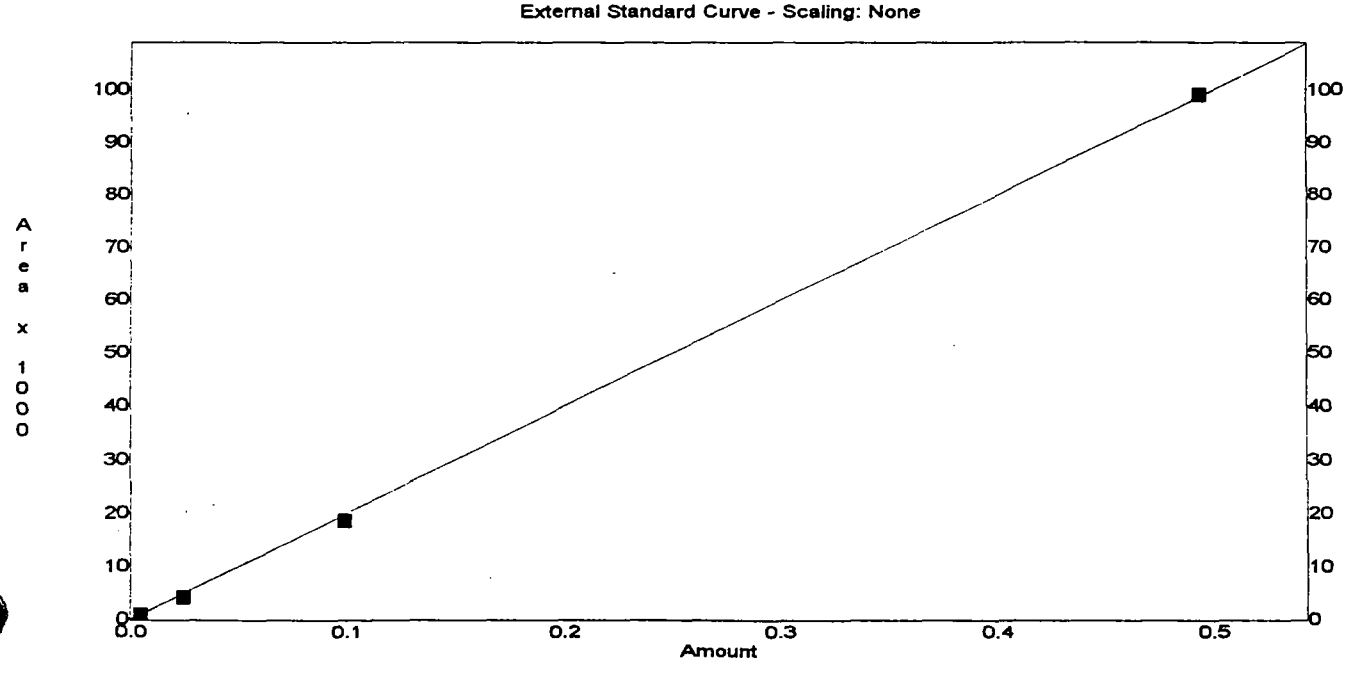
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	914	0.00494	5.408e-006	914					
2	4147	0.0247	5.956e-006	4147					
3	18514	0.099	5.347e-006	18514					
4	98973	0.494	4.991e-006	98973					

Average RF: 5.4256e-006
RF StdDev: 3.98554e-007
RF %RSD: 7.3458

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

Linear Fit: Amount = 5.005e-006 x Area + 0.000e+000
R^2 = 0.9996



Method : C:\LABQUEST\METHODS\OMEGA.MET
Printed : Nov 16, 1995 10:25:56
Channel : C
Peak : DCA12

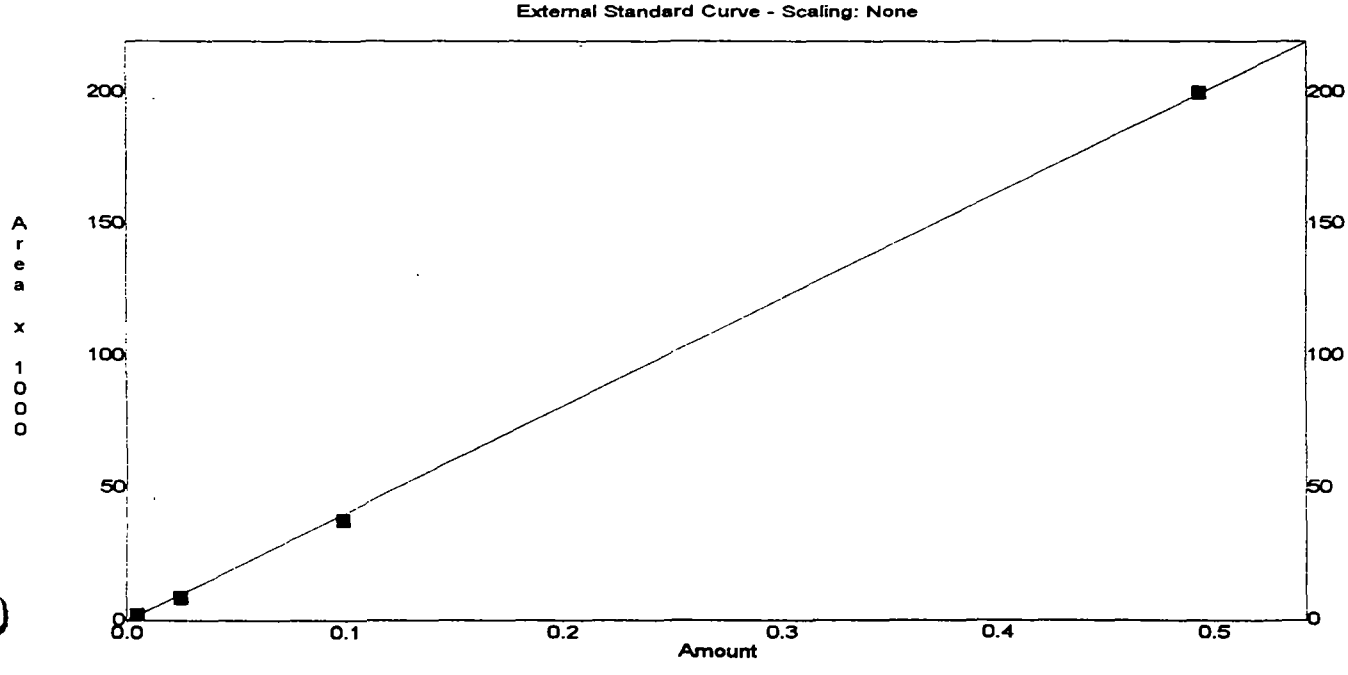
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	1909	0.00493	2.583e-006	1909					
2	8430	0.0247	2.93e-006	8430					
3	37338	0.099	2.651e-006	37338					
4	199904	0.493	2.466e-006	199904					

Average RF: 2.65756e-006
RF StdDev: 1.97109e-007
RF %RSD: 7.41693

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

Linear Fit: Amount = 2.473e-006 x Area + 0.000e+000
R^2 = 0.9996



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

Printed : Nov 15, 1995 18:10:50

Channel : C

Peak : TCA112

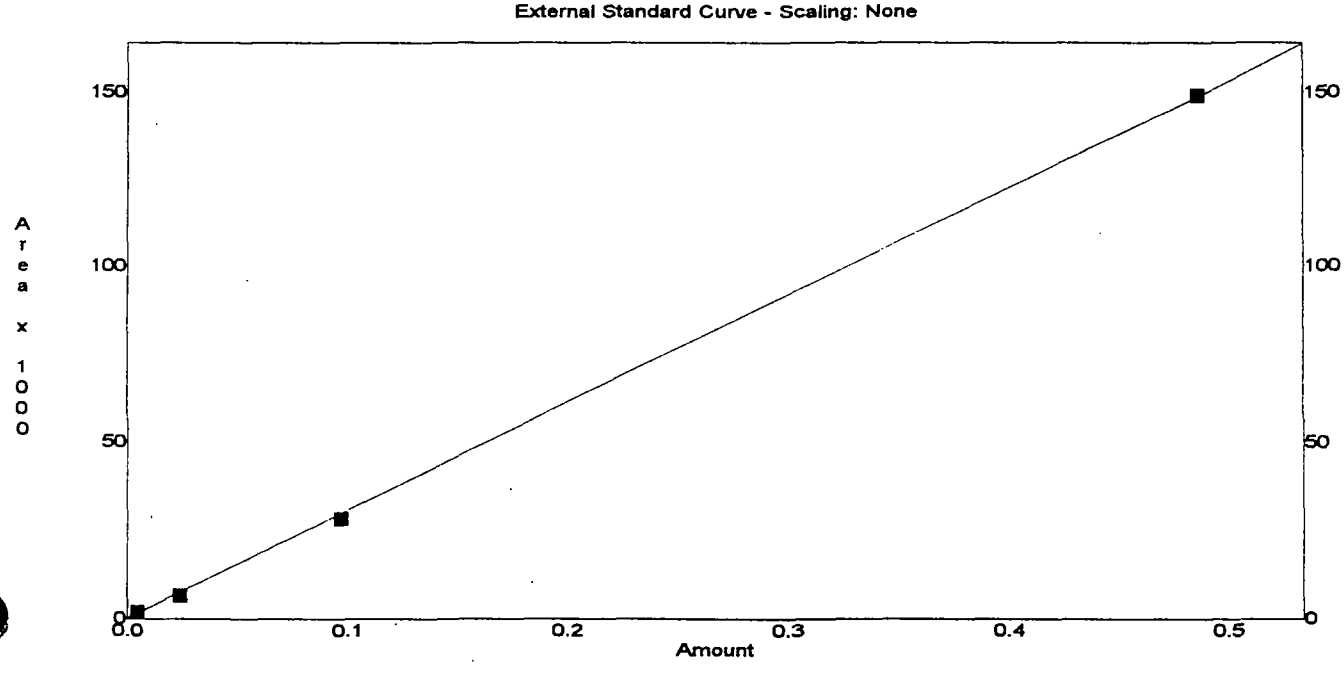
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDe
1	1686	0.00486	2.883e-006	1686					
2	6344	0.0243	3.831e-006	6344					
3	28090	0.097	3.453e-006	28090					
4	149270	0.486	3.256e-006	149270					

Average RF: 3.35558e-006
RF StdDev: 3.95371e-007
RF %RSD: 11.7825

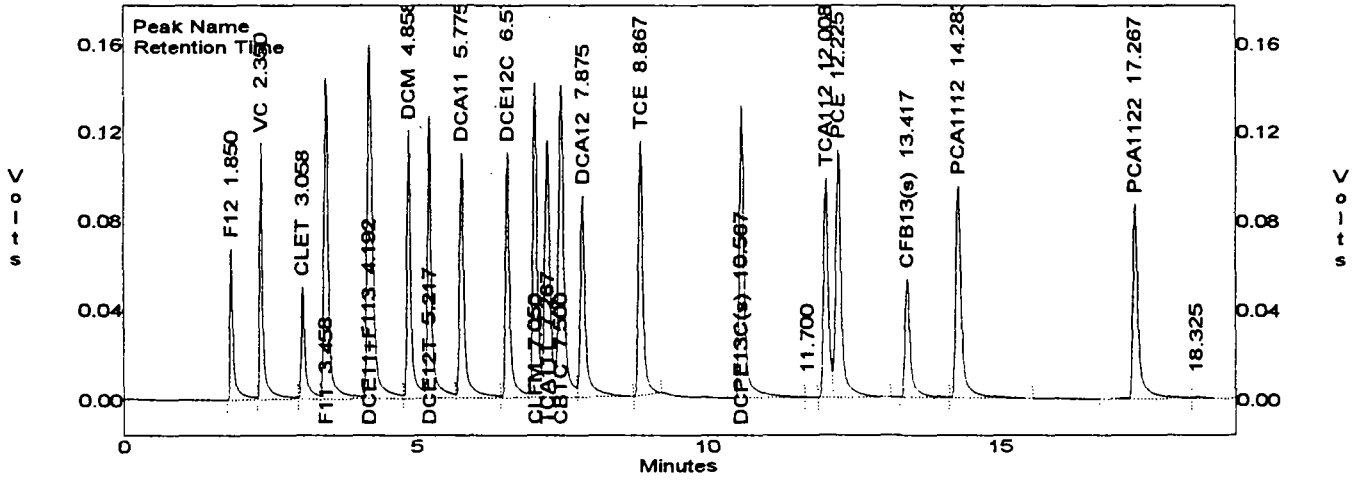
RF Definition: Amount / Area
Weighting Method: None
Fit Through Zero: Yes

Linear Fit: Amount = 3.264e-006 x Area + 0.000e+000
R^2 = 0.9997



Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.051
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : lcs951115pm
Acquired : Nov 15, 1995 18:01:13
Printed : Nov 15, 1995 18:20:40
User : DQF

C:\LABQUEST\CHROM\OMEGA.051 – Channel A



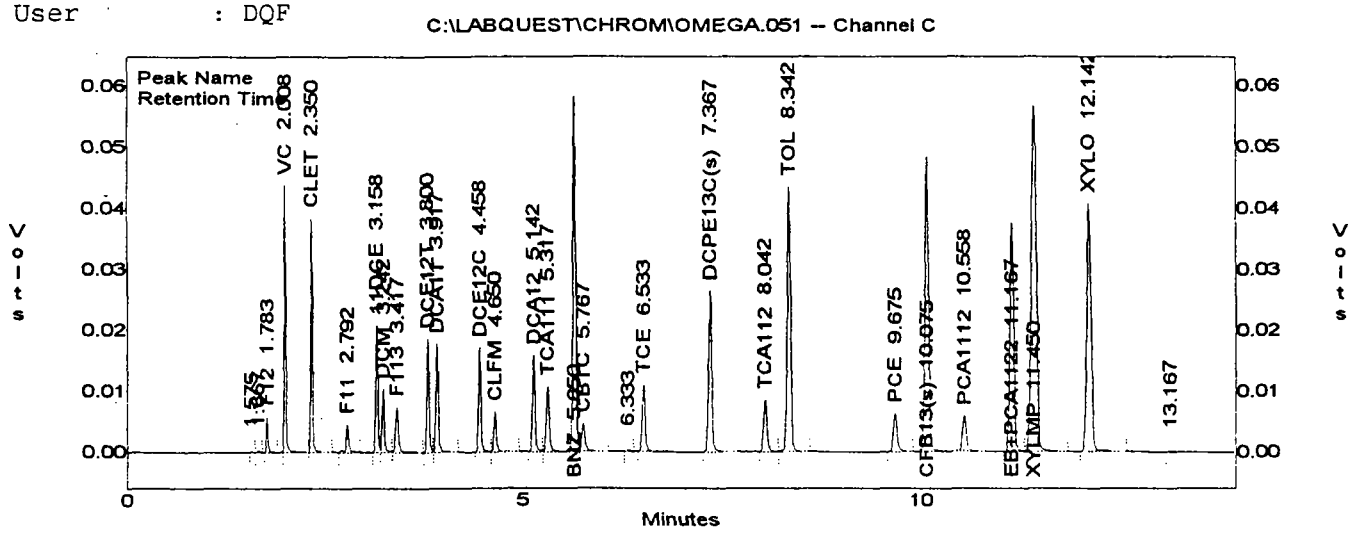
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.850	268319	462.262	0
2	VC	2.350	447079	506.735	0
3	CLET	3.058	239070	504.611	0
4	F11	3.458	783396	540.921	0
5	DCE11+F113	4.192	1046901	1045.841	0
6	DCM	4.858	553575	482.842	0
7	DCE12T	5.217	620455	510.310	0
8	DCA11	5.775	628134	499.394	0
9	DCE12C	6.575	569424	489.204	0
10	CLFM	7.050	719881	499.604	0
11	TCA111	7.267	721617	503.714	0
12	CBTC	7.500	905252	533.434	0
13	DCA12	7.875	548940	462.172	0
14	TCE	8.867	622423	435.279	0
15	DCPE13C(s)	10.567	779785	4998.117	0
16		11.700	1745	0.000	0
17	TCA112	12.008	549584	427.045	0
18	PCE	12.225	759489	454.910	0
19	CFB13(s)	13.417	356678	3914.819	0
20	PCA1112	14.283	671012	453.001	0
21	PCA1122	17.267	586420	431.266	0
22		18.325	14376	0.000	0

Totals :

12393562 18155.479

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.051
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : lcs951115pm
Acquired : Nov 15, 1995 18:01:13
Printed : Nov 15, 1995 18:20:49
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.575	367	0.000	0
2		1.667	835	0.000	0
3	F12	1.783	8465	460.898	0
4	VC	2.008	61221	493.508	0
5	CLET	2.350	60385	517.188	0
6	F11	2.792	10699	507.928	0
7	11DCE	3.158	38987	488.745	0
8	DCM	3.242	20767	466.279	0
9	F113	3.417	19317	483.417	0
10	DCE12T	3.800	36339	457.464	0
11	DCA11	3.917	39205	475.793	0
12	DCE12C	4.458	37506	462.315	0
13	CLFM	4.650	16140	490.595	0
14	DCA12	5.142	36746	454.414	0
15	TCA111	5.317	29812	470.974	0
16	BNZ	5.650	144644	482.905	0
17	CBTC	5.767	14102	501.757	0
18		6.333	623	0.000	0
19	TCE	6.533	29601	471.632	0
20	DCPE13C(s)	7.367	74739	4957.137	0
21	TCA112	8.042	26290	429.000	0
22	TOL	8.342	132712	446.543	0
23	PCE	9.675	21893	431.602	0
24	CFB13(s)	10.075	159565	4892.879	0
25	PCA1112	10.558	21922	443.142	0
26	EB+PCA1122	11.167	131317	910.216	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.051
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : lcs951115pm
Acquired : Nov 15, 1995 18:01:13
Printed : Nov 15, 1995 18:20:51
User : DQF

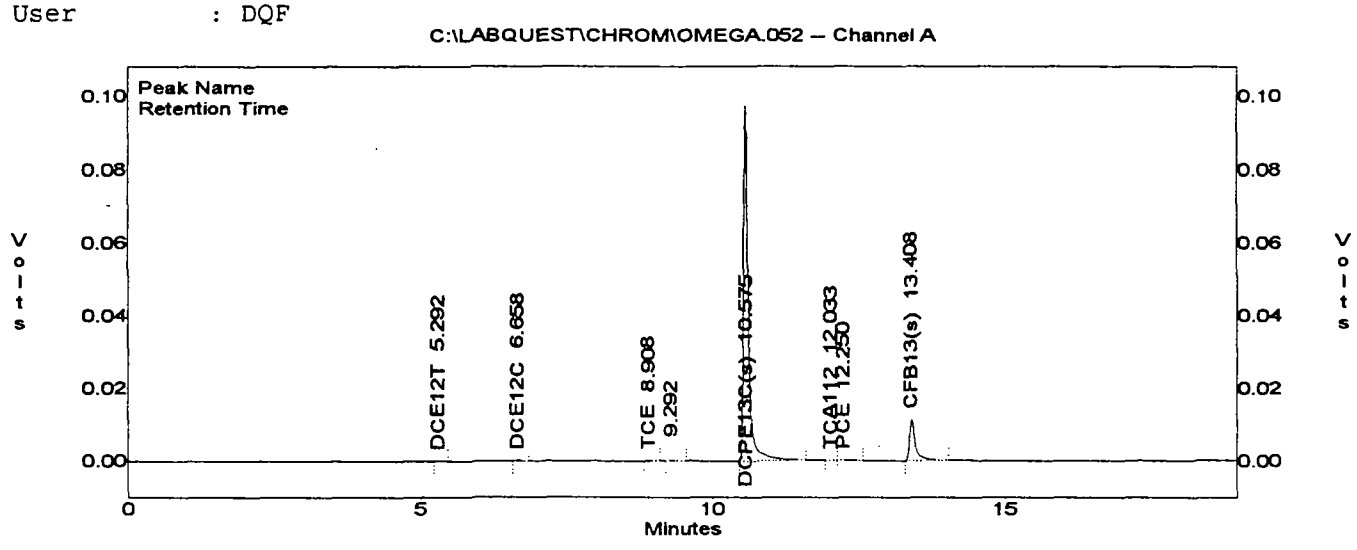
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	XYLMP	11.450	262538	890.981	0
28	XYLO	12.142	148378	434.137	0
29		13.167	418	0.000	0

Totals :

	1585546	21521.449

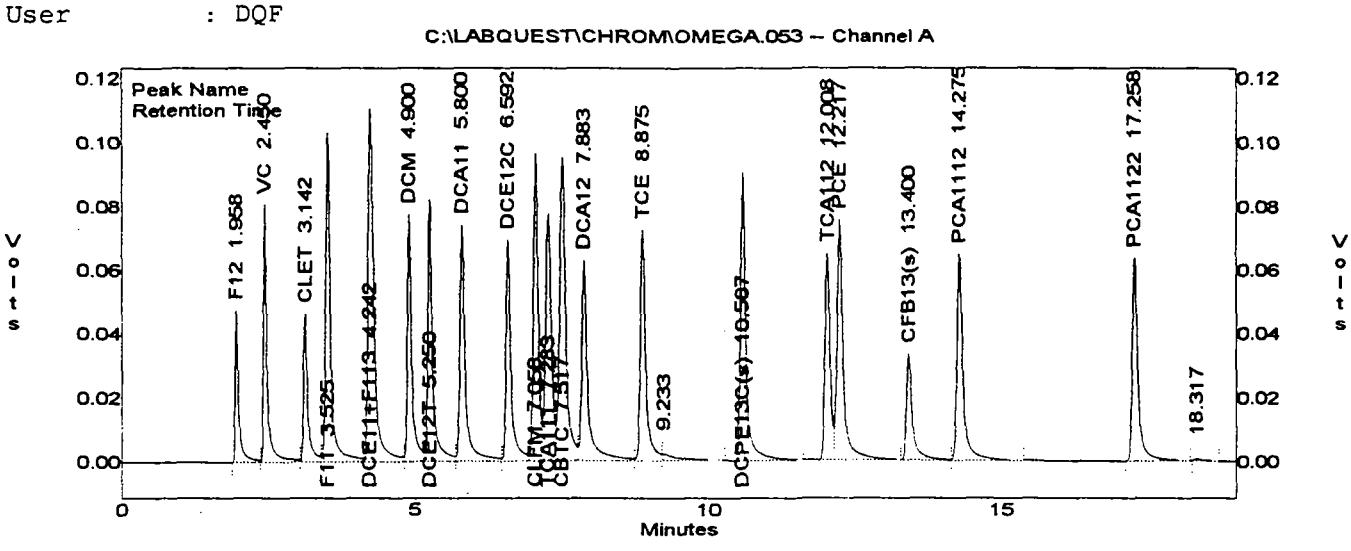
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.052
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951116AM
Acquired : Nov 16, 1995 07:32:45
Printed : Nov 16, 1995 07:52:07
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
1	DCE12T	5.292	558	0.092	0
--	DCA11	5.850	0	0.000	0
2	DCE12C	6.658	504	0.087	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
3	TCE	8.908	824	0.115	0
4		9.292	1667	0.000	0
5	DCPE13C(s)	10.575	571050	732.041	0
6	TCA112	12.033	1049	0.163	0
7	PCE	12.250	1393	0.167	0
8	CFB13(s)	13.408	79510	174.537	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			656557	907.202	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.053
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951116
Acquired : Nov 16, 1995 08:01:00
Printed : Nov 16, 1995 08:20:21
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.958	200491	345.408	0
2	VC	2.450	350205	396.936	0
3	CLET	3.142	230077	485.629	0
4	F11	3.525	615878	425.253	0
5	DCE11+F113	4.242	781115	780.324	0
6	DCM	4.900	398197	347.318	0
7	DCE12T	5.250	464356	381.922	0
8	DCA11	5.800	481157	382.542	0
9	DCE12C	6.592	414319	355.950	0
10	CLFM	7.058	539048	374.104	0
11	TCA111	7.283	540167	377.056	0
12	CBTC	7.517	700271	412.645	0
13	DCA12	7.883	460088	387.365	0
14	TCE	8.875	466926	326.536	0
15		9.233	39959	0.000	0
16	DCPE13C(s)	10.567	574592	3682.909	0
17	TCA112	12.008	397712	309.035	0
18	PCE	12.217	567278	339.781	0
19	CFB13(s)	13.400	248541	2727.933	0
20	PCA1112	14.275	485674	327.879	0
21	PCA1122	17.258	439719	323.379	0
22		18.317	4788	0.000	0

Totals : 9400567 13489.903

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: FB16NOV95	Probe Depth (ft): NA
Time Sampled: 8:30	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: NA
Air Temp. (F): 75°F	Wind dir/speed: CALM

Sample Parameters

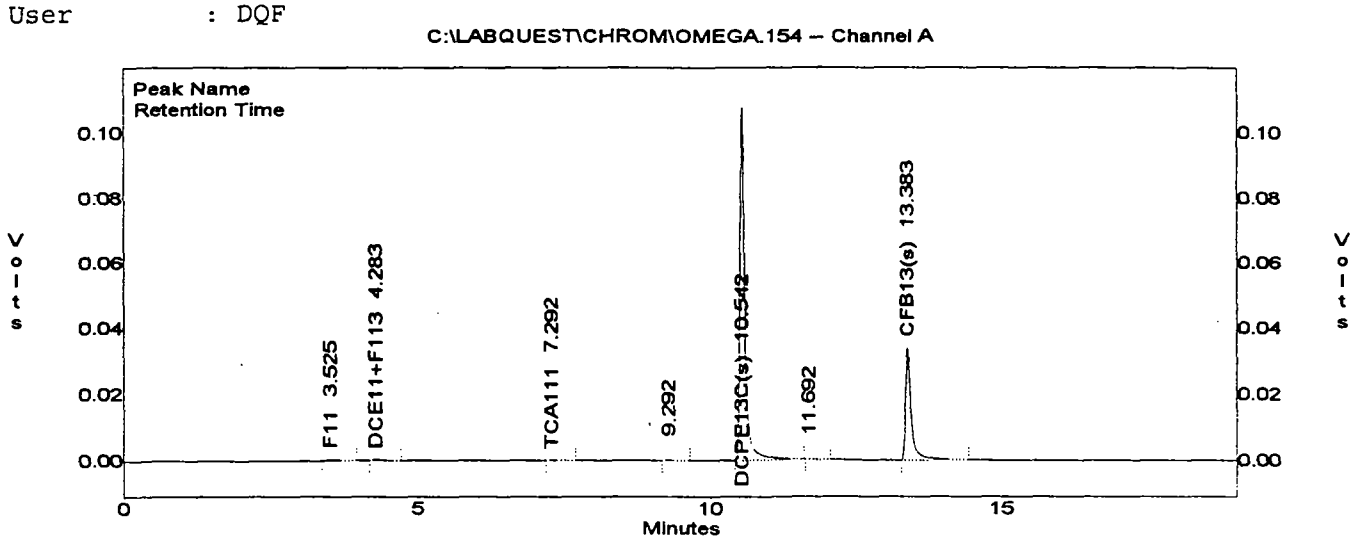
Probe Volume (ml): -	Max. Purge Vacuum (in. Hg): NA
Purge Volume (liters): 5	Equilibrium Time: NA
Purge Time (min.): 1 MIN.	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist:	Volume Analyzed:
Recd. Date: Time:	Time Injected: Loop #:

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride			Benzene		
Chloroethane			Toluene		
Freon 11			Ethylbenzene		
Dichloromethane			m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	<1	
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	84	
PCE			% Surr. 2, ELCD	52	
1112PCA			% Surr. 1, PID	92	
1122PCA			% Surr. 2, PID	92	
			% Surr. 1, FID	103	
			% Surr. 2, FID	98	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.154
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB16NOV95
Acquired : Nov 16, 1995 08:55:04
Printed : Nov 16, 1995 09:14:27
User : DQF

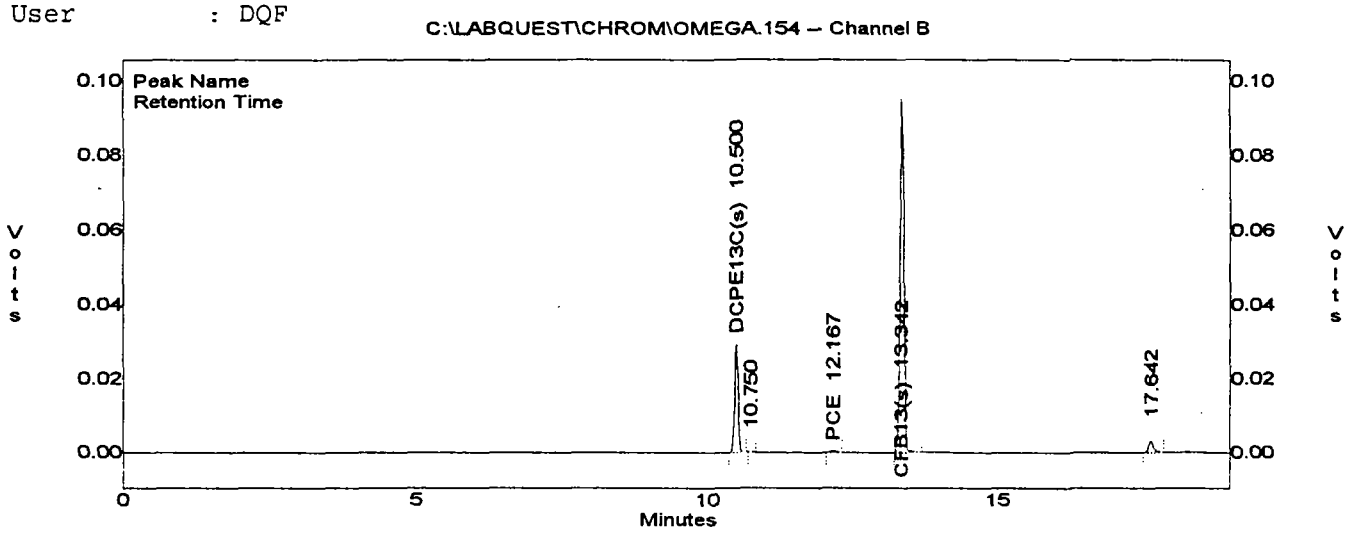


Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
1	F11	3.525	6316	0.872	0
2	DCE11+F113	4.283	4648	0.929	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
3	TCA111	7.292	2944	0.411	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
4		9.292	2568	0.000	0
5	DCPE13C(s)	10.542	653964	838.331	0
6		11.692	724	0.000	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
7	CFB13(s)	13.383	237137	520.553	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals : 908303 1361.096

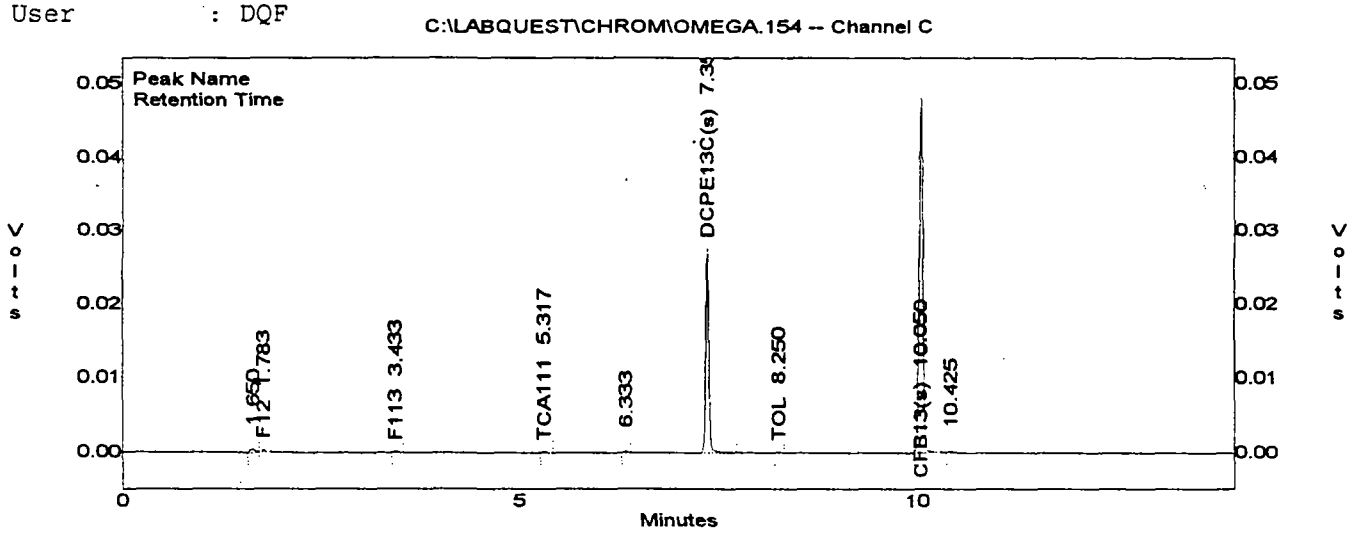
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.154
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB16NOV95
Acquired : Nov 16, 1995 08:55:04
Printed : Nov 16, 1995 09:14:31
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
1	DCPE13C(s)	10.500	123093	921.672	0
2		10.750	575	0.000	0
--	TOL	11.208	0	0.000	0
3	PCE	12.167	2775	1.445	0
4	CFB13(s)	13.342	446838	921.045	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
5		17.642	19032	0.000	0
Totals :			592315	1844.163	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.154
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB16NOV95
Acquired : Nov 16, 1995 08:55:04
Printed : Nov 16, 1995 09:14:36
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	1901	0.000	0
2	F12	1.783	902	9.828	0
--	VC	2.033	0	0.000	0
--	CLET	2.383	0	0.000	0
--	F11	2.833	0	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
3	F113	3.433	515	2.580	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
4	TCA111	5.317	572	1.809	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
5		6.333	571	0.000	0
--	TCE	6.592	0	0.000	0
6	DCPE13C(s)	7.350	77279	1025.121	0
--	TCA112	8.108	0	0.000	0
7	TOL	8.250	581	0.391	0
--	PCE	9.742	0	0.000	0
8	CFB13(s)	10.050	159771	979.836	0
9		10.425	679	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.154
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB16NOV95
Acquired : Nov 16, 1995 08:55:04
Printed : Nov 16, 1995 09:14:37
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	242775	2019.565

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB14-6' | Probe Depth (ft): 6'

Time Sampled: 855 | Sampled by: UBM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST | Ground Surface: CONCRETE

Air Temp. (F): 58.5 | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 15

Purge Volume (liters): .50 | Equilibrium Time: :01

Purge Time (min.): :02 | Sample Volume (ml): 20 mL

Notes: 45 PPM | Syringe ID: A B

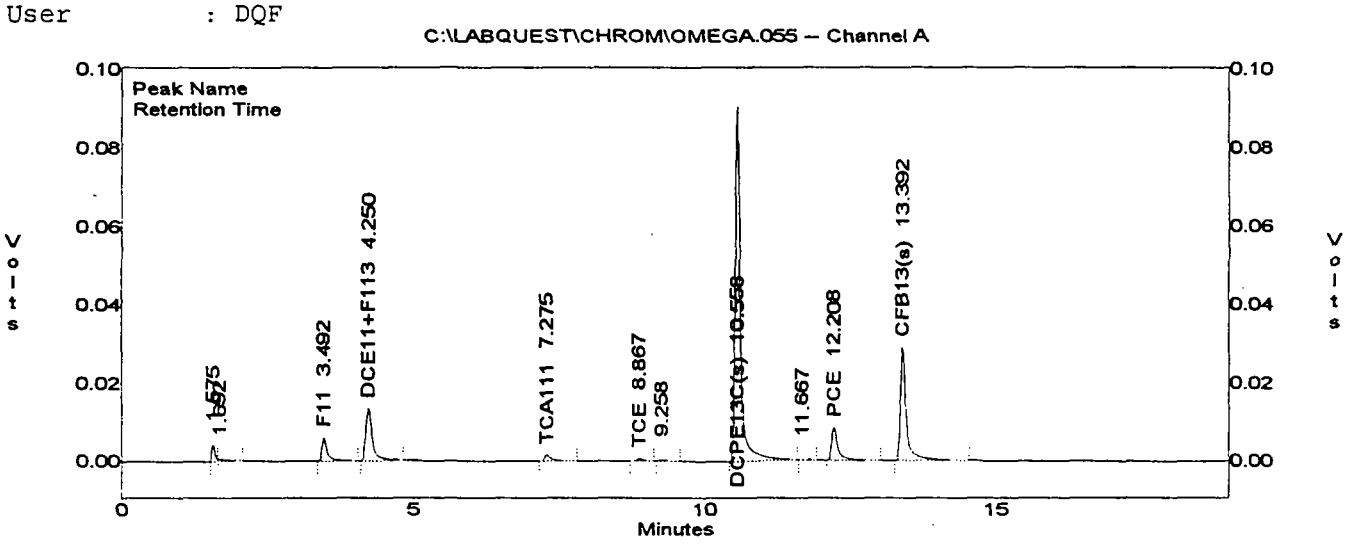
Analytical Summary

Chemist: DQF | Volume Analyzed: 1mL

Recd. Date: 11/16/95 Time: 8:58 | Time Injected: 09:17 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	3.1	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	3.3		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	30	
111TCA	4.0				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	1.3				
112TCA	<1		% Surr. 1, ELCD	94	
PCE	16		% Surr. 2, ELCD	46	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	97	
			% Surr. 1, FID	102	
			% Surr. 2, FID	99	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.055
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-6
Acquired : Nov 16, 1995 09:19:04
Printed : Nov 16, 1995 09:38:35
User : DQF



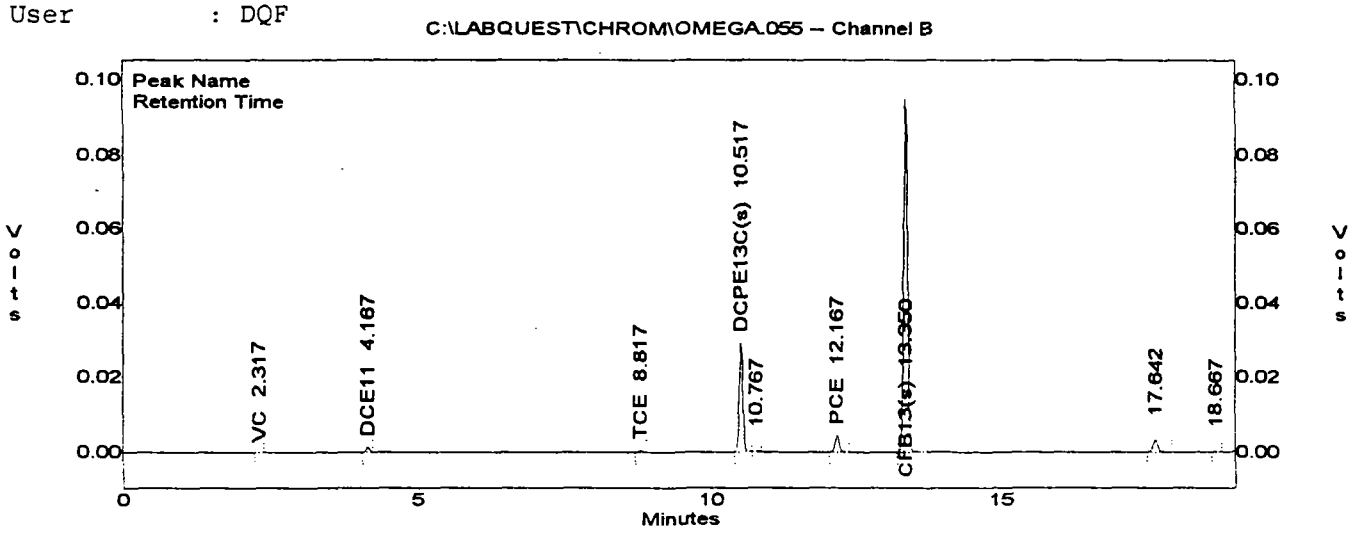
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.575	17394	0.000	0
2		1.692	6595	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.492	41017	5.664	0
4	DCE11+F113	4.250	105421	21.063	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.275	13321	1.860	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	8.867	4965	0.694	0
7		9.258	3193	0.000	0
8	DCPE13C(s)	10.558	573946	735.754	0
9		11.667	643	0.000	0
--	TCA112	12.108	0	0.000	0
10	PCE	12.208	66426	7.957	0
11	CFB13(s)	13.392	211171	463.553	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

	1044096	1236.546

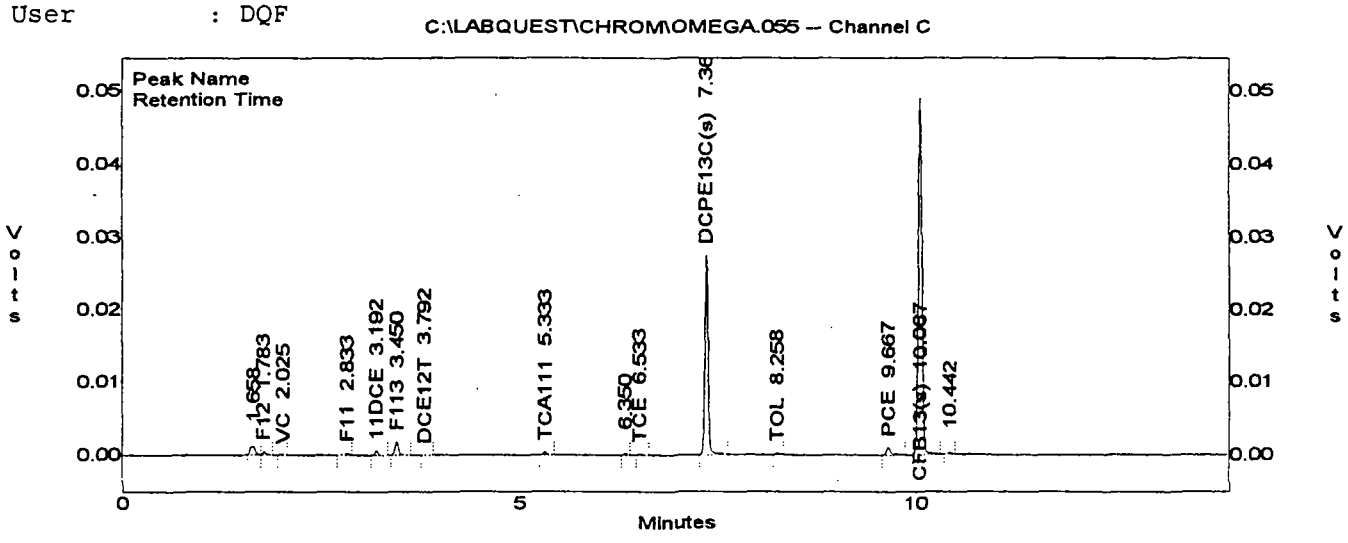
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.055
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-6
Acquired : Nov 16, 1995 09:19:04
Printed : Nov 16, 1995 09:38:40
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.317	300	0.415	0
2	DCE11	4.167	5244	3.143	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
3	TCE	8.817	1802	0.759	0
4	DCPE13C(s)	10.517	123399	923.958	0
5		10.767	541	0.000	0
--	TOL	11.208	0	0.000	0
6	PCE	12.167	23088	12.022	0
7	CFB13(s)	13.350	446194	919.718	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
8		17.642	19290	0.000	0
9		18.667	1022	0.000	0
Totals :			620884	1860.014	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.055
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-6
Acquired : Nov 16, 1995 09:19:04
Printed : Nov 16, 1995 09:38:44
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	5579	0.000	0
2	F12	1.783	1193	12.996	0
3	VC	2.025	256	0.413	0
--	CLET	2.383	0	0.000	0
4	F11	2.833	872	8.279	0
5	11DCE	3.192	1954	4.899	0
--	DCM	3.283	0	0.000	0
6	F113	3.450	5974	29.900	0
7	DCE12T	3.792	249	0.628	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
8	TCA111	5.333	1272	4.020	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
9		6.350	532	0.000	0
10	TCE	6.533	423	1.348	0
11	DCPE13C(s)	7.367	77167	1023.638	0
--	TCA112	8.108	0	0.000	0
12	TOL	8.258	540	0.363	0
13	PCE	9.667	4080	16.088	0
14	CFB13(s)	10.067	160623	985.064	0
15		10.442	803	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.055
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-6
Acquired : Nov 16, 1995 09:19:04
Printed : Nov 16, 1995 09:38:45
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

261521 2087.637

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 5614-12	Probe Depth (ft): 12'
Time Sampled: 9:13	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 57.9	Wind dir/speed: CALM

Sample Parameters

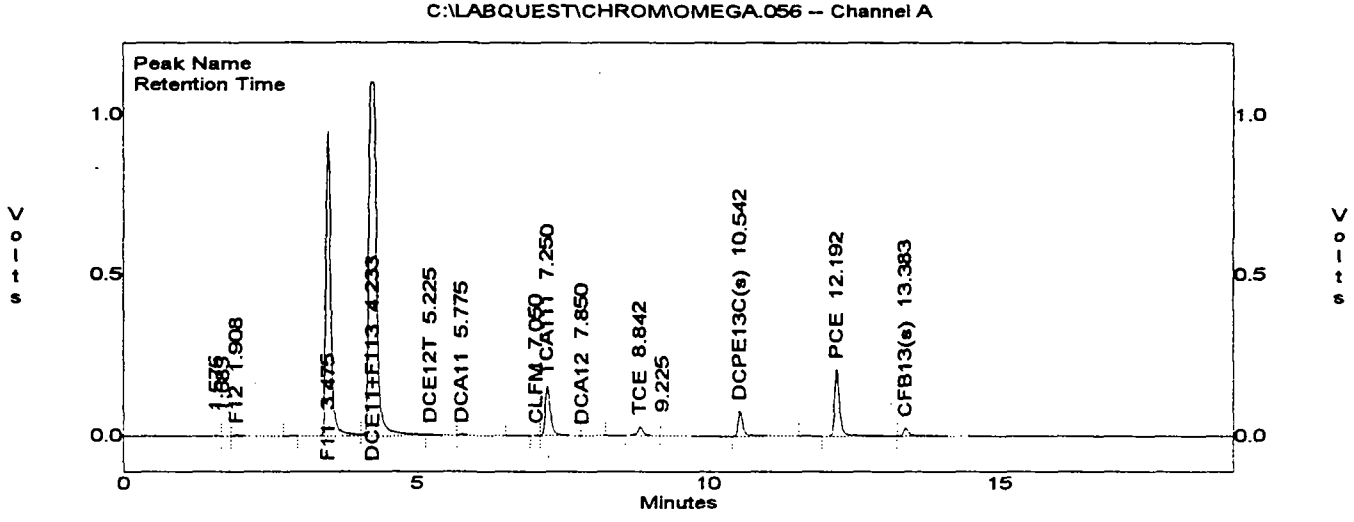
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 16
Purge Volume (liters): .75	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 20mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist: JOF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 09:15	Time Injected: 09:40 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	55		11DCE	460	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	<1		Toluene		
Freon 11	1500		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	9.9		o-Xylene		
11DCA	13				
c-12DCE	<1				
Chloroforme	6.0		Freon 113	4800	
111TCA	250				
Carbon Tetrachloride	<1				
12DCA	1.5				
TCE	62				
112TCA	<1		% Surr. 1, ELCD	61	
PCE	360		% Surr. 2, ELCD	40	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	9✓	
			% Surr. 1, FID	111	
			% Surr. 2, FID	99	

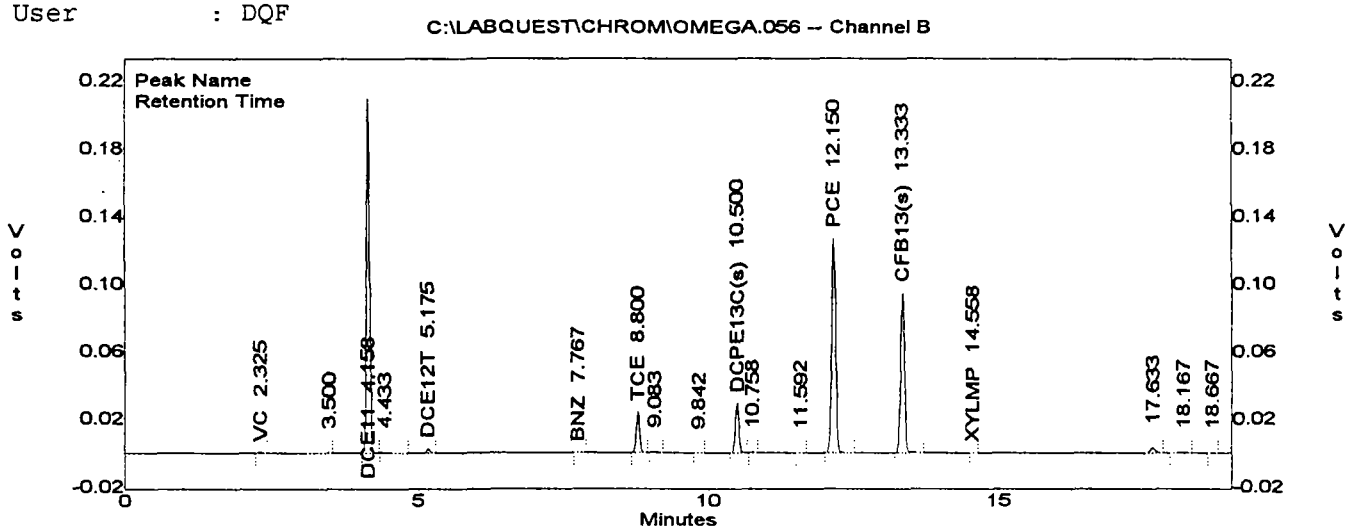
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.056
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-12
Acquired : Nov 16, 1995 09:43:06
Printed : Nov 16, 1995 10:02:33
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.575	8961	0.000	0
2		1.683	2750	0.000	0
3	F12	1.908	34815	11.996	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
4	F11	3.475	5531909	763.937	0
5	DCE11+F113	4.233	10155818	2029.106	0
--	DCM	4.925	0	0.000	0
6	DCE12T	5.225	77284	12.713	0
7	DCA11	5.775	50135	7.972	0
--	DCE12C	6.650	0	0.000	0
8	CLFM	7.050	17105	2.374	0
9	TCA111	7.250	977043	136.402	0
--	CBTC	7.592	0	0.000	0
10	DCA12	7.850	9318	1.569	0
11	TCE	8.842	213647	29.882	0
12		9.225	11289	0.000	0
13	DCPE13C(s)	10.542	478082	612.864	0
--	TCA112	12.108	0	0.000	0
14	PCE	12.192	1286233	154.082	0
15	CFB13(s)	13.383	179950	395.018	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			19034344	4157.916	

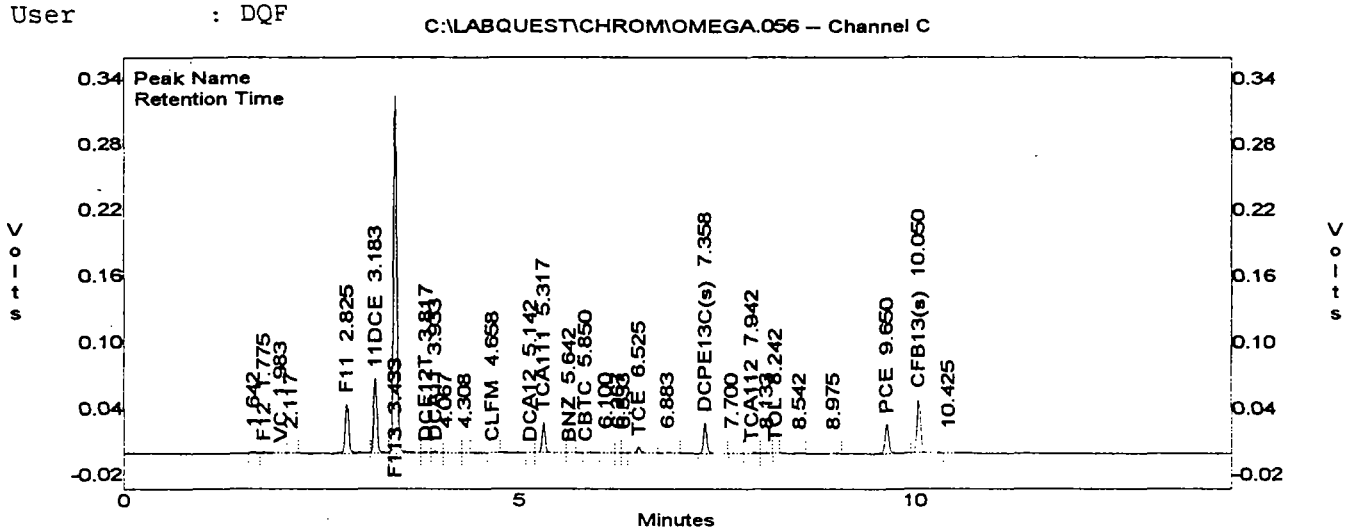
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.056
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-12
Acquired : Nov 16, 1995 09:43:06
Printed : Nov 16, 1995 10:02:38
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.325	2734	3.780	0
2		3.500	1144	0.000	0
3	DCE11	4.158	773550	463.521 ✓	0
4		4.433	3577	0.000	0
5	DCE12T	5.175	9239	2.469	0
--	DCE12C	6.608	0	0.000	0
6	BNZ	7.767	837	0.200	0
7	TCE	8.800	98232	41.355	0
8		9.083	3109	0.000	0
9		9.842	369	0.000	0
10	DCPE13C(s)	10.500	123458	924.404	0
11		10.758	457	0.000	0
--	TOL	11.208	0	0.000	0
12		11.592	385	0.000	0
13	PCE	12.150	617688	321.617	0
14	CFB13(s)	13.333	447221	921.836	0
--	EB	14.417	0	0.000	0
15	XYLMP	14.558	321	0.079	0
--	XYLO	15.592	0	0.000	0
16		17.633	18648	0.000	0
17		18.167	1809	0.000	0
18		18.667	1426	0.000	0
Totals :			2104210	2679.261	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.056
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-12
Acquired : Nov 16, 1995 09:43:06
Printed : Nov 16, 1995 10:02:42
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.642	5500	0.000		0
2	F12	1.775	5011	54.573 ✓		0
3	VC	1.983	661	1.067		0
4		2.117	1904	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.825	154984	1471.452 ✓		0
6	11DCE	3.183	197899	496.166		0
--	DCM	3.283	0	0.000		0
7	F113	3.433	962838	4818.969 ✓		0
8	DCE12T	3.817	3925	9.884 ✓		0
9	DCA11	3.933	5347	12.979 ✓		0
10		4.067	1873	0.000		0
11		4.308	563	0.000		0
--	DCE12C	4.500	0	0.000		0
12	CLFM	4.658	987	6.003 ✓		0
13	DCA12	5.142	625	1.547 ✓		0
14	TCA111	5.317	79221	250.306 ✓		0
15	BNZ	5.642	648	0.433		0
16	CBTC	5.850	452	3.220 ✗		0
17		6.100	759	0.000		0
18		6.267	478	0.000		0
19		6.333	551	0.000		0
20	TCE	6.525	19601	62.463 ✓		0
21		6.883	3462	0.000		0
22	DCPE13C(s)	7.358	83738	1110.800		0
23		7.700	596	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.056
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG14-12
Acquired : Nov 16, 1995 09:43:06
Printed : Nov 16, 1995 10:02:44
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24	TCA112	7.942	748	2.443	0
25		8.133	755	0.000	0
26	TOL	8.242	463	0.312	0
27		8.542	310	0.000	0
28		8.975	456	0.000	0
29	PCE	9.650	92254	363.730	0
30	CFB13(s)	10.050	161433	990.031	0
31		10.425	743	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

1788797	9656.375	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB3-12	Probe Depth (ft): 12'
Time Sampled: 9:44	Sampled by: VJM
Date Sampled: 11.16.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 59.0	Wind dir/speed: CALM

Sample Parameters

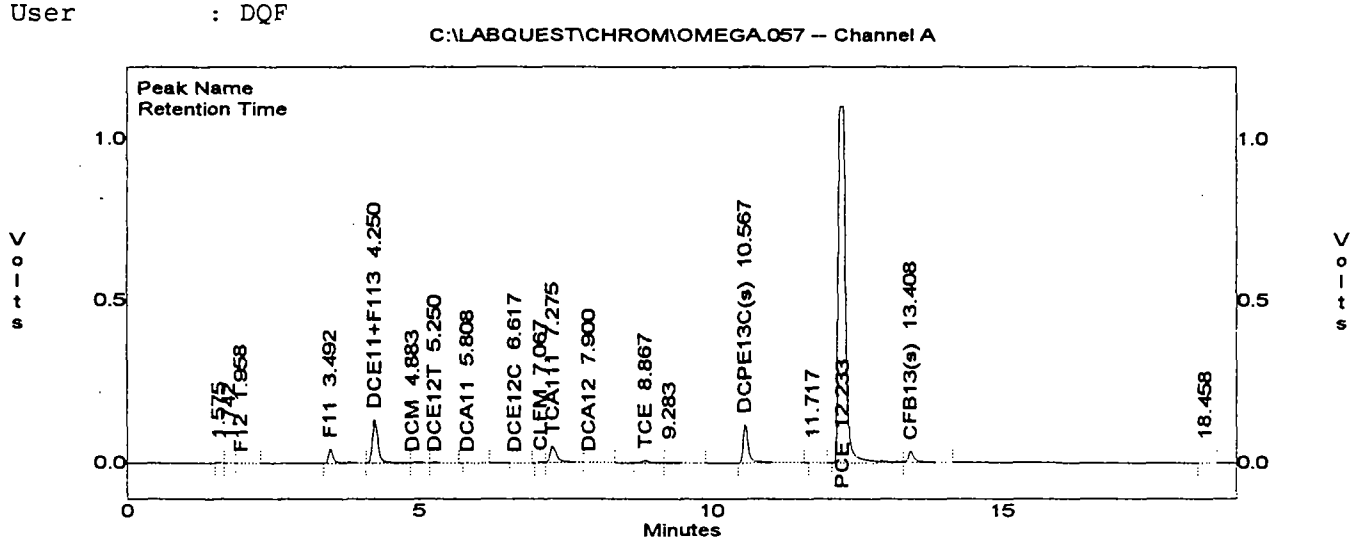
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 20
Purge Volume (liters): .75	Equilibrium Time: :03
Purge Time (min.): :03	Sample Volume (ml): 20ml
Notes: FID = 2400 ppm	Syringe ID: A B

Analytical Summary

Chemist: D&T	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 9:46	Time Injected: 10:05 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	~~2~~ Stet 1.2		11DCE	11	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	~~90~~ 40		Ethylbenzene		
Dichloromethane	1.9		m/p-Xylene		
t-12DCE	~~3.9~~ 1.4		o-Xylene	↓	
11DCA	~~1.9~~ 0.5<1				
c-12DCE	<1				
Chloroforme	~~8~~ 3.0		Freon 113	390	
111TCA	~~140~~ 60				
Carbon Tetrachloride	<1				
12DCA	~~2.5~~ 3.6				
TCE	~~14~~ 9.7				
112TCA	<1		% Surr. 1, ELCD	95	
PCE	~~3100~~ 1200		% Surr. 2, ELCD	62	
1112PCA	<1		% Surr. 1, PID	93	
1122PCA	<1		% Surr. 2, PID	94	
			% Surr. 1, FID	104	
			% Surr. 2, FID	101	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
Acquired : Nov 16, 1995 10:07:12
Printed : Nov 16, 1995 10:26:37
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.575	9240	0.000	0
2		1.742	2042	0.000	0
3	F12	1.958	3573	1.231	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
4	F11	3.492	273632	37.788	0
5	DCE11+F113	4.250	899354	179.689	0
6	DCM	4.883	10838	1.891	0
7	DCE12T	5.250	8461	1.392	0
8	DCA11	5.808	3392	0.539	0
9	DCE12C	6.617	1163	0.200	0
10	CLFM	7.067	21823	3.029	0
11	TCA111	7.275	420835	58.752	0
--	CBTC	7.592	0	0.000	0
12	DCA12	7.900	21342	3.594	0
13	TCE	8.867	69112	9.666	0
14		9.283	9973	0.000	0
15	DCPE13C(s)	10.567	737836	945.848	0
16		11.717	600	0.000	0
--	TCA112	12.108	0	0.000	0
17	PCE	12.233	9656423	1156.776	0
18	CFB13(s)	13.408	282018	619.074	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
19		18.458	1433	0.000	0

Continued...

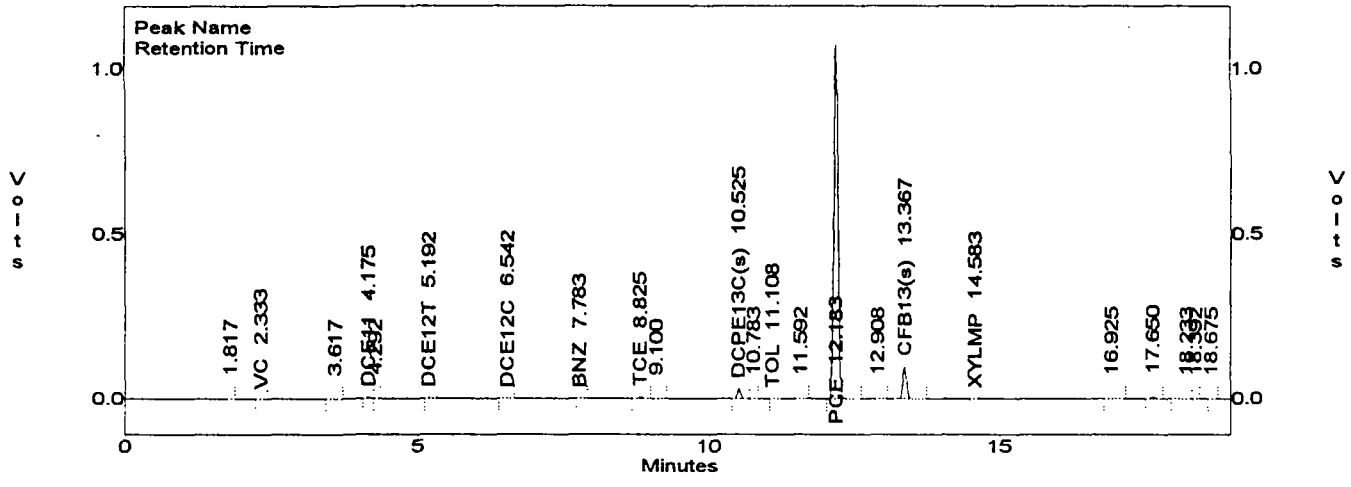
File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
uired : Nov 16, 1995 10:07:12
nted : Nov 16, 1995 10:26:39
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			12433098	3019.469	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
Acquired : Nov 16, 1995 10:07:12
Printed : Nov 16, 1995 10:26:42
User : DQF

C:\LABQUEST\CHROM\OMEGA.057 -- Channel B



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.817	648	0.000	0
2	VC	2.333	1610	2.225	0
3		3.617	543	0.000	0
4	DCE11	4.175	17782	10.656	0
5		4.292	408	0.000	0
6	DCE12T	5.192	4888	1.306	0
7	DCE12C	6.542	1501	0.755	0
8	BNZ	7.783	465	0.111	0
9	TCE	8.825	21439	9.026	0
10		9.100	396	0.000	0
11	DCPE13C(s)	10.525	124846	934.794	0
12		10.783	333	0.000	0
13	TOL	11.108	431	0.112	0
14		11.592	1021	0.000	0
15	PCE	12.183	5439510	2832.231	0
16		12.908	726	0.000	0
17	CFB13(s)	13.367	454473	936.783	0
--	EB	14.417	0	0.000	0
18	XYLMP	14.583	384	0.095	0
--	XYLO	15.592	0	0.000	0
19		16.925	4196	0.000	0
20		17.650	28863	0.000	0
21		18.233	1531	0.000	0
22		18.392	423	0.000	0
23		18.675	1979	0.000	0

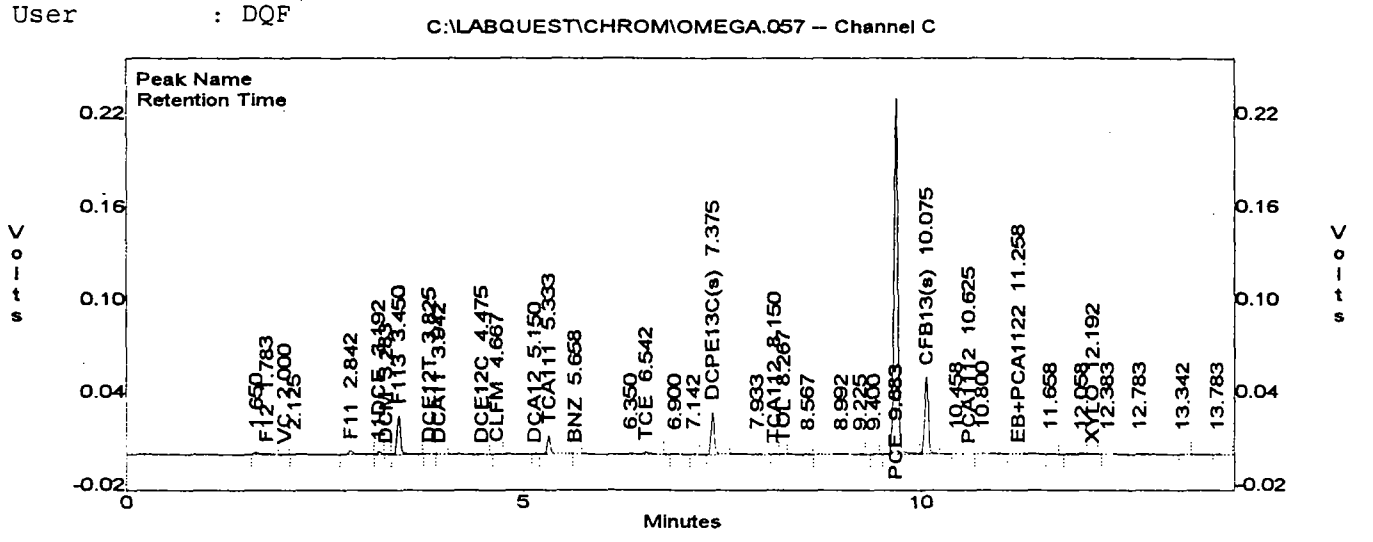
Continued...

File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
Acquired : Nov 16, 1995 10:07:12
Printed : Nov 16, 1995 10:26:44
User : DQF

Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
Totals :			6108404	4728.095	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
Acquired : Nov 16, 1995 10:07:12
Printed : Nov 16, 1995 10:26:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.650	5095	0.000		0
2	F12	1.783	2176	23.704	✓	0
3	VC	2.000	585	0.944		0
4		2.125	1168	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.842	9447	89.695	✓	0
6	11DCE	3.192	5473	13.724		0
7	DCM	3.283	418	1.881	✓	0
8	F113	3.450	78151	391.147	✓	0
9	DCE12T	3.825	1537	3.871	✓	0
10	DCA11	3.942	771	1.874	✓	0
11	DCE12C	4.475	268	0.662		0
12	CLFM	4.667	1326	8.064	✓	0
13	DCA12	5.150	1018	2.518	✓	0
14	TCA111	5.333	34479	108.939	✓	0
15	BNZ	5.658	281	0.188		0
--	CBTC	5.825	0	0.000		0
16		6.350	539	0.000		0
17	TCE	6.542	4417	14.075	✓	0
18		6.900	630	0.000		0
19		7.142	358	0.000		0
20	DCPE13C(s)	7.375	78197	1037.298		0
21		7.933	369	0.000		0
22	TCA112	8.150	243	0.793		0
23	TOL	8.267	473	0.319		0
24		8.567	260	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.057
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-12
uired : Nov 16, 1995 10:07:12
...nted : Nov 16, 1995 10:26:49
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
25		8.992	1721	0.000	0
26		9.225	321	0.000	0
27		9.400	301	0.000	0
28	PCE	9.683	787273	3103.981 ✓	0
29	CFB13(s)	10.075	164976	1011.759	0
30		10.458	962	0.000	0
31	PCA1112	10.625	801	3.240 ✗	0
32		10.800	1520	0.000	0
33	EB+PCA1122	11.258	793	1.099 ✗	0
--	XYLMP	11.525	0	0.000	0
34		11.658	420	0.000	0
35		12.058	1055	0.000	0
36	XYLO	12.192	767	0.449	0
37		12.383	743	0.000	0
38		12.783	704	0.000	0
39		13.342	262	0.000	0
40		13.783	398	0.000	0
ls :			1190711	5820.223	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB2-12	Probe Depth (ft): 12'
Time Sampled: 10:18	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 59.7	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 20
Purge Volume (liters): .75	Equilibrium Time: :03
Purge Time (min.): :02	Sample Volume (ml): 20 mL
Notes:	Syringe ID: A B

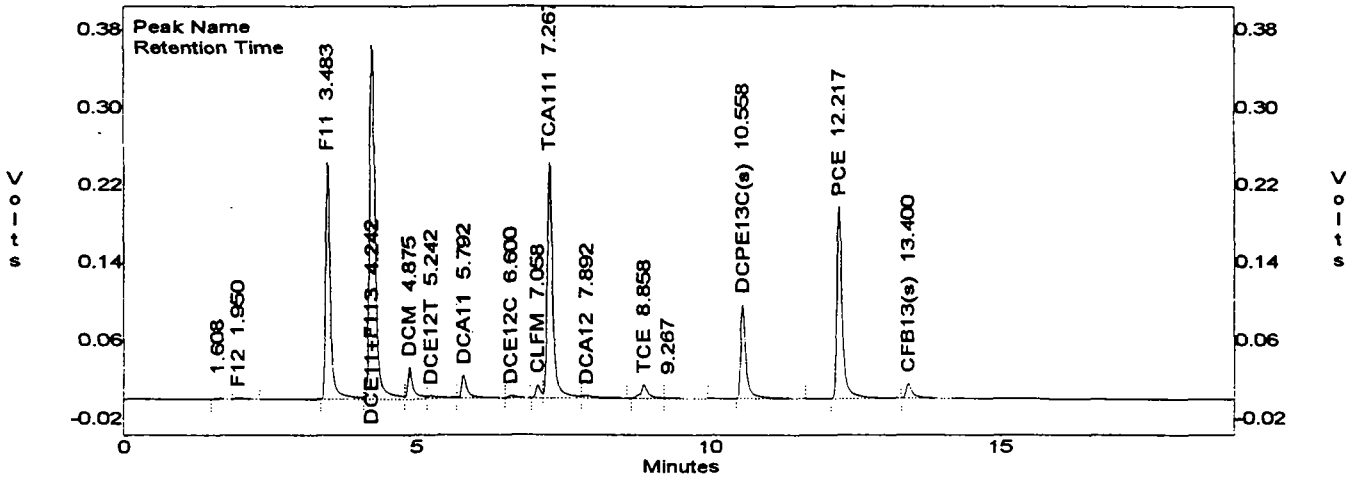
Analytical Summary

Chemist: DGT	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 10:20	Time Injected: 10:26 Loop #: 1

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	24		11DCE	49	
Vinyl Chloride	<1		Benzene	<1	
Chloroethane	↓		Toluene		
Freon 11	260		Ethylbenzene		
Dichloromethane	59		m/p-Xylene		
t-12DCE	3.5		o-Xylene	↓	
11DCA	34				
c-12DCE	7.3				
Chloroforme	16		Freon 113	720	
111TCA	350				
Carbon Tetrachloride	<1				
12DCA	6.2				
TCE	39				
112TCA	<1		% Surr. 1, ELCD	81	
PCE	350		% Surr. 2, ELCD	27	
1112PCA	<1		% Surr. 1, PID	93	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	106	
			% Surr. 2, FID	102	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.058
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-12
Acquired : Nov 16, 1995 10:31:18
Printed : Nov 16, 1995 10:50:44
User : DQF

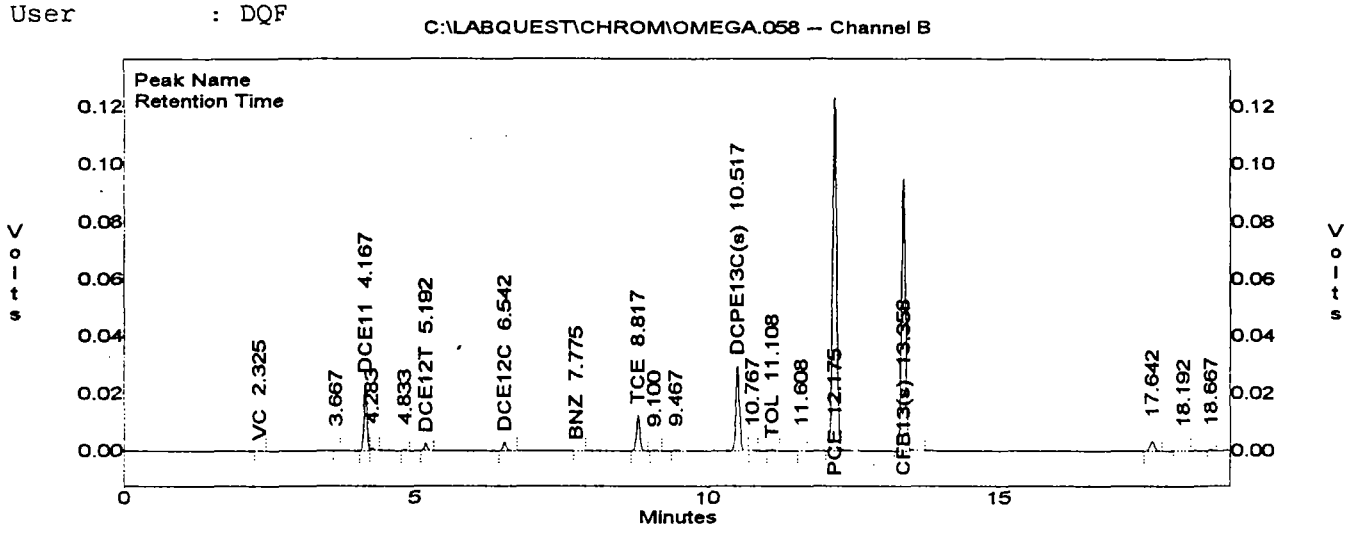
C:\LABQUEST\CHROM\OMEGA.058 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.608	6025	0.000	0
2	F12	1.950	7100	2.447	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.483	1384155	191.147	0
4	DCE11+F113	4.242	2471234	493.746	0
5	DCM	4.875	197710	34.490	0
6	DCE12T	5.242	40151	6.605	0
7	DCA11	5.792	164598	26.173	0
8	DCE12C	6.600	21067	3.620	0
9	CLFM	7.058	70529	9.790	0
10	TCA111	7.267	1582438	220.919	0
--	CBTC	7.592	0	0.000	0
11	DCA12	7.892	37685	6.346	0
12	TCE	8.858	120329	16.830	0
13		9.267	11824	0.000	0
14	DCPE13C(s)	10.558	629677	807.197	0
--	TCA112	12.108	0	0.000	0
15	PCE	12.217	1294017	155.015	0
16	CFB13(s)	13.400	122681	269.305	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			8161228	2243.628	

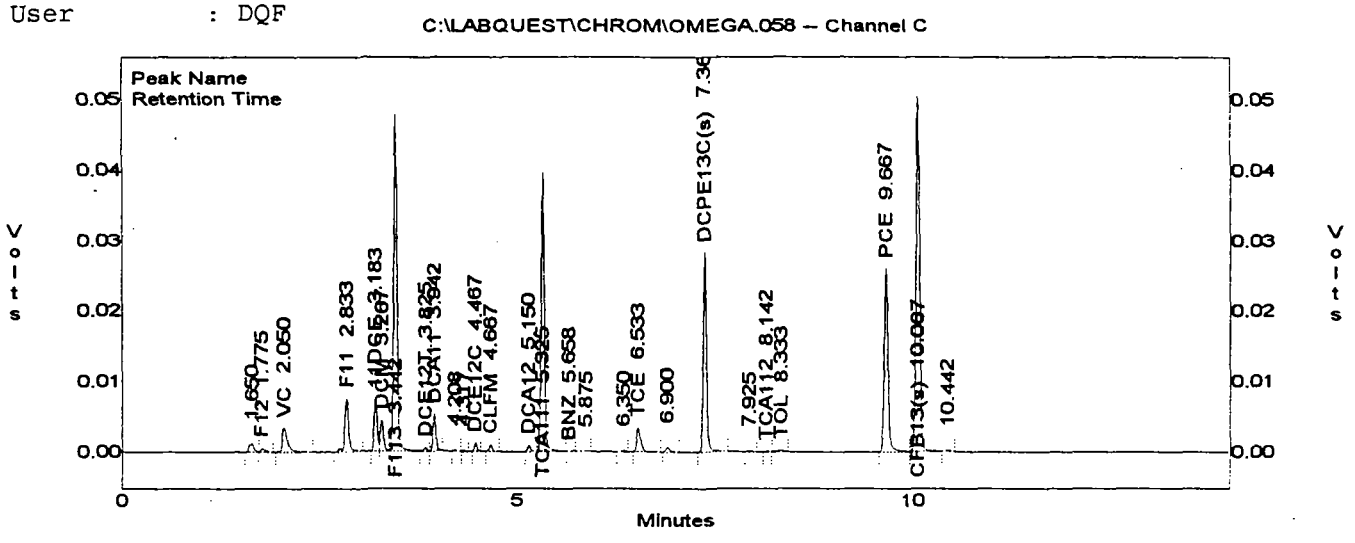
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.058
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-12
Acquired : Nov 16, 1995 10:31:18
Printed : Nov 16, 1995 10:50:49
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.325	1153	1.594	0
2		3.667	353	0.000	0
3	DCE11	4.167	81035	48.557	0
4		4.283	2927	0.000	0
5		4.833	1646	0.000	0
6	DCE12T	5.192	8530	2.280	0
7	DCE12C	6.542	12275	6.173	0
8	BNZ	7.775	324	0.078	0
9	TCE	8.817	51652	21.745	0
10		9.100	555	0.000	0
11		9.467	1600	0.000	0
12	DCPE13C(s)	10.517	124813	934.547	0
13		10.767	535	0.000	0
14	TOL	11.108	1383	0.358	0
15		11.608	331	0.000	0
16	PCE	12.175	602238	313.572	0
17	CFB13(s)	13.358	451831	931.338	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
18		17.642	19429	0.000	0
19		18.192	1016	0.000	0
20		18.667	1061	0.000	0
Totals :			1364692	2260.241	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.058
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-12
Acquired : Nov 16, 1995 10:31:18
Printed : Nov 16, 1995 10:50:53
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.650	5647	0.000		0
2	F12	1.775	2221	24.192	✓	0
3	VC	2.050	17008	27.421	✓	0
--	CLET	2.383	0	0.000		0
4	F11	2.833	26997	256.320	✓	0
5	11DCE	3.183	21167	53.069	✓	0
6	DCM	3.267	13158	59.086	✓	0
7	F113	3.442	144798	724.711	✓	0
8	DCE12T	3.825	1396	3.515	✓	0
9	DCA11	3.942	14000	33.981	✓	0
10		4.208	425	0.000		0
11		4.317	294	0.000		0
12	DCE12C	4.467	2979	7.345	✓	0
13	CLFM	4.667	2660	16.170	✓	0
14	DCA12	5.150	2490	6.159	✓	0
15	TCA111	5.325	112046	354.019	✓	0
16	BNZ	5.658	241	0.161		0
--	CBTC	5.825	0	0.000		0
17		5.875	292	0.000		0
18		6.350	513	0.000		0
19	TCE	6.533	12302	39.201	✓	0
20		6.900	2393	0.000		0
21	DCPE13C(s)	7.367	79979	1060.930		0
22		7.925	317	0.000		0
23	TCA112	8.142	234	0.766		0
24	TOL	8.333	1347	0.907		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.058
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-12
Acquired : Nov 16, 1995 10:31:18
Printed : Nov 16, 1995 10:50:55
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
25	PCE	9.667	89609	353.303	0
26	CFB13(s)	10.067	165774	1016.654	0
27		10.442	752	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	721049	4037.911

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: S61-6'	Probe Depth (ft): 6'
Time Sampled: 10:42	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 60 16°F	Wind dir/speed: CALM

Sample Parameters

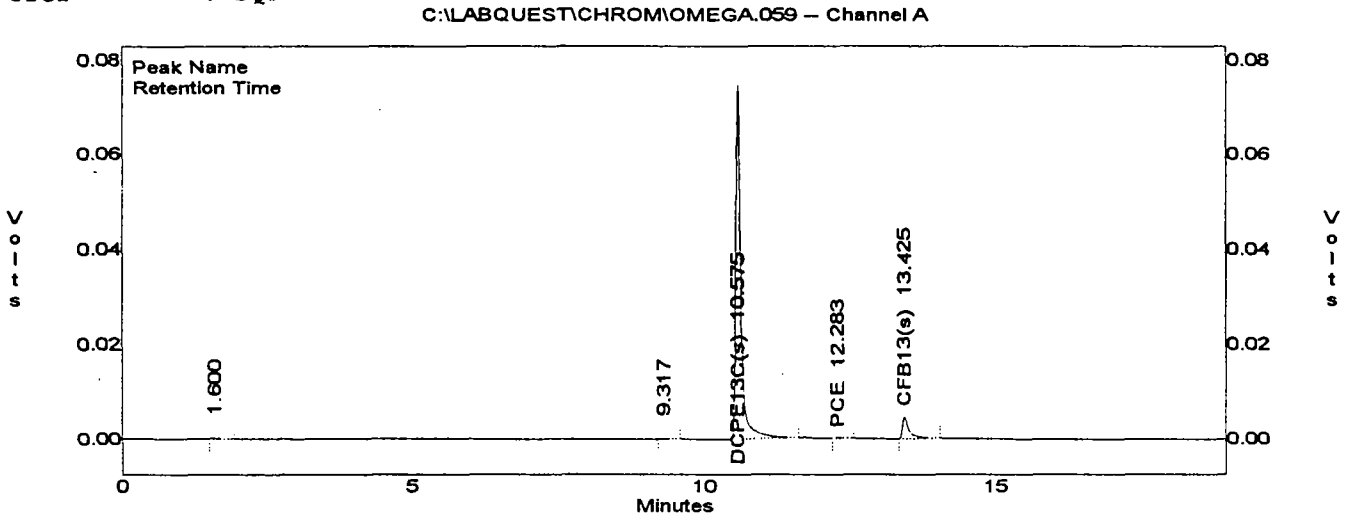
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 21
Purge Volume (liters): .50	Equilibrium Time: :10
Purge Time (min.): :04	Sample Volume (ml): 20ml
Notes:	Syringe ID: A B

Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 10:44	Time Injected: 10:53 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	59
PCE		% Surr. 2, ELCD	85
1112PCA		% Surr. 1, PID	94
1122PCA		% Surr. 2, PID	94
		% Surr. 1, FID	107
		% Surr. 2, FID	103

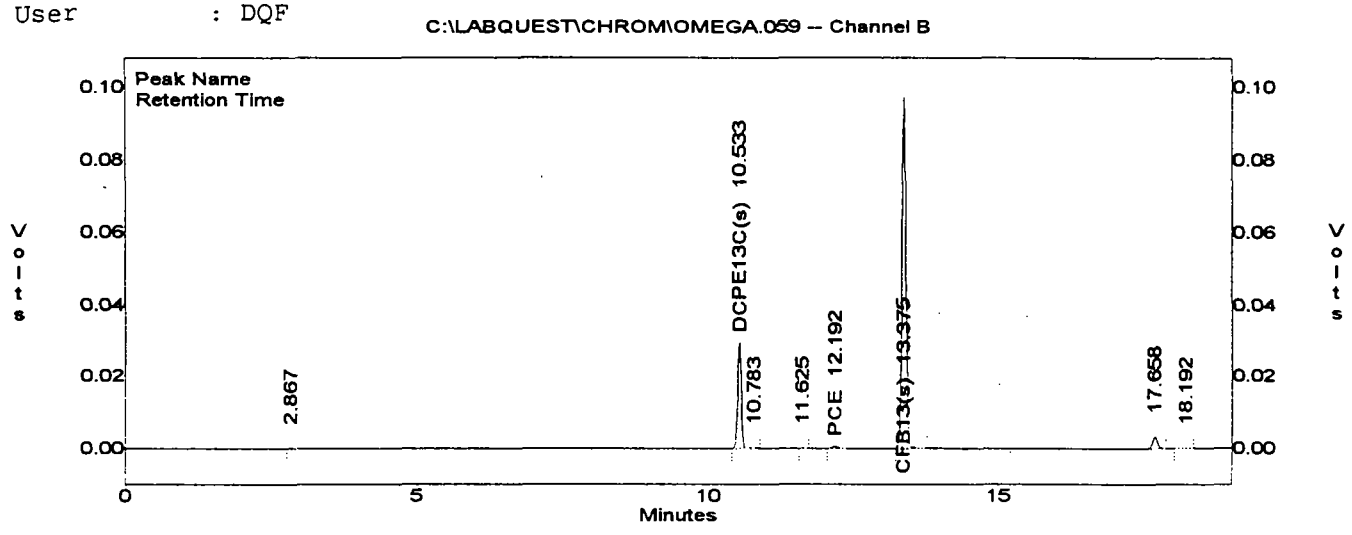
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.059
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-6
Acquired : Nov 16, 1995 10:55:14
Printed : Nov 16, 1995 11:14:38
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.600	2592	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
2		9.317	1539	0.000	0
3	DCPE13C(s)	10.575	462375	592.729	0
--	TCA112	12.108	0	0.000	0
4	PCE	12.283	1562	0.187	0
5	CFB13(s)	13.425	38886	85.362	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			506956	678.278	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.059
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-6
Acquired : Nov 16, 1995 10:55:14
Printed : Nov 16, 1995 11:14:42
User : DQF



Channel B Results

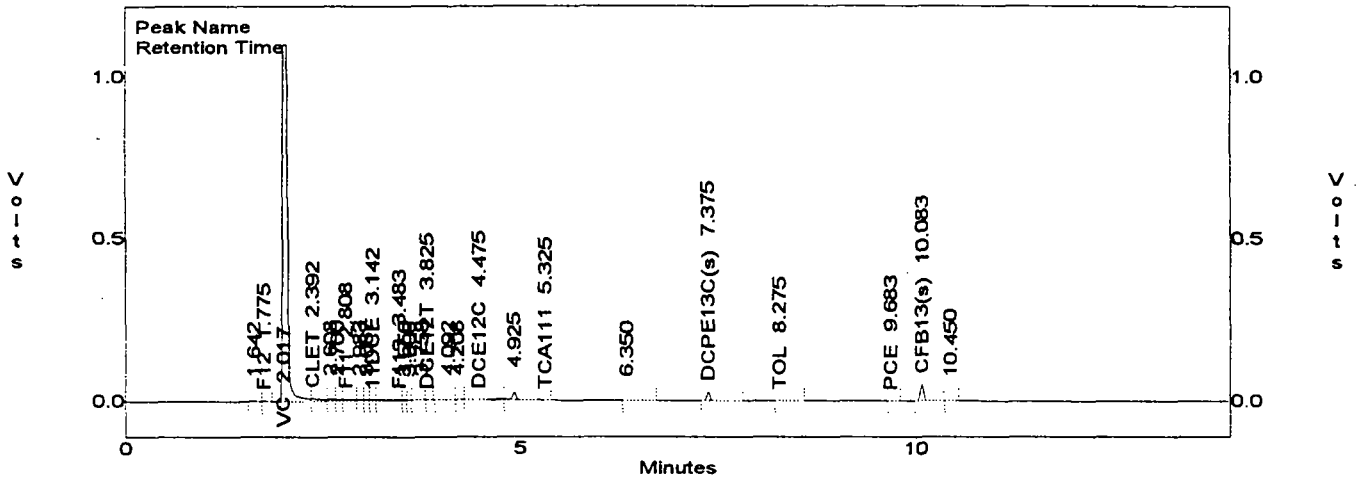
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1		2.867	739	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
2	DCPE13C(s)	10.533	125466	939.435	0
3		10.783	593	0.000	0
--	TOL	11.208	0	0.000	0
4		11.625	313	0.000	0
5	PCE	12.192	3746	1.950	0
6	CFB13(s)	13.375	457683	943.401	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
7		17.658	19253	0.000	0
8		18.192	1088	0.000	0

Totals :

608883 1884.786

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.059
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-6
Acquired : Nov 16, 1995 10:55:14
Printed : Nov 16, 1995 11:14:46
User : DQF

C:\LABQUEST\CHROM\OMEGA.059 — Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.642	4540	0.000	0
2	F12	1.775	805	8.774	0
3	VC	2.017	5105001	8230.276	0
4	CLET	2.392	71023	121.659	0
5		2.608	27386	0.000	0
6		2.700	19148	0.000	0
7	F11	2.808	32298	306.651	0
8		2.983	13037	0.000	0
9		3.067	8057	0.000	0
10	11DCE	3.142	8835	22.152	0
--	DCM	3.283	0	0.000	0
11	F113	3.483	28154	140.912	0
12		3.550	3586	0.000	0
13		3.608	2994	0.000	0
14		3.758	5522	0.000	0
15	DCE12T	3.825	1001	2.521	0
--	DCA11	3.967	0	0.000	0
16		4.092	6478	0.000	0
17		4.208	5472	0.000	0
18	DCE12C	4.475	48477	119.509	0
--	CLFM	4.700	0	0.000	0
19		4.925	79031	0.000	0
--	DCA12	5.192	0	0.000	0
20	TCA111	5.325	315	0.998	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.059
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-6
Acquired : Nov 16, 1995 10:55:14
Printed : Nov 16, 1995 11:14:48
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21		6.350	740	0.000	0
--	TCE	6.592	0	0.000	0
22	DCPE13C(s)	7.375	80294	1065.115	0
--	TCA112	8.108	0	0.000	0
23	TOL	8.275	1023	0.689	0
24	PCE	9.683	352	1.388	0
25	CFB13(s)	10.083	167679	1028.337	0
26		10.450	799	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

5722057	11048.980	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB1-E 12	Probe Depth (ft): 12'
Time Sampled: 10:53	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 62.4°F	Wind dir/speed: CALM

Sample Parameters

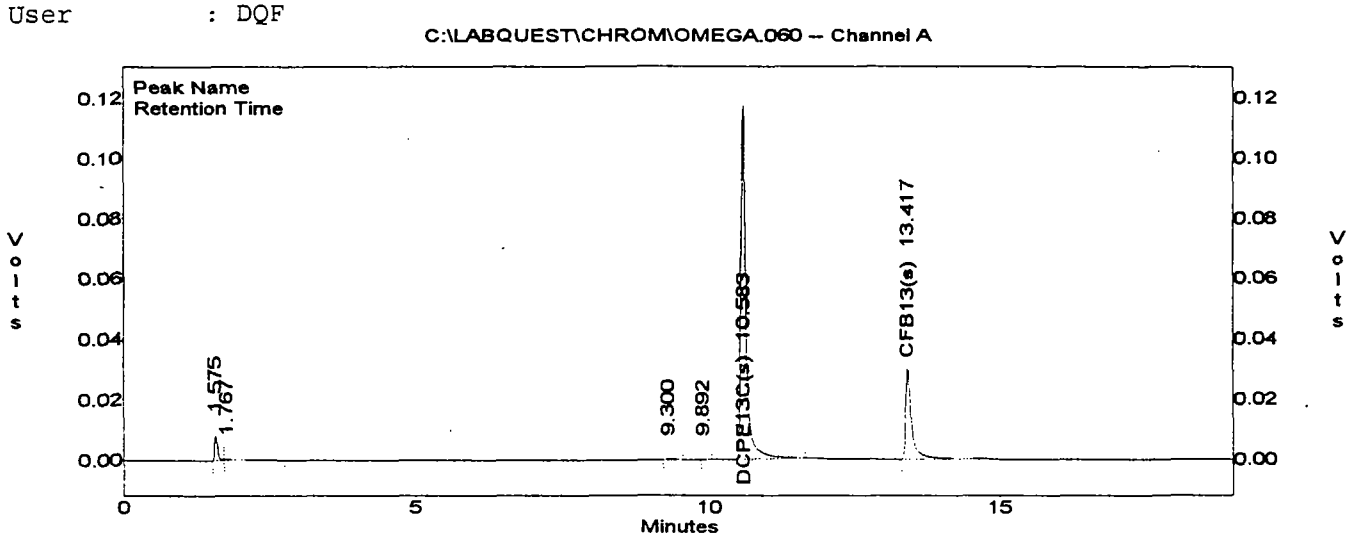
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 20
Purge Volume (liters): .75	Equilibrium Time: 3:00 min
Purge Time (min.): :10	Sample Volume (ml): 20ml
Notes: FD=A	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1ml
Recd. Date: 11/16/95 Time: 10:55	Time Injected: 11:17 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	93
PCE		% Surr. 2, ELCD	49
1112PCA		% Surr. 1, PID	94
1122PCA		% Surr. 2, PID	95
		% Surr. 1, FID	106
		% Surr. 2, FID	104

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.060
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-12
Acquired : Nov 16, 1995 11:19:26
Printed : Nov 16, 1995 11:38:48
User : DQF



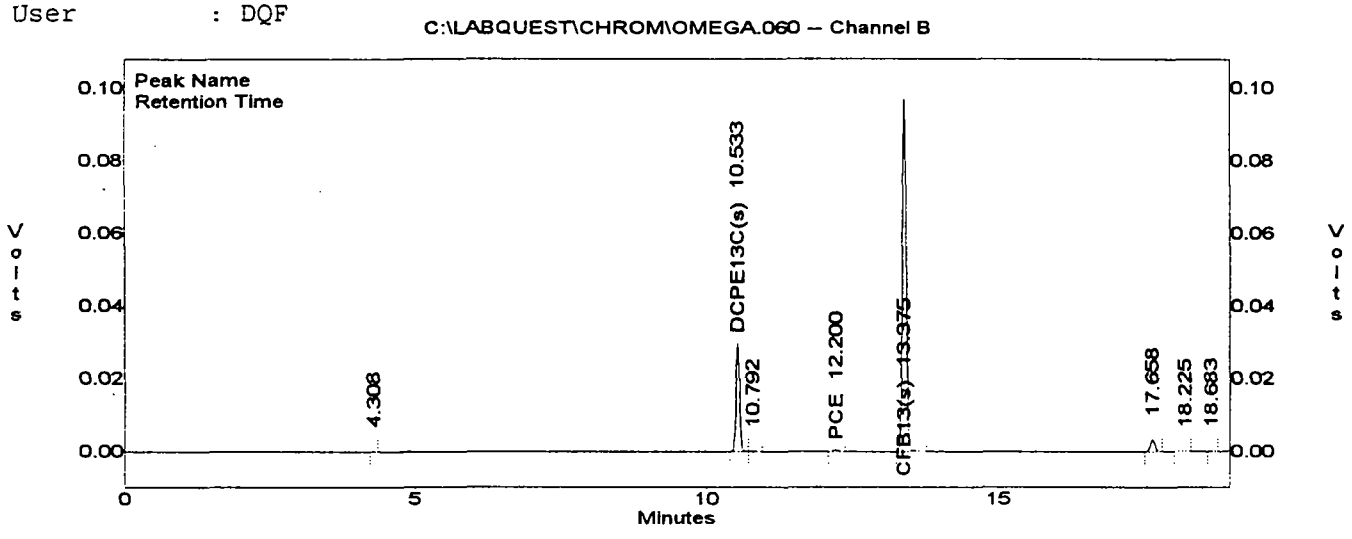
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.575	28869	0.000	0
2		1.767	3065	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
3		9.300	1049	0.000	0
4		9.892	997	0.000	0
5	DCPE13C(s)	10.583	721923	925.449	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
6	CFB13(s)	13.417	221951	487.217	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

977856 1412.667

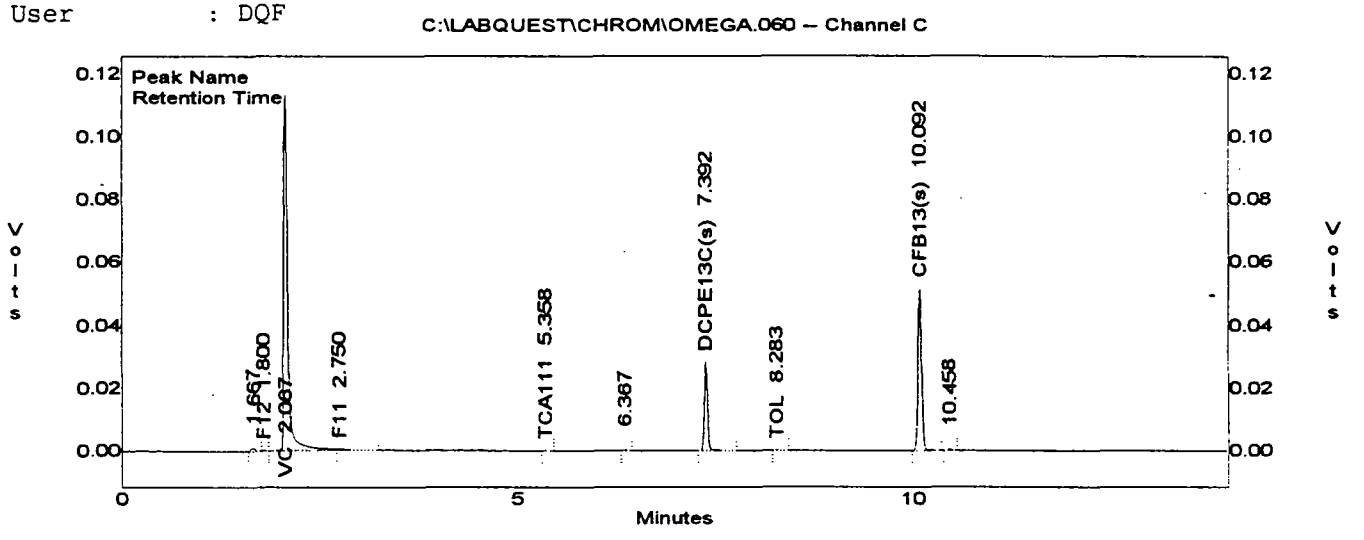
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.060
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-12
Acquired : Nov 16, 1995 11:19:26
Printed : Nov 16, 1995 11:38:52
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
1		4.308	313	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
2	DCPE13C(s)	10.533	125910	942.763	0
3		10.792	1170	0.000	0
--	TOL	11.208	0	0.000	0
4	PCE	12.200	2462	1.282	0
5	CFB13(s)	13.375	459724	947.607	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
6		17.658	19228	0.000	0
7		18.225	945	0.000	0
8		18.683	1160	0.000	0
Totals :			610915	1891.652	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.060
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG1-12
Acquired : Nov 16, 1995 11:19:26
Printed : Nov 16, 1995 11:38:56
User : DQF



Channel C Results

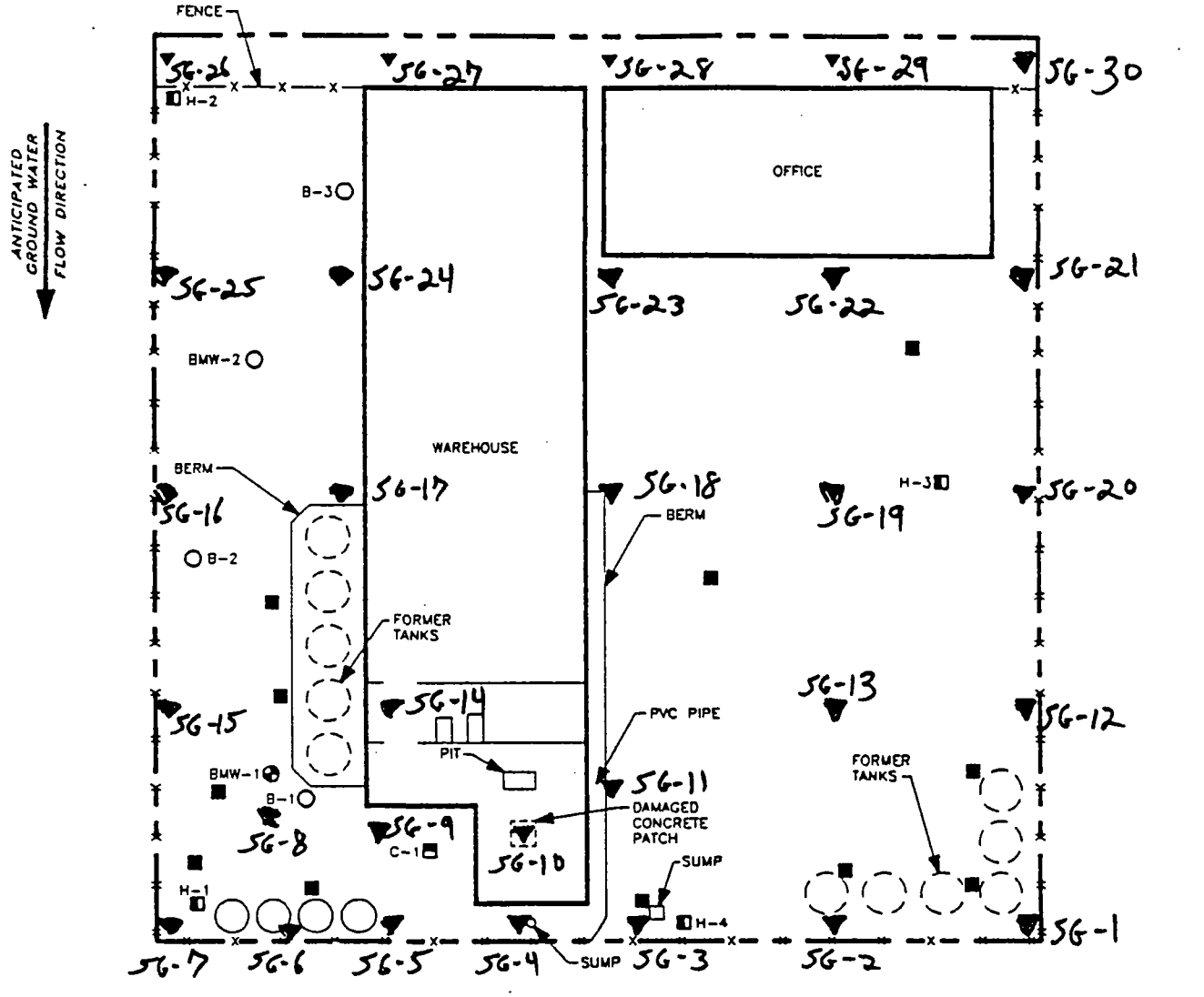
peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	4352	0.000	0
2	F12	1.800	624	6.804	0
3	VC	2.067	423938	683.473	0
--	CLET	2.383	0	0.000	0
4	F11	2.750	5973	56.716	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
5	TCA111	5.358	308	0.975	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
6		6.367	642	0.000	0
--	TCE	6.592	0	0.000	0
7	DCPE13C(s)	7.392	79979	1060.937	0
--	TCA112	8.108	0	0.000	0
8	TOL	8.283	765	0.515	0
--	PCE	9.742	0	0.000	0
9	CFB13(s)	10.092	169036	1036.659	0
10		10.458	656	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

To Dennis England Fr Mike Palmer

30 SOIL GAS SAMPLING LOCATIONS.
CONVENTION FOR SAMPLE ID WILL BE "SG-7-(DEPTH)"
FOR DUPLICATE: "SG-7-(DEPTH)D"

399-A\003E\10/25/95



SYSTEM BLANK: "SB-951114 A" (DATE, A, B, C, ETC.

FIELD BLANK: "FB-951114

0 40 80 FEET
APPROXIMATE SCALE

EXPLANATION

B-2 ○	ENSR SOIL BORING
BMW-1 ⊕	ENSR GROUND WATER MONITORING WELL
▼	PROPOSED SOIL GAS SAMPLE POINT
■	PROPOSED SHALLOW SOIL BORING
H-4 ▮	PROPOSED HYDRO PUNCH/BAT SAMPLE POINT
C-1 ▬	PROPOSED CPT SOIL SAMPLE WITHOUT HYDRO PUNCH

STANDARD: IC 951114 L3
CAL CHECK: CC 951114 A, B, C, ...

NOTE:
ALL LOCATIONS APPROXIMATE AND SUBJECT TO FIELD ADJUSTMENT.

FIGURE 7

PROPOSED SAMPLING LOCATIONS

OMEGA CHEMICAL
WHITTIER, CALIFORNIA
PREPARED FOR
OPOG

ENGLAND & ASSOCIATES
HARGIS + ASSOCIATES, INC.

L1231

England & Associates

Omega Chemical

Whittier, CA

November 13, 1995

A Complete Data Package

HYDRO GEO CHEM, INC.

STANDARD PREPARATION DATA SHEET

Gas Standard Mixture

Date Prepared: 10-25-95 Purpose: _____

Label: CAL 4515 (Calibration) Container: HGCC 8

Chemist: David Feng Signature: _____

Component	Source	Lot #	State	Amount	Unit
VC	Fluka	406201	G	3.5	mL
EtC	Aldrich	5C5101	G	1.75	mL
CLET	Aldrich	5C5301	G	3.5	ml
BTEX Mixture	HGC	BTLM495C6	L	63	µL
Chlorinated Mixture	HGC	~~BTLM495C6~~ CL	L	105	µL

Final Pressure (psig): 205-206 Temperature: _____ Standard Volume (L): 18.2

Compound	Concentration(ug/mL)	Compound	Concentration(ug/mL)
Freon 12	0.519	PCE	0.485
VC	0.536	1112PCA	0.493
Chloroethane	0.554	1122PCA	0.509
Freon 11	0.521	Benzene	0.492
11DCE	0.520	Toluene	0.519
Freon 113	0.494	Ethylbenzene	0.494
DCM	0.479	m ~~XR~~-Xylene	0.496
12TDCE	0.493	o-Xylene	0.503
11DCA	0.493	p-Xylene	0.498
12CDCE	0.493		
CLFM	0.504		
111TCA	0.485		
CBTC	0.501		
12DCA	0.493		
TCE	0.512		
112TCA	0.486		

HYDRO GEO CHEM, INC.

STANDARD PREPARATION DATA SHEET

Stock Liquid Mixture

Date Prepared: 9-19-95

Purpose: _____

Label: BTLM9506

Container: B506

Chemist: DGF

Signature: _____

Compound	Source/Lot#	Mass added (g)	%(w/w)	Concentration (g/mL)
Benzene	SC0102	1.9938	16.384	0.1421
Toluene	SC0203	2.1058	17.305	0.1500
Ethyl Benzene	SC0302	2.0015	16.448	0.1426
m-Xylene	SC0402	2.0115	16.530	0.1433
o-Xylene	SC0503	2.0375	16.744	0.1452
p-Xylene	SC0604	2.0188	16.590	0.1438
Total:				

Aliquote: 100uL Weight: 00875

Aliquote: 100uL Weight: 00860

Aliquote: 100uL Weight: 00866

Aliquote: 1 Weight: _____

Final Density: 0.867 g/mL

Total Volume: _____

HYDRO GEO CHEM, INC.

STANDARD PREPARATION DATA SHEET

Stock Liquid Mixture

Date Prepared: 9-19-95

Purpose: _____

Label: CLCM9506

Container: C506

Chemist: DGF

Signature: _____

Compound	Source/Lot#	Mass added (g)	%(w/w)	Concentration (g/mL)
Freon 11	SC1163	1.1003	6.551	0.0904
Freon 113	SC1202	1.0432	6.210	0.0857
11DCE	SC1323	1.0948	6.530	0.0901
DCM	SC1463	1.0107	6.018	0.0831
12TDCE	SC1505	1.0394	6.185	0.0854
12CDCE	SC1603	1.0349	6.186	0.0854
11DCA	SC1702	1.0404	6.194	0.0855
CLFM	SC1803	1.0626	6.327	0.0873
111TCA	SC1903	1.0225	6.088	0.0840
CATC	SC2003	1.0550	6.299	0.0869
12DCA	SC2102	1.0399	6.191	0.0855
TCE	SC2204	1.0794	6.430	0.0887
112TCA	SC2304	1.0263	6.110	0.0843
DCE	SC2402	1.0232	6.092	0.0841
1112PCA	SC2502	1.0407	6.196	0.0855
1122PCA	SC2603	1.0737	6.393	0.0882
Total:		16.7959	100.00	1.3803

Aliquote: [illegible] Weight: [illegible]
Aliquote: [illegible] Weight: [illegible]
Aliquote: [illegible] Weight: [illegible]
Aliquote: [illegible] Weight: _____

Final Density: 1.3803 g/mL

Total Volume: _____

HYDRO GEO CHEM, INC.

STANDARD CONCENTRATION DATA SHEET

Gas Standard Mixture

Label: CAL9515 Container: HGC-08

Init. Pressure (psig): 0.6 Final Pressure (psig): 30.5 Standard Volume (L) 18.2

Compound	Vol	Unit	Concentration(ug/mL	Calibration Amount (ug) Level 1 10uL	Level 2 50uL	Level 3 200uL	Level 4 1mL
Vinyl Chloride	3.5	mL	0.536	0.00536	0.0268	0.107	0.536
Freon 12	1.75	mL	0.519	0.00519	0.0259	0.104	0.519
Chloroethane	3.5	mL	0.554	0.00554	0.0277	0.111	0.554
Freon 11	105	uL	0.521	0.00521	0.0261	0.104	0.521
11DCE	105	uL	0.520	0.00520	0.0260	0.104	0.520
Freon 113	105	uL	0.494	0.00494	0.0247	0.099	0.494
DCM	105	uL	0.479	0.00479	0.0240	0.096	0.479
12TDCE	105	uL	0.493	0.00493	0.0246	0.099	0.493
11DCA	105	uL	0.493	0.00493	0.0247	0.099	0.493
12CDCE	105	uL	0.493	0.00493	0.0246	0.099	0.493
CLFM	105	uL	0.504	0.00504	0.0252	0.101	0.504
111TCA	105	uL	0.485	0.00485	0.0242	0.097	0.485
CBTC	105	uL	0.501	0.00501	0.0251	0.100	0.501
12DCA	105	uL	0.493	0.00493	0.0247	0.099	0.493
TCE	105	uL	0.512	0.00512	0.0256	0.102	0.512
112TCA	105	uL	0.486	0.00486	0.0243	0.097	0.486
PCE	105	uL	0.485	0.00485	0.0243	0.097	0.485
1112PCA	105	uL	0.493	0.00493	0.0247	0.099	0.493
1122PCA	105	uL	0.509	0.00509	0.0254	0.102	0.509
Benzene	63	uL	0.492	0.00492	0.0246	0.098	0.492
Toluene	63	uL	0.519	0.00519	0.0260	0.104	0.519
Ethylbenzene	63	uL	0.494	0.00494	0.0247	0.099	0.494
m-Xylene	63	uL	0.496	0.00496	0.0248	0.099	0.496
p-Xylene	63	uL	0.498	0.00498	0.0249	0.100	0.498
o-Xylene	63	uL	0.503	0.00503	0.0251	0.101	0.503

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB12-6

Probe Depth (ft): 6'

Time Sampled: 11:24

Sampled by: WM

Date Sampled: 11-16-95

Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST

Ground Surface: CONCRETE

Air Temp. (F): 62.6°F

Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150

Max. Purge Vacuum (in. Hg): 28

Purge Volume (liters): .50

Equilibrium Time: 2:00 min

Purge Time (min.): :04

Sample Volume (ml): 20mL

Notes:

Syringe ID: A B

Analytical Summary

Chemist: DQF

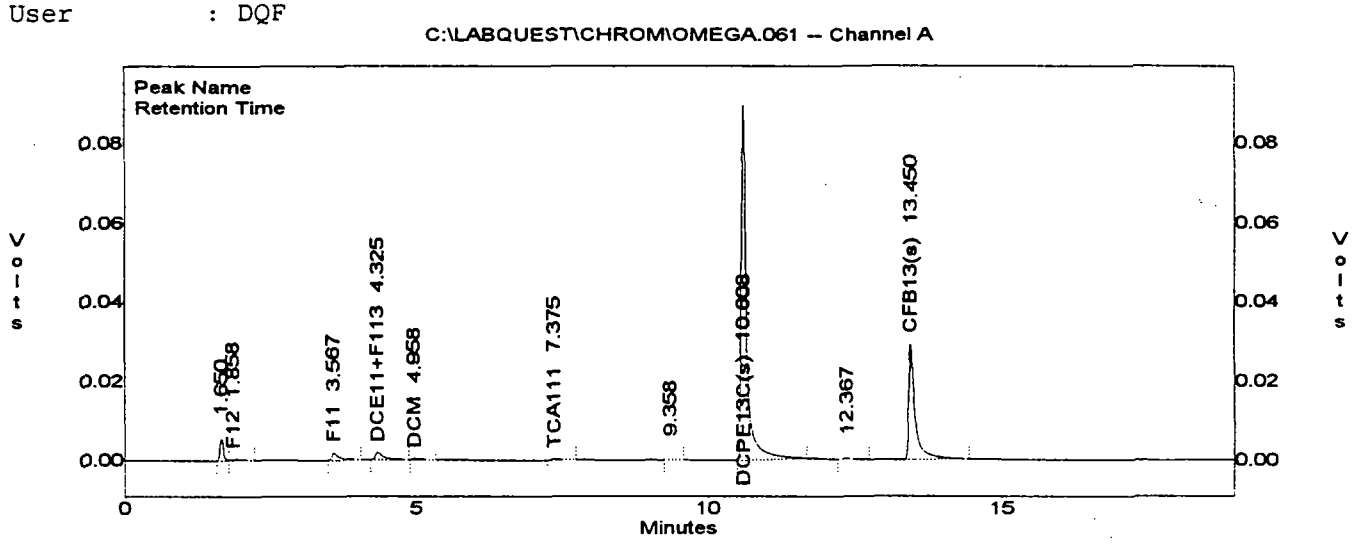
Volume Analyzed: 1mL

Recd. Date: 11/16/95 Time: 11:25

Time Injected: 11:40 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	9.1	11DCE	<1
Vinyl Chloride	<1	Benzene	
Chloroethane	<1	Toluene	
Freon 11	2.8	Ethylbenzene	
Dichloromethane	1.1	m/p-Xylene	
t-12DCE	<1	o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	7.0
111TCA			
Carbon Tetrachloride			
12DCA			
TCE	2.4		
112TCA	<1	% Surr. 1, ELCD	74
PCE		% Surr. 2, ELCD	48
1112PCA		% Surr. 1, PID	95
1122PCA		% Surr. 2, PID	96
		% Surr. 1, FID	107
		% Surr. 2, FID	105

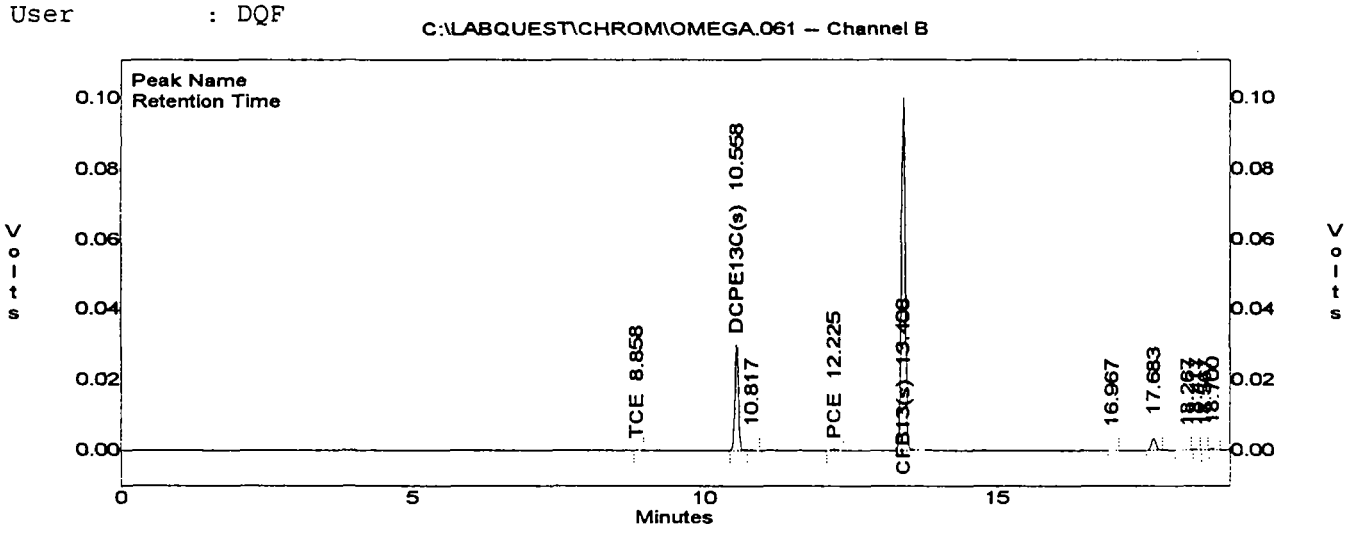
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.061
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-6
Acquired : Nov 16, 1995 11:43:40
Printed : Nov 16, 1995 12:03:06
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	22407	0.000	0
2	F12	1.858	4028	1.388	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.567	16410	2.266	0
4	DCE11+F113	4.325	18168	3.630	0
5	DCM	4.958	2393	0.418	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
6	TCA111	7.375	3559	0.497	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
7		9.358	1109	0.000	0
8	DCPE13C(s)	10.608	575911	738.273	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
9		12.367	1640	0.000	0
10	CFB13(s)	13.450	217769	478.037	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			863397	1224.509	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.061
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-6
Acquired : Nov 16, 1995 11:43:40
Printed : Nov 16, 1995 12:03:10
User : DQF



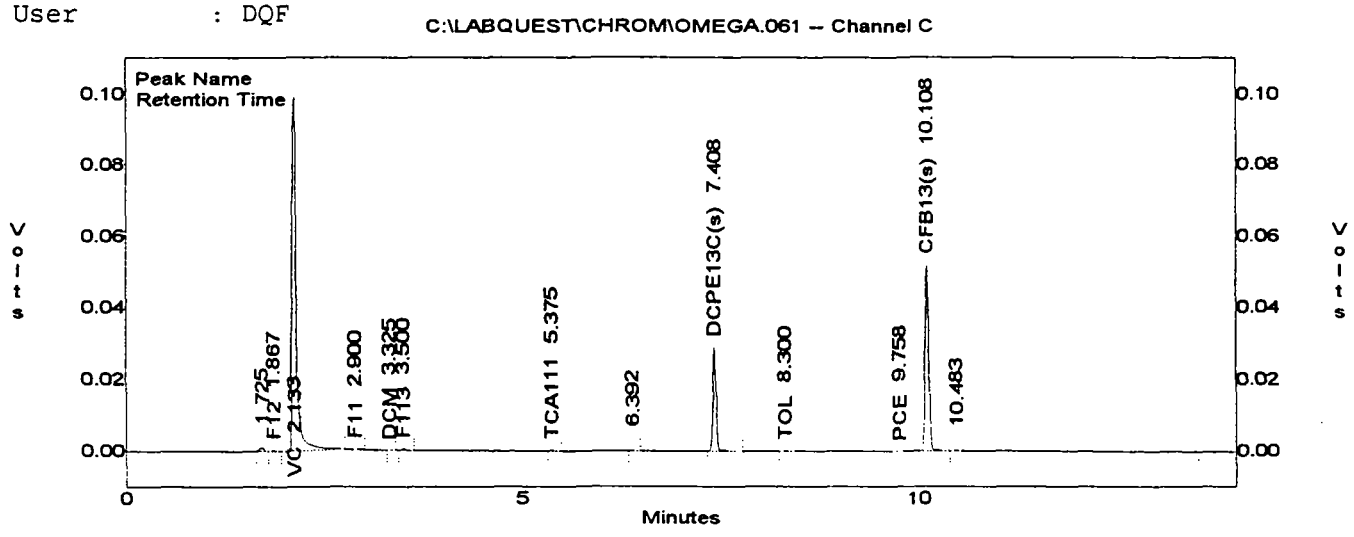
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
1	TCE	8.858	430	0.181	0
2	DCPE13C(s)	10.558	126790	949.352	0
3		10.817	1141	0.000	0
--	TOL	11.208	0	0.000	0
4	PCE	12.225	2849	1.484	0
5	CFB13(s)	13.408	466518	961.611	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
6		16.967	354	0.000	0
7		17.683	19513	0.000	0
8		18.267	807	0.000	0
9		18.417	707	0.000	0
10		18.567	321	0.000	0
11		18.700	2569	0.000	0

Totals :

622003	1912.628	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.061
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-6
Acquired : Nov 16, 1995 11:43:40
Printed : Nov 16, 1995 12:03:14
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.725	4395	0.000		0
2	F12	1.867	835	9.098	✓	0
3	VC	2.133	385194	621.009	✓	0
--	CLET	2.383	0	0.000		0
4	F11	2.900	293	2.782	✓	0
--	11DCE	3.200	0	0.000		0
5	DCM	3.325	253	1.138	✓	0
6	F113	3.500	1396	6.987	✓	0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
7	TCA111	5.375	768	2.428	✓	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
8		6.392	646	0.000		0
--	TCE	6.592	0	0.000		0
9	DCPE13C(s)	7.408	80615	1069.373		0
--	TCA112	8.108	0	0.000		0
10	TOL	8.300	866	0.583		0
11	PCE	9.758	340	1.342	✓	0
12	CFB13(s)	10.108	171794	1053.575		0
13		10.483	673	0.000		0
--	PCA1112	10.633	0	0.000		0
--	EB+PCA1122	11.242	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.061
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-6
Acquired : Nov 16, 1995 11:43:40
Printed : Nov 16, 1995 12:03:15
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	648072	2768.314

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB12-12	Probe Depth (ft): 12'
Time Sampled: ~~1549~~ 11:41	Sampled by: WM
Date Sampled: 11.16.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 63.1	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 16
Purge Volume (liters): .75	Equilibrium Time: :02
Purge Time (min.): :02	Sample Volume (ml): 20mL
Notes: 200 ppm	Syringe ID: A B

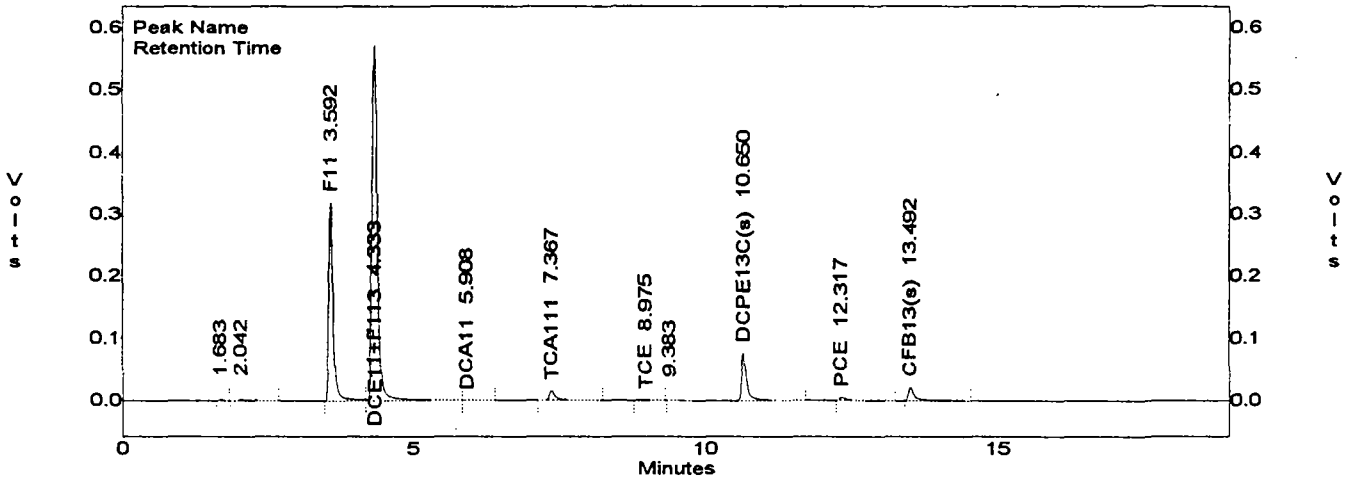
Analytical Summary

Chemist: DOT	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 11:44	Time Injected: 12:03 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	95	
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	410		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	<1		o-Xylene		
11DCA	1.2				
c-12DCE	<1				
Chloroforme	<1		Freon 113	1300	
111TCA	33				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	2.1				
112TCA	<1		% Surr. 1, ELCD	62	
PCE	15		% Surr. 2, ELCD	37	
1112PCA	<1		% Surr. 1, PID	96	
1122PCA	<1		% Surr. 2, PID	98	
			% Surr. 1, FID	109	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.062
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-12
Acquired : Nov 16, 1995 12:07:59
Printed : Nov 16, 1995 12:27:22
User : DQF

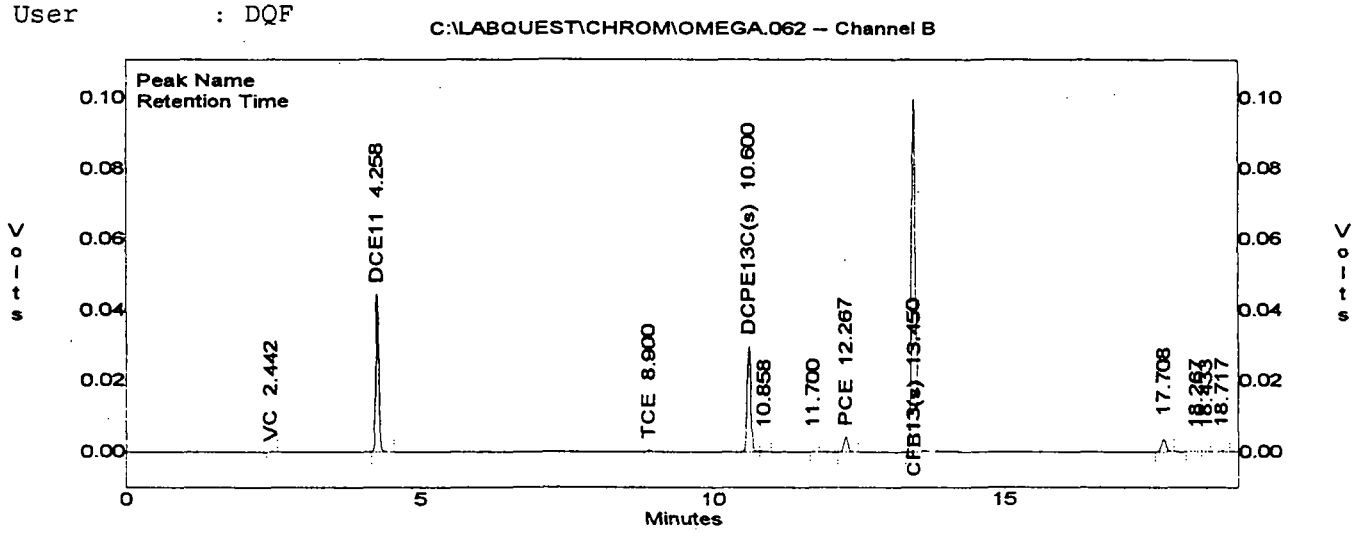
C:\LABQUEST\CHROM\OMEGA.062 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.683	7558	0.000	0
--	F12	1.892	0	0.000	0
2		2.042	21155	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.592	1736894	239.859	0
4	DCE11+F113	4.333	3783754	755.984	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5	DCA11	5.908	8366	1.330	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
6	TCA111	7.367	124591	17.394	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
7	TCE	8.975	8413	1.177	0
8		9.383	1363	0.000	0
9	DCPE13C(s)	10.650	483692	620.056	0
--	TCA112	12.108	0	0.000	0
10	PCE	12.317	51777	6.203	0
11	CFB13(s)	13.492	166805	366.163	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			6394372	2008.165	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.062
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-12
Acquired : Nov 16, 1995 12:07:59
Printed : Nov 16, 1995 12:27:26
User : DQF



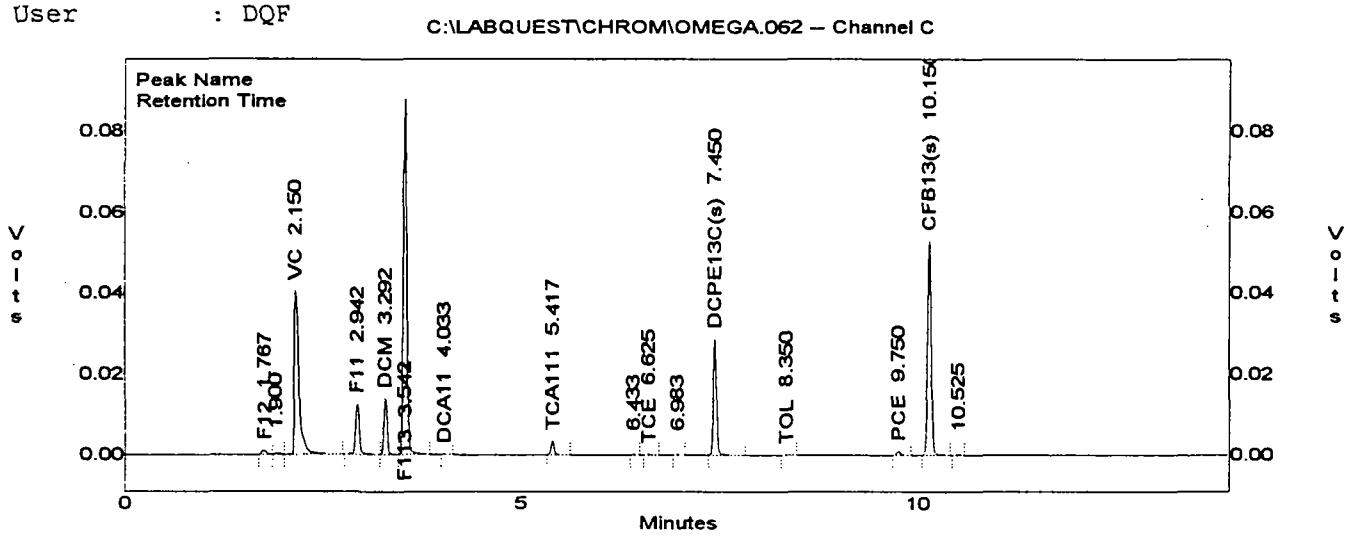
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.442	710	0.982	0
2	DCE11	4.258	159130	95.353 ✓	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
3	TCE	8.900	1891	0.796	0
4	DCPE13C(s)	10.600	128007	958.467	0
5		10.858	1038	0.000	0
--	TOL	11.208	0	0.000	0
6		11.700	320	0.000	0
7	PCE	12.267	22161	11.539	0
8	CFB13(s)	13.450	473256	975.499	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.708	21175	0.000	0
10		18.267	1431	0.000	0
11		18.433	971	0.000	0
12		18.717	1633	0.000	0

Totals :

811727	2042.636	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.062
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-12
Acquired : Nov 16, 1995 12:07:59
Printed : Nov 16, 1995 12:27:30
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.767	5014	54.607		0
2		1.900	2398	0.000		0
3	VC	2.150	174020	280.555		0
--	CLET	2.383	0	0.000		0
4	F11	2.942	43579	413.755		0
--	11DCE	3.200	0	0.000		0
5	DCM	3.292	40804	183.231		0
6	F113	3.542	267893	1340.795		0
--	DCE12T	3.850	0	0.000		0
7	DCA11	4.033	507	1.231		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
8	TCA111	5.417	10372	32.773		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
9		6.433	576	0.000		0
10	TCE	6.625	673	2.146		0
11		6.983	696	0.000		0
12	DCPE13C(s)	7.450	81853	1085.799		0
--	TCA112	8.108	0	0.000		0
13	TOL	8.350	825	0.555		0
14	PCE	9.750	3730	14.706		0
15	CFB13(s)	10.150	175540	1076.543		0
16		10.525	766	0.000		0
--	PCA1112	10.633	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.062
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG12-12
Acquired : Nov 16, 1995 12:07:59
Printed : Nov 16, 1995 12:27:32
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

809252 4486.696

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 13 - 12	Probe Depth (ft): 12'
Time Sampled: 12:10	Sampled by: UJM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: CONCRETE
Air Temp. (F): 66.0°F	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 22
Purge Volume (liters): .75	Equilibrium Time: :03
Purge Time (min.): :03	Sample Volume (ml): 20 mL
Notes: 500 ppm.	Syringe ID: A B

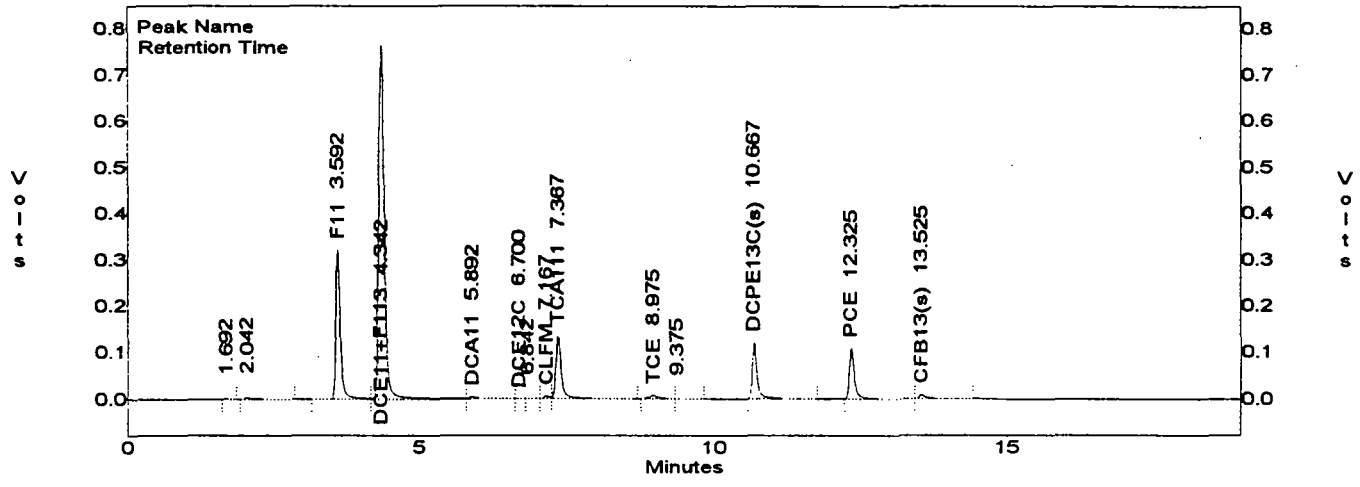
Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 12:12	Time Injected: 12:29 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	270	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	440		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	12				
c-12DCE	<1				
Chloroforme	18		Freon 113	2500	
111TCA	170				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	23				
112TCA	<1		% Surr. 1, ELCD	94	
PCE	160		% Surr. 2, ELCD	18	
1112PCA	<1		% Surr. 1, PID	99	
1122PCA	<1		% Surr. 2, PID	101	
			% Surr. 1, FID	114	
			% Surr. 2, FID	111	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.063
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-12
Acquired : Nov 16, 1995 12:33:30
Printed : Nov 16, 1995 12:52:54
User : DQF

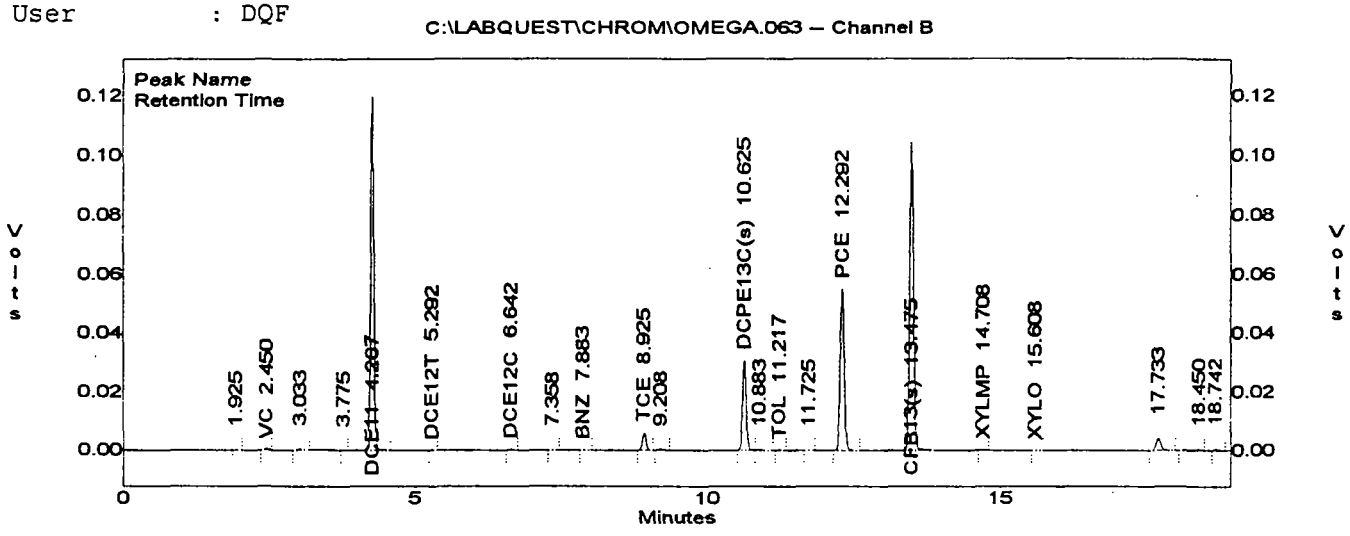
C:\LABQUEST\CHROM\OMEGA.063 – Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	5274	0.000	0
--	F12	1.892	0	0.000	0
2		2.042	35378	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.592	1757741	242.738	0
4	DCE11+F113	4.342	5245687	1048.074	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5	DCA11	5.892	51126	8.130	0
6	DCE12C	6.700	1171	0.201	0
7		6.842	9537	0.000	0
8	CLFM	7.167	41454	5.754	0
9	TCA111	7.367	905251	126.379	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
10	TCE	8.975	84508	11.820	0
11		9.375	7147	0.000	0
12	DCPE13C(s)	10.667	730985	937.065	0
--	TCA112	12.108	0	0.000	0
13	PCE	12.325	717412	85.941	0
14	CFB13(s)	13.525	80904	177.598	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			9673582	2643.701	

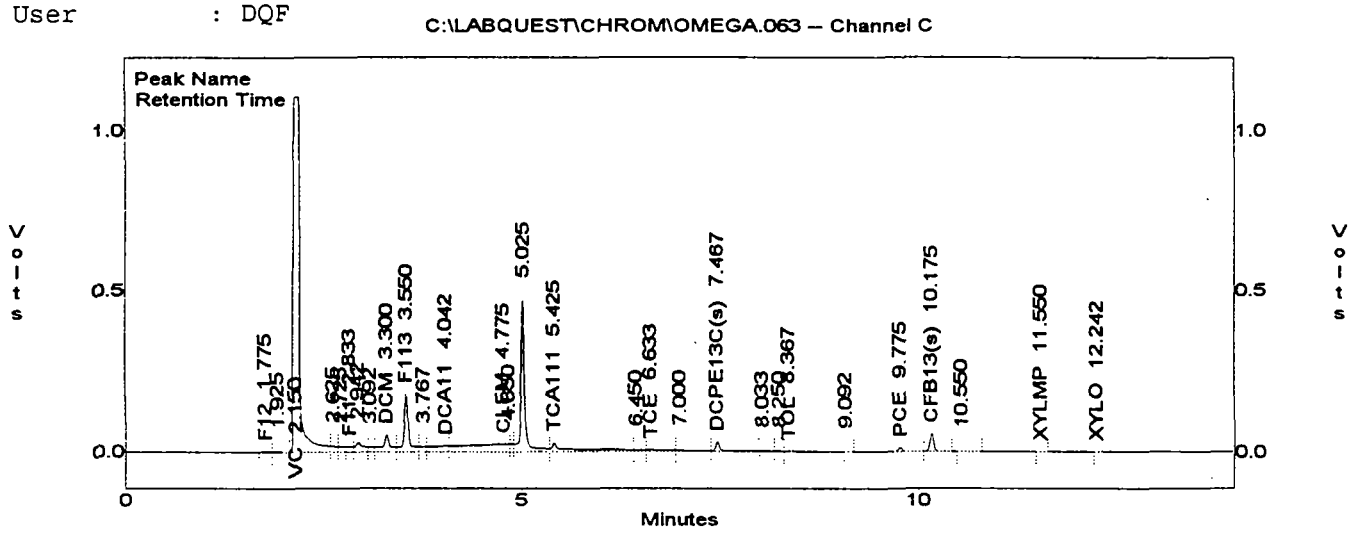
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.063
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-12
Acquired : Nov 16, 1995 12:33:30
Printed : Nov 16, 1995 12:53:00
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.925	529	0.000	0
2	VC	2.450	2003	2.769	0
3		3.033	2700	0.000	0
4		3.775	305	0.000	0
5	DCE11	4.267	443709	265.876 ✓	0
6	DCE12T	5.292	501	0.134	0
7	DCE12C	6.642	1197	0.602	0
8		7.358	362	0.000	0
9	BNZ	7.883	353	0.085	0
10	TCE	8.925	26041	10.963	0
11		9.208	1993	0.000	0
12	DCPE13C(s)	10.625	132475	991.916	0
13		10.883	1398	0.000	0
14	TOL	11.217	565	0.146	0
15		11.725	418	0.000	0
16	PCE	12.292	266089	138.547	0
17	CFB13(s)	13.475	490603	1011.256	0
--	EB	14.417	0	0.000	0
18	XYLMP	14.708	811	0.200	0
19	XYLO	15.608	424	0.126	0
20		17.733	23760	0.000	0
21		18.450	3175	0.000	0
22		18.742	2006	0.000	0
Totals :			1401423	2422.620	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.063
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-12
Acquired : Nov 16, 1995 12:33:30
Printed : Nov 16, 1995 12:53:05
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.775	5299	57.710✗		0
2		1.925	4861	0.000		0
3	VC	2.150	6462558	10418.928✗		0
--	CLET	2.383	0	0.000		0
4		2.625	96597	0.000		0
5		2.725	91528	0.000		0
6	F11	2.833	88706	~~842.201~~✗		0
7		2.942	~~196345~~ 459480	~~0.000~~ 436.24 ✓		0
8		3.092	67867	0.000		0
--	11DCE	3.200	0	0.000		0
9	DCM	3.300	339112	1522.770		0
10	F113	3.550	720815	~~3607.654~~ ✓ 2475.617		0
11		3.767	87476	0.000		0
--	DCE12T	3.850	0	0.000		0
12	DCA11	4.042	264097	~~641.013~~ ✓ 11.76		0
--	DCE12C	4.500	0	0.000		0
13	CLFM	4.775	902679	~~5487.480~~ ✓ 18.38		0
14		4.850	56861	0.000		0
15		5.025	1644797	0.000		0
--	DCA12	5.192	0	0.000		0
16	TCA111	5.425	448585	~~1417.339~~ ✓ 165.9		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
17		6.450	41243	0.000		0
18	TCE	6.633	80751	~~257.323~~ ✓ 23.07		0
19		7.000	53181	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.063
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-12
[redacted]ired : Nov 16, 1995 12:33:30
[redacted]nted : Nov 16, 1995 12:53:08
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
20	DCPE13C(s)	7.467	119957	~~1591.254~~ 1143.060	
21		8.033	4056	0.000	0
--	TCA112	8.108	0	0.000	0
22		8.250	1359	0.000	0
23	TOL	8.367	666	0.448	0
24		9.092	205	0.000	0
25	PCE	9.775	41466	163.489 ✓	0
26	CFB13(s)	10.175	180429	1106.531	0
27		10.550	762	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
28	XYLMP	11.550	379	0.257	0
29	XYLO	12.242	259	0.152	0

Totals :

12002914 27114.549

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB11-6	Probe Depth (ft): 6'
Time Sampled: 12:38	Sampled by: LDM
Date Sampled: 11·16·95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P.Cloudy	Ground Surface: Concrete
Air Temp. (F): 68.5°F	Wind dir/speed: Calm

Sample Parameters

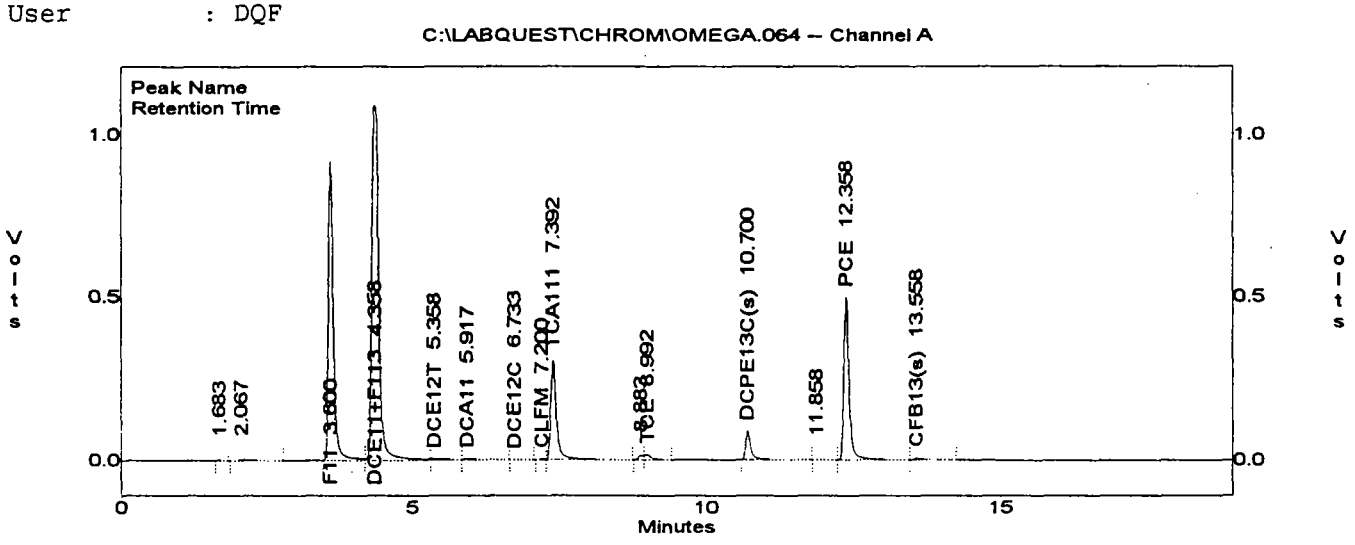
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 11
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 20mL
Notes: 1000 + PPM	Syringe ID: A B

Analytical Summary

Chemist: JQF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 12:40	Time Injected: 12:53 Loop #: 4

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	510	
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	1000		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	4.7		o-Xylene		
11DCA	8.3				
c-12DCE	<1				
Chloroforme	10		Freon 113	3100	
111TCA	510				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	43				
112TCA	<1		% Surr. 1, ELCD	75	
PCE	920		% Surr. 2, ELCD	14	
1112PCA	<1		% Surr. 1, PID	98	
1122PCA	<1		% Surr. 2, PID	101	
			% Surr. 1, FID	119	
			% Surr. 2, FID	111	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.064
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-6
Acquired : Nov 16, 1995 12:58:15
Printed : Nov 16, 1995 13:17:42
User : DQF



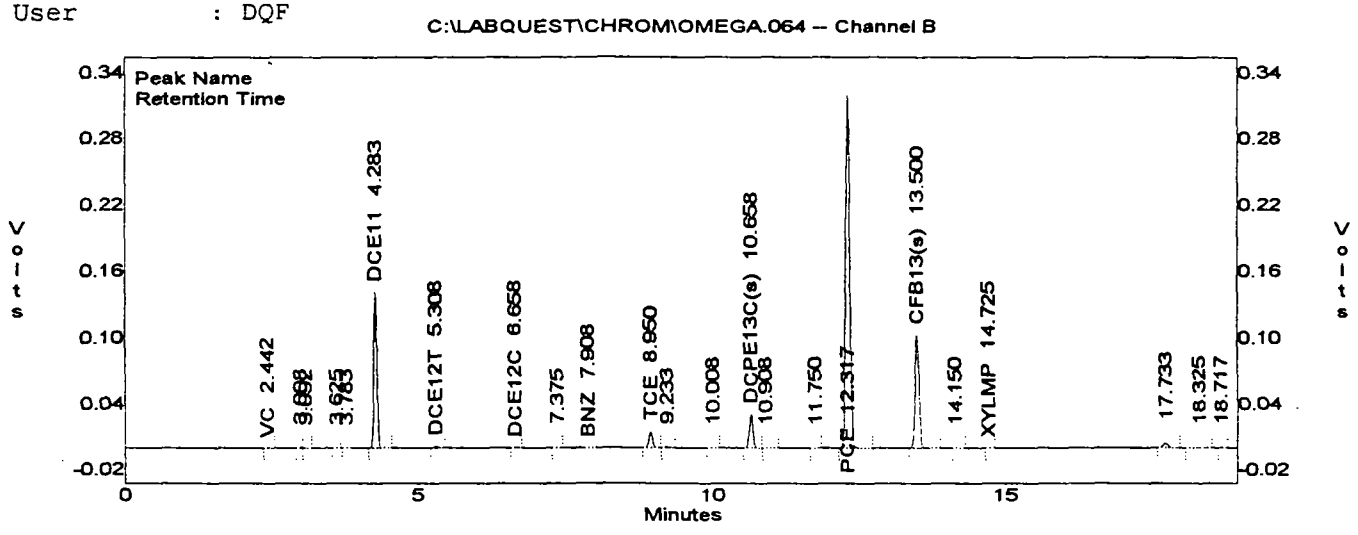
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.683	6404	0.000	0
--	F12	1.892	0	0.000	0
2		2.067	37308	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.600	5470485	755.454	0
4	DCE11+F113	4.358	8894992	1777.196	0
--	DCM	4.925	0	0.000	0
5	DCE12T	5.358	65120	10.712	0
6	DCA11	5.917	64140	10.199	0
7	DCE12C	6.733	2666	0.458	0
8	CLFM	7.200	15648	2.172	0
9	TCA111	7.392	2094114	292.353	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
10		8.883	76323	0.000	0
11	TCE	8.992	134146	18.762	0
12	DCPE13C(s)	10.700	588667	754.625	0
13		11.858	827	0.000	0
--	TCA112	12.108	0	0.000	0
14	PCE	12.358	3178343	380.745	0
15	CFB13(s)	13.558	61662	135.358	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

20690850	4138.035	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.064
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-6
Acquired : Nov 16, 1995 12:58:15
Printed : Nov 16, 1995 13:17:47
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.442	2025	2.800	0
2		3.008	1171	0.000	0
3		3.092	847	0.000	0
4		3.625	433	0.000	0
5		3.783	380	0.000	0
6	DCE11	4.283	515776	309.059	0
7	DCE12T	5.308	7477	1.998	0
8	DCE12C	6.658	2322	1.168	0
9		7.375	332	0.000	0
10	BNZ	7.908	770	0.184	0
11	TCE	8.950	61502	25.892	0
12		9.233	2689	0.000	0
13		10.008	593	0.000	0
14	DCPE13C(s)	10.658	131083	981.492	0
15		10.908	751	0.000	0
--	TOL	11.208	0	0.000	0
16		11.750	468	0.000	0
17	PCE	12.317	1576691	820.948	0
18	CFB13(s)	13.500	490542	1011.131	0
19		14.150	325	0.000	0
--	EB	14.417	0	0.000	0
20	XYLMP	14.725	323	0.080	0
--	XYLO	15.592	0	0.000	0
21		17.733	24219	0.000	0
22		18.325	3997	0.000	0
23		18.717	1126	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.064
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-6
Acquired : Nov 16, 1995 12:58:15
Printed : Nov 16, 1995 13:17:48
User : DQF

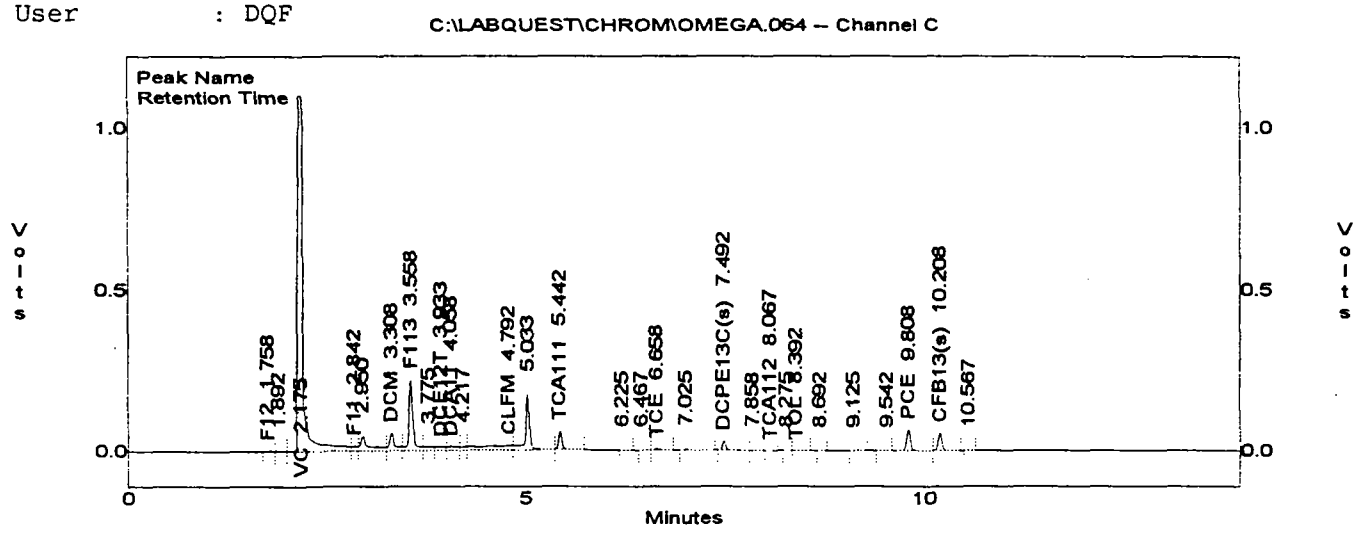
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf

Totals :

		2825850	3154.753

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.064
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-6
Acquired : Nov 16, 1995 12:58:15
Printed : Nov 16, 1995 13:17:51
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.758	4500	49.005		0
2		1.892	4986	0.000		0
3	VC	2.175	5518694	8897.231 X		0
--	CLET	2.383	0	0.000		0
4	F11	2.842	71728	681.007		0
5		2.950	~~352542~~ 105136	0.000 998.187 ✓		0
--	11DCE	3.200	0	0.000		0
6	DCM	3.308	260557	1170.023		0
7	F113	3.558	800630	~~4007.127~~	3143.004	0 ✓
8		3.775	95744	0.000		0
9	DCE12T	3.933	99625	~~250.831~~	4.698	0
10	DCA11	4.058	111251	~~270.028~~	8.312	0
11		4.217	59469	0.000		0
--	DCE12C	4.500	0	0.000		0
12	CLFM	4.792	412431	~~2507.210~~	10.239	0
13		5.033	659361	0.000		0
--	DCA12	5.192	0	0.000		0
14	TCA111	5.442	176691	~~558.268~~	506.549	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
15		6.225	567	0.000		0
16		6.467	696	0.000		0
17	TCE	6.658	14026	~~44.695~~	42.95	0
18		7.025	10521	0.000		0
19	DCPE13C(s)	7.492	89384	~~1185.697~~ ✓		0
20		7.858	394	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.064
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-6
Acquired : Nov 16, 1995 12:58:15
Printed : Nov 16, 1995 13:17:53
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21	TCA112	8.067	733	2.392	0
22		8.275	821	0.000	0
23	TOL	8.392	939	0.632	0
24		8.692	301	0.000	0
25		9.125	620	0.000	0
26		9.542	234	0.000	0
27	PCE	9.808	232445	916.461 ✓	0
28	CFB13(s)	10.208	181626	1113.873 ✓	0
29		10.567	779	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

9162307 21654.482

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB11-12	Probe Depth (ft): 12'
Time Sampled: 12:51	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 67.6°F	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .75	Equilibrium Time: :02
Purge Time (min.): :03	Sample Volume (ml): 20ml
Notes: 1250 + PPM	Syringe ID: A B

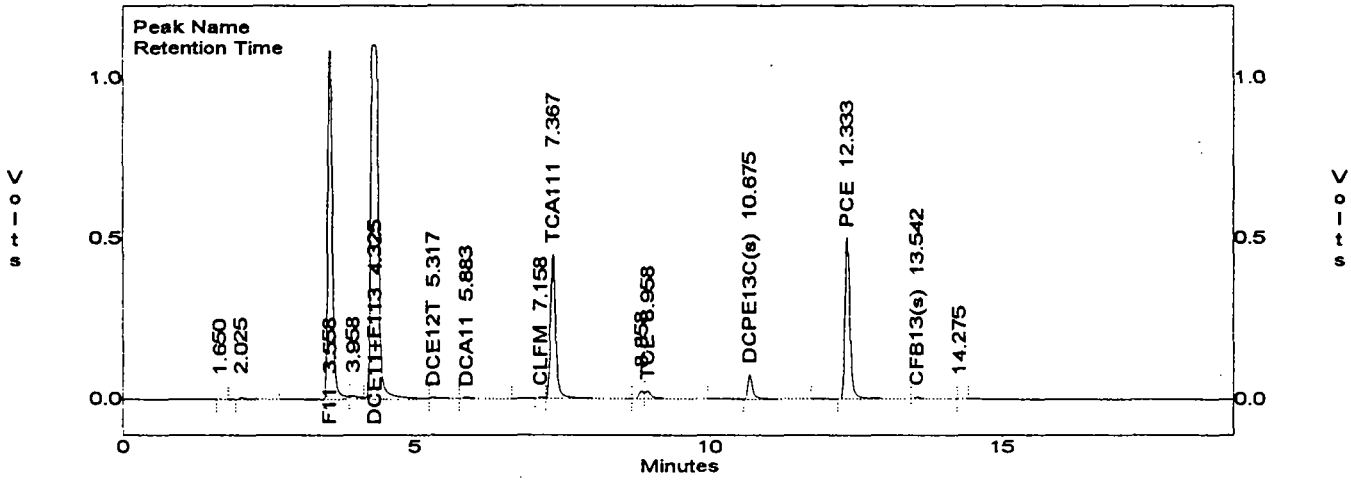
Analytical Summary

Chemist: DOF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 12:55	Time Injected: 13:17 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	480	430
Vinyl Chloride	↓	↓	Benzene	<1	<1
Chloroethane	↓	↓	Toluene	↓	↓
Freon 11	2100	2100	Ethylbenzene	↓	↓
Dichloromethane	<1	<1	m/p-Xylene	↓	↓
t-12DCE	11	<1	o-Xylene	↓	↓
11DCA	17	9.3			
c-12DCE	<1	<1			
Chloroforme	9.6	9.3	Freon 113	6000	3700
111TCA	850	760			
Carbon Tetrachloride	<1	<1			
12DCA	<1	<1			
TCE	71	59			
112TCA	<1	<1	% Surr. 1, ELCD	63	54
PCE	1000	740	% Surr. 2, ELCD	15	14
1112PCA	<1	<1	% Surr. 1, PID	99	94
1122PCA	<1	<1	% Surr. 2, PID	103	96
			% Surr. 1, FID	128	122
			% Surr. 2, FID	114	106

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:25
User : DQF

C:\LABQUEST\CHROM\OMEGA.065 – Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	3312	0.000	0
--	F12	1.892	0	0.000	0
2		2.025	52028	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.558	6253987	863.653	0
4		3.958	103075	0.000	0
5	DCE11+F113	4.325	10149346	2027.812	0
--	DCM	4.925	0	0.000	0
6	DCE12T	5.317	73539	12.097	0
7	DCA11	5.883	62287	9.904	0
--	DCE12C	6.650	0	0.000	0
8	CLFM	7.158	25239	3.503	0
9	TCA111	7.367	2843849	397.021	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
10		8.858	144081	0.000	0
11	TCE	8.958	216391	30.266	0
12	DCPE13C(s)	10.675	489336	627.291	0
--	TCA112	12.108	0	0.000	0
13	PCE	12.333	3086842	369.784	0
14	CFB13(s)	13.542	68094	149.478	0
15		14.275	934	0.000	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

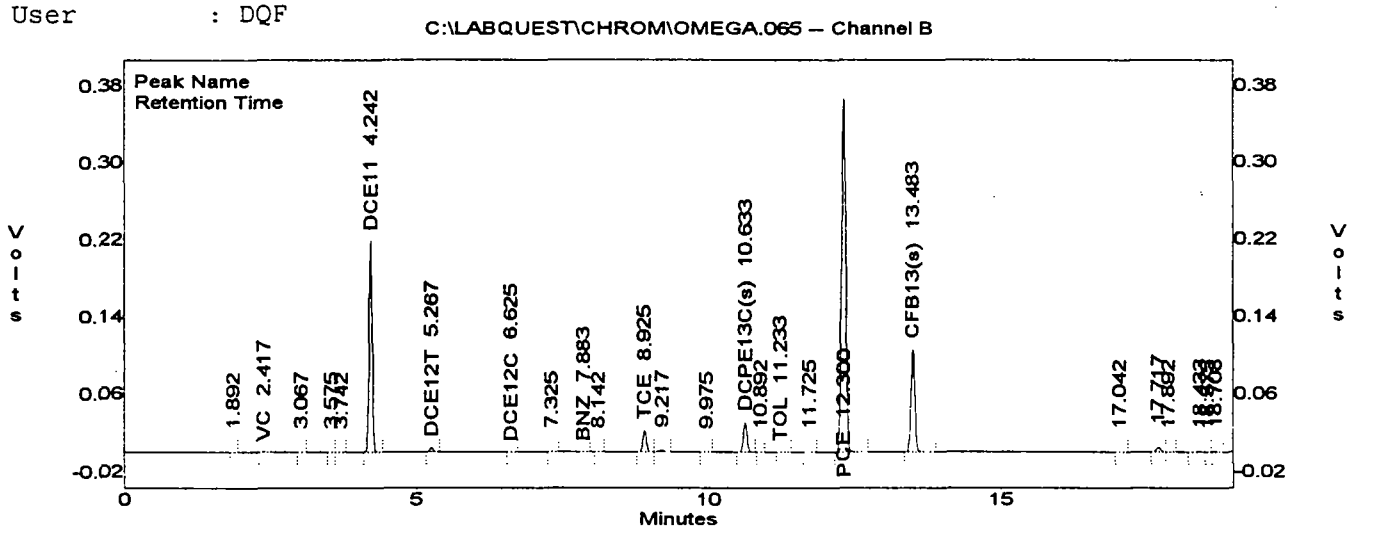
Continued...

File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:27
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			23572346	4490.809	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:30
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.892	429	0.000	0
2	VC	2.417	3038	4.199	0
3		3.067	952	0.000	0
4		3.575	691	0.000	0
5		3.742	512	0.000	0
6	DCE11	4.242	805179	482.474	0
7	DCE12T	5.267	15956	4.265	0
8	DCE12C	6.625	1212	0.610	0
9		7.325	399	0.000	0
10	BNZ	7.883	1325	0.317	0
11		8.142	478	0.000	0
12	TCE	8.925	92451	38.922	0
13		9.217	6404	0.000	0
14		9.975	1137	0.000	0
15	DCPE13C(s)	10.633	132426	991.550	0
16		10.892	416	0.000	0
17	TOL	11.233	451	0.117	0
18		11.725	720	0.000	0
19	PCE	12.300	1808665	941.731	0
20	CFB13(s)	13.483	500560	1031.780	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
21		17.042	672	0.000	0
22		17.717	24845	0.000	0
23		17.892	499	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:31
User : DQF

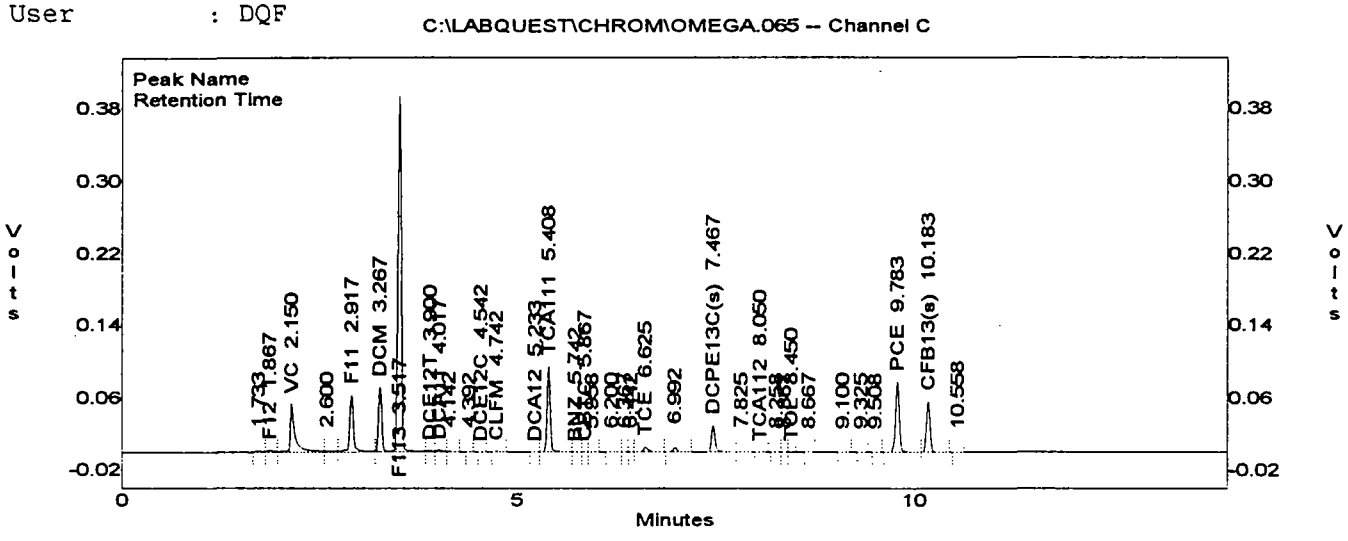
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24		18.433	2464	0.000	0
25		18.575	715	0.000	0
26		18.708	3256	0.000	0

Totals :

	3405859	3495.964

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:35
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.733	5272	0.000	0
2	F12	1.867	10888	118.558	0
3	VC	2.150	235111	379.047	0
--	CLET	2.383	0	0.000	0
4		2.600	10601	0.000	0
5	F11	2.917	221014	2098.351	0
--	11DCE	3.200	0	0.000	0
6	DCM	3.267	214765	964.394	0
7	F113	3.517	1194309	5977.476	0
8	DCE12T	3.900	4374	11.013	0
9	DCA11	4.017	6923	16.806	0
10		4.142	1251	0.000	0
11		4.392	522	0.000	0
12	DCE12C	4.542	385	0.949	0
13	CLFM	4.742	1577	9.590	0
14	DCA12	5.233	1000	2.473	0
15	TCA111	5.408	269792	852.428	0
16	BNZ	5.742	1611	1.076	0
17	CBTC	5.867	503	3.580	0
18		5.958	788	0.000	0
19		6.200	1555	0.000	0
20		6.367	395	0.000	0
21		6.442	465	0.000	0
22	TCE	6.625	22375	71.303	0
23		6.992	18378	0.000	0
24	DCPE13C(s)	7.467	96744	1283.325	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.065
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12
Acquired : Nov 16, 1995 13:22:58
Printed : Nov 16, 1995 13:42:36
User : DQF

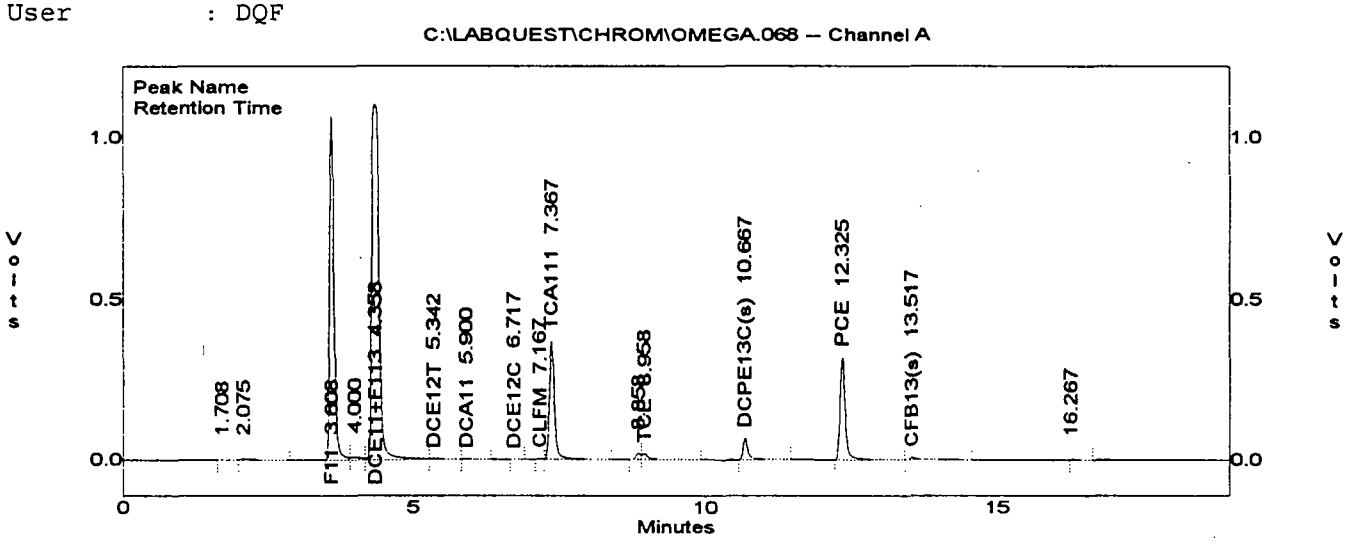
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
25		7.825	1127	0.000	0
26	TCA112	8.050	1083	3.534	0
27		8.258	1995	0.000	0
28		8.367	899	0.000	0
29	TOL	8.450	463	0.312	0
30		8.667	659	0.000	0
31		9.100	1172	0.000	0
32		9.325	254	0.000	0
33		9.508	315	0.000	0
34	PCE	9.783	264566	1043.105	0
35	CFB13(s)	10.183	185379	1136.886	0
36		10.558	665	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

2779187 13974.207

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
Acquired : Nov 16, 1995 14:37:51
Printed : Nov 16, 1995 14:57:18
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.708	4203	0.000	0
--	F12	1.892	0	0.000	0
2		2.075	39922	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.608	5828641	804.914	0
4		4.000	98224	0.000	0
5	DCE11+F113	4.358	9480666	1894.212	0
--	DCM	4.925	0	0.000	0
6	DCE12T	5.342	54493	8.964	0
7	DCA11	5.900	32401	5.152	0
8	DCE12C	6.717	788	0.135	0
9	CLFM	7.167	19646	2.727	0
10	TCA111	7.367	2309797	322.464	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
11		8.858	111727	0.000	0
12	TCE	8.958	154863	21.660	0
13	DCPE13C(s)	10.667	422845	542.055	0
--	TCA112	12.108	0	0.000	0
14	PCE	12.325	1998706	239.432	0
15	CFB13(s)	13.517	62759	137.766	0
--	PCA1112	14.383	0	0.000	0
16		16.267	6960	0.000	0
--	PCA1122	17.358	0	0.000	0

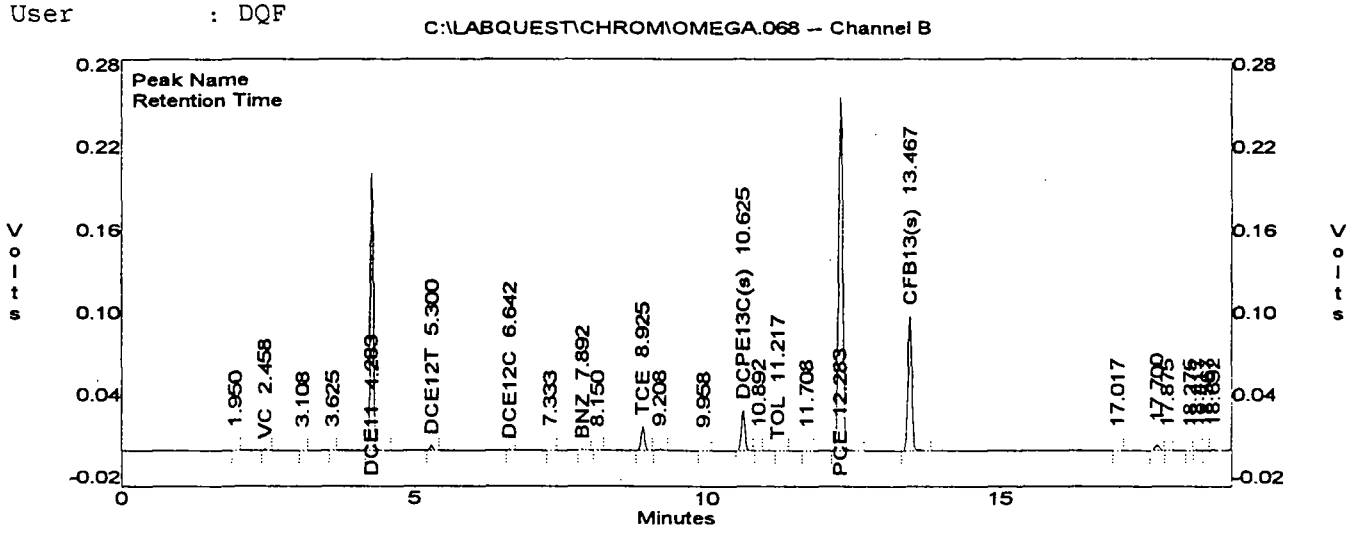
Continued...

File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
Acquired : Nov 16, 1995 14:37:51
Printed : Nov 16, 1995 14:57:20
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			20626648	3979.481	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
Acquired : Nov 16, 1995 14:37:51
Printed : Nov 16, 1995 14:57:23
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.950	425	0.000		0
2	VC	2.458	2762	3.818	✓	0
3		3.108	871	0.000		0
4		3.625	634	0.000		0
5	DCE11	4.283	723994	433.827	✓	0
6	DCE12T	5.300	13209	3.531		0
7	DCE12C	6.642	1012	0.509		0
8		7.333	403	0.000		0
9	BNZ	7.892	1164	0.278		0
10		8.150	405	0.000		0
11	TCE	8.925	70846	29.826		0
12		9.208	4940	0.000		0
13		9.958	901	0.000		0
14	DCPE13C(s)	10.625	125742	941.507		0
15		10.892	398	0.000		0
16	TOL	11.217	421	0.109		0
17		11.708	628	0.000		0
18	PCE	12.283	1268628	660.546		0
19	CFB13(s)	13.467	463386	955.156		0
--	EB	14.417	0	0.000		0
--	XYLMP	14.700	0	0.000		0
--	XYLO	15.592	0	0.000		0
20		17.017	664	0.000		0
21		17.700	20668	0.000		0
22		17.875	489	0.000		0
23		18.275	366	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
Acquired : Nov 16, 1995 14:37:51
Printed : Nov 16, 1995 14:57:25
User : DQF

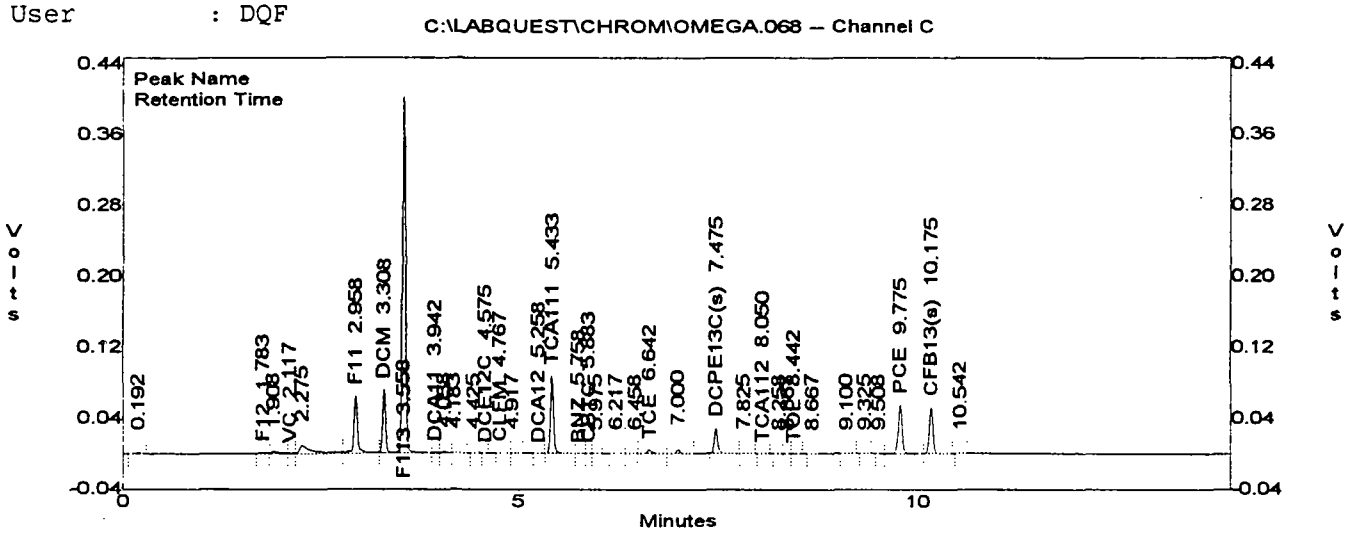
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24		18.417	1695	0.000	0
25		18.567	896	0.000	0
26		18.692	3894	0.000	0

Totals :

	2709452	3029.107

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
Acquired : Nov 16, 1995 14:37:51
Printed : Nov 16, 1995 14:57:28
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		0.192	875	0.000		0
2	F12	1.783	5619	61.192		0
3		1.908	14008	0.000		0
4	VC	2.117	3617	5.832		0
5		2.275	97246	0.000		0
--	CLET	2.383	0	0.000		0
6	F11	2.958	218438	2073.896	✓	0
--	11DCE	3.200	0	0.000		0
7	DCM	3.308	194745	874.496		0
8	F113	3.558	1140720	5709.264	✓	0
--	DCE12T	3.850	0	0.000		0
9	DCA11	3.942	3818	9.268	✓	0
10		4.058	6762	0.000		0
11		4.183	1485	0.000		0
12		4.425	457	0.000		0
13	DCE12C	4.575	343	0.846		0
14	CLFM	4.767	1524	9.270	✓	0
15		4.917	208	0.000		0
16	DCA12	5.258	861	2.131		0
17	TCA111	5.433	242097	764.925	✓	0
18	BNZ	5.758	1358	0.907		0
19	CBTC	5.883	435	3.098	*	0
20		5.975	628	0.000		0
21		6.217	1458	0.000		0
22		6.458	914	0.000		0
23	TCE	6.642	18370	58.540	✓	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.068
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG11-12D
quired : Nov 16, 1995 14:37:51
nted : Nov 16, 1995 14:57:30
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24		7.000	16474	0.000	0
25	DCPE13C(s)	7.475	91691	1216.299	0
26		7.825	964	0.000	0
27	TCA112	8.050	1041	3.397	0
28		8.258	1683	0.000	0
29		8.367	812	0.000	0
30	TOL	8.442	383	0.258	0
31		8.667	659	0.000	0
32		9.100	892	0.000	0
33		9.325	333	0.000	0
34		9.508	210	0.000	0
35	PCE	9.775	188443	742.977 ✓	0
36	CFB13(s)	10.175	173301	1062.814	0
37		10.542	576	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0
..tals :			2433465	12599.411	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SL20-12'	Probe Depth (ft): 12'
Time Sampled: 13:25	Sampled by: WM
Date Sampled: 11/16/95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: concrete
Air Temp. (F): 69.1°F	Wind dir/speed: Calm

Sample Parameters

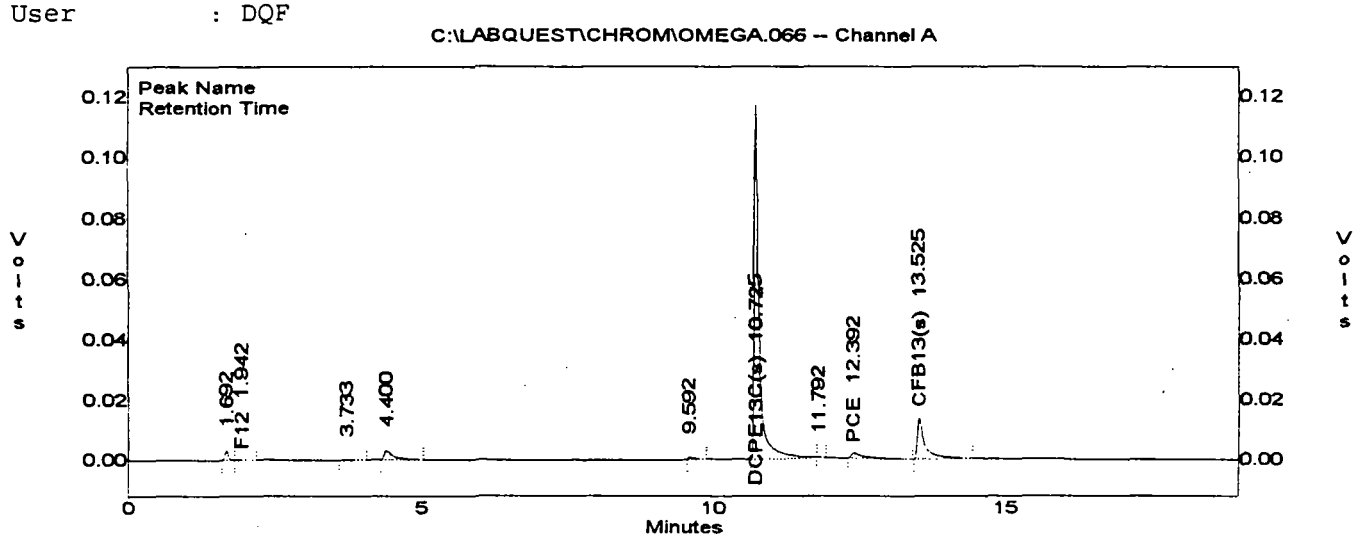
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 26
Purge Volume (liters): .75	Equilibrium Time: :03
Purge Time (min.): :03	Sample Volume (ml): 20mL
Notes: 375 ppm	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 13:30	Time Injected: 13:44 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	4.4	113
Vinyl Chloride			Benzene	<1	<1
Chloroethane			Toluene		
Freon 11		210	Ethylbenzene		
Dichloromethane		<1	m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	15	1500
111TCA	2.1	13			
Carbon Tetrachloride	<1	<1			
12DCA		<1			
TCE		2.5			
112TCA		<1	% Surr. 1, ELCD	88	65
PCE		11	% Surr. 2, ELCD	27	9
1112PCA		<1	% Surr. 1, PID	94	96
1122PCA		<1	% Surr. 2, PID	102	98
			% Surr. 1, FID	110	106
			% Surr. 2, FID	112	108

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.066
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12
Acquired : Nov 16, 1995 13:47:38
Printed : Nov 16, 1995 14:07:04
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	12478	0.000	0
2	F12	1.942	1793	0.618	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
3		3.733	2939	0.000	0
--	DCE11+F113	4.258	0	0.000	0
4		4.400	32944	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
5		9.592	6032	0.000	0
6	DCPE13C(s)	10.725	687999	881.961	0
7		11.792	1033	0.000	0
--	TCA112	12.108	0	0.000	0
8	PCE	12.392	28036	3.359	0
9	CFB13(s)	13.525	123768	271.690	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Continued...

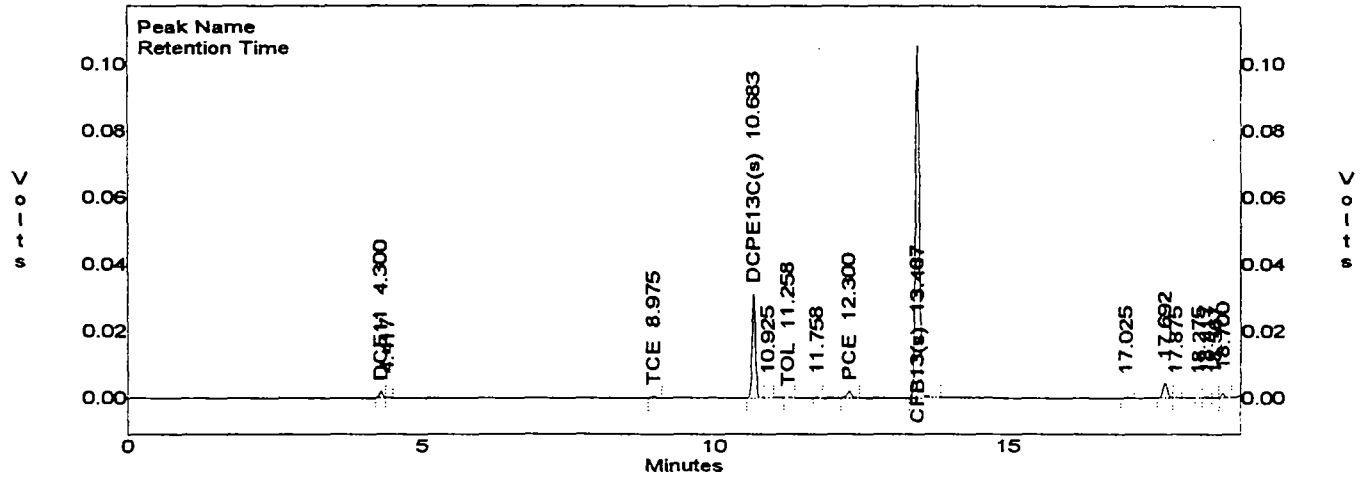
File : C:\LABQUEST\CHROM\OMEGA.066
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12
Acquired : Nov 16, 1995 13:47:38
Printed : Nov 16, 1995 14:07:06
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :					
			• 897024	1157.627	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.066
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12
Acquired : Nov 16, 1995 13:47:38
Printed : Nov 16, 1995 14:07:09
User : DQF

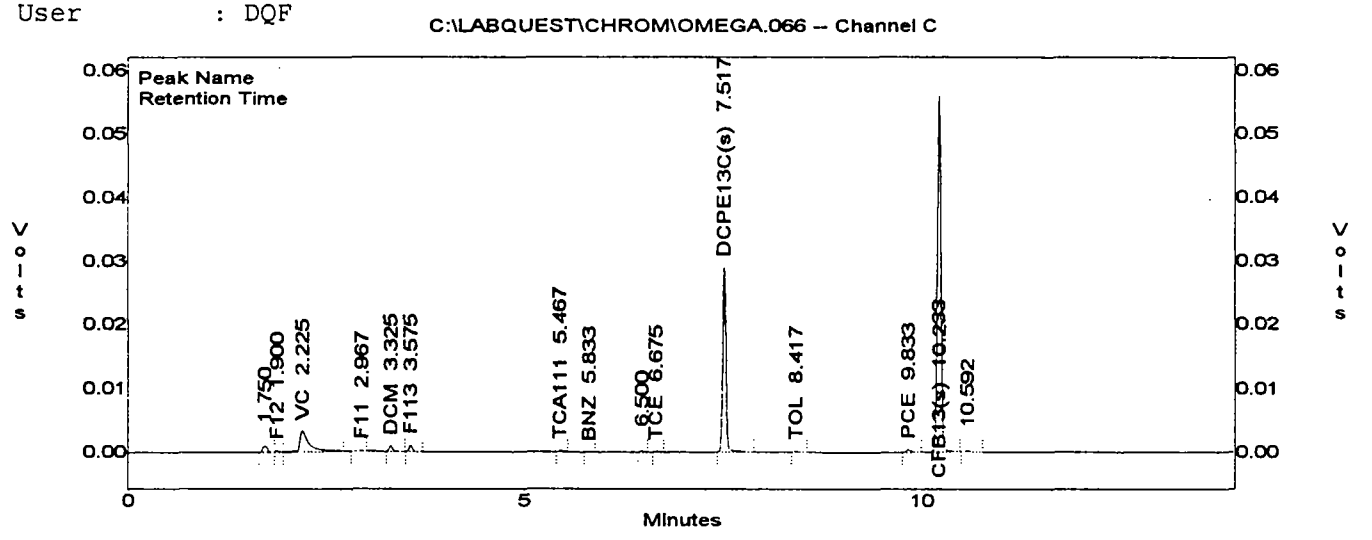
C:\LABQUEST\CHROM\OMEGA.066 – Channel B



Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
--	VC	2.367	0	0.000		0
1	DCE11	4.300	7271	4.357	✓	0
2		4.417	326	0.000		0
--	DCE12T	5.242	0	0.000		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000		0
3	TCE	8.975	2688	1.132		0
4	DCPE13C(s)	10.683	125292	938.132		0
5		10.925	591	0.000		0
6	TOL	11.258	309	0.080		0
7		11.758	309	0.000		0
8	PCE	12.300	10243	5.334		0
9	CFB13(s)	13.467	495498	1021.346		0
--	EB	14.417	0	0.000		0
--	XYLMP	14.700	0	0.000		0
--	XYLO	15.592	0	0.000		0
10		17.025	859	0.000		0
11		17.692	25331	0.000		0
12		17.875	579	0.000		0
13		18.275	357	0.000		0
14		18.417	1608	0.000		0
15		18.567	701	0.000		0
16		18.700	4517	0.000		0
Totals :			676485	1970.380		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.066
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12
Acquired : Nov 16, 1995 13:47:38
Printed : Nov 16, 1995 14:07:13
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.750	4087	0.000		0
2	F12	1.900	592	6.449		0
3	VC	2.225	27356	44.104		0
--	CLET	2.383	0	0.000		0
4	F11	2.967	473	4.496		0
--	11DCE	3.200	0	0.000		0
5	DCM	3.325	2671	11.994		0
6	F113	3.575	3087	15.450	✓	0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
7	TCA111	5.467	662	2.092	✓	0
--	CBTC	5.825	0	0.000		0
8	BNZ	5.833	304	0.203		0
9		6.500	584	0.000		0
10	TCE	6.675	570	1.816		0
11	DCPE13C(s)	7.517	83407	1106.403		0
--	TCA112	8.108	0	0.000		0
12	TOL	8.417	837	0.564		0
13	PCE	9.833	1935	7.631		0
14	CFB13(s)	10.233	182704	1120.479		0
15		10.592	904	0.000		0
--	PCA1112	10.633	0	0.000		0
--	EB+PCA1122	11.242	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.066
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12
Acquired : Nov 16, 1995 13:47:38
Printed : Nov 16, 1995 14:07:14
User : DQF

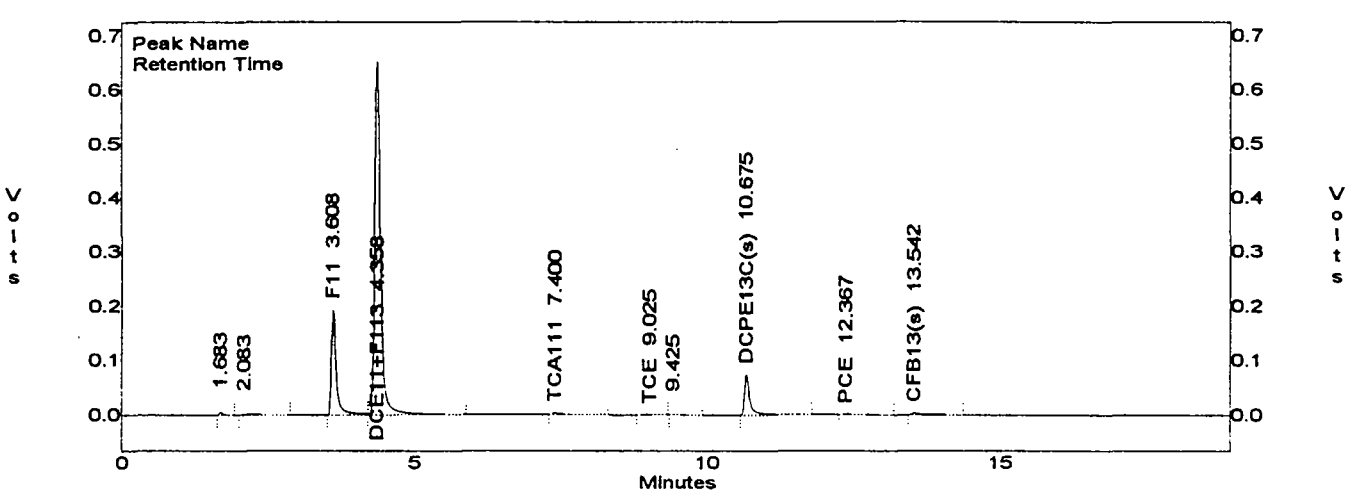
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	310176	2321.680

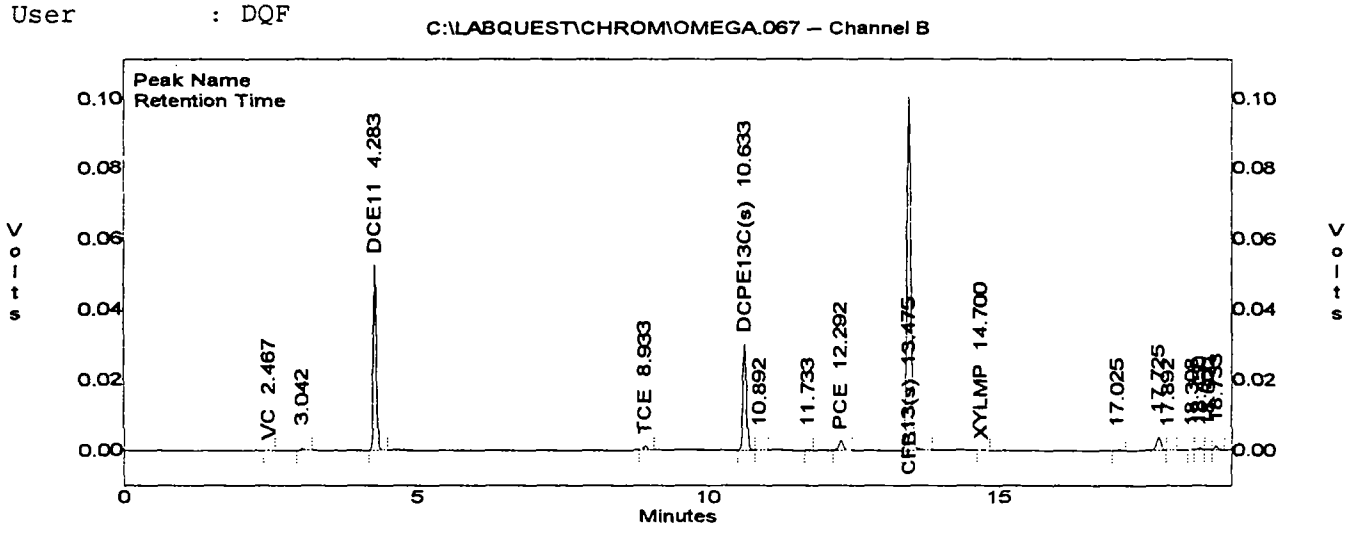
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.067
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12D
Acquired : Nov 16, 1995 14:12:12
Printed : Nov 16, 1995 14:31:35
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.683	21575	0.000	0
--	F12	1.892	0	0.000	0
2		2.083	15515	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.608	1148213	158.564	0
4	DCE11+F113	4.358	4636223	926.305	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.400	40409	5.641	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	9.025	6707	0.938	0
7		9.425	1098	0.000	0
8	DCPE13C(s)	10.675	507436	650.493	0
--	TCA112	12.108	0	0.000	0
9	PCE	12.367	25079	3.004	0
10	CFB13(s)	13.542	39254	86.170	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			6441513	1831.116	

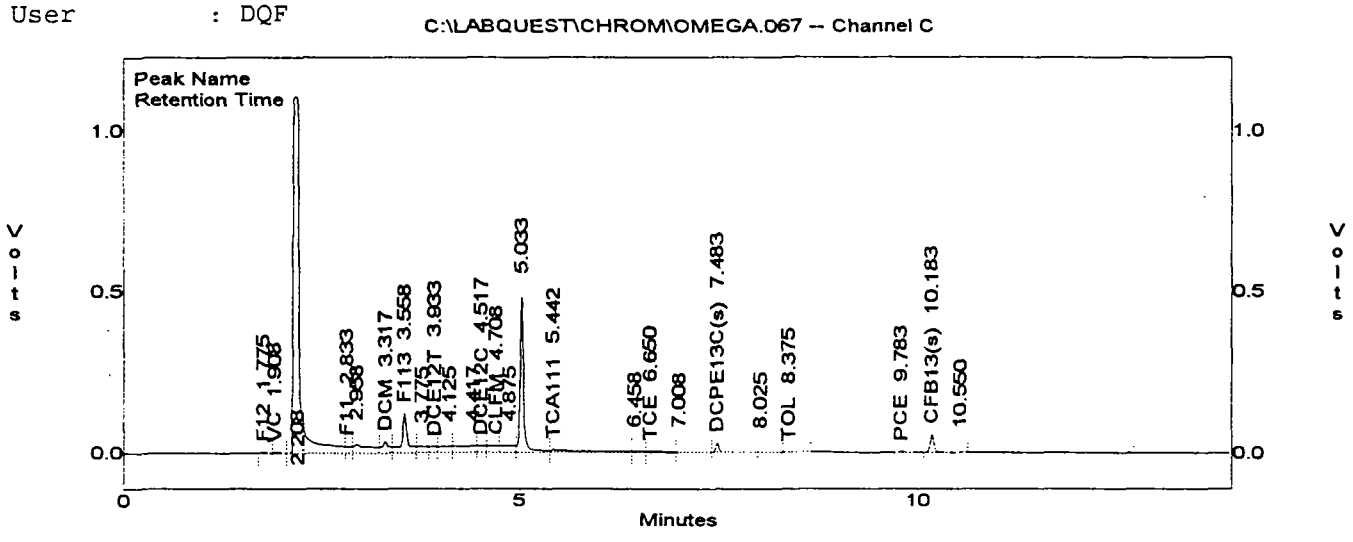
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.067
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12D
Acquired : Nov 16, 1995 14:12:12
Printed : Nov 16, 1995 14:31:39
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.467	473	0.655	0
2		3.042	2037	0.000	0
3	DCE11	4.283	188808	113.136	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
4	TCE	8.933	5011	2.110	0
5	DCPE13C(s)	10.633	128624	963.088	0
6		10.892	1170	0.000	0
--	TOL	11.208	0	0.000	0
7		11.733	330	0.000	0
8	PCE	12.292	14752	7.681	0
9	CFB13(s)	13.475	476480	982.146	0
--	EB	14.417	0	0.000	0
10	XYLMP	14.700	495	0.122	0
--	XYLO	15.592	0	0.000	0
11		17.025	834	0.000	0
12		17.725	22231	0.000	0
13		17.892	594	0.000	0
14		18.308	420	0.000	0
15		18.450	2009	0.000	0
16		18.600	803	0.000	0
17		18.733	4933	0.000	0
Totals :			850010	2068.937	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.067
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12D
Acquired : Nov 16, 1995 14:12:12
Printed : Nov 16, 1995 14:31:44
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/1)	Rf	
1	F12	1.775	4559	49.644		0
2	VC	1.908	1944	3.135		0
3		2.208	6506236	0.000		0
--	CLET	2.383	0	0.000		0
4	F11	2.833	106268	~~1008.932~~		0
5		2.958	~~388020~~ 21539	0.000	207.34	0
--	11DCE	3.200	0	0.000		0
6	DCM	3.317	224304	1007.229		0
7	F113	3.558	629925	~~2152.752~~	1543.208	0
8		3.775	174244	0.000		0
9	DCE12T	3.933	120233	~~302.719~~ X		0
--	DCA11	3.967	0	0.000		0
10		4.125	219317	0.000		0
11		4.417	363752	0.000		0
12	DCE12C	4.517	154872	~~381.798~~ X		0
13	CLFM	4.708	196732	~~1195.956~~ X		0
14		4.875	268275	0.000		0
15		5.033	1576788	0.000		0
--	DCA12	5.192	0	0.000		0
16	TCA111	5.442	269953	~~852.937~~	13.175 ✓	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
17		6.458	32779	0.000		0
18	TCE	6.650	59345	~~189.112~~	2,531	0
19		7.008	47076	0.000		0
20	DCPE13C(s)	7.483	115155	~~1527.554~~	1055.058	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.067
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-12D
uired : Nov 16, 1995 14:12:12
nted : Nov 16, 1995 14:31:46
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21		8.025	8967	0.000	0
--	TCA112	8.108	0	0.000	0
22	TOL	8.375	4369	2.940	0
23	PCE	9.783	2768	10.914	0
24	CFB13(s)	10.183	176801	1084.281	0
25		10.550	645	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

11653338 10769.903

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 5619-6 | Probe Depth (ft): 16'

Time Sampled: 14:48 | Sampled by: WM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy | Ground Surface: Concrete

Air Temp. (F): 70.3°F | Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 19

Purge Volume (liters): .50 | Equilibrium Time: :02

Purge Time (min.): :02 | Sample Volume (ml): 20 mL

Notes: 1500 ppm | Syringe ID: A _____ B _____

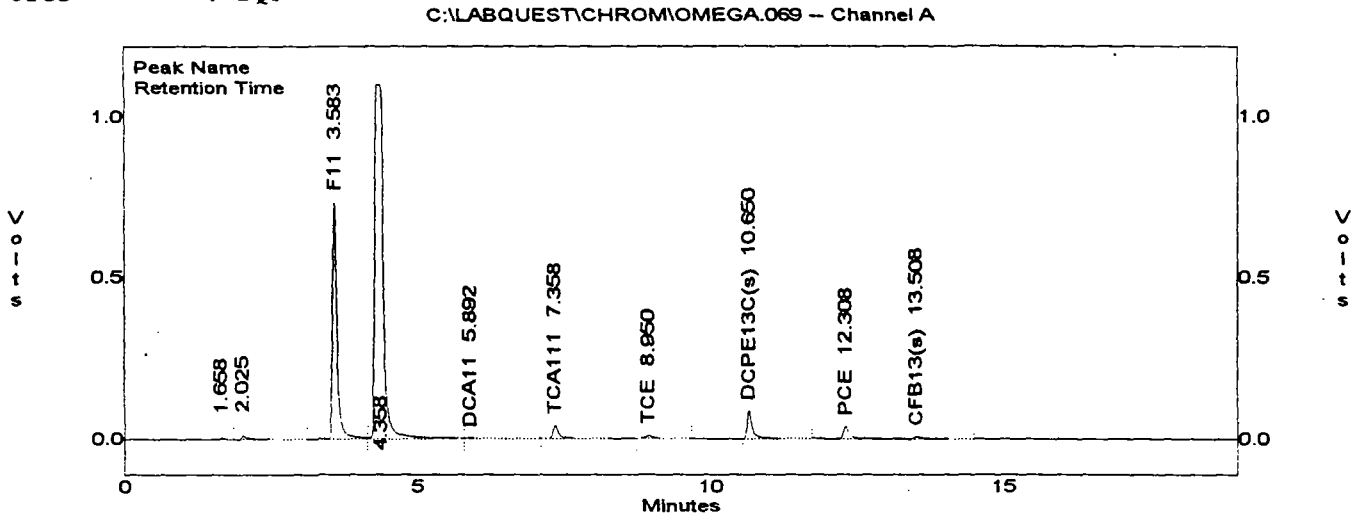
Analytical Summary

Chemist: DCF | Volume Analyzed: 1mL

Recd. Date: 11/16/95 Time: 14:50 | Time Injected: 15:00 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	410	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	760		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	16				
c-12DCE	<1				
Chloroforme	<1		Freon 113	5200	
111TCA	76				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	29				
112TCA	<1		% Surr. 1, ELCD	74	
PCE	95		% Surr. 2, ELCD	16	
1112PCA	<1		% Surr. 1, PID	94	
1122PCA	<1		% Surr. 2, PID	95	
			% Surr. 1, FID	~~112~~ 107	
			% Surr. 2, FID	105	

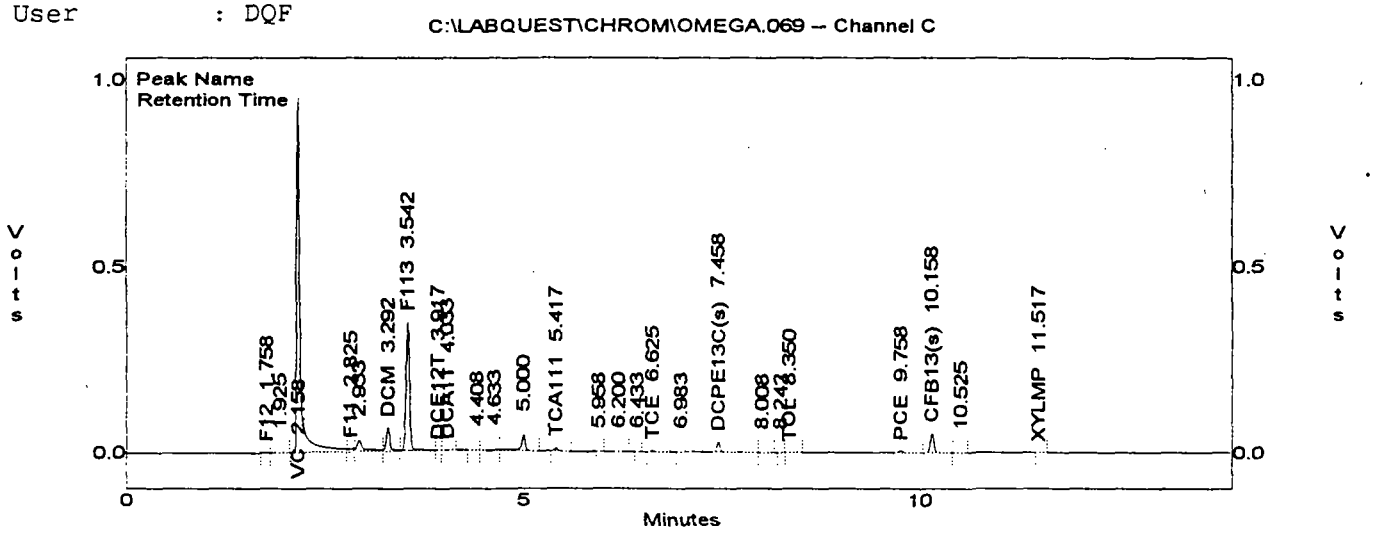
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.069
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-6
Acquired : Nov 16, 1995 15:03:59
Printed : Nov 16, 1995 15:23:20
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	19075	0.000	0
--	F12	1.892	0	0.000	0
2		2.025	88952	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.583	4110298	567.617	0
--	DCE11+F113	4.258	0	0.000	0
4		4.358	11169945	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5	DCA11	5.892	69883	11.112	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
6	TCA111	7.358	327757	45.757	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
7	TCE	8.950	103870	14.528	0
8	DCPE13C(s)	10.650	575091	737.222	0
--	TCA112	12.108	0	0.000	0
9	PCE	12.308	291159	34.879	0
10	CFB13(s)	13.508	74373	163.260	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			16830406	1574.376	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.069
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-6
Acquired : Nov 16, 1995 15:03:59
Printed : Nov 16, 1995 15:23:29
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.758	4673	50.888		0
2		1.925	5169	0.000		0
3	VC	2.158	3145310	5070.866		0
--	CLET	2.383	0	0.000		0
4	F11	2.825	~~46481~~	~~441.309~~		0
5		2.933	~~187410~~ 73293	0.000	695.866	0
--	11DCE	3.200	0	0.000		0
6	DCM	3.292	220281	989.164		0
7	F113	3.542	1102272	~~5516.034~~	5191.120	0
8	DCE12T	3.917	4515	11.369	X	0
9	DCA11	4.033	6659	16.163	✓	0
10		4.408	4354	0.000		0
--	DCE12C	4.500	0	0.000		0
11		4.633	24123	0.000		0
--	CLFM	4.700	0	0.000		0
12		5.000	176282	0.000		0
--	DCA12	5.192	0	0.000		0
13	TCA111	5.417	25514	~~80.616~~	75.958	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
14		5.958	368	0.000		0
15		6.200	553	0.000		0
16		6.433	584	0.000		0
17	TCE	6.625	10552	~~33.627~~	28.6	0
18		6.983	2503	0.000		0
19	DCPE13C(s)	7.458	84686	~~1123.379~~	1065.	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.069
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-6
Acquired : Nov 16, 1995 15:03:59
Printed : Nov 16, 1995 15:23:31
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
20		8.008	629	0.000	0
--	TCA112	8.108	0	0.000	0
21		8.242	222	0.000	0
22	TOL	8.350	946	0.637	0
23	PCE	9.758	21567	85.032 ✓	0
24	CFB13(s)	10.158	170719	1046.982	0
25		10.525	1022	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
26	XYLMP	11.517	210	0.143	0
--	XYLO	12.217	0	0.000	0

Totals :

5247616 14467.007

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB19-12 | Probe Depth (ft): 12'

Time Sampled: 15:00 | Sampled by: WM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy | Ground Surface: Concrete

Air Temp. (F): 69.6°F | Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 225 | Max. Purge Vacuum (in. Hg): 18

Purge Volume (liters): .75 | Equilibrium Time: :03

Purge Time (min.): :03 | Sample Volume (ml): 20ml

Notes: FID: >1750 ppm | Syringe ID: A B

Analytical Summary

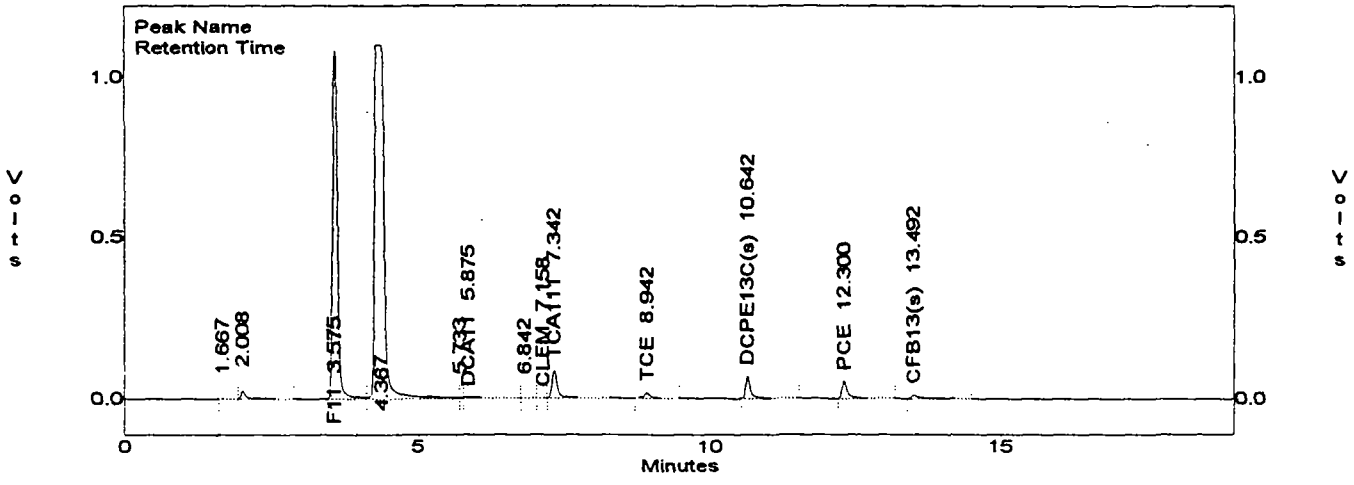
Chemist: DCF | Volume Analyzed: 1ml

Recd. Date: 11/16/95 Time: 15:05 | Time Injected: 15:24 Loop #: 4

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	>30	
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	2000		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	<1		o-Xylene		
11DCA	15				
c-12DCE	<1				
Chloroforme	1.5		Freon 113	12000	
111TCA	180				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	60				
112TCA	<1		% Surr. 1, ELCD	56	
PCE	130		% Surr. 2, ELCD	21	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	112	
			% Surr. 2, FID	104	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.070
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-12
Acquired : Nov 16, 1995 15:28:39
Printed : Nov 16, 1995 15:48:06
User : DQF

C:\LABQUEST\CHROM\OMEGA.070 -- Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	5254	0.000	0
--	F12	1.892	0	0.000	0
2		2.008	172711	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.575	6381370	881.244	0
--	DCE11+F113	4.258	0	0.000	0
4		4.367	12423512	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5		5.733	9428	0.000	0
6	DCA11	5.875	100097	15.916	0
--	DCE12C	6.650	0	0.000	0
7		6.842	8156	0.000	0
8	CLFM	7.158	4644	0.645	0
9	TCA111	7.342	604413	84.380	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
10	TCE	8.942	162267	22.696	0
11	DCPE13C(s)	10.642	434178	556.583	0
--	TCA112	12.108	0	0.000	0
12	PCE	12.300	370452	44.378	0
13	CFB13(s)	13.492	97709	214.487	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

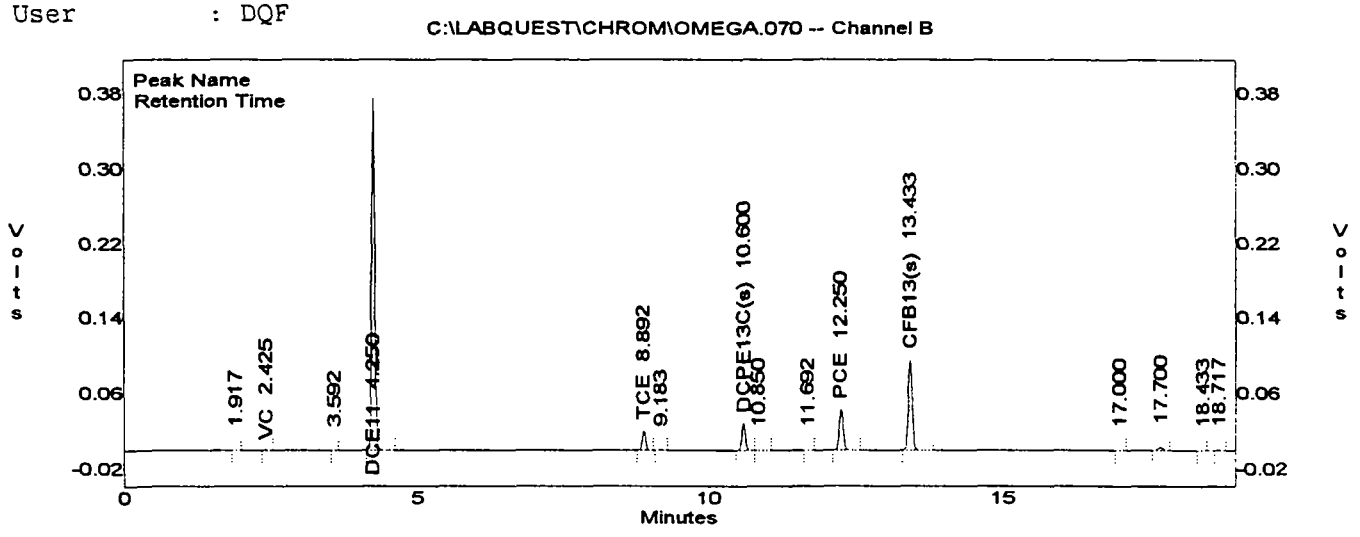
Continued...

File : C:\LABQUEST\CHROM\OMEGA.070
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-12
Acquired : Nov 16, 1995 15:28:39
Printed : Nov 16, 1995 15:48:08
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			20774196	1820.329	

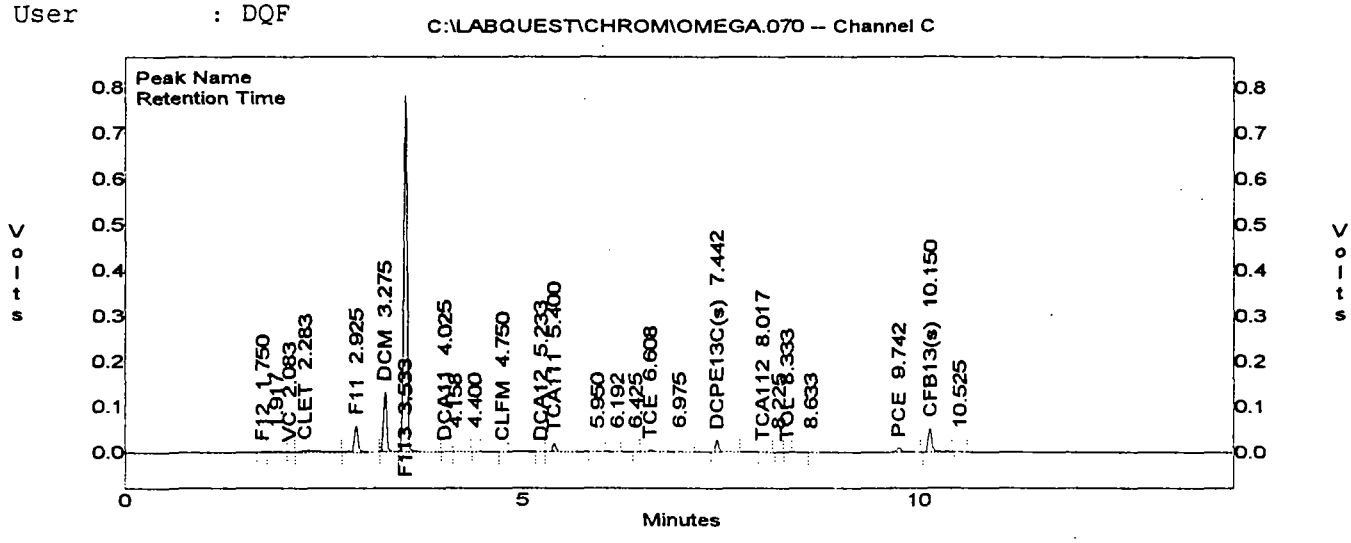
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.070
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-12
Acquired : Nov 16, 1995 15:28:39
Printed : Nov 16, 1995 15:48:11
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.917	820	0.000	0
2	VC	2.425	2169	2.998	0
3		3.592	323	0.000	0
4	DCE11	4.250	1386210	830.635 ✓	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
5	TCE	8.892	85541	36.012	0
6		9.183	2430	0.000	0
7	DCPE13C(s)	10.600	123458	924.403	0
8		10.850	1223	0.000	0
--	TOL	11.208	0	0.000	0
9		11.692	406	0.000	0
10	PCE	12.250	206537	107.539	0
11	CFB13(s)	13.433	452819	933.375	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
12		17.000	360	0.000	0
13		17.700	18970	0.000	0
14		18.433	668	0.000	0
15		18.717	2317	0.000	0
Totals :			2284254	2834.961	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.070
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-12
Acquired : Nov 16, 1995 15:28:39
Printed : Nov 16, 1995 15:48:15
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.750	5770	62.833		0
2		1.917	15995	0.000		0
3	VC	2.083	3202	5.163		0
4	CLET	2.283	57753	98.929		0
5	F11	2.925	208962	1983.933		0
--	11DCE	3.200	0	0.000		0
6	DCM	3.275	394393	1771.006		0
7	F113	3.533	2356035	11791.868		0
--	DCE12T	3.850	0	0.000		0
8	DCA11	4.025	6157	14.946		0
9		4.158	2205	0.000		0
10		4.400	579	0.000		0
--	DCE12C	4.500	0	0.000		0
11	CLFM	4.750	243	1.477		0
12	DCA12	5.233	374	0.926		0
13	TCA111	5.400	57523	181.748		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
14		5.950	915	0.000		0
15		6.192	401	0.000		0
16		6.425	489	0.000		0
17	TCE	6.608	18738	59.712		0
18		6.975	5167	0.000		0
19	DCPE13C(s)	7.442	84383	1119.349		0
20	TCA112	8.017	518	1.692		0
21		8.225	583	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.070
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-12
[illegible]ired : Nov 16, 1995 15:28:39
[illegible]ted : Nov 16, 1995 15:48:17
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
22	TOL	8.333	512	0.345	0
23		8.633	236	0.000	0
24	PCE	9.742	32659	128.765	0
25	CFB13(s)	10.150	169037	1036.665	0
26		10.525	558	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals : 3423396 18259.355

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB18-B 12	Probe Depth (ft): 12'
Time Sampled: 15:28	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy	Ground Surface: Concrete
Air Temp. (F): 69.3°F	Wind dir/speed: Calm

Sample Parameters

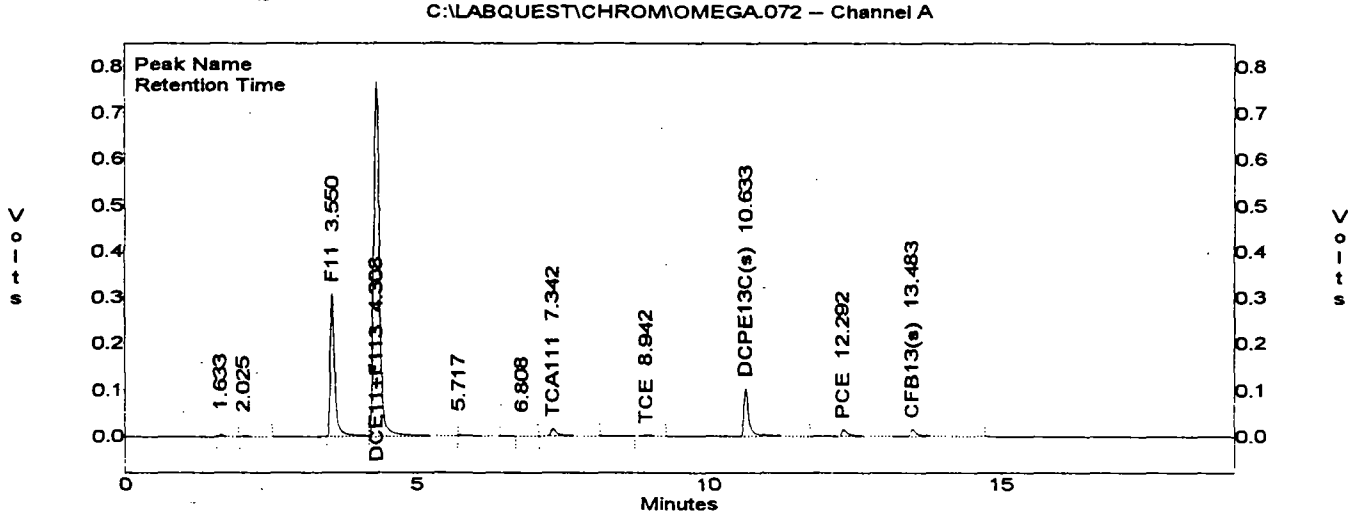
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 21
Purge Volume (liters): .75	Equilibrium Time: :09
Purge Time (min.): :07	Sample Volume (ml): 20mL
Notes: 200 ppm	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 15:35	Time Injected: 15:50 Loop #: 1

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	160	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	530		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	2500	
111TCA	31				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	9.1				
112TCA	<1		% Surr. 1, ELCD	86	
PCE	32		% Surr. 2, ELCD	32	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	107	
			% Surr. 2, FID	104	

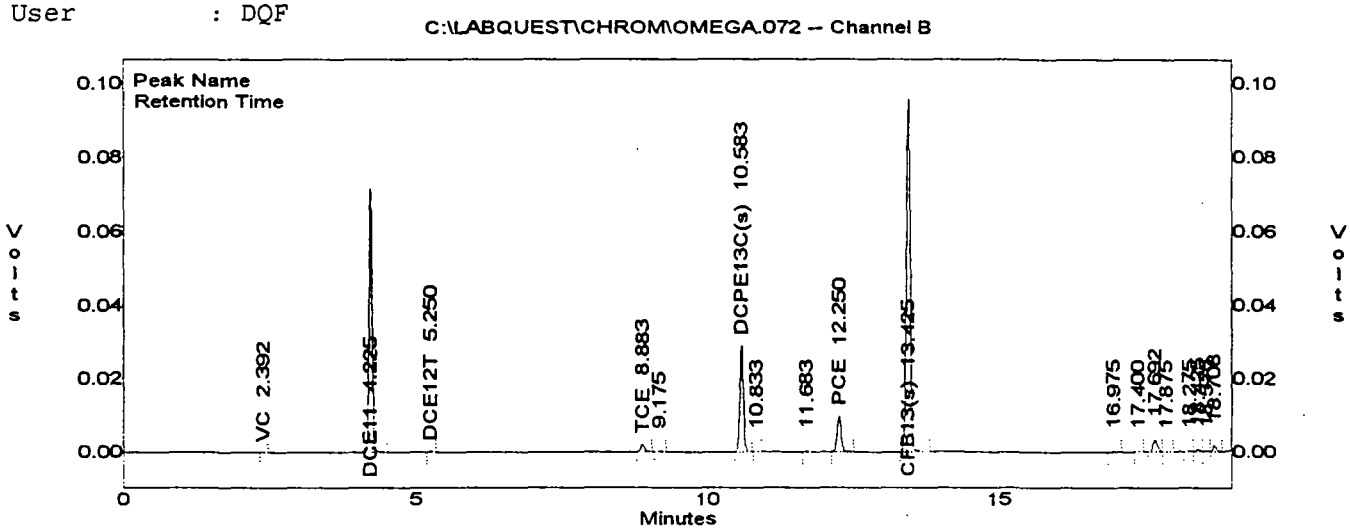
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.072
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-12
Acquired : Nov 16, 1995 15:53:12
Printed : Nov 16, 1995 16:12:39
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	19420	0.000	0
--	F12	1.892	0	0.000	0
2		2.025	6983	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.550	1738594	240.094	0
4	DCE11+F113	4.308	5339099	1066.738	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5		5.717	38492	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
6		6.808	1304	0.000	0
--	CLFM	7.125	0	0.000	0
7	TCA111	7.342	137041	19.132	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
8	TCE	8.942	29260	4.092	0
9	DCPE13C(s)	10.633	669643	858.430	0
--	TCA112	12.108	0	0.000	0
10	PCE	12.292	137298	16.447	0
11	CFB13(s)	13.483	144320	316.806	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			8261458	2521.739	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.072
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-12
Acquired : Nov 16, 1995 15:53:12
Printed : Nov 16, 1995 16:12:43
User : DQF



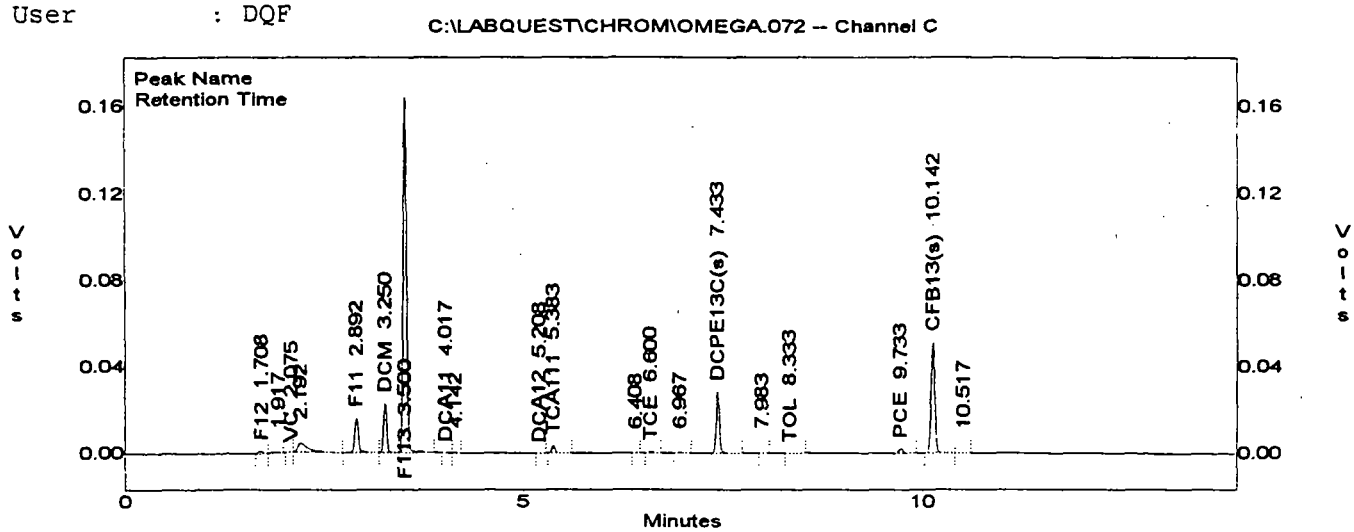
Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
1	VC	2.392	642	0.888		0
2	DCE11	4.225	258919	155.148	✓	0
3	DCE12T	5.250	898	0.240		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000		0
4	TCE	8.883	8988	3.784		0
5		9.175	632	0.000		0
6	DCPE13C(s)	10.583	122682	918.589		0
7		10.833	552	0.000		0
--	TOL	11.208	0	0.000		0
8		11.683	339	0.000		0
9	PCE	12.250	47322	24.640		0
10	CFB13(s)	13.425	451571	930.801		0
--	EB	14.417	0	0.000		0
--	XYLMP	14.700	0	0.000		0
--	XYLO	15.592	0	0.000		0
11		16.975	1261	0.000		0
12		17.400	309	0.000		0
13		17.692	19201	0.000		0
14		17.875	743	0.000		0
15		18.275	600	0.000		0
16		18.425	2327	0.000		0
17		18.575	1038	0.000		0
18		18.708	6510	0.000		0

Totals :

924539	2034.090	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.072
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-12
Acquired : Nov 16, 1995 15:53:12
Printed : Nov 16, 1995 16:12:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.708	4619	50.301		0
2		1.917	2255	0.000		0
3	VC	2.075	1011	1.631		0
4		2.192	40994	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.892	55955	531.257		0
--	11DCE	3.200	0	0.000		0
6	DCM	3.250	66306	297.748		0
7	F113	3.500	502004	2512.515		0
--	DCE12T	3.850	0	0.000		0
8	DCA11	4.017	393	0.956		0
9		4.142	215	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
10	DCA12	5.208	243	0.601		0
11	TCA111	5.383	9760	30.839		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
12		6.408	489	0.000		0
13	TCE	6.600	2557	8.148		0
14		6.967	1622	0.000		0
15	DCPE13C(s)	7.433	80567	1068.733		0
16		7.983	280	0.000		0
--	TCA112	8.108	0	0.000		0
17	TOL	8.333	860	0.579		0
18	PCE	9.733	8052	31.750		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.072
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-12
[illegible]ired : Nov 16, 1995 15:53:12
[illegible]nted : Nov 16, 1995 16:12:49
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
19	CFB13(s)	10.142	170088	1043.114	0
20		10.517	1059	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

949339	5578.171	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 23-12 | Probe Depth (ft): 12'

Time Sampled: 16:00 | Sampled by: WM

Date Sampled: 11.16.95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: CONCRETE

Air Temp. (F): 67°F | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225 | Max. Purge Vacuum (in. Hg): 17

Purge Volume (liters): .75 | Equilibrium Time: :03

Purge Time (min.): :03 | Sample Volume (ml): 20 mL

Notes: FID = 200 ppm | Syringe ID: A _____ B _____

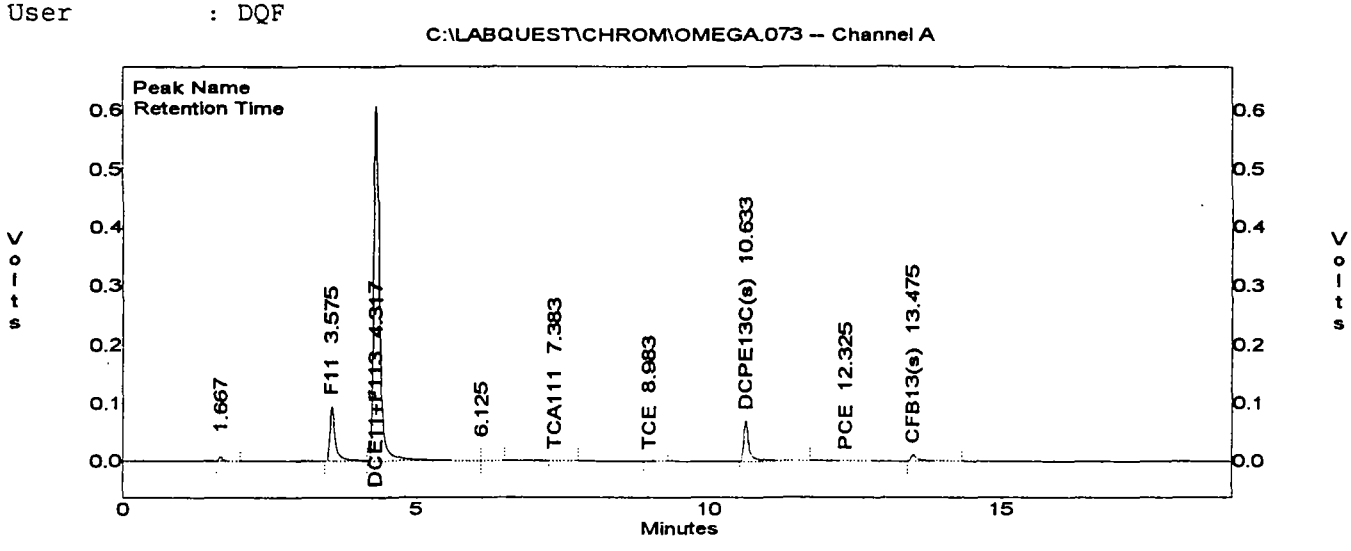
Analytical Summary

Chemist: DBF | Volume Analyzed: 1 mL

Recd. Date: 11/16/95 Time: 16:05 | Time Injected: 16:15 Loop #: 4

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	2.8	
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	120		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	1400	
111TCA	4.0				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	3.5				
112TCA	<1		% Surr. 1, ELCD	60	
PCE	6.5		% Surr. 2, ELCD	20	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	107	
			% Surr. 2, FID	104	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.073
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-12
Acquired : Nov 16, 1995 16:17:45
Printed : Nov 16, 1995 16:37:07
User : DQF



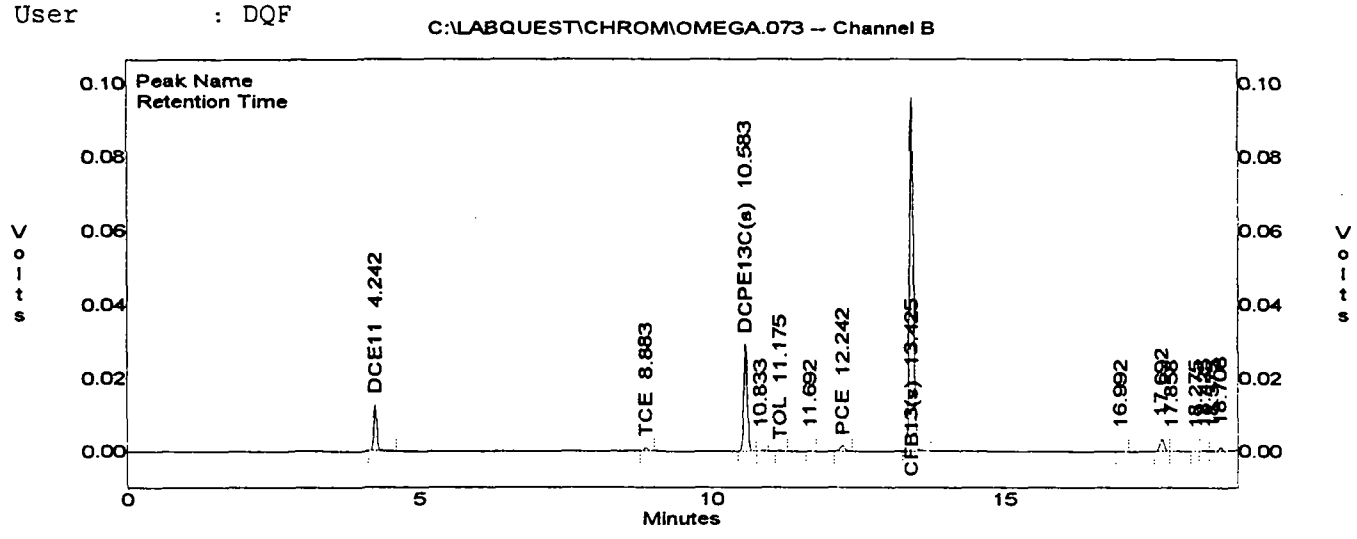
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	.	1.667	37221	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.575	628738	86.827	0
3	DCE11+F113	4.317	4275036	854.141	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
4		6.125	3357	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.383	5302	0.740	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	8.983	2808	0.393	0
7	DCPE13C(s)	10.633	466337	597.807	0
--	TCA112	12.108	0	0.000	0
8	PCE	12.325	9834	1.178	0
9	CFB13(s)	13.475	89672	196.844	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

5518307	1737.930	

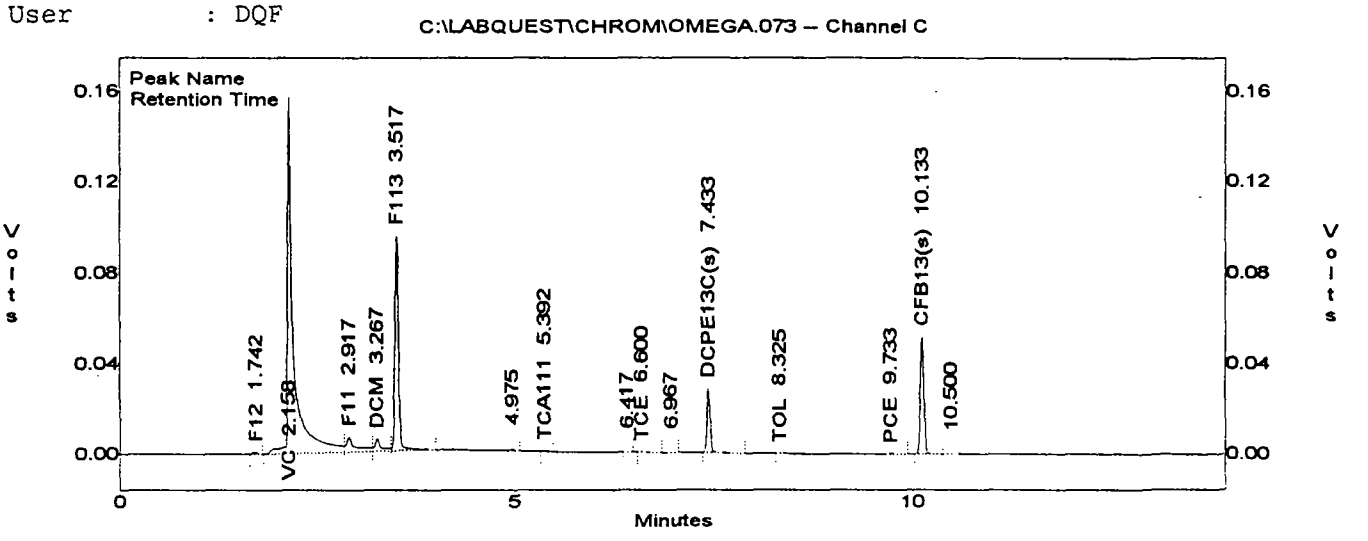
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.073
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-12
Acquired : Nov 16, 1995 16:17:45
Printed : Nov 16, 1995 16:37:11
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1	DCE11	4.242	46960	28.139	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
2	TCE	8.883	4045	1.703	0
3	DCPE13C(s)	10.583	122385	916.369	0
4		10.833	557	0.000	0
5	TOL	11.175	657	0.170	0
6		11.692	319	0.000	0
7	PCE	12.242	8607	4.482	0
8	CFB13(s)	13.425	449474	926.479	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		16.992	707	0.000	0
10		17.692	19033	0.000	0
11		17.858	368	0.000	0
12		18.275	355	0.000	0
13		18.425	1434	0.000	0
14		18.575	614	0.000	0
15		18.708	3980	0.000	0
Totals :			659500	1877.342	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.073
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-12
Acquired : Nov 16, 1995 16:17:45
Printed : Nov 16, 1995 16:37:15
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.742	4738	51.591 ✗		0
2	VC	2.158	846939	1365.435 ✗		0
--	CLET	2.383	0	0.000		0
3	F11	2.917	56899	~~540.211~~ ✓ 123.8		0
--	11DCE	3.200	0	0.000		0
4	~~DCM~~	3.267	29708	~~133.404~~		0
5	F113	3.517	307883	~~1540.944~~ ✓ 1449.581		0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
6		4.975	2503	0.000		0
--	DCA12	5.192	0	0.000		0
7	TCA111	5.392	1258	3.976 ✓		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
8		6.417	578	0.000		0
9	TCE	6.600	1099	3.504 ✓		0
10		6.967	380	0.000		0
11	DCPE13C(s)	7.433	80419	1066.776		0
--	TCA112	8.108	0	0.000		0
12	TOL	8.325	446	0.300		0
13	PCE	9.733	1637	6.454 ✓		0
14	CFB13(s)	10.133	169645	1040.393		0
15		10.500	1077	0.000		0
--	PCA1112	10.633	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.073
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-12
Acquired : Nov 16, 1995 16:17:45
Printed : Nov 16, 1995 16:37:17
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	1505214	5752.989

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB22-6' | Probe Depth (ft): 6'

Time Sampled: 16:22 | Sampled by: WM

Date Sampled: 11.16.95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: CONCRETE

Air Temp. (F): | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): .50 | Equilibrium Time: :01

Purge Time (min.): :02 | Sample Volume (ml): 20ml

Notes: | Syringe ID: A B

Analytical Summary

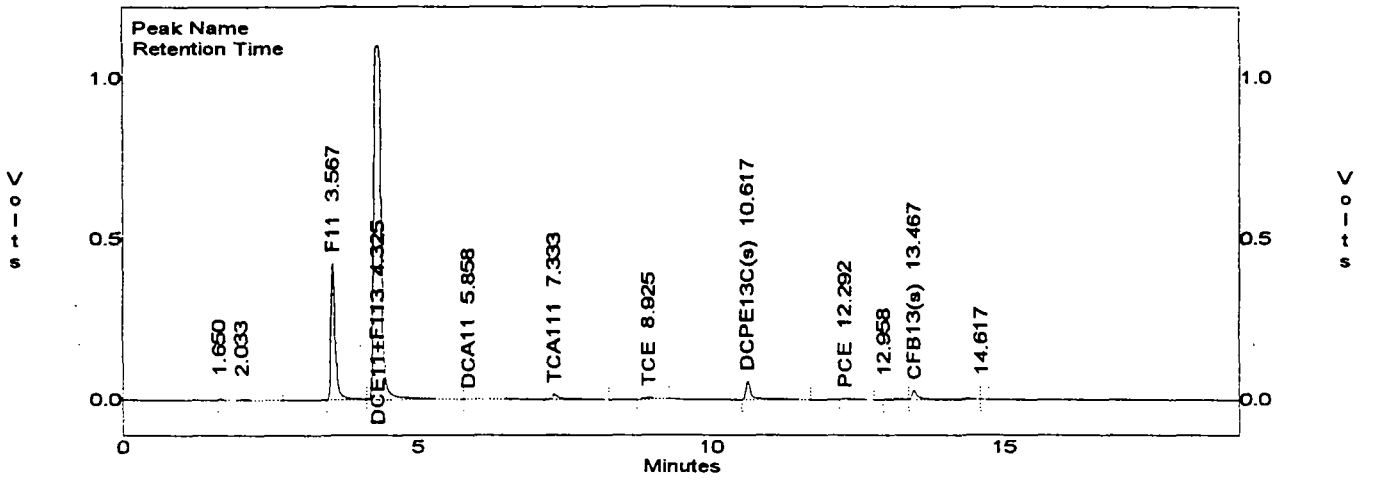
Chemist: JDF | Volume Analyzed: 1mL

Recd. Date: 11/16/95 Time: 16:25 | Time Injected: 16:39 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	220	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	770		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	3.8				
c-12DCE	<1				
Chloroforme	<1		Freon 113	6500	
111TCA	46				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	22				
112TCA	<1		% Surr. 1, ELCD	48	
PCE	17		% Surr. 2, ELCD	51	
1112PCA	<1		% Surr. 1, PID	91	
1122PCA	<1		% Surr. 2, PID	91	
			% Surr. 1, FID	106	
			% Surr. 2, FID	103	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.074
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-6
Acquired : Nov 16, 1995 16:42:10
Printed : Nov 16, 1995 17:01:32
User : DQF

C:\LABQUEST\CHROM\OMEGA.074 – Channel A



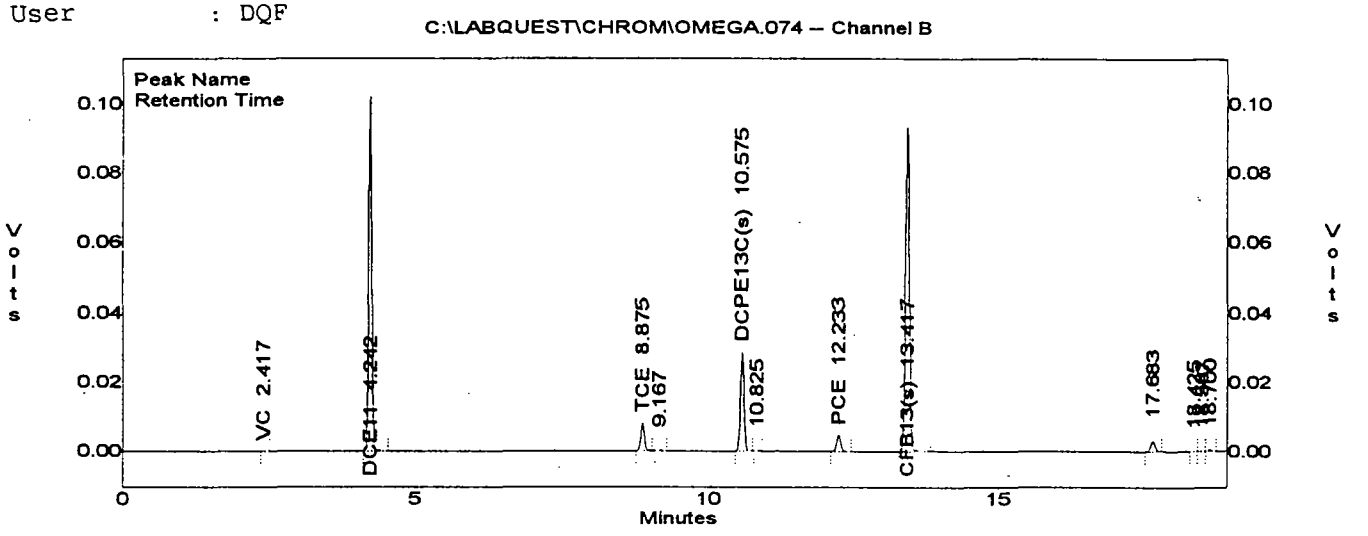
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	19539	0.000	0
--	F12	1.892	0	0.000	0
2		2.033	21732	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.567	2270368	313.530	0
4	DCE11+F113	4.325	9606958	1919.445	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
5	DCA11	5.858	24122	3.836	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
6	TCA111	7.333	126078	17.601	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
7	TCE	8.925	48206	6.742	0
8	DCPE13C(s)	10.617	374922	480.621	0
--	TCA112	12.108	0	0.000	0
9	PCE	12.292	34033	4.077	0
10		12.958	15276	0.000	0
11	CFB13(s)	13.467	231342	507.831	0
--	PCA1112	14.383	0	0.000	0
12		14.617	516	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

12773095	3253.683	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.074
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-6
Acquired : Nov 16, 1995 16:42:10
Printed : Nov 16, 1995 17:01:40
User : DQF



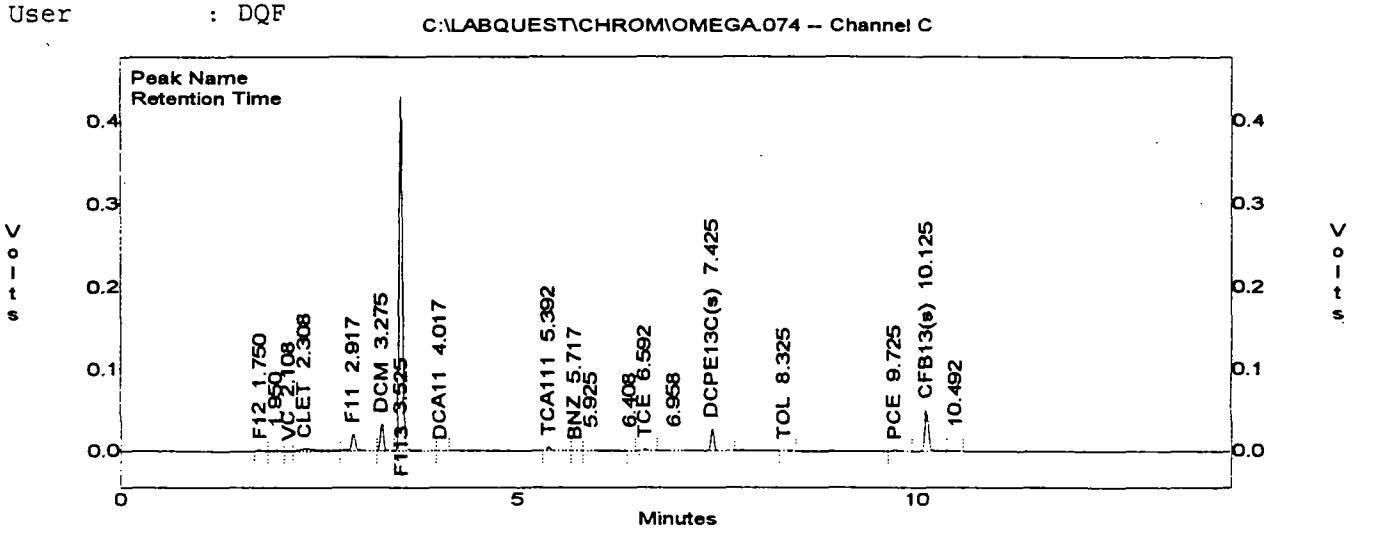
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1	VC	2.417	405	0.560		0
2	DCE11	4.242	371922	222.860	✓	0
--	DCE12T	5.242	0	0.000		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000		0
3	TCE	8.875	33928	14.284		0
4		9.167	393	0.000		0
5	DCPE13C(s)	10.575	121086	906.643		0
6		10.825	578	0.000		0
--	TOL	11.208	0	0.000		0
7	PCE	12.233	23483	12.227		0
8	CFB13(s)	13.417	442727	912.573		0
--	EB	14.417	0	0.000		0
--	XYLMP	14.700	0	0.000		0
--	XYLO	15.592	0	0.000		0
9		17.683	17716	0.000		0
10		18.425	479	0.000		0
11		18.567	365	0.000		0
12		18.700	1745	0.000		0

Totals :

1014831	2069.147	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.074
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-6
Acquired : Nov 16, 1995 16:42:10
Printed : Nov 16, 1995 17:01:45
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.750	5064	55.144		0
2		1.950	7895	0.000		0
3	VC	2.108	4288	6.914		0
4	CLET	2.308	48967	83.879		0
5	F11	2.917	81224	771.157	✓	0
--	11DCE	3.200	0	0.000		0
6	~~DCM~~	3.275	100690	452.145		0
7	F113	3.525	1299358	6503.238	✓	0
--	DCE12T	3.850	0	0.000		0
8	DCA11	4.017	1572	3.818	✓	0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
9	TCA111	5.392	14438	45.620	✓	0
10	BNZ	5.717	256	0.171		0
--	CBTC	5.825	0	0.000		0
11		5.925	245	0.000		0
12		6.408	591	0.000		0
13	TCE	6.592	6962	22.186	✓	0
14		6.958	1631	0.000		0
15	DCPE13C(s)	7.425	79664	1056.751		0
--	TCA112	8.108	0	0.000		0
16	TOL	8.325	769	0.518		0
17	PCE	9.725	4373	17.244	✓	0
18	CFB13(s)	10.125	167822	1029.211		0
19		10.492	1267	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.074
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-6
Acquired : Nov 16, 1995 16:42:10
Printed : Nov 16, 1995 17:01:47
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

1827083 10047.997

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB21-6'	Probe Depth (ft): 6'
Time Sampled: 1700	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Concrete
Air Temp. (F): 64.0	Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :01	Sample Volume (ml): 20 ml
Notes: 5000 ppm	Syringe ID: A ____ B ____

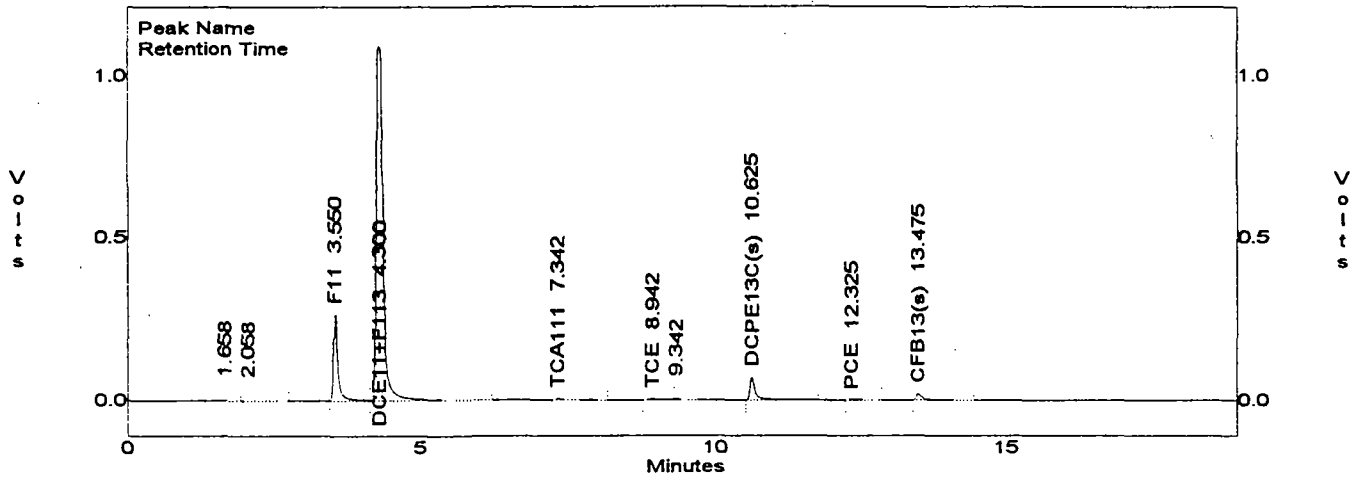
Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 17:02	Time Injected: 17:05 Loop #: 4

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	120	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	39		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	3400	
111TCA	16				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	9.1				
112TCA	<1		% Surr. 1, ELCD	61	
PCE	5.9		% Surr. 2, ELCD	36	
1112PCA	<1		% Surr. 1, PID	91	
1122PCA	<1		% Surr. 2, PID	92	
			% Surr. 1, FID	105	
			% Surr. 2, FID	103	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.075
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-6
Acquired : Nov 16, 1995 17:06:47
Printed : Nov 16, 1995 17:26:12
User : DQF

C:\LABQUEST\CHROM\OMEGA.075 -- Channel A



Channel A Results

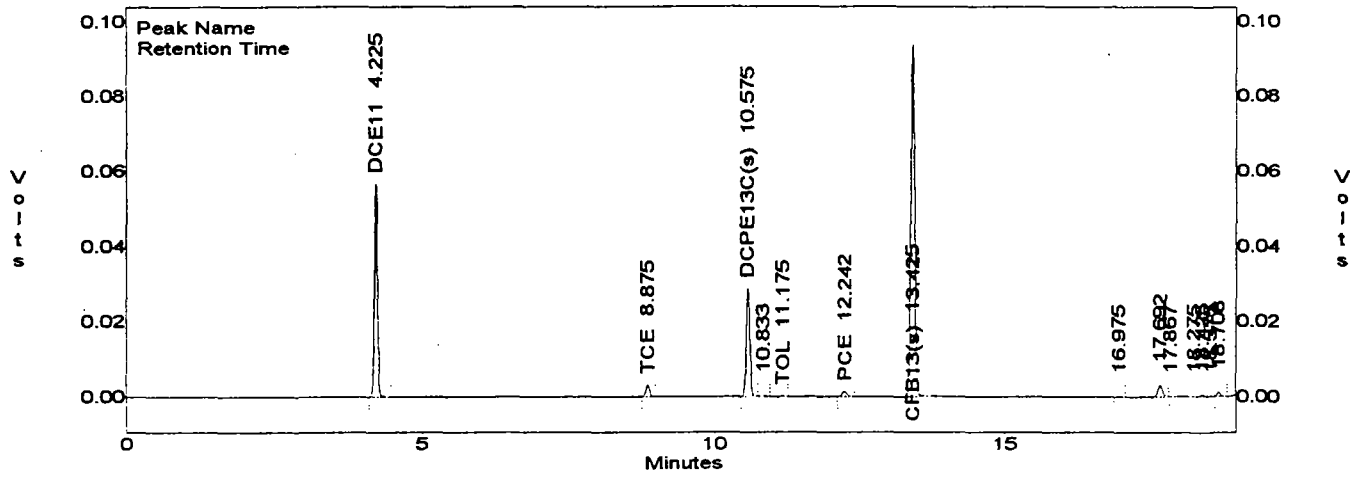
peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	11513	0.000	0
--	F12	1.892	0	0.000	0
2		2.058	7845	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.550	1490281	205.802	0
4	DCE11+F113	4.300	8798769	1757.971	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.342	49966	6.976	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	8.942	27223	3.808	0
7		9.342	3487	0.000	0
8	DCPE13C(s)	10.625	475239	609.219	0
--	TCA112	12.108	0	0.000	0
9	PCE	12.325	10969	1.314	0
10	CFB13(s)	13.475	163836	359.645	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

11039130	2944.734	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.075
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-6
Acquired : Nov 16, 1995 17:06:47
Printed : Nov 16, 1995 17:26:16
User : DQF

C:\LABQUEST\CHROM\OMEGA.075 -- Channel B

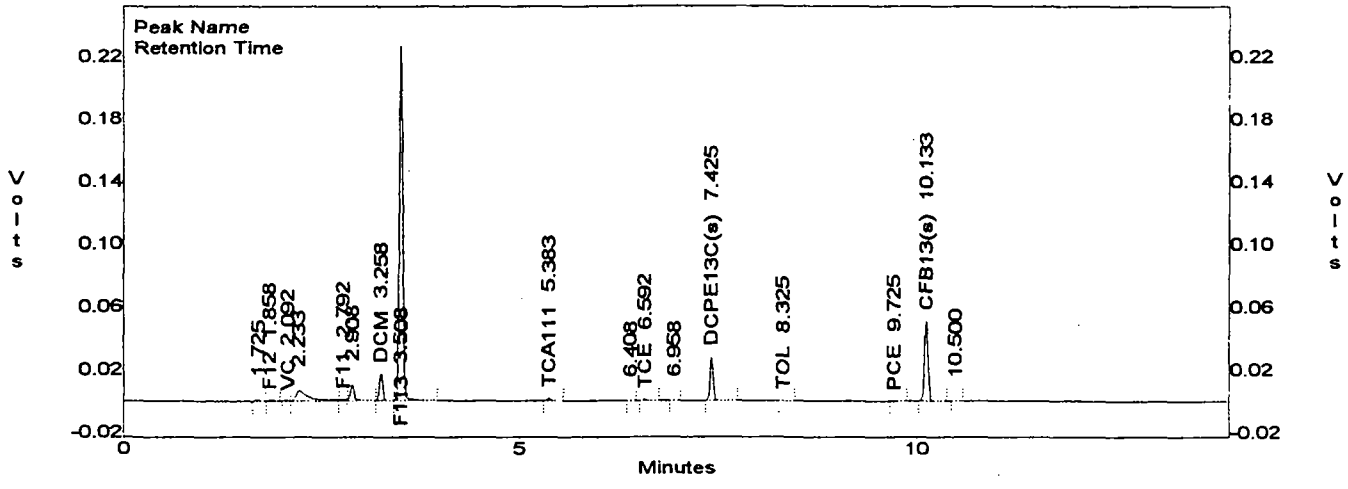


Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
--	VC	2.367	0	0.000		0
1	DCE11	4.225	203383	121.870	✓	0
--	DCE12T	5.242	0	0.000		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000	✓	0
2	TCE	8.875	13578	5.716		0
3	DCPE13C(s)	10.575	121343	908.567		0
4		10.833	550	0.000		0
5	TOL	11.175	349	0.090	✓	0
6	PCE	12.242	7878	4.102		0
7	CFB13(s)	13.425	444331	915.878		0
--	EB	14.417	0	0.000	✓	0
--	XYLMP	14.700	0	0.000	✓	0
--	XYLO	15.592	0	0.000	✓	0
8		16.975	828	0.000		0
9		17.692	17789	0.000		0
10		17.867	431	0.000		0
11		18.275	537	0.000		0
12		18.425	1968	0.000		0
13		18.575	779	0.000		0
14		18.708	4739	0.000		0
Totals :			818487	1956.224		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.075
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-6
Acquired : Nov 16, 1995 17:06:47
Printed : Nov 16, 1995 17:26:20
User : DQF

C:\LABQUEST\CHROM\OMEGA.075 -- Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.725	4564	0.000		0
2	F12	1.858	2327	25.341		0
3	VC	2.092	666	1.074		0
4		2.233	73745	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.792	4064	38.590	✓	0
6		2.908	38361	0.000		0
--	11DCE	3.200	0	0.000		0
7	DCM	3.258	54318	243.914		0
8	F113	3.508	688660	3446.722	✓	0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
9	TCA111	5.383	4922	15.551	✓	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
10		6.408	536	0.000		0
11	TCE	6.592	2861	9.117	J	0
12		6.958	716	0.000		0
13	DCPE13C(s)	7.425	79495	1054.520		0
--	TCA112	8.108	0	0.000		0
14	TOL	8.325	797	0.537		0
15	PCE	9.725	1489	5.871	✓	0
16	CFB13(s)	10.133	168476	1033.222		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.075
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-6
Acquired : Nov 16, 1995 17:06:47
Printed : Nov 16, 1995 17:26:22
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
17		10.500	402	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

1126406 5874.458

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 21-12'	Probe Depth (ft): 12'
Time Sampled: 17:17	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: CONCRETE
Air Temp. (F): 103.0°F	Wind dir/speed:

Sample Parameters

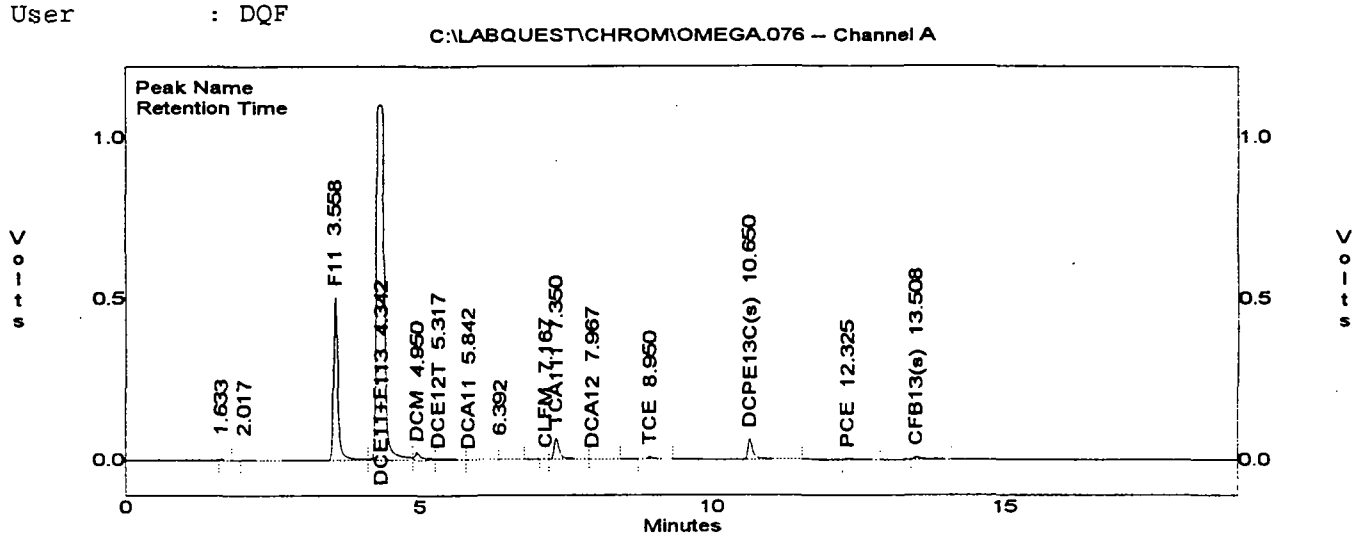
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 16
Purge Volume (liters): .75	Equilibrium Time: :05
Purge Time (min.): :04	Sample Volume (ml): 20 mL
Notes: 850 ppm	Syringe ID: A B

Analytical Summary

Chemist: DBF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 17:20	Time Injected: 17:28 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	250	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	720		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	3.3		o-Xylene	↓	
11DCA	2.6				
c-12DCE	<1				
Chloroforme	<1		Freon 113	7900 ~~8300~~ (DBF)	
111TCA	150				
Carbon Tetrachloride	<1				
12DCA	2.9				
TCE	32				
112TCA	<1		% Surr. 1, ELCD	51	
PCE	~~37~~ 18		% Surr. 2, ELCD	14	
1112PCA	<1		% Surr. 1, PID	93	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	109	
			% Surr. 2, FID	106	

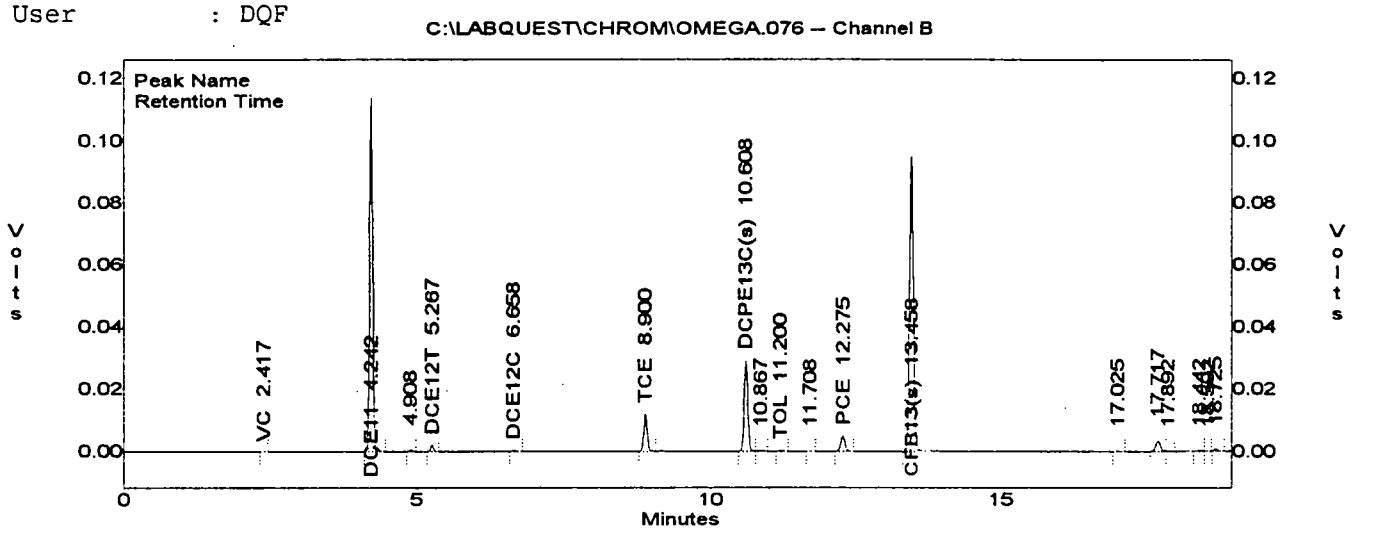
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.076
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-12
Acquired : Nov 16, 1995 17:31:31
Printed : Nov 16, 1995 17:50:59
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	13142	0.000	0
--	F12	1.892	0	0.000	0
2		2.017	21131	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
3	F11	3.558	2742518	378.732	0
4	DCE11+F113	4.342	10308647	2059.640	0
5	DCM	4.950	205924	35.923	0
6	DCE12T	5.317	83432	13.724	0
7	DCA11	5.842	37788	6.009	0
8		6.392	7474	0.000	0
--	DCE12C	6.650	0	0.000	0
9	CLFM	7.167	1716	0.238	0
10	TCA111	7.350	436688	60.965	0
--	CBTC	7.592	0	0.000	0
11	DCA12	7.967	13276	2.236	0
12	TCE	8.950	62029	8.676	0
13	DCPE13C(s)	10.650	401031	514.090	0
--	TCA112	12.108	0	0.000	0
14	PCE	12.325	35658	4.272	0
15	CFB13(s)	13.508	64457	141.494	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			14434920	3225.998	

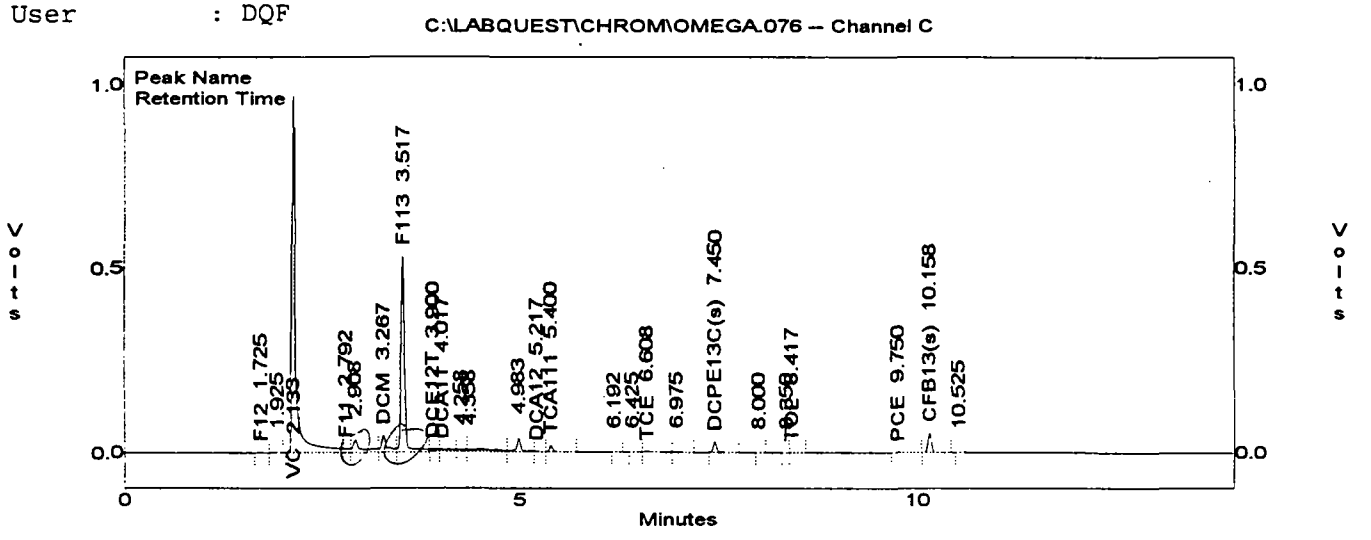
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.076
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-12
Acquired : Nov 16, 1995 17:31:31
Printed : Nov 16, 1995 17:51:04
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.417	348	0.481	0
2	DCE11	4.242	415688	249.086 ✓	0
3		4.908	1640	0.000	0
4	DCE12T	5.267	6919	1.849	0
5	DCE12C	6.658	1168	0.588	0
--	BNZ	7.867	0	0.000	0
6	TCE	8.900	49054	20.652	0
7	DCPE13C(s)	10.608	123838	927.247	0
8		10.867	979	0.000	0
9	TOL	11.200	1358	0.351	0
10		11.708	305	0.000	0
11	PCE	12.275	24462	12.737	0
12	CFB13(s)	13.458	453575	934.932	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
13		17.025	565	0.000	0
14		17.717	18958	0.000	0
15		17.892	444	0.000	0
16		18.442	1375	0.000	0
17		18.592	555	0.000	0
18		18.725	3575	0.000	0
Totals :			1104812	2147.922	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.076
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-12
Acquired : Nov 16, 1995 17:31:31
Printed : Nov 16, 1995 17:51:08
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.725	4117	44.838✗		0
2		1.925	2568	0.000		0
3	VC	2.133	3429831	5529.570✗		0
--	CLET	2.383	0	0.000		0
4	F11	2.792	66130	~~627.860~~✓		0
5		2.908	~~269989~~ 75889	~~8.000~~	719.75	0
--	11DCE	3.200		0.000		0
6	DCM	3.267	236542	1062.183		0
7	F113	3.517	1767827	8847.910 ✓	7896.995	0
8	DCE12T	3.900	54982	~~138.432~~	3.34 ✓	0
9	DCA11	4.017	90238	~~219.025~~	2.61 ✓	0
10		4.258	49583	0.000		0
11		4.358	176601	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
12		4.983	158566	0.000		0
13	DCA12	5.217	11053	~~27.338~~	2.389	0
14	TCA111	5.400	57677	~~182.235~~	154.349	0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
15		6.192	323	0.000		0
16		6.425	793	0.000		0
17	TCE	6.608	10139	32.311✓		0
18		6.975	2356	0.000		0
19	DCPE13C(s)	7.450	81874	1086.067		0
20		8.000	269	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.076
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG21-12
Acquired : Nov 16, 1995 17:31:31
Printed : Nov 16, 1995 17:51:10
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	TCA112	8.108	0	0.000	0
21		8.350	641	0.000	0
22	TOL	8.417	863	0.581	0
23	PCE	9.750	4522	17.829	0
24	CFB13(s)	10.158	173506	1064.069	0
25		10.525	432	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

6651431 18880.246

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 5630-6' | Probe Depth (ft): 6'

Time Sampled: 17:40 | Sampled by: WM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: CONCRETE

Air Temp. (F): 62.1°F | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 18

Purge Volume (liters): .50 | Equilibrium Time: :16

Purge Time (min.): :07 | Sample Volume (ml): 20 mL

Notes: 250 ppm. | Syringe ID: A _____ B _____

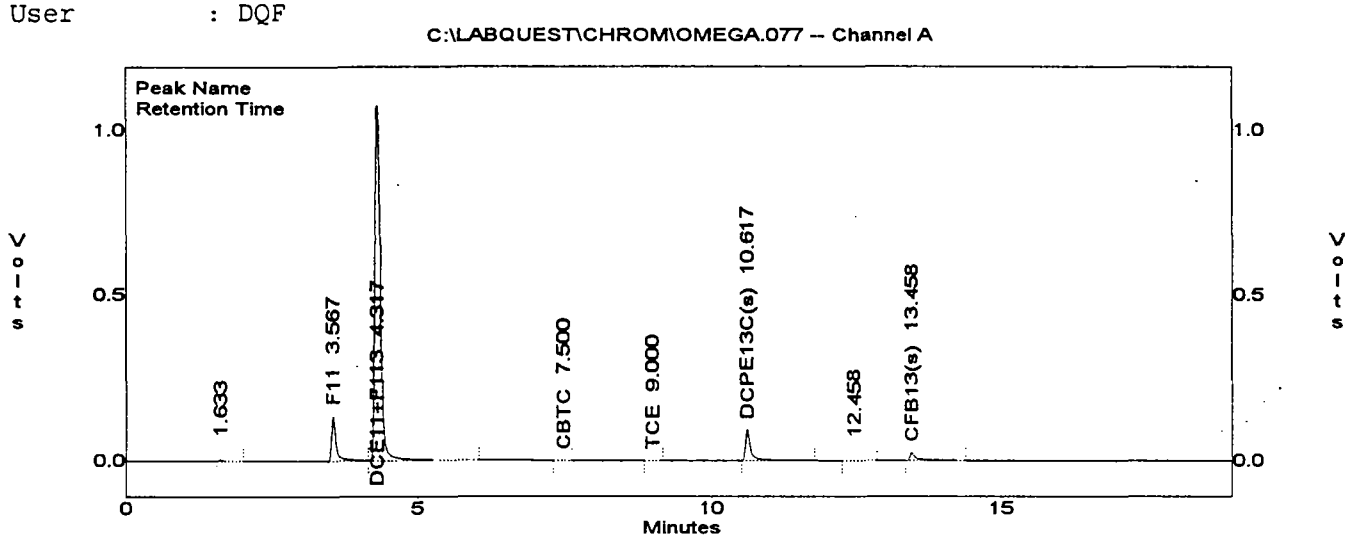
Analytical Summary

Chemist: DOF | Volume Analyzed: 1 mL

Recd. Date: 11/16/95 Time: 17:45 | Time Injected: 17:54 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	9.2	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	210		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	2300	
111TCA	↓				
Carbon Tetrachloride	↓				
12DCA	↓				
TCE	2.2				
112TCA	<1		% Surr. 1, ELCD	77	
PCE	↓		% Surr. 2, ELCD	40	
1112PCA	↓		% Surr. 1, PID	93	
1122PCA	↓		% Surr. 2, PID	94	
			% Surr. 1, FID	107	
			% Surr. 2, FID	106	

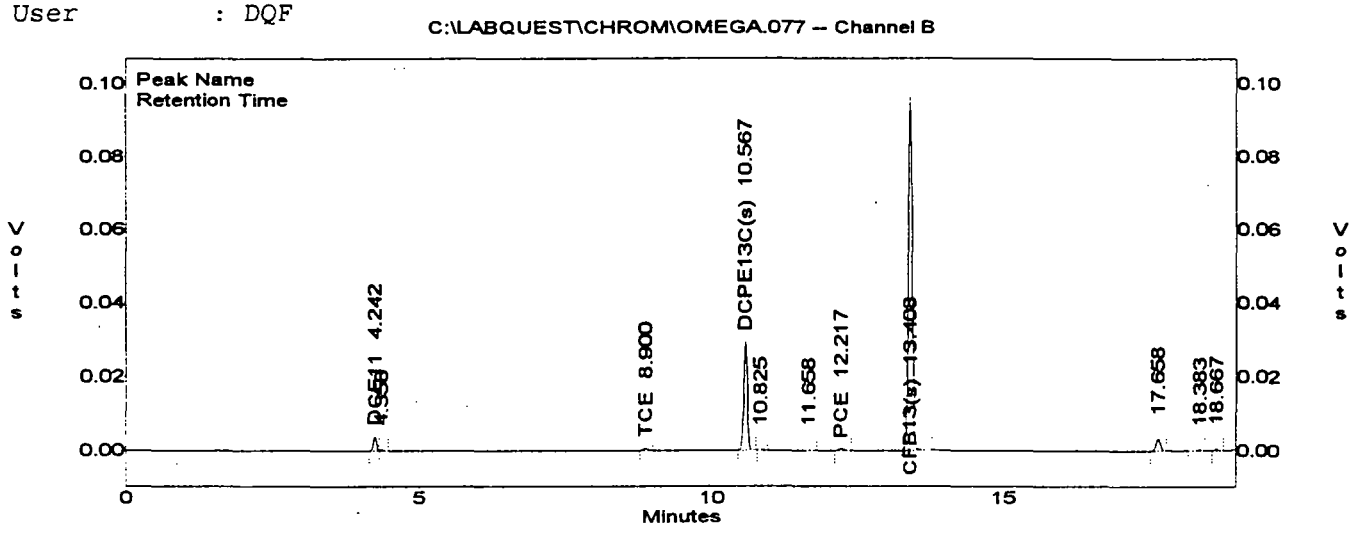
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.077
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-6
Acquired : Nov 16, 1995 17:56:20
Printed : Nov 16, 1995 18:15:50
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	15897	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.567	772065	106.619	0
3	DCE11+F113	4.317	7142696	1427.092	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
4	CBTC	7.500	680	0.080	0
--	DCA12	7.958	0	0.000	0
5	TCE	9.000	1984	0.277	0
6	DCPE13C(s)	10.617	604224	774.569	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
7		12.458	3418	0.000	0
8	CFB13(s)	13.458	183102	401.937	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			8724068	2710.575	

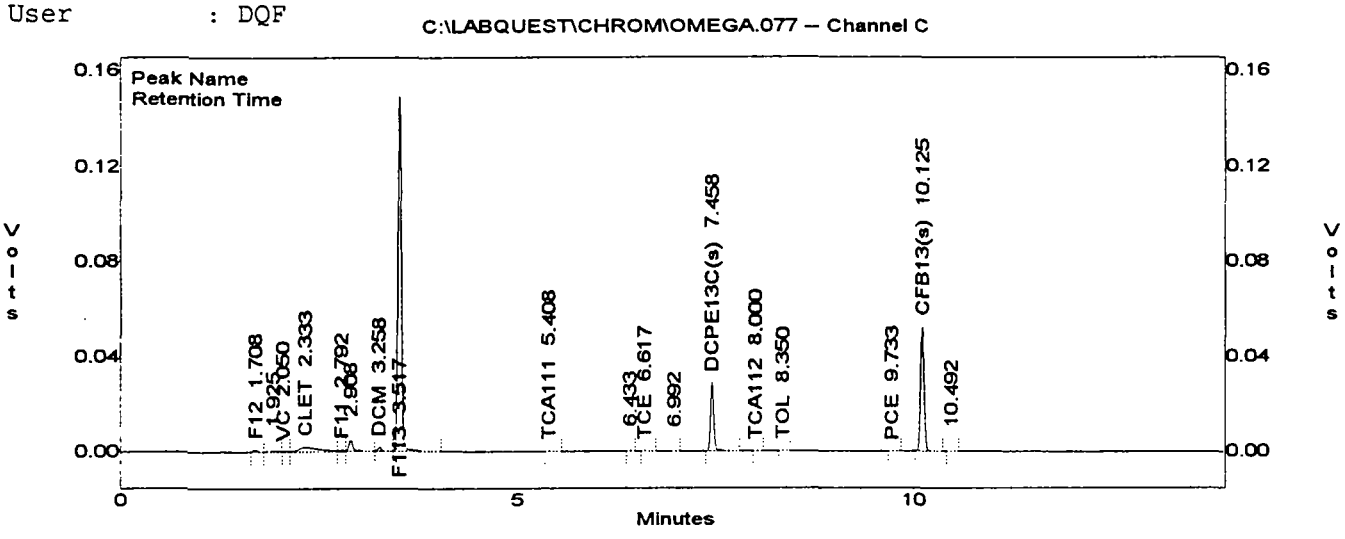
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.077
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-6
Acquired : Nov 16, 1995 17:56:20
Printed : Nov 16, 1995 18:15:54
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1	DCE11	4.242	15356	9.202	0
2		4.358	1067	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
3	TCE	8.900	2929	1.233	0
4	DCPE13C(s)	10.567	123885	927.597	0
5		10.825	568	0.000	0
--	TOL	11.208	0	0.000	0
6		11.658	339	0.000	0
7	PCE	12.217	3181	1.656	0
8	CFB13(s)	13.408	457563	943.153	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.658	18763	0.000	0
10		18.383	813	0.000	0
11		18.667	2024	0.000	0
Totals :			626491	1882.841	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.077
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-6
Acquired : Nov 16, 1995 17:56:20
Printed : Nov 16, 1995 18:15:58
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.708	4070	44.318	0
2		1.925	4852	0.000	0
3	VC	2.050	2275	3.669	0
4	CLET	2.333	38800	66.463	0
5	F11	2.792	3847	~~36.525~~	0
6		2.908	21870	0.000 20764	0
--	11DCE	3.200	0	0.000	0
7	DCM	3.258	7203	32.347	0
8	F113	3.517	459135	2297.954	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
9	TCA111	5.408	522	1.652	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
10		6.433	604	0.000	0
11	TCE	6.617	691	2.202	0
12		6.992	237	0.000	0
13	DCPE13C(s)	7.458	80756	1071.237	0
14	TCA112	8.000	210	0.686	0
15	TOL	8.350	604	0.407	0
16	PCE	9.733	429	1.693	0
17	CFB13(s)	10.125	172352	1056.994	0
18		10.492	556	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.077
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-6
Acquired : Nov 16, 1995 17:56:20
Printed : Nov 16, 1995 18:16:00
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	799017	4616.146

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: # SG30-12	Probe Depth (ft): 12'
Time Sampled: 18:00	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: CONCRETE
Air Temp. (F): 60.6°F	Wind dir/speed: CALM

Sample Parameters

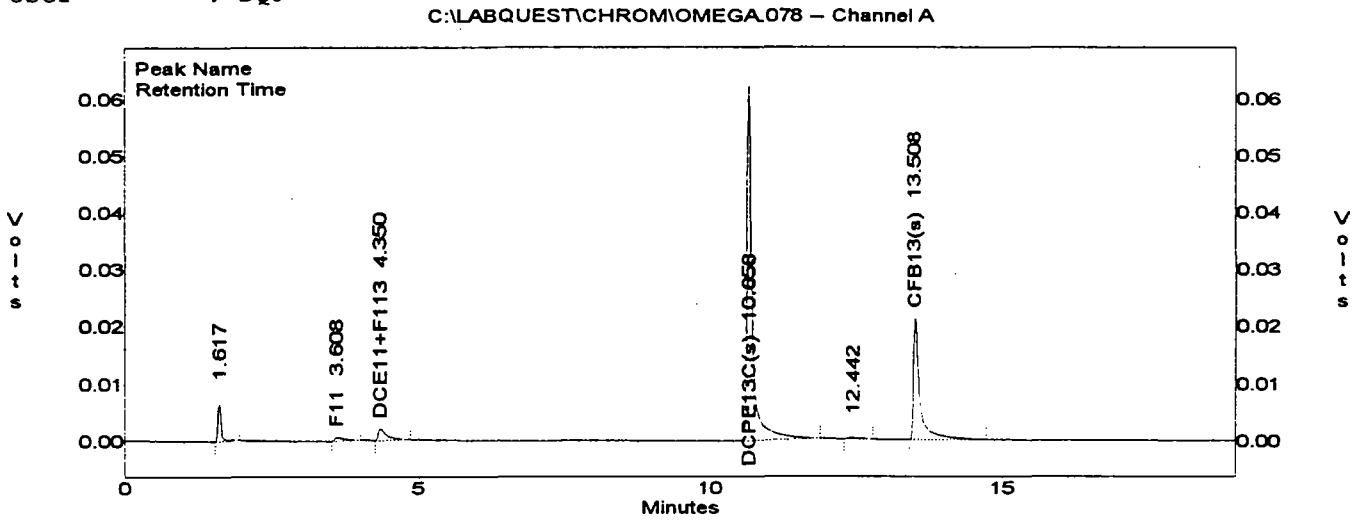
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 23
Purge Volume (liters): .75	Equilibrium Time: :25
Purge Time (min.): :12	Sample Volume (ml): 20 mL
Notes: +10 Ppm	Syringe ID: A _____ B _____

Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 18:05	Time Injected: 18:19 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	16
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	52
PCE		% Surr. 2, ELCD	37
1112PCA		% Surr. 1, PID	92
1122PCA		% Surr. 2, PID	93
		% Surr. 1, FID	106
		% Surr. 2, FID	105

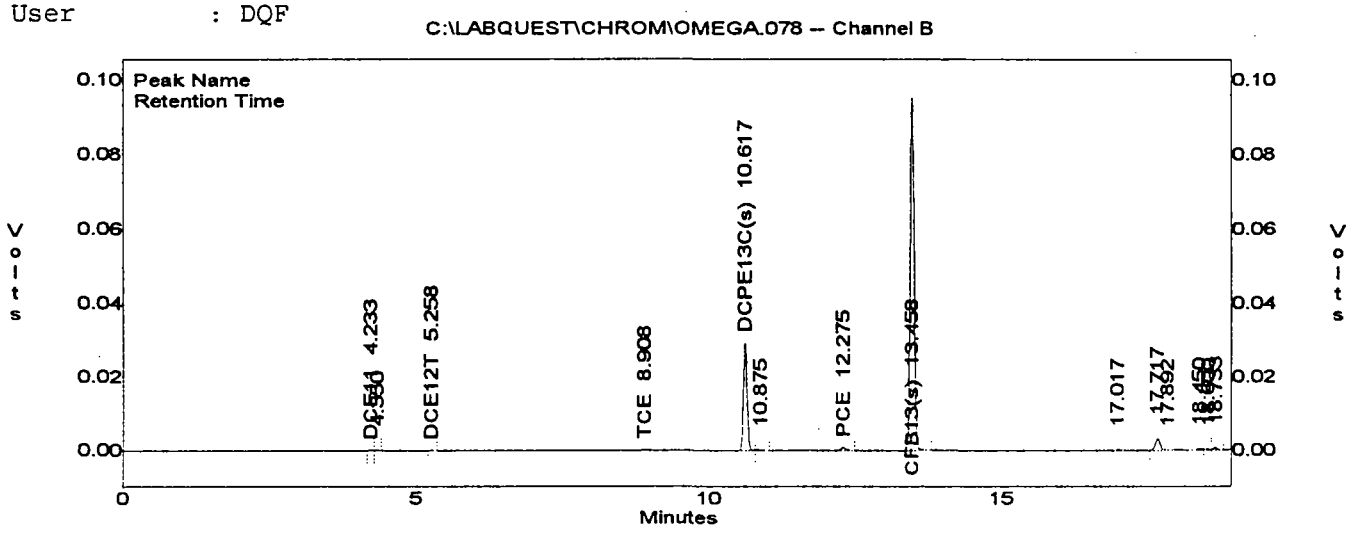
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.078
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-12
Acquired : Nov 16, 1995 18:21:18
Printed : Nov 16, 1995 18:40:39
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.617	26355	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.608	7293	1.007	0
3	DCE11+F113	4.350	21254	4.247	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
4	DCPE13C(s)	10.658	404832	518.963	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
5		12.442	3397	0.000	0
6	CFB13(s)	13.508	168810	370.565	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			631942	894.782	

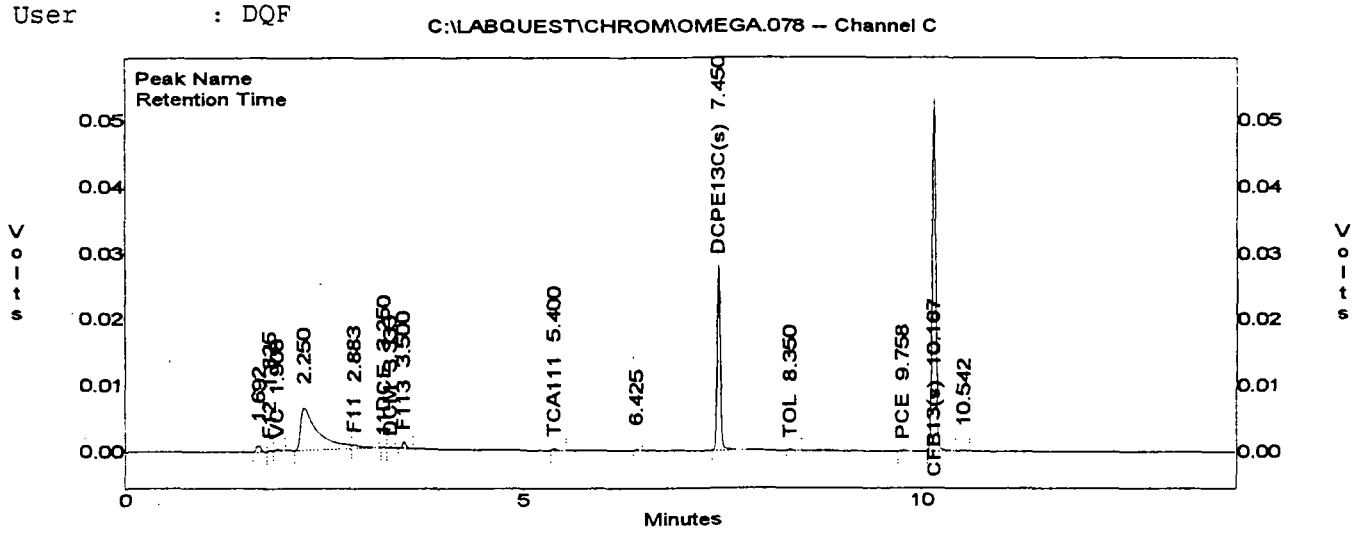
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.078
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-12
Acquired : Nov 16, 1995 18:21:18
Printed : Nov 16, 1995 18:40:43
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1	DCE11	4.233	915	0.548	0
2		4.350	345	0.000	0
3	DCE12T	5.258	338	0.090	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
4	TCE	8.908	690	0.291	0
5	DCPE13C(s)	10.617	123244	922.798	0
6		10.875	1102	0.000	0
--	TOL	11.208	0	0.000	0
7	PCE	12.275	4580	2.385	0
8	CFB13(s)	13.458	452802	933.340	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.017	436	0.000	0
10		17.717	18382	0.000	0
11		17.892	381	0.000	0
12		18.450	1655	0.000	0
13		18.600	643	0.000	0
14		18.733	2599	0.000	0
Totals :			608118	1859.452	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.078
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-12
Acquired : Nov 16, 1995 18:21:18
Printed : Nov 16, 1995 18:40:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.692	4009	0.000		0
2	F12	1.825	550	5.994		0
3	VC	1.908	1256	2.025		0
4		2.250	95912	0.000		0
--	CLET	2.383	0	0.000		0
5	F11	2.883	5342	50.723		0
6	11DCE	3.250	271	0.681		0
7	DCM	3.333	342	1.540		0
8	F113	3.500	3244	16.237		0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
9	TCA111	5.400	1106	3.496		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
10		6.425	624	0.000		0
--	TCE	6.592	0	0.000		0
11	DCPE13C(s)	7.450	80232	1064.286		0
--	TCA112	8.108	0	0.000		0
12	TOL	8.350	786	0.529		0
13	PCE	9.758	734	2.894		0
14	CFB13(s)	10.167	171389	1051.089		0
15		10.542	497	0.000		0
--	PCA1112	10.633	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.078
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG30-12
Acquired : Nov 16, 1995 18:21:18
Printed : Nov 16, 1995 18:40:49
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

366300	2199.496

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB3-6'
Probe Depth (ft): 6'
Time Sampled: 9:34
Sampled by: WM
Date Sampled: 11-16-95
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST
Ground Surface: CONCRETE
Air Temp. (F): 59.7°F
Wind dir/speed: CALM

Sample Parameters

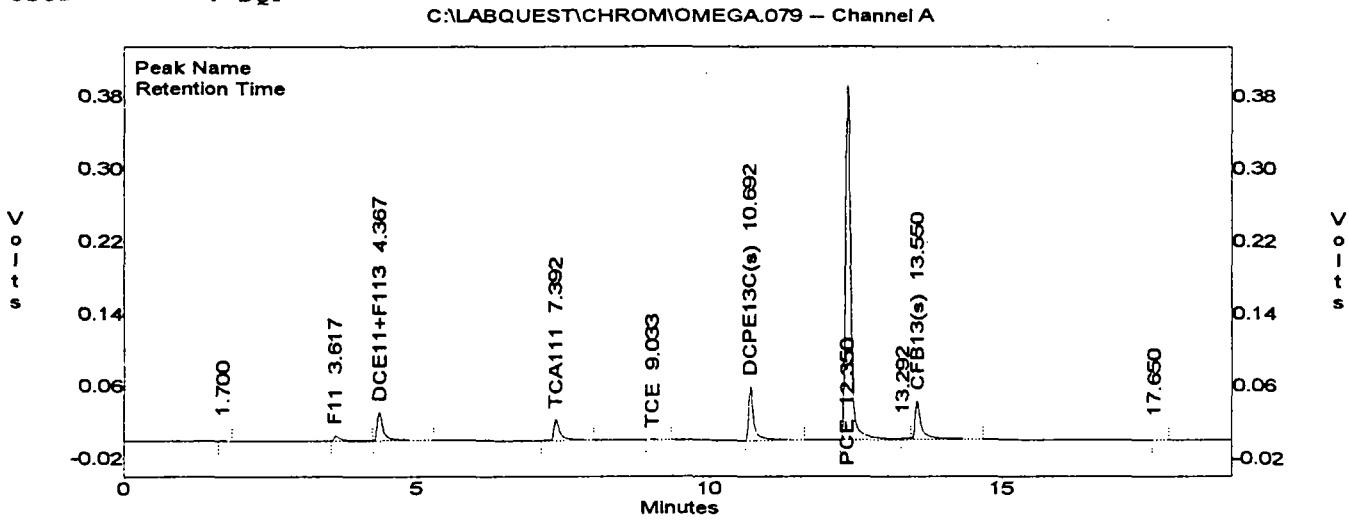
Probe Volume (ml): 150
Max. Purge Vacuum (in. Hg): 17
Purge Volume (liters): .50
Equilibrium Time: :02
Purge Time (min.): :02
Sample Volume (ml): 20ml
Notes: FID reading = 400 ppm
Syringe ID: A B

Analytical Summary

Chemist: DOT
Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 09:36
Time Injected: 9:44 Loop #: 5, 6

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	2.9	3.5
Vinyl Chloride	"	"	Benzene	<1	<1
Chloroethane	"	"	Toluene	"	"
Freon 11	18	12	Ethylbenzene	"	"
Dichloromethane	<1	<1	m/p-Xylene	"	"
t-12DCE	"	"	o-Xylene	"	"
11DCA	"	"			
c-12DCE	"	"			
Chloroforme	"	"	Freon 113	120	110
111TCA	58	58			
Carbon Tetrachloride	<1	<1			
12DCA	<1	<1			
TCE	6.1	6.5			
112TCA	<1	<1	% Surr. 1, ELCD	49	68
PCE	830	700	% Surr. 2, ELCD	79	43
1112PCA	<1	<1	% Surr. 1, PID	91	91
1122PCA	<1	<1	% Surr. 2, PID	93	94
			% Surr. 1, FID	106	107
			% Surr. 2, FID	106	107

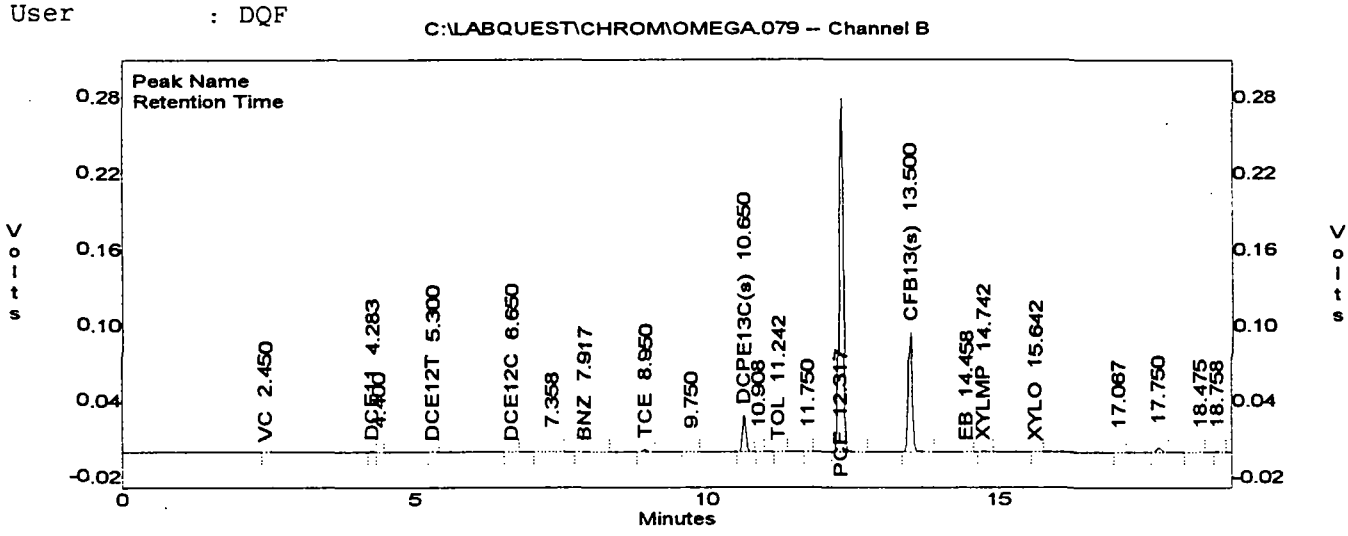
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.079
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6
Acquired : Nov 16, 1995 18:45:28
Printed : Nov 17, 1995 08:23:41
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	6069	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.617	48649	6.718	0
3	DCE11+F113	4.367	245401	49.031	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
4	TCA111	7.392	176538	24.646	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
5	TCE	9.033	8566	1.198	0
6	DCPE13C(s)	10.692	385172	493.761	0
--	TCA112	12.108	0	0.000	0
7	PCE	12.350	2489867	298.270	0
8		13.292	19940	0.000	0
9	CFB13(s)	13.550	358591	787.163	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
10		17.650	534	0.000	0
Totals :			3739330	1660.787	

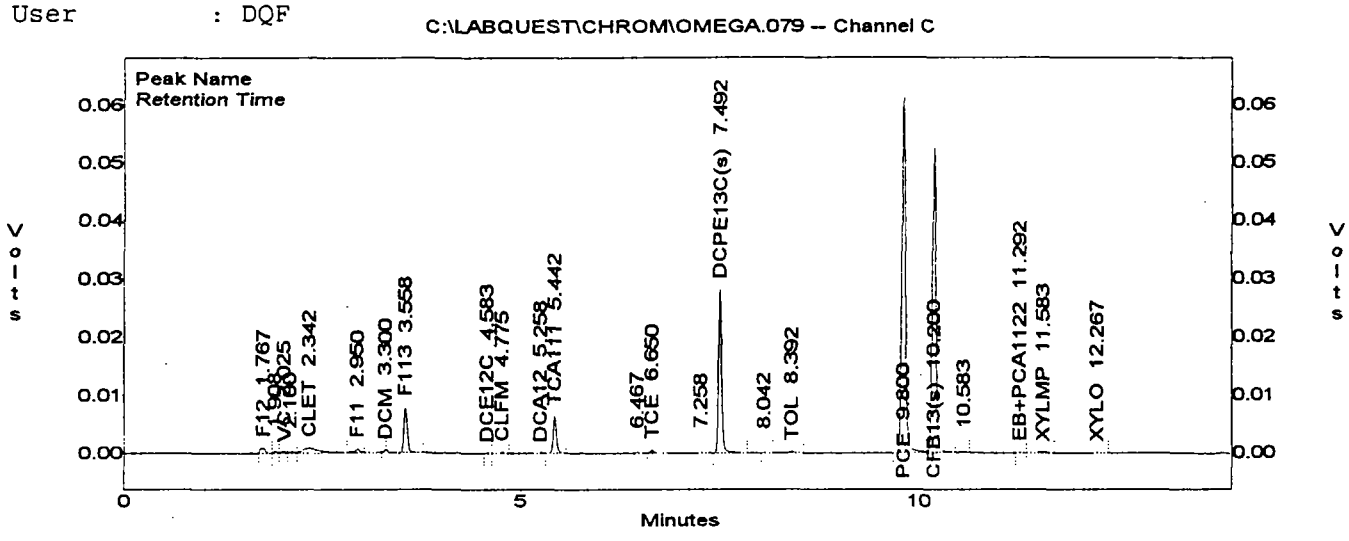
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.079
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6
Acquired : Nov 16, 1995 18:45:28
Printed : Nov 17, 1995 08:23:46
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1	VC	2.450	705	0.975		0
2	DCE11	4.283	4771	2.859		0
3		4.400	772	0.000		0
4	DCE12T	5.300	1441	0.385		0
5	DCE12C	6.650	682	0.343		0
6		7.358	1234	0.000		0
7	BNZ	7.917	4707	1.125		0
8	TCE	8.950	8678	3.653		0
9		9.750	646	0.000		0
10	DCPE13C(s)	10.650	121161	907.205		0
11		10.908	470	0.000		0
12	TOL	11.242	478	0.124		0
13		11.750	352	0.000		0
14	PCE	12.317	1380941	719.025		0
15	CFB13(s)	13.500	449564	926.665		0
16	EB	14.458	438	0.130		0
17	XYLMP	14.742	1450	0.358		0
18	XYLO	15.642	464	0.138		0
19		17.067	1291	0.000		0
20		17.750	20177	0.000		0
21		18.475	1258	0.000		0
22		18.758	1471	0.000		0
Totals :			2003158	2562.985		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.079
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6
Acquired : Nov 16, 1995 18:45:28
Printed : Nov 17, 1995 08:23:50
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.767	4340	47.258		0
2		1.908	1190	0.000		0
3	VC	2.025	1243	2.004		0
4		2.100	1275	0.000		0
5	CLET	2.342	15425	26.424		0
6	F11	2.950	1869	17.749		0
--	11DCE	3.200	0	0.000		0
7	DCM	3.300	542	2.434		0
8	F113	3.558	24624	123.242		0
--	DCE12T	3.850	0	0.000		0
--	DCA11	3.967	0	0.000		0
9	DCE12C	4.583	213	0.527		0
10	CLFM	4.775	519	3.158		0
11	DCA12	5.258	226	0.560		0
12	TCA111	5.442	18417	58.191		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
13		6.467	561	0.000		0
14	TCE	6.650	1923	6.128		0
15		7.258	346	0.000		0
16	DCPE13C(s)	7.492	80274	1064.843		0
17		8.042	215	0.000		0
--	TCA112	8.108	0	0.000		0
18	TOL	8.392	871	0.586		0
19	PCE	9.800	210793	831.096		0
20	CFB13(s)	10.200	173148	1061.875		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.079
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6
Acquired : Nov 16, 1995 18:45:28
Printed : Nov 17, 1995 08:23:52
User : DQF

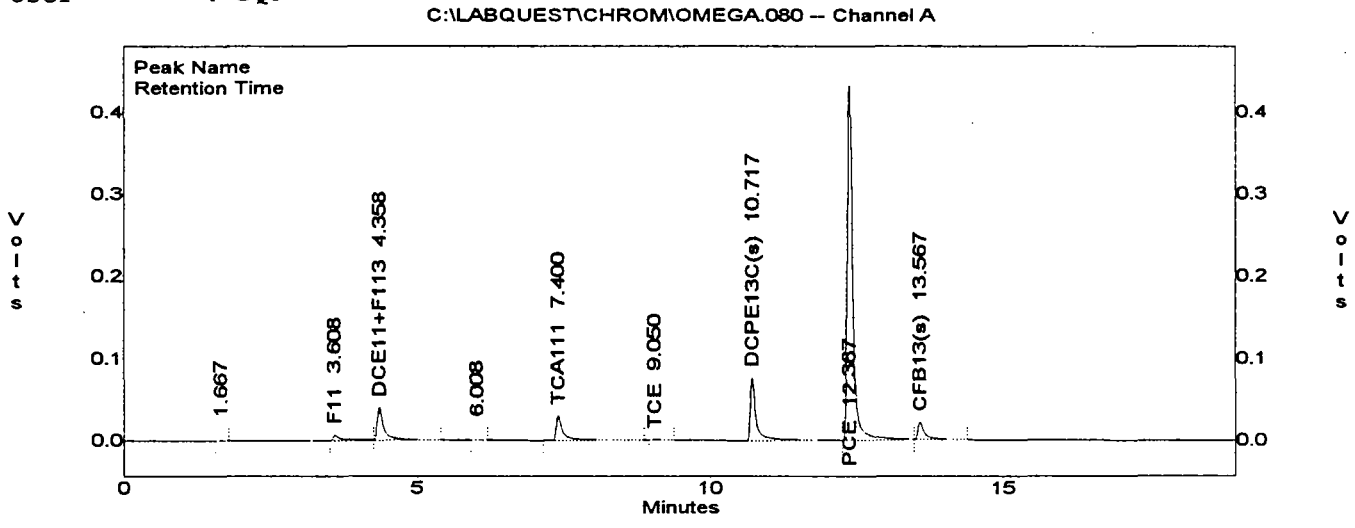
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
21		10.583	526	0.000	0
--	PCA1112	10.633	0	0.000	0
22	EB+PCA1122	11.292	236	0.328	0
23	XYLMP	11.583	756	0.513	0
24	XYLO	12.267	311	0.182	0

Totals :

539851	3247.099	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.080
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6D
Acquired : Nov 16, 1995 19:09:58
Printed : Nov 17, 1995 08:28:17
User : DQF



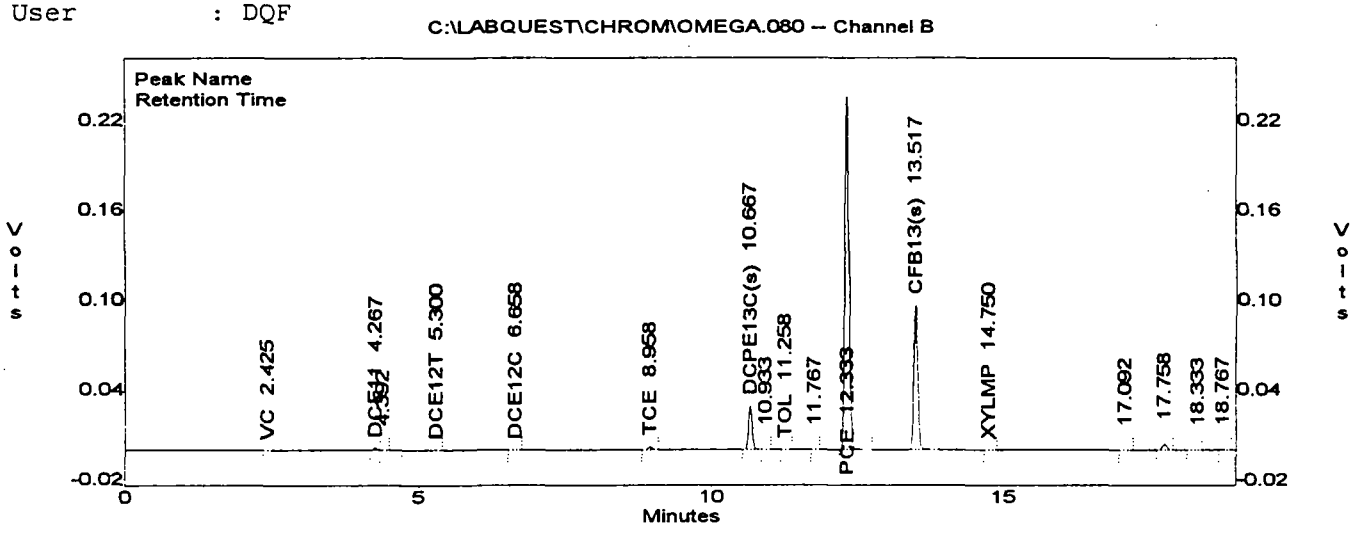
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	2149	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.608	65130	8.994	0
3	DCE11+F113	4.358	325979	65.130	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
4		6.008	863	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.400	265710	37.095	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	9.050	11383	1.592	0
7	DCPE13C(s)	10.717	529968	679.378	0
--	TCA112	12.108	0	0.000	0
8	PCE	12.367	2862641	342.926	0
9	CFB13(s)	13.567	196622	431.616	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

4260447	1566.731	

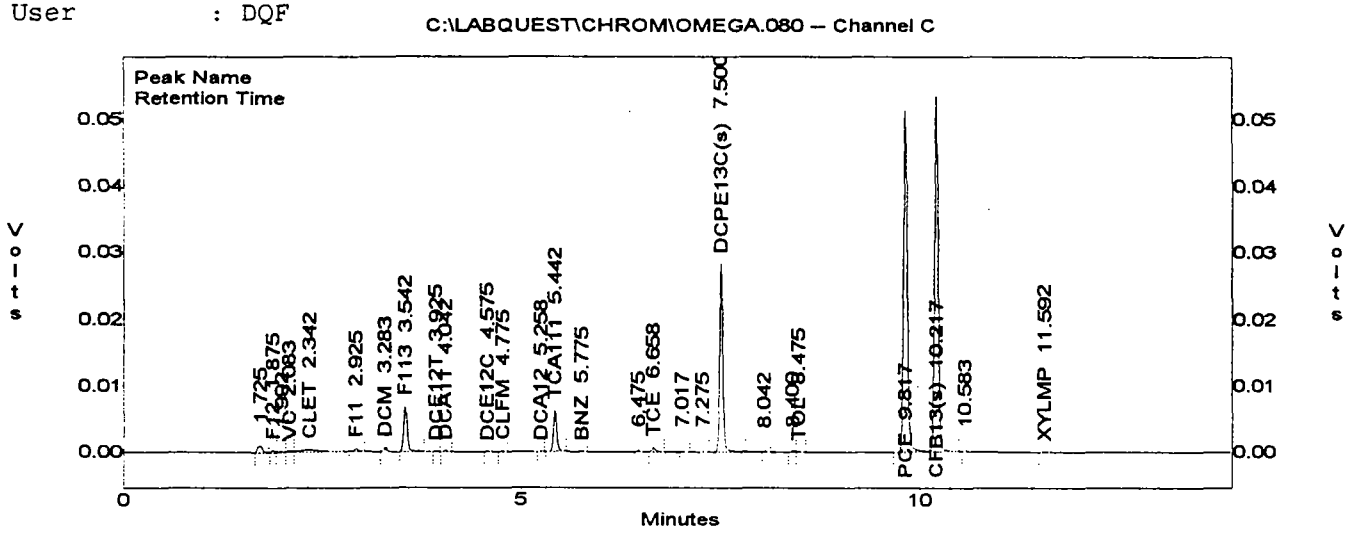
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.080
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6D
Acquired : Nov 16, 1995 19:09:58
Printed : Nov 17, 1995 08:28:21
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.425	604	0.835	0
2	DCE11	4.267	5851	3.506	0
3		4.392	685	0.000	0
4	DCE12T	5.300	1390	0.372	0
5	DCE12C	6.658	882	0.444	0
--	BNZ	7.867	0	0.000	0
6	TCE	8.958	9162	3.857	0
7	DCPE13C(s)	10.667	121822	912.154	0
8		10.933	496	0.000	0
9	TOL	11.258	488	0.126	0
10		11.767	307	0.000	0
11	PCE	12.333	1158736	603.328	0
12	CFB13(s)	13.517	455194	938.270	0
--	EB	14.417	0	0.000	0
13	XYLMP	14.750	590	0.146	0
--	XYLO	15.592	0	0.000	0
14		17.092	1123	0.000	0
15		17.758	20463	0.000	0
16		18.333	326	0.000	0
17		18.767	1415	0.000	0
Totals :			1779538	2463.037	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.080
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6D
Acquired : Nov 16, 1995 19:09:58
Printed : Nov 17, 1995 08:28:26
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.725	4696	0.000		0
2	F12	1.875	1028	11.197		0
3		1.992	985	0.000		0
4	VC	2.083	742	1.197		0
5	CLET	2.342	6265	10.733		0
6	F11	2.925	1216	11.550		0
--	11DCE	3.200	0	0.000		0
7	DCM	3.283	468	2.103		0
8	F113	3.542	21998	110.103		0
9	DCE12T	3.925	214	0.539		0
10	DCA11	4.042	571	1.386		0
11	DCE12C	4.575	257	0.635		0
12	CLFM	4.775	468	2.848		0
13	DCA12	5.258	251	0.622		0
14	TCA111	5.442	18386	58.092		0
15	BNZ	5.775	205	0.137		0
--	CBTC	5.825	0	0.000		0
16		6.475	596	0.000		0
17	TCE	6.658	2029	6.466		0
18		7.017	222	0.000		0
19		7.275	232	0.000		0
20	DCPE13C(s)	7.500	80706	1070.573		0
21		8.042	218	0.000		0
--	TCA112	8.108	0	0.000		0
22		8.400	616	0.000		0
23	TOL	8.475	310	0.209		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.080
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG3-6D
Acquired : Nov 16, 1995 19:09:58
Printed : Nov 17, 1995 08:28:27
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
24	PCE	9.817	177399	699.432	0
25	CFB13(s)	10.217	175105	1073.878	0
26		10.583	452	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
27	XYLMP	11.592	299	0.203	0
--	XYLO	12.217	0	0.000	0

Totals :

495944	3061.903	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG2-6'	Probe Depth (ft): 6'
Time Sampled: 10:05	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 59.7°	Wind dir/speed: CALM

Sample Parameters

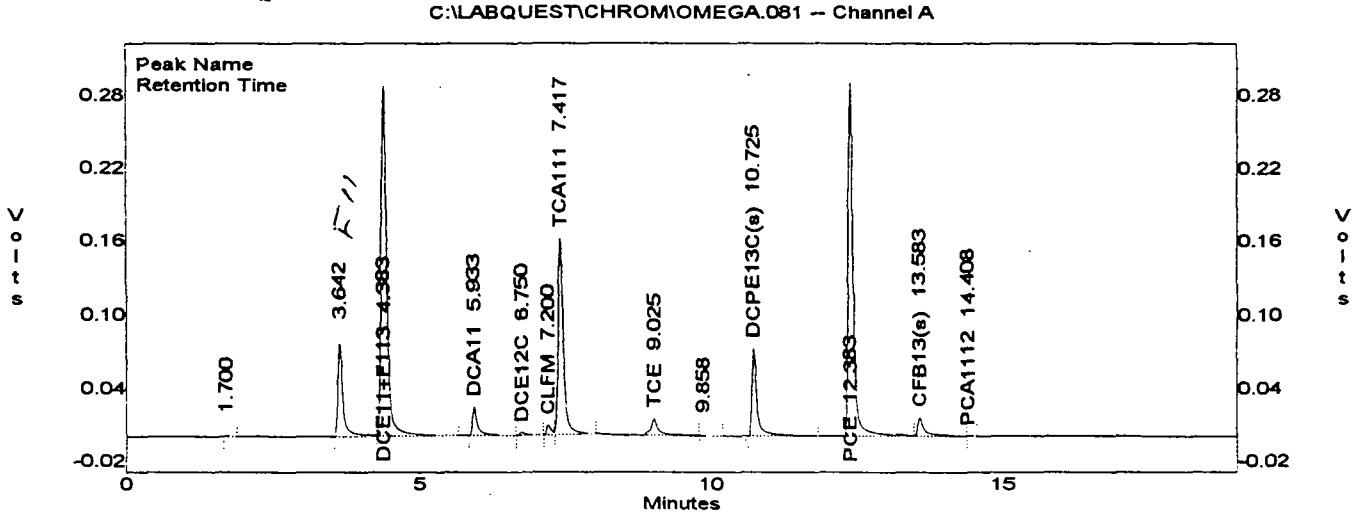
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :02	Sample Volume (ml): 20 mL
Notes: 400 P.P.M	Syringe ID: A B

Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 10:10	Time Injected: 10:12 Loop #: 7

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	67	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	200		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	<1		o-Xylene	↓	
11DCA	59				
c-12DCE	12				
Chloroforme	17		Freon 113	720	
111TCA	300				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	55				
112TCA	<1		% Surr. 1, ELCD	58	
PCE	570		% Surr. 2, ELCD	30	
1112PCA	<1		% Surr. 1, PID	92	
1122PCA	<1		% Surr. 2, PID	94	
			% Surr. 1, FID	110	
			% Surr. 2, FID	109	

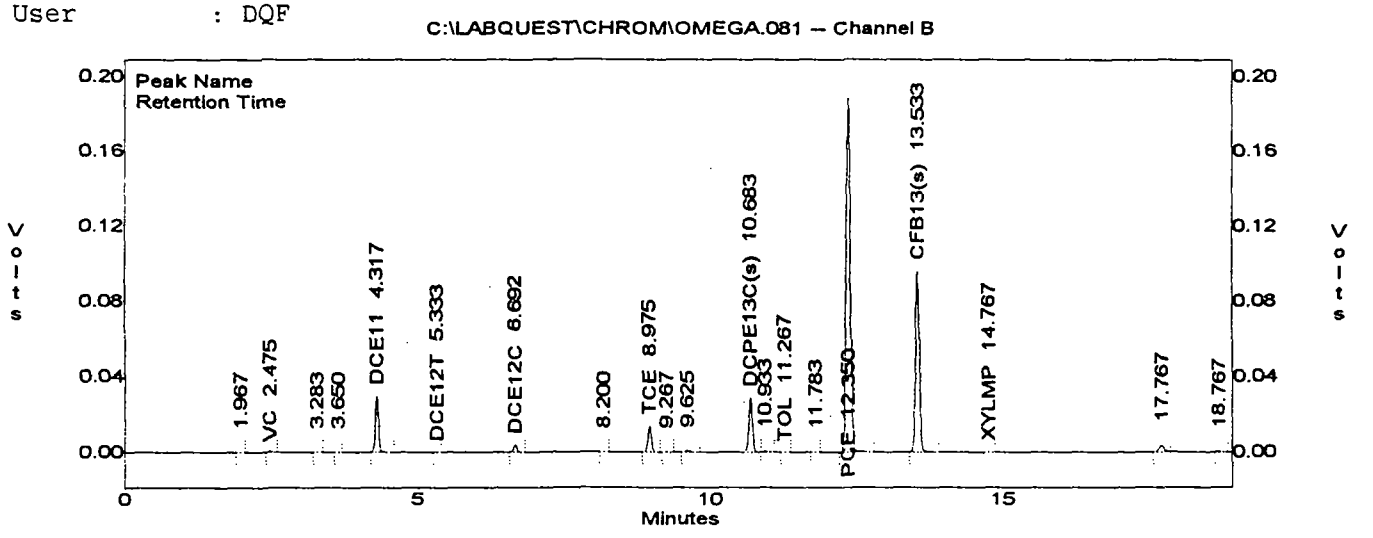
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.081
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-6
Acquired : Nov 16, 1995 19:34:29
Printed : Nov 17, 1995 08:59:00
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	1501	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
2		3.642	481532	0.000	0
3	DCE11+F113	4.383	1934537	386.515	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
4	DCA11	5.933	160310	25.491	0
5	DCE12C	6.750	21785	3.743	0
6	CLFM	7.200	45931	6.375	0
7	TCA111	7.417	1030937	143.926	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
8	TCE	9.025	139629	19.529	0
9		9.858	2179	0.000	0
10	DCPE13C(s)	10.725	454925	583.179	0
--	TCA112	12.108	0	0.000	0
11	PCE	12.383	1798353	215.431	0
12	CFB13(s)	13.583	134446	295.130	0
13	PCA1112	14.408	736	0.100	0
--	PCA1122	17.358	0	0.000	0
Totals :			6206807	1679.419	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.081
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-6
Acquired : Nov 16, 1995 19:34:29
Printed : Nov 17, 1995 08:59:05
User : DQF



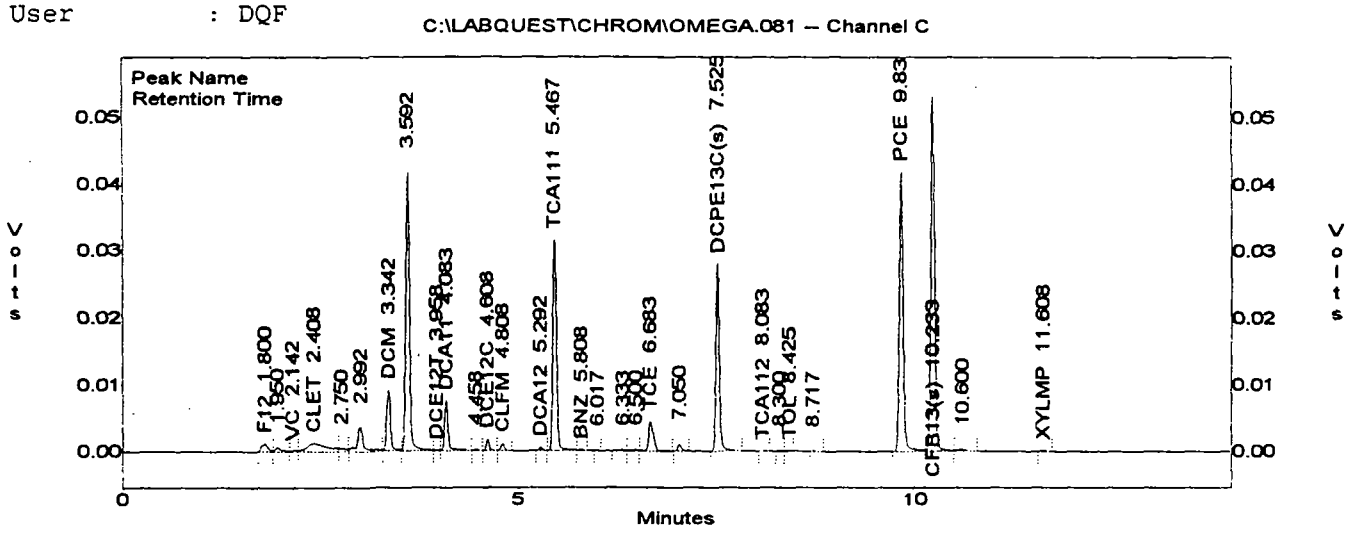
Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
1		1.967	321	0.000		0
2	VC	2.475	1485	2.053		0
3		3.283	576	0.000		0
4		3.650	348	0.000		0
5	DCE11	4.317	111683	66.922	√	0
6	DCE12T	5.333	705	0.188		0
7	DCE12C	6.692	15837	7.964		0
--	BNZ	7.867	0	0.000		0
8		8.200	413	0.000		0
9	TCE	8.975	57412	24.170		0
10		9.267	899	0.000		0
11		9.625	3791	0.000		0
12	DCPE13C(s)	10.683	122357	916.159		0
13		10.933	1027	0.000		0
14	TOL	11.267	525	0.136		0
15		11.783	381	0.000		0
16	PCE	12.350	928009	483.194		0
17	CFB13(s)	13.533	453906	935.615		0
--	EB	14.417	0	0.000		0
18	XYLMP	14.767	485	0.120		0
--	XYLO	15.592	0	0.000		0
19		17.767	20256	0.000		0
20		18.767	1224	0.000		0

Totals :

1721645	2436.521	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.081
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-6
Acquired : Nov 16, 1995 19:34:29
Printed : Nov 17, 1995 08:59:09
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.800	6358	69.238		0
2		1.950	3752	0.000		0
3	VC	2.142	964	1.555		0
4	CLET	2.408	21350	36.572		0
5		2.750	2935	0.000		0
--	F11	2.833	0	0.000		0
6		2.992	20606	0.000	195.72	0
--	11DCE	3.200	0	0.000		0
7	DCM	3.342	32731	146.980		0
--	F113	3.458	0	0.000		0
8		3.592	143830	0.000	719.88	0
9	DCE12T	3.958	713	1.798		0
10	DCA11	4.083	24245	58.849		0
11		4.458	673	0.000		0
12	DCE12C	4.608	4676	11.528		0
13	CLFM	4.808	2787	16.942		0
14	DCA12	5.292	1494	3.697		0
15	TCA111	5.467	93667	295.948		0
16	BNZ	5.808	476	0.318		0
--	CBTC	5.825	0	0.000		0
17		6.017	356	0.000		0
18		6.333	1070	0.000		0
19		6.500	749	0.000		0
20	TCE	6.683	17158	54.678		0
21		7.050	3546	0.000		0
22	DCPE13C(s)	7.525	82939	1100.195		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.081
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG2-6
quired : Nov 16, 1995 19:34:29
nted : Nov 17, 1995 08:59:11
r : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
23	TCA112	8.083	355	1.161	0
24		8.300	432	0.000	0
25	TOL	8.425	465	0.313	0
26		8.717	219	0.000	0
27	PCE	9.833	143576	566.077	0
28	CFB13(s)	10.233	177248	1087.020	0
29		10.600	1819	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
30	XYLMP	11.608	255	0.173	0
--	XYLO	12.217	0	0.000	0

Totals :

791459	3453.043	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB13-6'	Probe Depth (ft): 6'
Time Sampled: 11:58	Sampled by: WM
Date Sampled: 11-16-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: CONCRETE
Air Temp. (F):	Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 14
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :01	Sample Volume (ml): 20ml
Notes: 750+ PPM	Syringe ID: A B

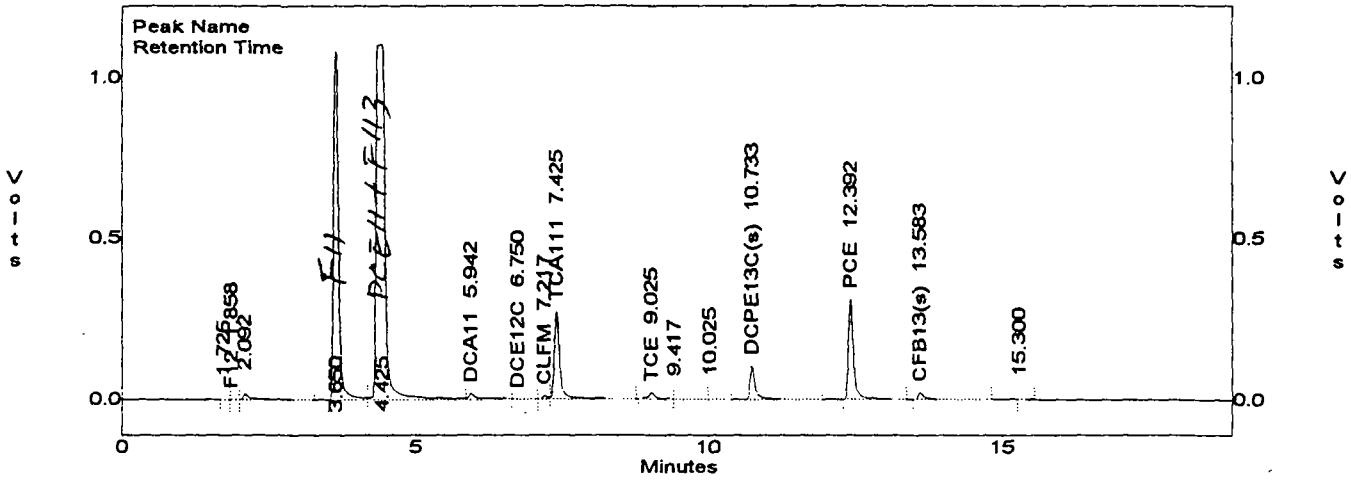
Analytical Summary

Chemist: DOF	Volume Analyzed: 1mL
Recd. Date: 11/16/95 Time: 12:00	Time Injected: 12:11 Loop #: 8

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	520	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	1100		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	2.8				
c-12DCE	1.9				
Chloroforme	15		Freon 113	5500	
111TCA	320				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	46				
112TCA	<1		% Surr. 1, ELCD	88	
PCE	420		% Surr. 2, ELCD	35	
1112PCA	<1		% Surr. 1, PID	91	
1122PCA	<1		% Surr. 2, PID	94	
			% Surr. 1, FID	122	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.082
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-6
Acquired : Nov 16, 1995 19:59:01
Printed : Nov 17, 1995 08:34:30
User : DQF

C:\LABQUEST\CHROM\OMEGA.082 – Channel A

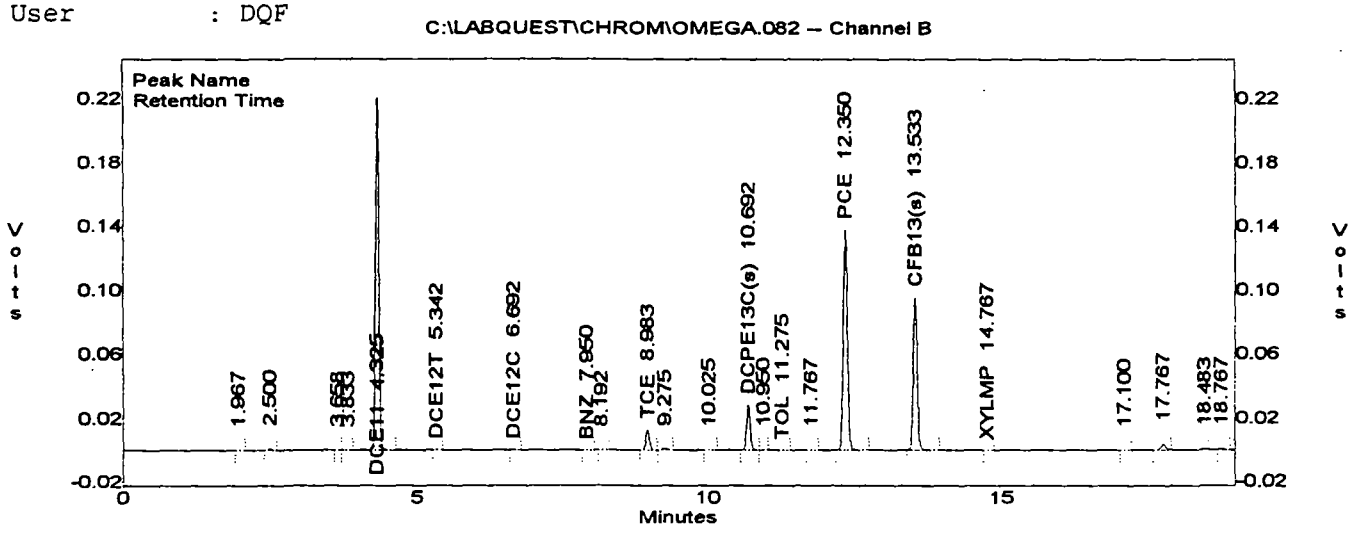


Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.725	856	0.000	0
2	F12	1.858	3543	1.221	0
3		2.092	158481	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
4		3.650	6389832	0.000	0
--	DCE11+F113	4.258	0	0.000	0
5		4.425	11709369	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
6	DCA11	5.942	213100	33.885	0
7	DCE12C	6.750	27848	4.785	0
8	CLFM	7.217	68185	9.464	0
9	TCA111	7.425	1800171	251.316	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
10	TCE	9.025	188489	26.363	0
11		9.417	17010	0.000	0
12		10.025	1475	0.000	0
13	DCPE13C(s)	10.733	684001	876.836	0
--	TCA112	12.108	0	0.000	0
14	PCE	12.392	1927647	230.920	0
15	CFB13(s)	13.583	161623	354.787	0
--	PCA1112	14.383	0	0.000	0
16		15.300	594	0.000	0

Continued...

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.082
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-6
Acquired : Nov 16, 1995 19:59:01
Printed : Nov 17, 1995 08:34:36
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.967	1095	0.000		0
--	VC	2.367	0	0.000		0
2		2.500	4074	0.000		0
3		3.658	506	0.000		0
4		3.833	838	0.000		0
5	DCE11	4.325	863208	517.245	✓	0
6	DCE12T	5.342	951	0.254		0
7	DCE12C	6.692	2110	1.061		0
8	BNZ	7.950	496	0.119	✓	0
9		8.192	428	0.000		0
10	TCE	8.983	54566	22.972		0
11		9.275	4716	0.000		0
12		10.025	588	0.000		0
13	DCPE13C(s)	10.692	122085	914.119		0
14		10.950	682	0.000		0
15	TOL	11.275	527	0.136	✓	0
16		11.767	472	0.000		0
17	PCE	12.350	672660	350.239		0
18	CFB13(s)	13.533	453720	935.231		0
--	EB	14.417	0	0.000	✓	0
19	XYLMP	14.767	359	0.089	✓	0
--	XYLO	15.592	0	0.000	✓	0
20		17.100	453	0.000		0
21		17.767	19373	0.000		0
22		18.483	706	0.000		0
23		18.767	2582	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.082
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-6
quired : Nov 16, 1995 19:59:01
nted : Nov 17, 1995 08:34:38
: DQF

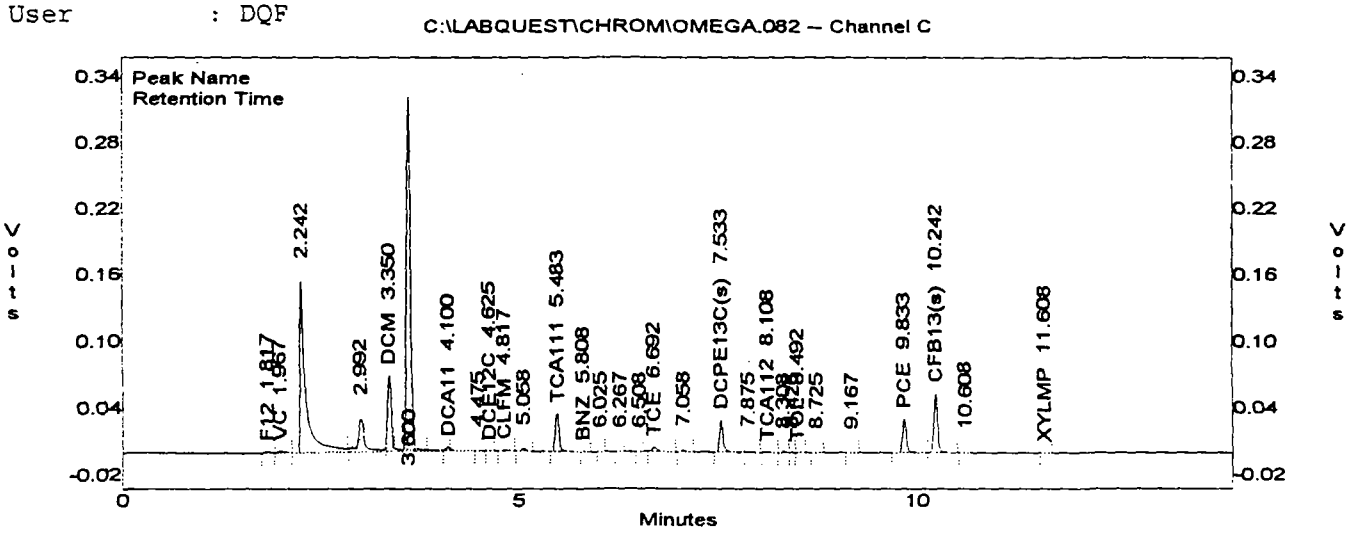
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf

Totals :

2207201 2741.467

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.082
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG13-6
Acquired : Nov 16, 1995 19:59:01
Printed : Nov 17, 1995 08:34:41
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.817	6787	73.907		0
2	VC	1.967	10156	16.374		0
3		2.242	798422	0.000		0
--	CLET	2.383	0	0.000		0
--	F11	2.833	0	0.000		0
4		2.992	~~351566~~ 110644	0.000	1050.9	0
--	11DCE	3.200	0	0.000		0
5	DCM	3.350	~~205753~~ 231537	923.927		0
--	F113	3.458	0	0.000		0
6		3.600	1084151	0.000	5472.706	0
--	DCE12T	3.850	1093426	0.000		0
7	DCA11	4.100	~~4147~~ 11732	~~10.066~~ 28.476		0
8		4.475	232	0.000		0
9	DCE12C	4.625	754	1.859		0
10	CLFM	4.817	2535	15.411		0
11		5.058	6329	0.000		0
--	DCA12	5.192	0	0.000	324.019	0
12	TCA111	5.483	~~98158~~ 102251	~~310.138~~	~~324.019~~	0
13	BNZ	5.808	508	0.339		0
--	CBTC	5.825	0	0.000		0
14		6.025	505	0.000		0
15		6.267	323	0.000		0
16		6.508	463	0.000		0
17	TCE	6.692	14507	46.229		0
18		7.058	4246	0.000		0
19	DCPE13C(s)	7.533	92012	1220.561		0

Continued...

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB20-6 | Probe Depth (ft): 6'

Time Sampled: 13:10 | Sampled by: WM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: concrete

Air Temp. (F): 67.5°F | Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 22

Purge Volume (liters): .50 | Equilibrium Time: :03

Purge Time (min.): :03 | Sample Volume (ml): 20 ml

Notes: 350 ppm | Syringe ID: A ____ B ____

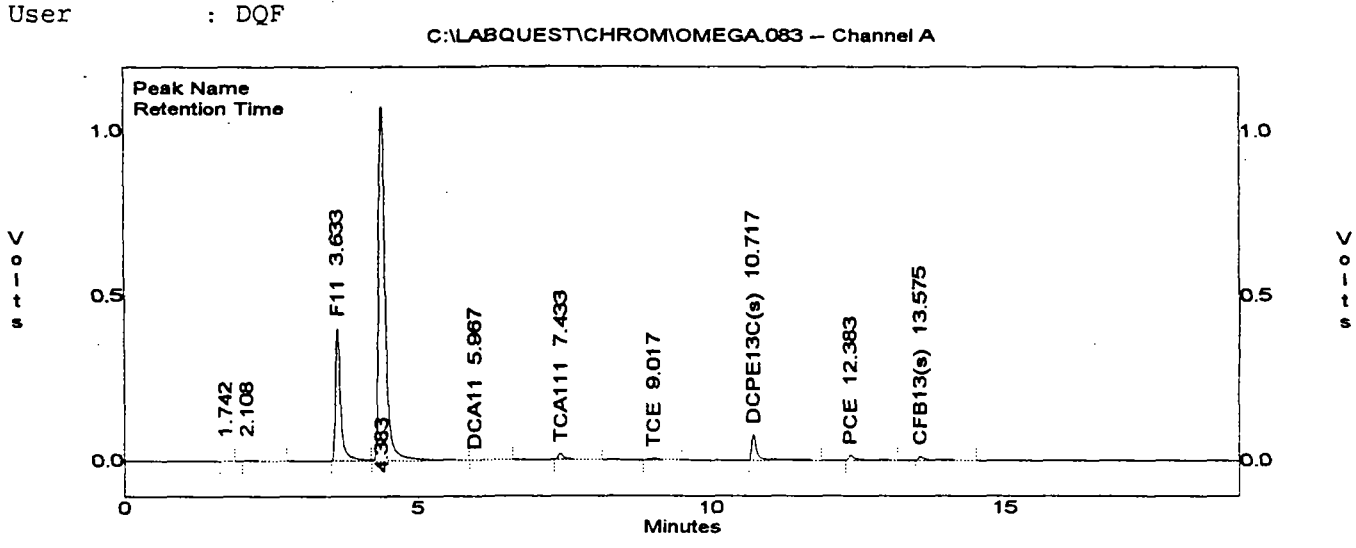
Analytical Summary

Chemist: DOF | Volume Analyzed: 1 mL

Recd. Date: 11/16/95 Time: 15:15 | Time Injected: 13:31 Loop #: 9

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	310	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	700		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	9.4				
c-12DCE	<1				
Chloroforme	<1		Freon 113	3000	
111TCA	45				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	18				
112TCA	<1		% Surr. 1, ELCD	64	
PCE	40		% Surr. 2, ELCD	23	
1112PCA	<1		% Surr. 1, PID	91	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	107	
			% Surr. 2, FID	107	

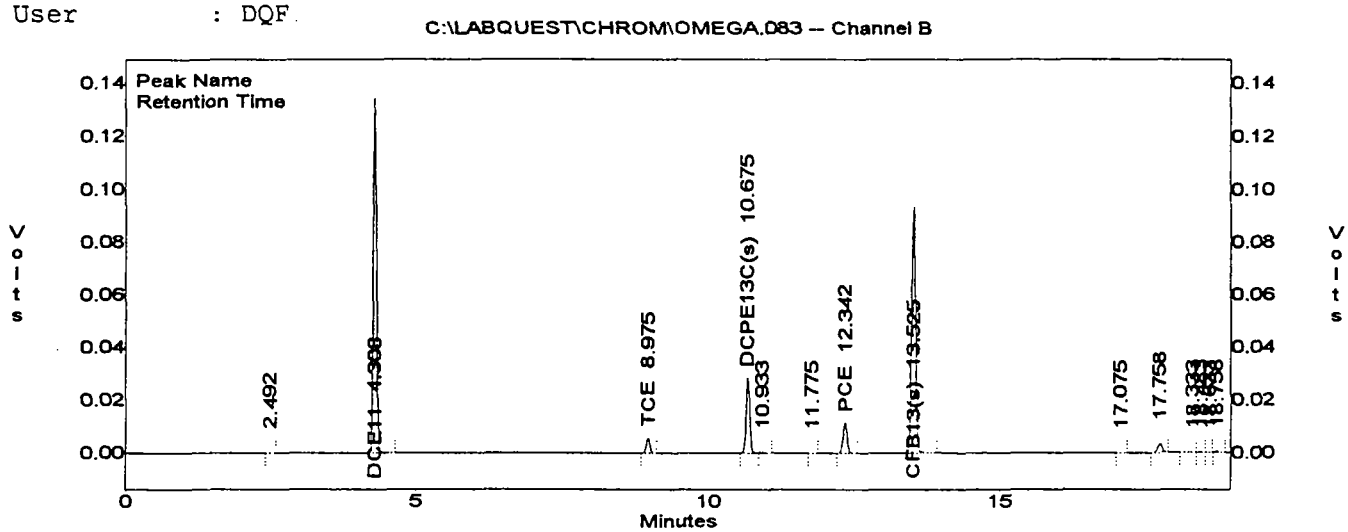
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.083
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-6
Acquired : Nov 16, 1995 20:23:41
Printed : Nov 17, 1995 09:01:10
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.742	2956	0.000		0
--	F12	1.892	0	0.000		0
2		2.108	20527	0.000		0
--	VC	2.400	0	0.000		0
--	CLET	3.125	0	0.000		0
3	F11	3.633	2469878	341.081		0
--	DCE11+F113	4.258	0	0.000		0
4		4.383	8664487	0.000		0
--	DCM	4.925	0	0.000		0
--	DCE12T	5.283	0	0.000		0
5	DCA11	5.967	29150	4.635		0
--	DCE12C	6.650	0	0.000		0
--	CLFM	7.125	0	0.000		0
6	TCA111	7.433	149545	20.878		0
--	CBTC	7.592	0	0.000		0
--	DCA12	7.958	0	0.000		0
7	TCE	9.017	49297	6.895		0
8	DCPE13C(s)	10.717	499831	640.745		0
--	TCA112	12.108	0	0.000		0
9	PCE	12.383	116808	13.993		0
10	CFB13(s)	13.575	105093	230.696		0
--	PCA1112	14.383	0	0.000		0
--	PCA1122	17.358	0	0.000		0
Totals :			12107578	1258.923		

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.083
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-6
Acquired : Nov 16, 1995 20:23:41
Printed : Nov 17, 1995 09:01:14
User : DQF



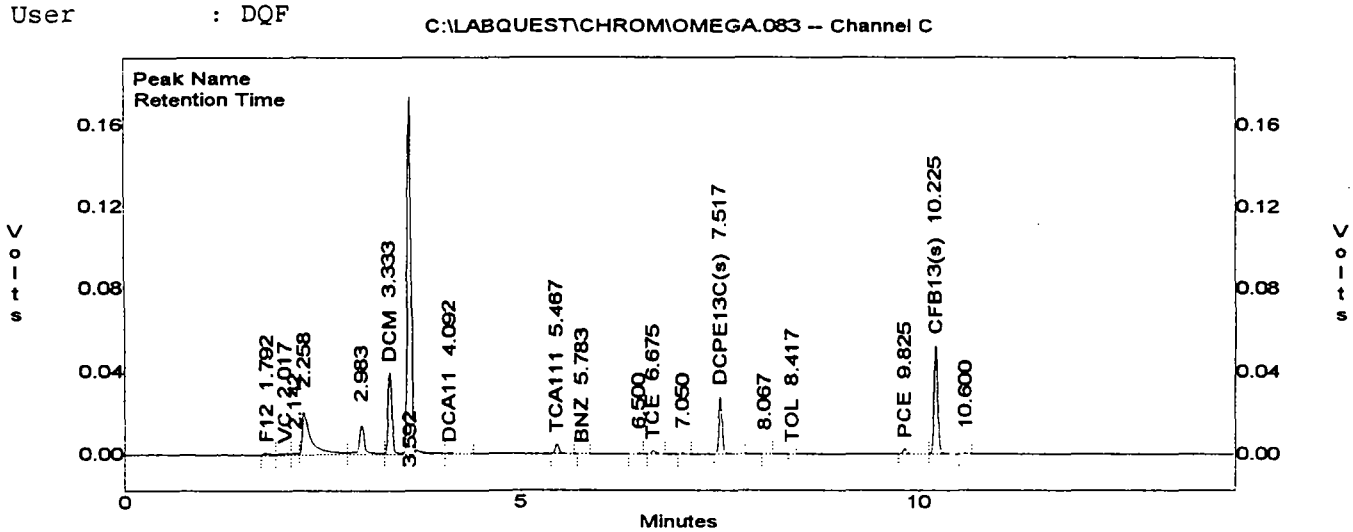
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1		2.492	596	0.000	0
2	DCE11	4.308	512906	307.340	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
3	TCE	8.975	25131	10.580	0
4	DCPE13C(s)	10.675	121334	908.503	0
5		10.933	1119	0.000	0
--	TOL	11.208	0	0.000	0
6		11.775	319	0.000	0
7	PCE	12.342	55752	29.029	0
8	CFB13(s)	13.525	449826	927.205	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.075	370	0.000	0
10		17.758	18783	0.000	0
11		18.333	803	0.000	0
12		18.483	1021	0.000	0
13		18.633	372	0.000	0
14		18.758	2604	0.000	0

Totals :

	1190942	2182.657

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.083
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-6
Acquired : Nov 16, 1995 20:23:41
Printed : Nov 17, 1995 09:01:19
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.792	5101	55.550		0
2	VC	2.017	7301	11.771		0
3		2.142	3855	0.000		0
4		2.258	164184	0.000		0
--	CLET	2.383	0	0.000		0
--	F11	2.833	0	0.000		0
5		2.983	74037	0.000	703.22	0
--	11DCE	3.200	0	0.000		0
6	DCM	3.333	142161	638.370		0
--	F113	3.458	0	0.000		0
7		3.592	604994	0.000	3028.05	0
--	DCE12T	3.850	0	0.000		0
8	DCA11	4.092	3861	9.372		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
9	TCA111	5.467	14291	45.155		0
10	BNZ	5.783	407	0.272		0
--	CBTC	5.825	0	0.000		0
11		6.500	738	0.000		0
12	TCE	6.675	5618	17.904		0
13		7.050	1446	0.000		0
14	DCPE13C(s)	7.517	80628	1069.546		0
15		8.067	265	0.000		0
--	TCA112	8.108	0	0.000		0
16	TOL	8.417	517	0.348		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.083
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG20-6
Acquired : Nov 16, 1995 20:23:41
Printed : Nov 17, 1995 09:01:21
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
17	PCE	9.825	10057	39.652	✓	0
18	CFB13(s)	10.225	173750	1065.569		0
19		10.600	588	0.000		0
--	PCA1112	10.633	0	0.000		0
--	EB+PCA1122	11.242	0	0.000		0
--	XYLMP	11.525	0	0.000		0
--	XYLO	12.217	0	0.000		0

Totals :

1293807	2953.508	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB18-6 | Probe Depth (ft): 6'

Time Sampled: 15:18 | Sampled by: WM

Date Sampled: 11-16-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy | Ground Surface: Concrete

Air Temp. (F): 69.4°F | Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): .50 | Equilibrium Time: :01

Purge Time (min.): :02 | Sample Volume (ml): 10 mL

Notes: 1500+ PPM | Syringe ID: A B

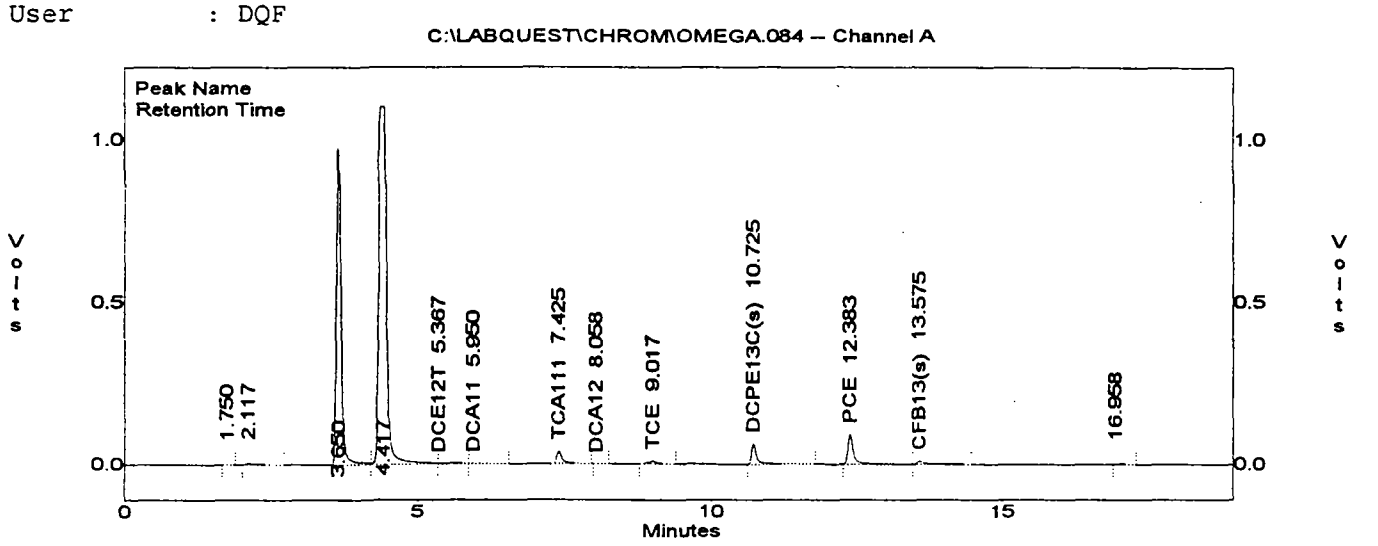
Analytical Summary

Chemist: DOF | Volume Analyzed: 1 mL

Recd. Date: 11/16/95 Time: 15:20 | Time Injected: 15:32 Loop #: 10

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	460	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	1600		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	1.3				
c-12DCE	<1				
Chloroforme	<1		Freon 113	7900	
111TCA	98				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	39				
112TCA	<1		% Surr. 1, ELCD	53	
PCE	220		% Surr. 2, ELCD	19	
1112PCA	<1		% Surr. 1, PID	90	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	115	
			% Surr. 2, FID	107	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.084
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-6
Acquired : Nov 16, 1995 20:49:03
Printed : Nov 17, 1995 09:07:17
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.750	2473	0.000	0
--	F12	1.892	0	0.000	0
2		2.117	33946	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
3		3.650	5483870	0.000	0
--	DCE11+F113	4.258	0	0.000	0
4		4.417	10417202	0.000	0
--	DCM	4.925	0	0.000	0
5	DCE12T	5.367	65875	10.836	0
6	DCA11	5.950	27499	4.373	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
7	TCA111	7.425	267015	37.277	0
--	CBTC	7.592	0	0.000	0
8	DCA12	8.058	818	0.138	0
9	TCE	9.017	100203	14.015	0
10	DCPE13C(s)	10.725	416666	534.134	0
--	TCA112	12.108	0	0.000	0
11	PCE	12.383	618570	74.101	0
12	CFB13(s)	13.575	85268	187.177	0
--	PCA1112	14.383	0	0.000	0
13		16.958	8890	0.000	0
--	PCA1122	17.358	0	0.000	0

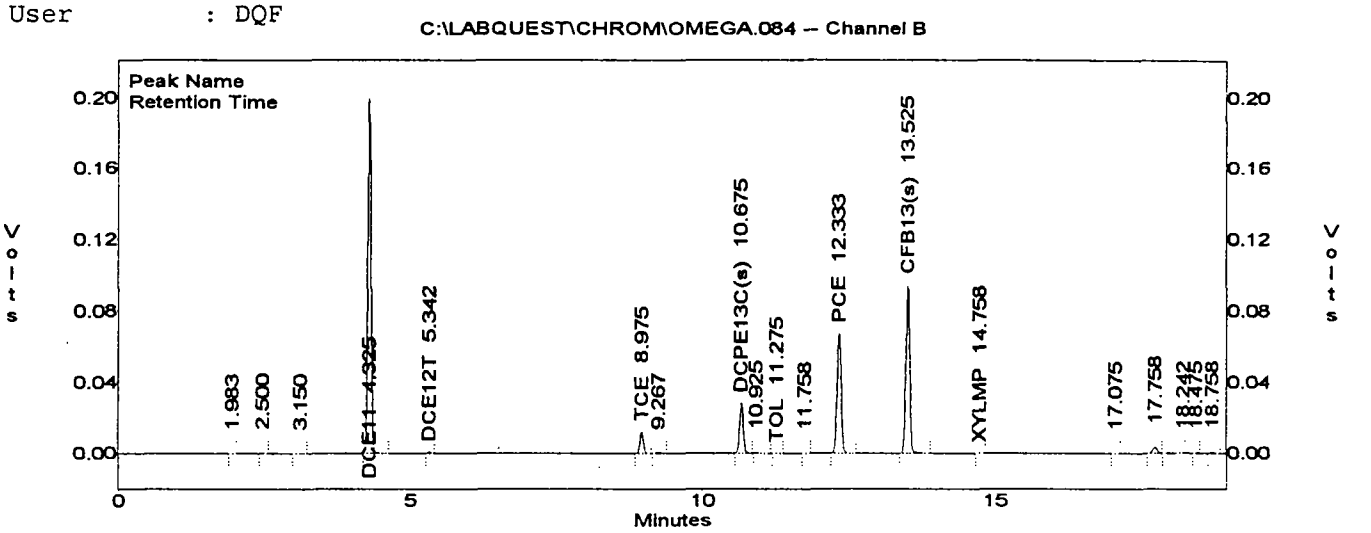
Continued...

File : C:\LABQUEST\CHROM\OMEGA.084
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-6
quired : Nov 16, 1995 20:49:03
nted : Nov 17, 1995 09:07:19
User : DQF

Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
Totals :			17528298	862.050	

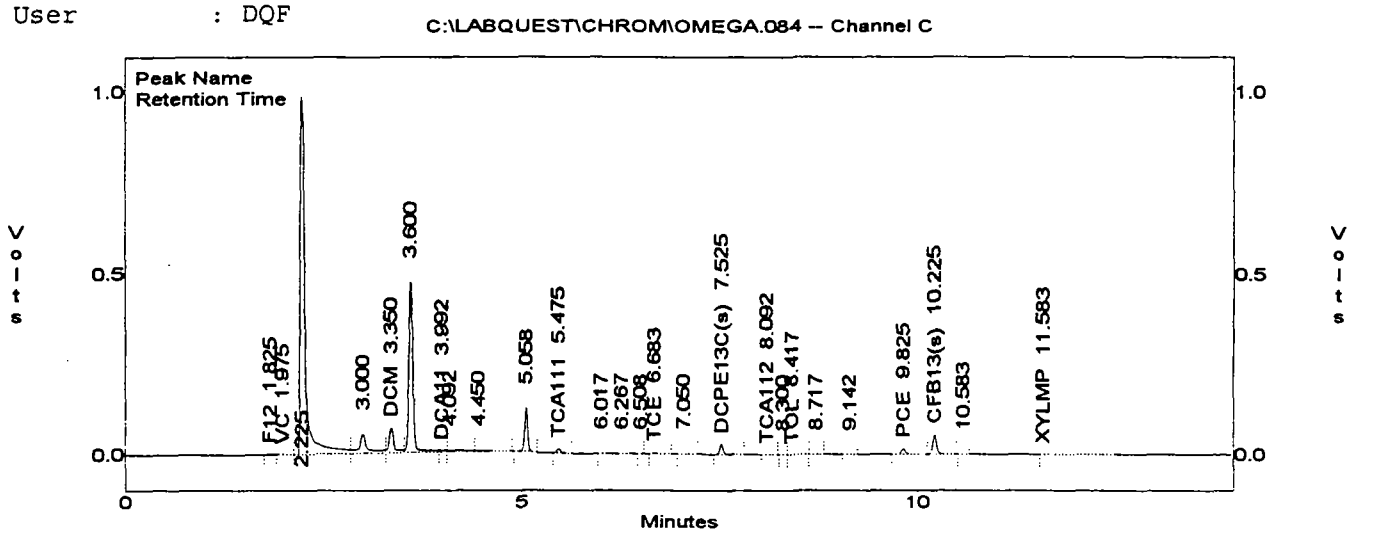
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.084
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-6
Acquired : Nov 16, 1995 20:49:03
Printed : Nov 17, 1995 09:07:22
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		1.983	477	0.000		0
--	VC	2.367	0	0.000		0
2		2.500	1800	0.000		0
3		3.150	875	0.000		0
4	DCE11	4.325	768962	460.772		0
5	DCE12T	5.342	2782	0.744		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000	-	0
6	TCE	8.975	50183	21.127		0
7		9.267	2513	0.000		0
8	DCPE13C(s)	10.675	120456	901.926		0
9		10.925	537	0.000		0
10	TOL	11.275	369	0.096	-	0
11		11.758	338	0.000		0
12	PCE	12.333	332745	173.253		0
13	CFB13(s)	13.525	448895	925.285		0
--	EB	14.417	0	0.000	-	0
14	XYLMP	14.758	410	0.101	-	0
--	XYLO	15.592	0	0.000	-	0
15		17.075	304	0.000		0
16		17.758	19040	0.000		0
17		18.242	692	0.000		0
18		18.475	608	0.000		0
19		18.758	2441	0.000		0
Totals :			1754434	2483.303		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.084
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-6
Acquired : Nov 16, 1995 20:49:03
Printed : Nov 17, 1995 09:07:27
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.825	4702	51.203		0
2	VC	1.975	6771	10.918		0
3		2.225	4501470	0.000		0
--	CLET	2.383	0	0.000		0
--	F11	2.833	171691	0.000		0
4		3.000	~~406726~~	0.000	1630.58	0
--	11DCE	3.200	212495	0.000		0
5	DCM	3.350	~~307913~~	1382.672		0
--	F113	3.458	0	0.000		0
6		3.600	~~1736179~~	0.000	7932.898	0
--	DCE12T	3.850	1534963	0.000		0
7	DCA11	3.992	~~27978~~ 530	~~67.910~~ 1.278		0
8		4.092	74210	0.000		0
9		4.450	36486	0.000		0
--	DCE12C	4.500	0	0.000		0
--	CLFM	4.700	0	0.000		0
10		5.058	332135	0.000		0
--	DCA12	5.192	0	0.000		0
11	TCA111	5.475	30895	97.617		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
12		6.017	507	0.000		0
13		6.267	445	0.000		0
14		6.508	458	0.000		0
15	TCE	6.683	12177	38.803		0
16		7.050	5615	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.084
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG18-6
Acquired : Nov 16, 1995 20:49:03
Printed : Nov 17, 1995 09:07:29
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
17	DCPE13C(s)	7.525	86966	1153.613	0
18	TCA112	8.092	932	3.043	0
19		8.300	678	0.000	0
20	TOL	8.417	1105	0.744	0
21		8.717	482	0.000	0
22		9.142	448	0.000	0
23	PCE	9.825	54892	216.423 ✓	0
24	CFB13(s)	10.225	174869	1072.433	0
25		10.583	832	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
26	XYLMP	11.583	3290	2.234	0
--	XYLO	12.217	0	0.000	0

Totals :

7809173	4097.612

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB23-6'	Probe Depth (ft): 6'
Time Sampled: 15:49	Sampled by: VSM
Date Sampled: 11.16.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy	Ground Surface: CONCRETE
Air Temp. (F): 68°F	Wind dir/speed: CALM

Sample Parameters

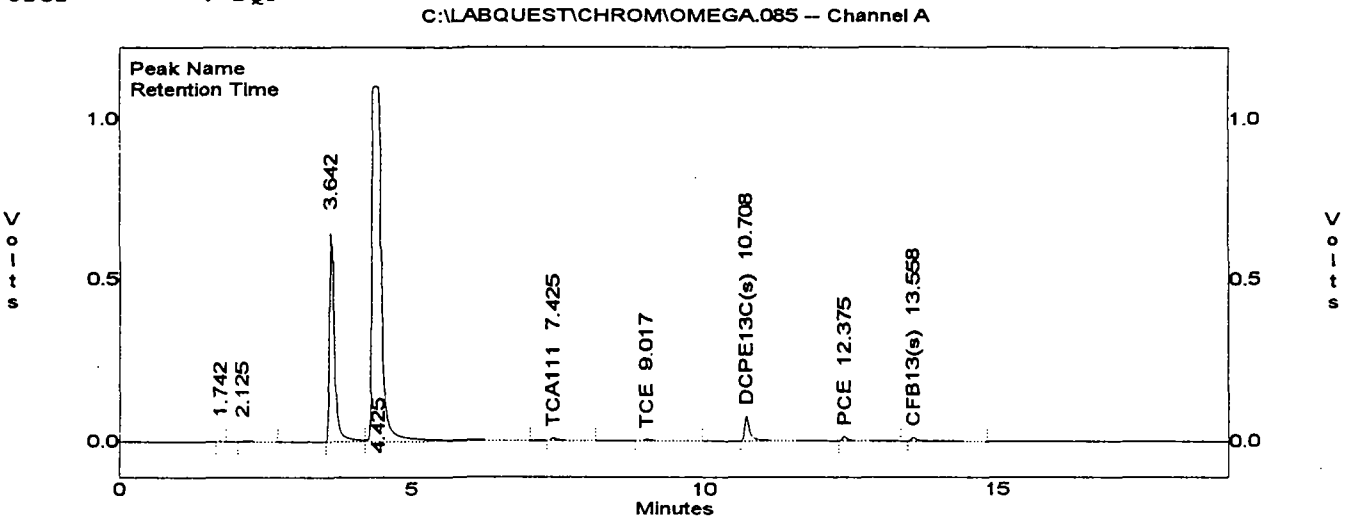
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .50	Equilibrium Time: :01
Purge Time (min.): :03	Sample Volume (ml): 20 mL
Notes: +1200 PPM	Syringe ID: A B

Analytical Summary

Chemist: DSF	Volume Analyzed: 1 mL
Recd. Date: 11/16/95 Time: 15:55	Time Injected: 16:04 Loop #: 11

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	160	
Vinyl Chloride	"		Benzene	<1	
Chloroethane	"		Toluene	"	
Freon 11	730		Ethylbenzene	"	
Dichloromethane	<1		m/p-Xylene	"	
t-12DCE	"		o-Xylene	"	
11DCA	"				
c-12DCE	"				
Chloroforme	"		Freon 113	7900	
111TCA	23				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	19				
112TCA	<1		% Surr. 1, ELCD	65	
PCE	40		% Surr. 2, ELCD	24	
1112PCA	<1		% Surr. 1, PID	91	
1122PCA	<1		% Surr. 2, PID	93	
			% Surr. 1, FID	109	
			% Surr. 2, FID	108	

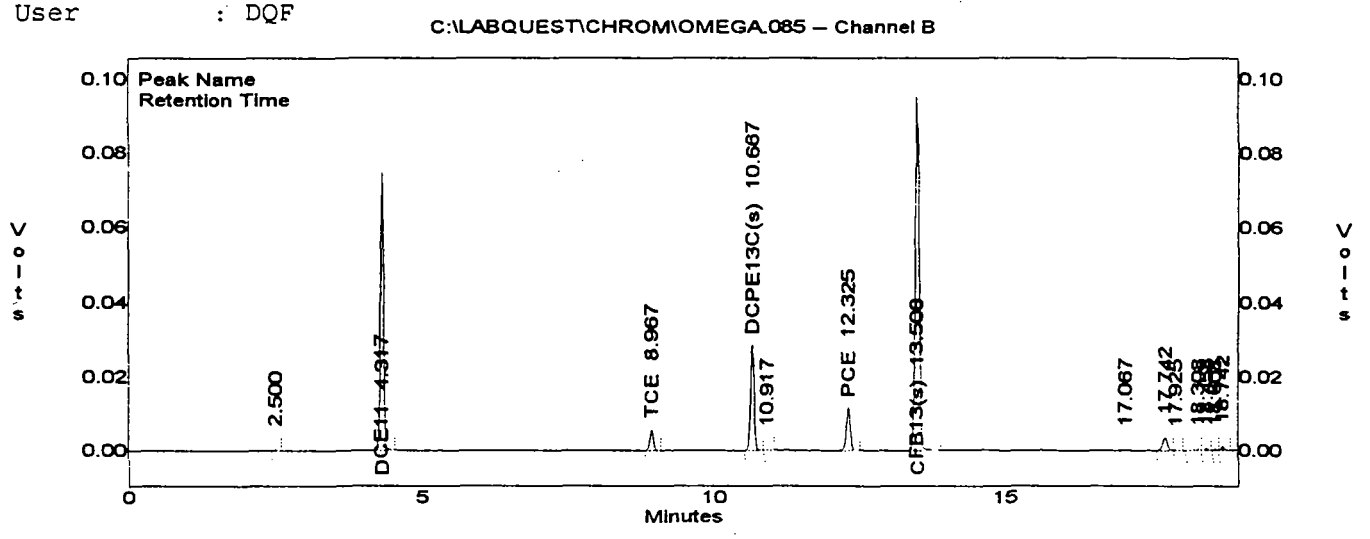
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.085
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-6
Acquired : Nov 16, 1995 21:19:56
Printed : Nov 17, 1995 09:28:38
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.742	5628	0.000	0
--	F12	1.892	0	0.000	0
2		2.125	16994	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
3		3.642	3826802	0.000	0
--	DCE11+F113	4.258	0	0.000	0
4		4.425	12469677	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
5	TCA111	7.425	73209	10.221	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
6	TCE	9.017	60369	8.444	0
7	DCPE13C(s)	10.708	503413	645.336	0
--	TCA112	12.108	0	0.000	0
8	PCE	12.375	122588	14.685	0
9	CFB13(s)	13.558	107692	236.400	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			17186376	915.086	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.085
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-6
Acquired : Nov 16, 1995 21:19:56
Printed : Nov 17, 1995 09:28:42
User : DQF



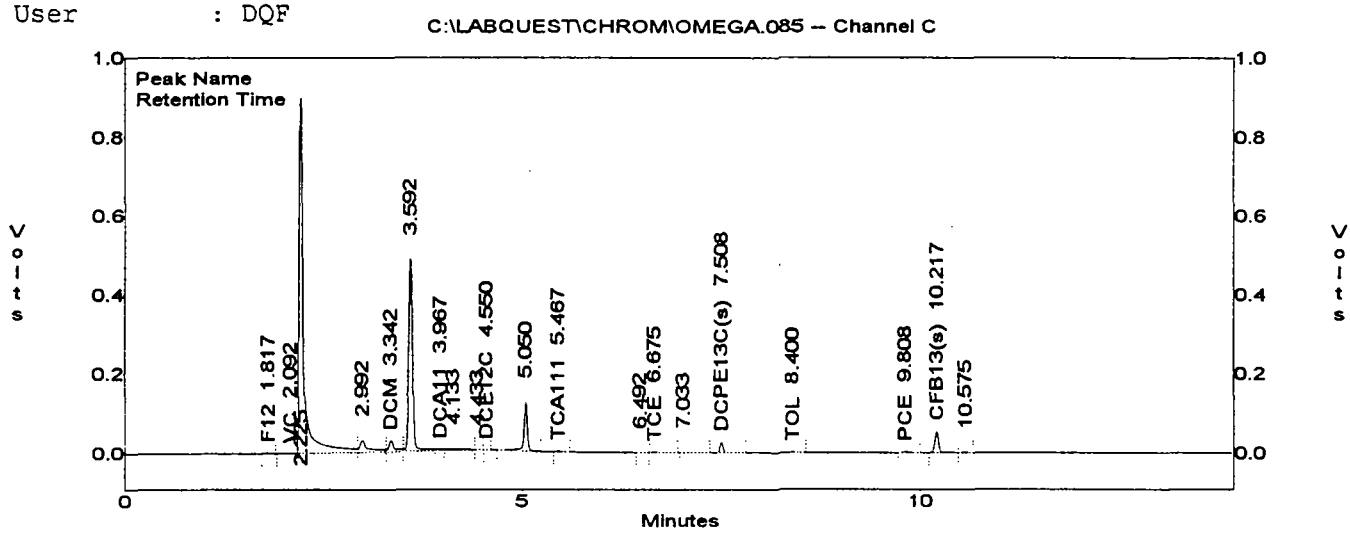
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
1		2.500	574	0.000	0
2	DCE11	4.317	275356	164.997	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
3	TCE	8.967	24195	10.186	0
4	DCPE13C(s)	10.667	121734	911.496	0
5		10.917	1006	0.000	0
--	TOL	11.208	0	0.000	0
6	PCE	12.325	55119	28.699	0
7	CFB13(s)	13.508	451909	931.498	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
8		17.067	539	0.000	0
9		17.742	19688	0.000	0
10		17.925	480	0.000	0
11		18.308	410	0.000	0
12		18.458	1076	0.000	0
13		18.608	383	0.000	0
14		18.742	3640	0.000	0

Totals :

956114	2046.876	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.085
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-6
Acquired : Nov 16, 1995 21:19:56
Printed : Nov 17, 1995 09:28:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.817	4674	50.900		0
2	VC	2.092	10050	16.204		0
3		2.225	3669617	0.000		0
--	CLET	2.383	0	0.000		0
--	F11	2.833	77189	0.000		0
4		2.992	~~228733~~	0.000	733.16	0
--	11DCE	3.200	74904	0.000		0
5	DCM	3.342	~~139941~~	628.403		0
--	F113	3.458	0	0.000		0
6		3.592	~~1672927~~ 1572024	0.000	7870.139	0
--	DCE12T	3.850	0	0.000		0
7	DCA11	3.967	~~23946~~	~~58.123~~		0
8		4.133	54207	0.000		0
9		4.433	4831	0.000		0
10	DCE12C	4.550	1114	2.748		0
--	CLFM	4.700	0	0.000		0
11		5.050	367083	0.000		0
--	DCA12	5.192	0	0.000		0
12	TCA111	5.467	7265	22.954 ✓		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
13		6.492	641	0.000		0
14	TCE	6.675	6023	19.194 ✓		0
15		7.033	1906	0.000		0
16	DCPE13C(s)	7.508	81935	1086.876		0
--	TCA112	8.108	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.085
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG23-6
Acquired : Nov 16, 1995 21:19:56
Printed : Nov 17, 1995 09:28:48
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
17	TOL	8.400	866	0.583	0
18	PCE	9.808	10098	39.813 ✓	0
19	CFB13(s)	10.217	176468	1082.235	0
20		10.575	1552	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

6463886 3008.033

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SL22-12 | Probe Depth (ft): 12'

Time Sampled: 16:34 | Sampled by: WM

Date Sampled: 11·16·95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy | Ground Surface: CONCRETE

Air Temp. (F): 65.5 | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225 | Max. Purge Vacuum (in. Hg): 19

Purge Volume (liters): .75 | Equilibrium Time: :04

Purge Time (min.): :03 | Sample Volume (ml): 20 mL

Notes: | Syringe ID: A B

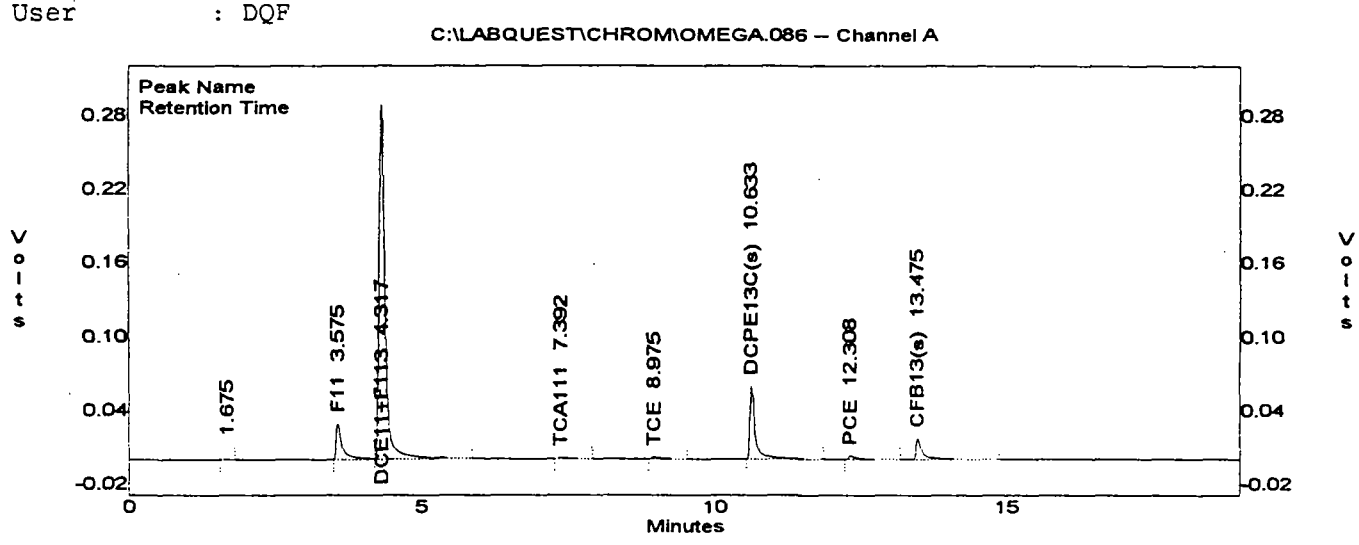
Analytical Summary

Chemist: DOF | Volume Analyzed: 1 mL

Recd. Date: 11/16/95 Time: 16:36 | Time Injected: 16:52 Loop #: 12

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	28	
Vinyl Chloride			Benzene	<1	
Chloroethane			Toluene		
Freon 11	50		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	740	
111TCA	8.3				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	14				
112TCA	<1		% Surr. 1, ELCD	52	
PCE	15		% Surr. 2, ELCD	33	
1112PCA	<1		% Surr. 1, PID	77	
1122PCA	<1		% Surr. 2, PID	79	
			% Surr. 1, FID	103	
			% Surr. 2, FID	100	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.086
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-12
Acquired : Nov 17, 1995 07:40:12
Printed : Nov 17, 1995 09:53:14
User : DQF

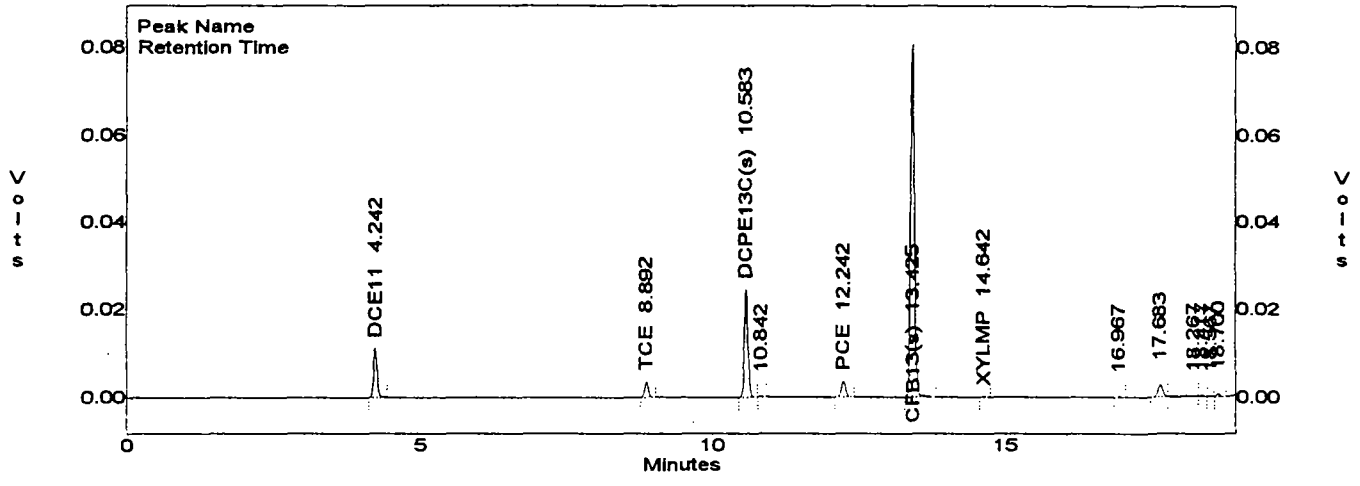


Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.675	1791	0.000	0
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
2	F11	3.575	228973	31.620	0
3	DCE11+F113	4.317	2088299	417.237	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
4	TCA111	7.392	14572	2.034	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
5	TCE	8.975	22126	3.095	0
6	DCPE13C(s)	10.633	404166	518.109	0
--	TCA112	12.108	0	0.000	0
7	PCE	12.308	36197	4.336	0
8	CFB13(s)	13.475	149983	329.236	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			2946109	1305.667	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.086
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-12
Acquired : Nov 17, 1995 07:40:12
Printed : Nov 17, 1995 09:53:19
User : DQF

C:\LABQUEST\CHROM\OMEGA.086 -- Channel B

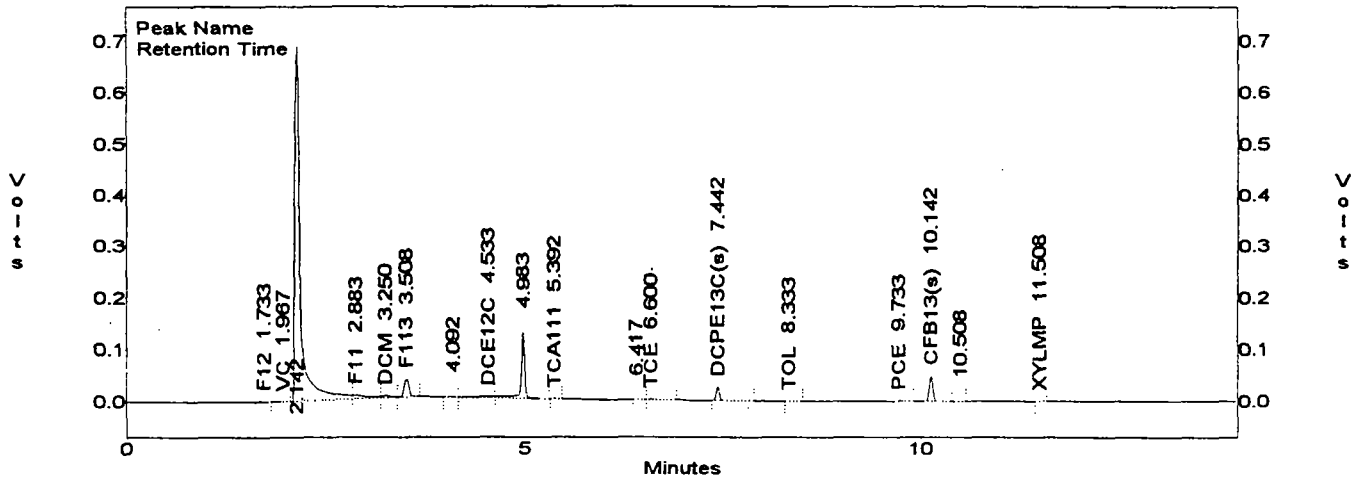


Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
--	VC	2.367	0	0.000		0
1	DCE11	4.242	45963	27.542	✓	0
--	DCE12T	5.242	0	0.000		0
--	DCE12C	6.608	0	0.000		0
--	BNZ	7.867	0	0.000		0
2	TCE	8.892	15213	6.405		0
3	DCPE13C(s)	10.583	103149	772.335		0
4		10.842	426	0.000		0
--	TOL	11.208	0	0.000		0
5	PCE	12.242	18555	9.661		0
6	CFB13(s)	13.425	381031	785.402		0
--	EB	14.417	0	0.000		0
7	XYLMP	14.642	444	0.110		0
--	XYLO	15.592	0	0.000		0
8		16.967	491	0.000		0
9		17.683	16131	0.000		0
10		18.267	3833	0.000		0
11		18.417	1444	0.000		0
12		18.567	423	0.000		0
13		18.700	2557	0.000		0
Totals :			589664	1601.454		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.086
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-12
Acquired : Nov 17, 1995 07:40:12
Printed : Nov 17, 1995 09:53:23
User : DQF

C:\LABQUEST\CHROM\OMEGA.086 – Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1	F12	1.733	3435	37.403		0
2	VC	1.967	1826	2.945		0
3		2.142	3554759	0.000		0
--	CLET	2.383	5268 0	0.000		0
4	F11	2.883	~~100456~~	~~953.749~~	49.943	0
--	11DCE	3.200	0	0.000		0
5	DCM	3.250	40965	183.955		0
6	F113	3.508	~~157039~~	~~785.976~~	738.585	0
--	DCE12T	3.850	147570	0.000		0
--	DCA11	3.967	0	0.000		0
7		4.092	4510	0.000		0
8	DCE12C	4.533	47662	117.500 X		0
--	CLFM	4.700	0	0.000		0
9		4.983	424115	0.000		0
--	DCA12	5.192	0	0.000		0
10	TCA111	5.392	2629	8.307 ✓		0
--	BNZ	5.708	0	0.000		0
--	CBTC	5.825	0	0.000		0
11		6.417	642	0.000		0
12	TCE	6.600	4476	14.266 J		0
13	DCPE13C(s)	7.442	77868	1032.927		0
--	TCA112	8.108	0	0.000		0
14	TOL	8.333	837	0.564		0
15	PCE	9.733	3837	15.128 J		0
16	CFB13(s)	10.142	162385	995.870		0
17		10.508	990	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.086
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG22-12
Acquired : Nov 17, 1995 07:40:12
Printed : Nov 17, 1995 09:53:24
User : DQF

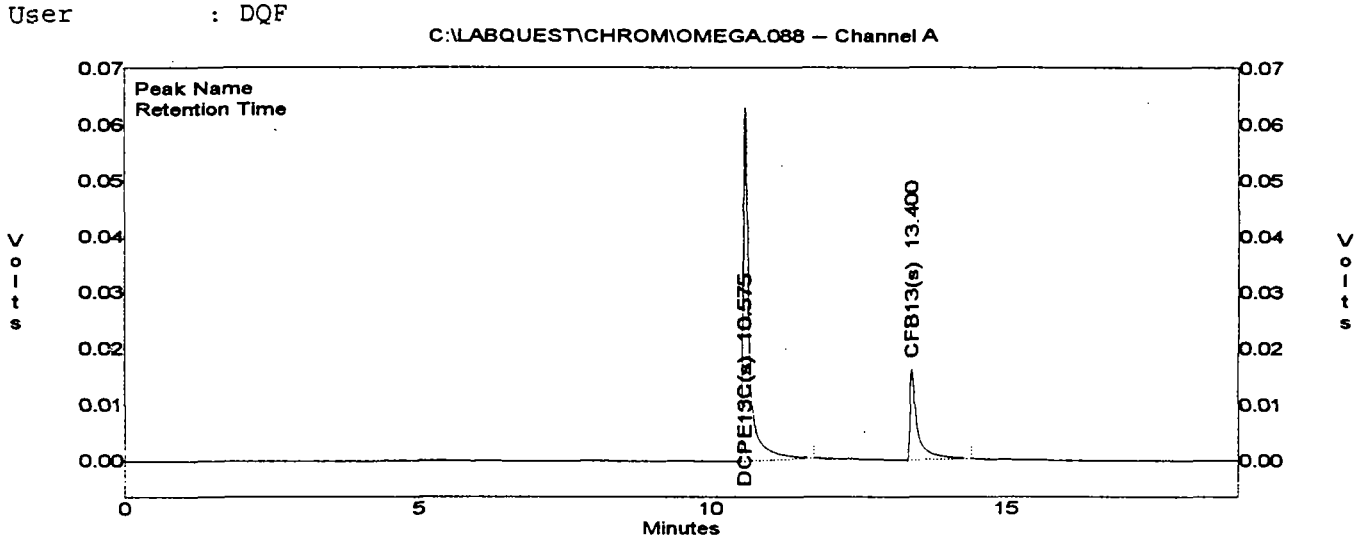
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0
18	XYLMP	11.508	294	0.200	0
--	XYLO	12.217	0	0.000	0

Totals :

	4588731	4148.789

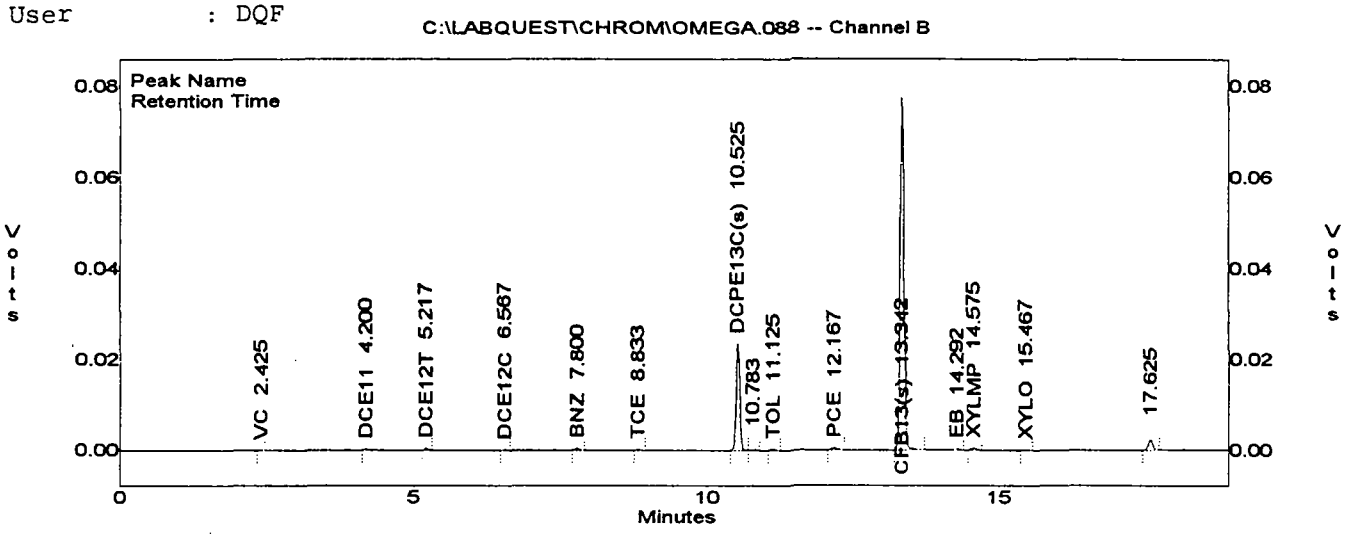
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.088
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB16NOV95
Acquired : Nov 17, 1995 08:29:41
Printed : Nov 17, 1995 10:57:39
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
1	DCPE13C(s)	10.575	444771	570.162	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
2	CFB13(s)	13.400	142775	313.414	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0
Totals :			587547	883.576	

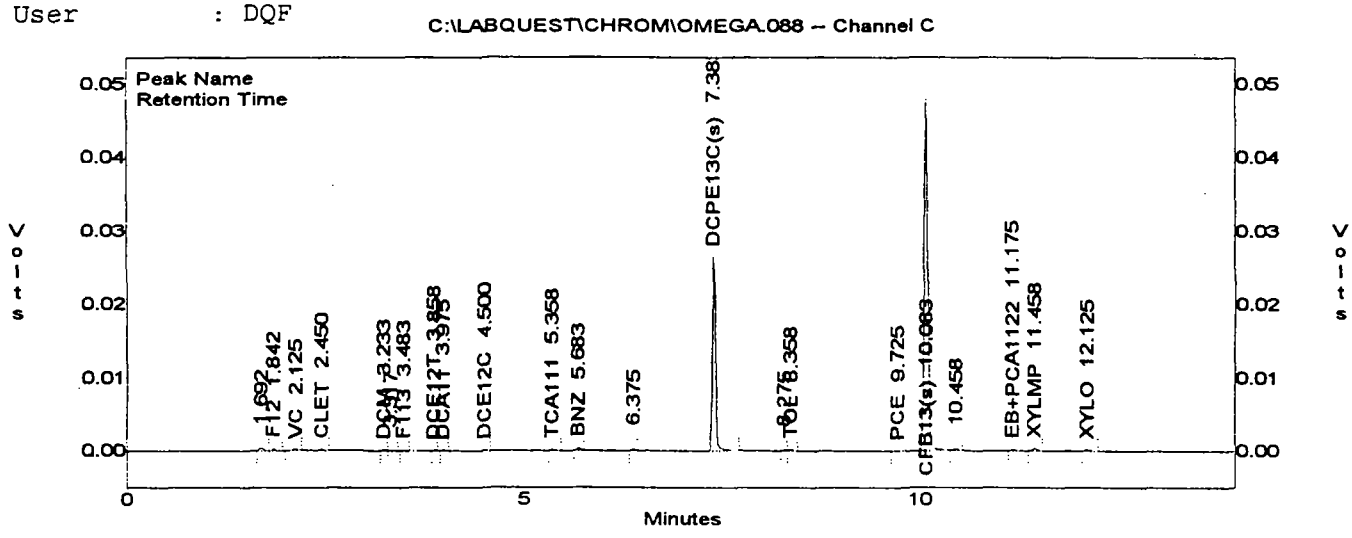
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.088
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB16NOV95
Acquired : Nov 17, 1995 08:29:41
Printed : Nov 17, 1995 10:57:44
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.425	379	0.524	0
2	DCE11	4.200	899	0.539	0
3	DCE12T	5.217	1284	0.343	0
4	DCE12C	6.567	665	0.335	0
5	BNZ	7.800	1659	0.397	0
6	TCE	8.833	772	0.325	0
7	DCPE13C(s)	10.525	100811	754.834	0
8		10.783	922	0.000	0
9	TOL	11.125	1205	0.311	0
10	PCE	12.167	2792	1.454	0
11	CFB13(s)	13.342	368717	760.018	0
12	EB	14.292	849	0.251	0
13	XYLMP	14.575	2183	0.539	0
14	XYLO	15.467	830	0.248	0
15		17.625	13682	0.000	0
Totals :			497653	1520.118	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.088
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB16NOV95
Acquired : Nov 17, 1995 08:29:41
Printed : Nov 17, 1995 10:57:48
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.692	1635	0.000		0
2	F12	1.842	843	9.183		0
3	VC	2.125	1004	1.619		0
4	CLET	2.450	526	0.902		0
--	F11	2.833	0	0.000		0
--	11DCE	3.200	0	0.000		0
5	DCM	3.233	397	1.786		0
6		3.317	245	0.000		0
7	F113	3.483	300	1.504		0
8	DCE12T	3.858	215	0.541		0
9	DCA11	3.975	287	0.697		0
10	DCE12C	4.500	305	0.753		0
--	CLFM	4.700	0	0.000		0
--	DCA12	5.192	0	0.000		0
11	TCA111	5.358	427	1.350		0
12	BNZ	5.683	1091	0.729		0
--	CBTC	5.825	0	0.000		0
13		6.375	607	0.000		0
--	TCE	6.592	0	0.000		0
14	DCPE13C(s)	7.383	75273	998.504		0
--	TCA112	8.108	0	0.000		0
15		8.275	520	0.000		0
16	TOL	8.358	856	0.576		0
17	PCE	9.725	458	1.808		0
18	CFB13(s)	10.083	158725	973.424		0
19		10.458	573	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.088
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB16NOV95
Acquired : Nov 17, 1995 08:29:41
Printed : Nov 17, 1995 10:57:50
User : DQF

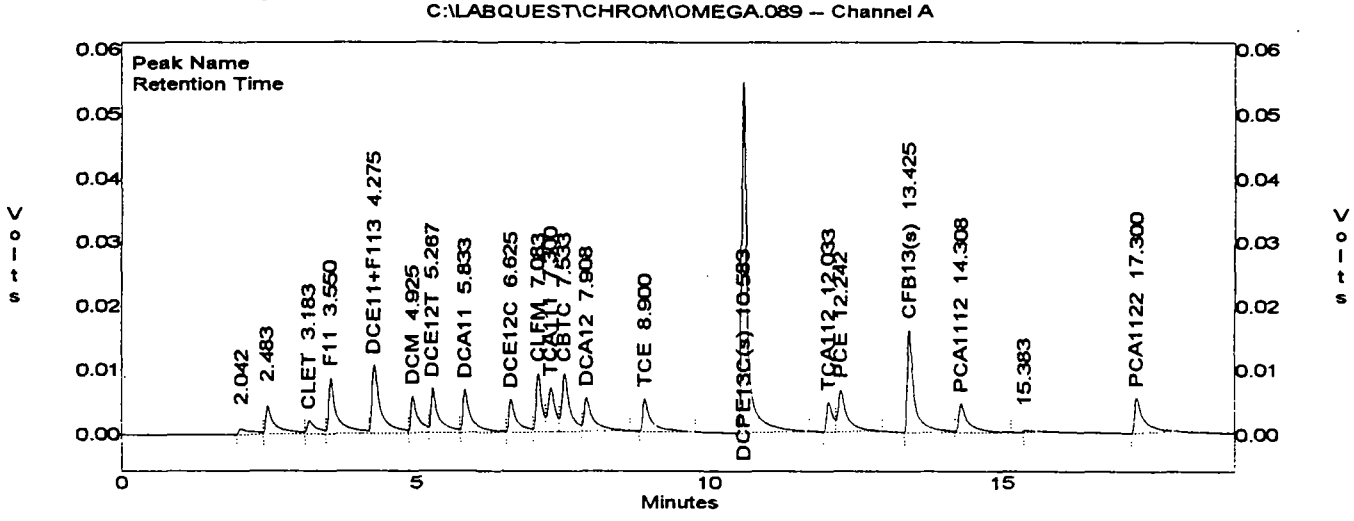
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.633	0	0.000	0
20	EB+PCA1122	11.175	678	0.940	0
21	XYLMP	11.458	1411	0.958	0
22	XYLO	12.125	854	0.500	0

Totals :

247237	1995.773	

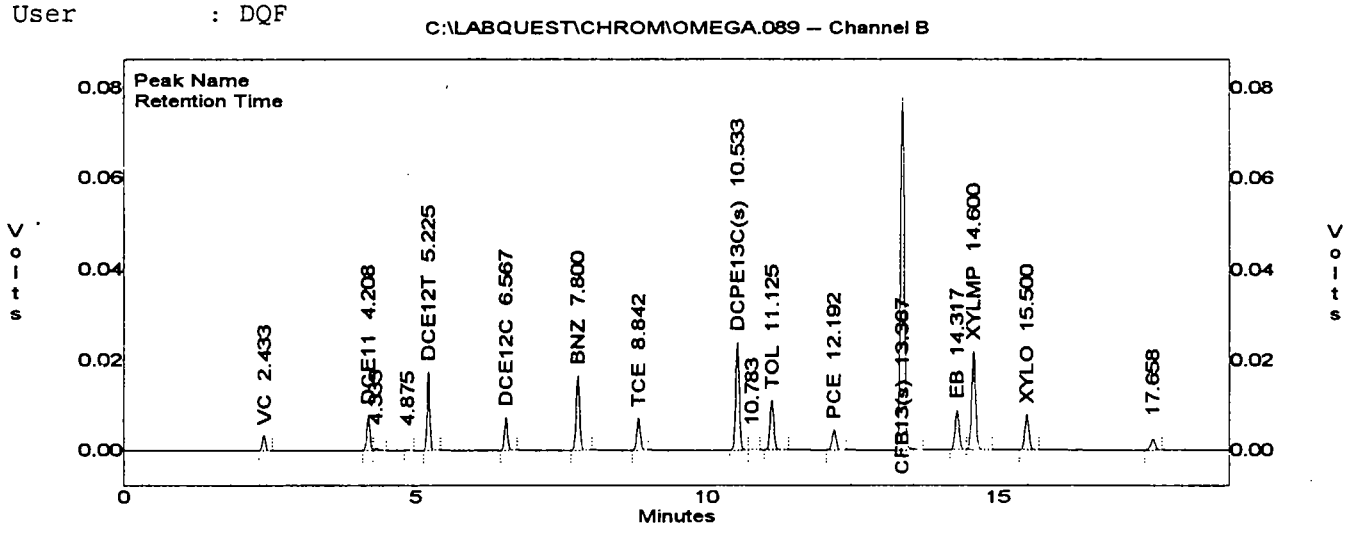
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.089
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK
Acquired : Nov 17, 1995 08:55:35
Printed : Nov 17, 1995 11:00:37
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
1		2.042	12422	0.000	0
--	VC	2.400	0	0.000	0
2		2.483	46325	0.000	0
3	CLET	3.183	21315	8.998	0
4	F11	3.550	83717	11.561	0
5	DCE11+F113	4.275	105937	21.166	0
6	DCM	4.925	47620	8.307	0
7	DCE12T	5.267	62530	10.286	0
8	DCA11	5.833	66146	10.518	0
9	DCE12C	6.625	44653	7.673	0
10	CLFM	7.083	59136	8.208	0
11	TCA111	7.300	57439	8.019	0
12	CBTC	7.533	82913	9.772	0
13	DCA12	7.908	55968	9.424	0
14	TCE	8.900	51514	7.205	0
15	DCPE13C(s)	10.583	382561	490.414	0
16	TCA112	12.033	31954	4.966	0
17	PCE	12.242	68916	8.256	0
18	CFB13(s)	13.425	134343	294.904	0
19	PCA1112	14.308	49857	6.732	0
20		15.383	2843	0.000	0
21	PCA1122	17.300	60823	8.946	0
Totals :			1528943	935.355	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.089
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK
Acquired : Nov 17, 1995 08:55:35
Printed : Nov 17, 1995 11:00:43
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.433	12465	17.231	0
2	DCE11	4.208	27933	16.738	0
3		4.333	1764	0.000	0
4		4.875	532	0.000	0
5	DCE12T	5.225	55262	14.771	0
6	DCE12C	6.567	27502	13.830	0
7	BNZ	7.800	68388	16.352	0
8	TCE	8.842	30221	12.723	0
9	DCPE13C(s)	10.533	101553	760.387	0
10		10.783	850	0.000	0
11	TOL	11.125	50885	13.149	0
12	PCE	12.192	22807	11.875	0
13	CFB13(s)	13.367	370244	763.167	0
14	EB	14.317	42984	12.691	0
15	XYLMP	14.600	104460	25.772	0
16	XYLO	15.500	39541	11.796	0
17		17.658	13972	0.000	0
Totals :			971368	1690.482	

File : C:\LABQUEST\CHROM\OMEGA.089
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : BLANK
Acquired : Nov 17, 1995 08:55:35
Printed : Nov 17, 1995 11:00:50
User : DQF

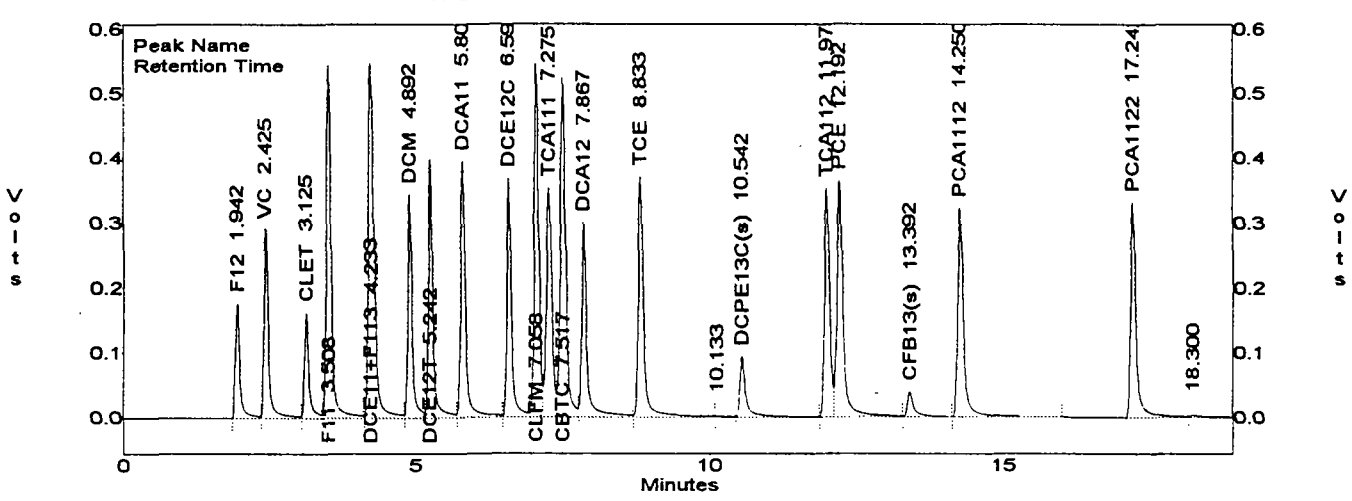
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	EB+PCA1122	11.175	26339	36.514	0
27	XYLMP	11.458	52772	35.819	0
28	XYLO	12.142	30364	17.768	0

Totals :

	534519	2488.389

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.090
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951116PM
Acquired : Nov 17, 1995 09:21:40
Printed : Nov 17, 1995 11:03:11
User : DQF



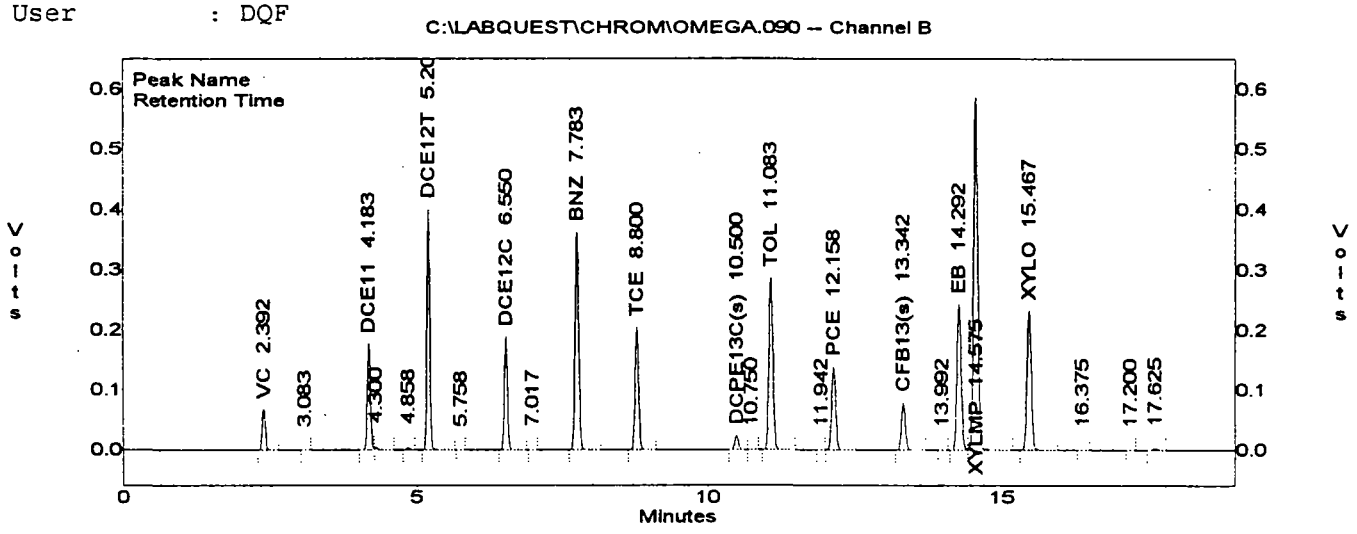
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.942	983193	338.770	0
2	VC	2.425	1611216	365.242	0
3	CLET	3.125	889408	375.458	0
4	F11	3.508	3244727	448.085	0
5	DCE11+F113	4.233	3774430	754.121	0
6	DCM	4.892	1698632	296.318	0
7	DCE12T	5.242	2077957	341.814	0
8	DCA11	5.800	2376897	377.948	0
9	DCE12C	6.592	1996904	343.116	0
10	CLFM	7.058	2910187	403.939	0
11	TCA111	7.275	2313495	322.980	0
12	CBTC	7.517	3377066	397.997	0
13	DCA12	7.867	1875707	315.845	0
14	TCE	8.833	2453932	343.222	0
15		10.133	31099	0.000	0
16	DCPE13C(s)	10.542	728506	933.888	0
17	TCA112	11.975	2103999	326.975	0
18	PCE	12.192	2751797	329.647	0
19	CFB13(s)	13.392	357879	785.599	0
20	PCA1112	14.250	2412523	325.739	0
21	PCA1122	17.242	2233551	328.520	0
22		18.300	49210	0.000	0

Totals :

42252328	8455.225	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.090
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951116PM
Acquired : Nov 17, 1995 09:21:40
Printed : Nov 17, 1995 11:03:17
User : DQF

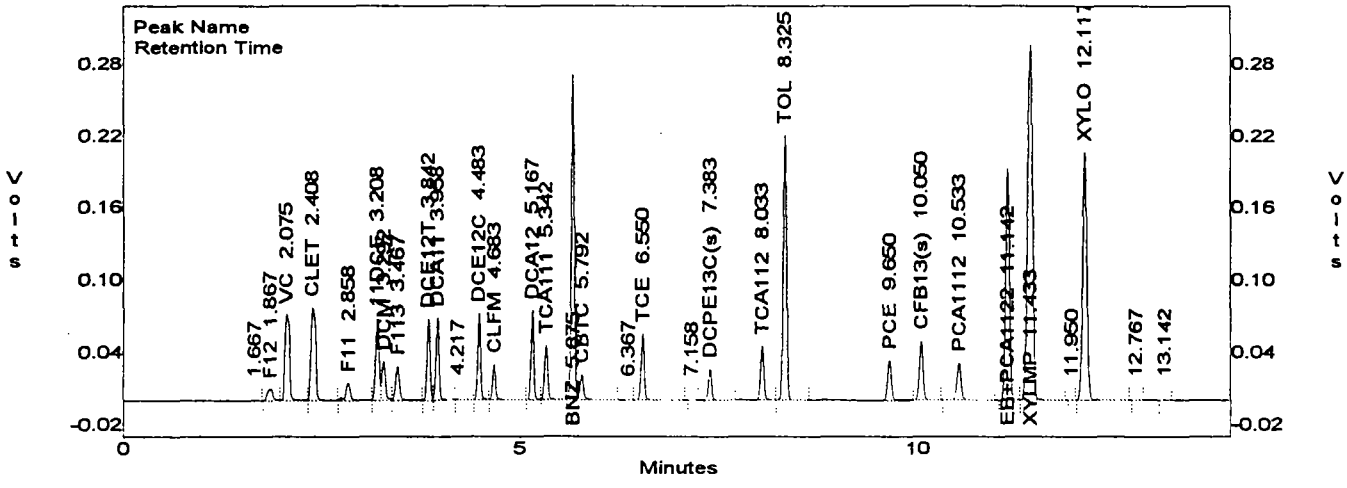


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.392	266288	368.080	0
2		3.083	945	0.000	0
3	DCE11	4.183	677158	405.762	0
4		4.300	17845	0.000	0
5		4.858	12379	0.000	0
6	DCE12T	5.208	1345353	359.594	0
7		5.758	1024	0.000	0
8	DCE12C	6.550	707642	355.846	0
9		7.017	394	0.000	0
10	BNZ	7.783	1556426	372.157	0
11	TCE	8.800	888915	374.230	0
12	DCPE13C(s)	10.500	103257	773.147	0
13		10.750	777	0.000	0
14	TOL	11.083	1357861	350.885	0
15		11.942	326	0.000	0
16	PCE	12.158	679060	353.571	0
17	CFB13(s)	13.342	376151	775.342	0
18		13.992	324	0.000	0
19	EB	14.292	1236252	365.007	0
20	XYLMP	14.575	2905198	716.760	0
21	XYLO	15.467	1183635	353.092	0
22		16.375	2426	0.000	0
23		17.200	324	0.000	0
24		17.625	15069	0.000	0
Totals :			13335038	5923.475	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.090
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951116PM
Acquired : Nov 17, 1995 09:21:40
Printed : Nov 17, 1995 11:03:22
User : DQF

C:\LABQUEST\CHROM\OMEGA.090 – Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	1482	0.000	0
2	F12	1.867	45810	498.827	0
3	VC	2.075	302409	487.544	0
4	CLET	2.408	297727	509.994	0
5	F11	2.858	63868	606.381	0
6	11DCE	3.208	211096	529.253	0
7	DCM	3.292	102295	459.355	0
8	F113	3.467	98903	495.007	0
9	DCE12T	3.842	183758	462.659	0
10	DCA11	3.958	195697	474.993	0
11		4.217	2765	0.000	0
12	DCE12C	4.483	187988	463.438	0
13	CLFM	4.683	84202	511.873	0
14	DCA12	5.167	186379	460.958	0
15	TCA111	5.342	136477	431.210	0
16	BNZ	5.675	707991	472.734	0
17	CBTC	5.792	69427	494.038	0
18		6.367	625	0.000	0
19	TCE	6.550	155272	494.789	0
20		7.158	322	0.000	0
21	DCPE13C(s)	7.383	75165	997.072	0
22	TCA112	8.033	139517	455.323	0
23	TOL	8.325	658546	443.169	0
24	PCE	9.650	117800	464.454	0
25	CFB13(s)	10.050	164140	1006.633	0
26	PCA1112	10.533	116033	469.099	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.090
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951116PM
Acquired : Nov 17, 1995 09:21:40
Printed : Nov 17, 1995 11:03:24
User : DQF

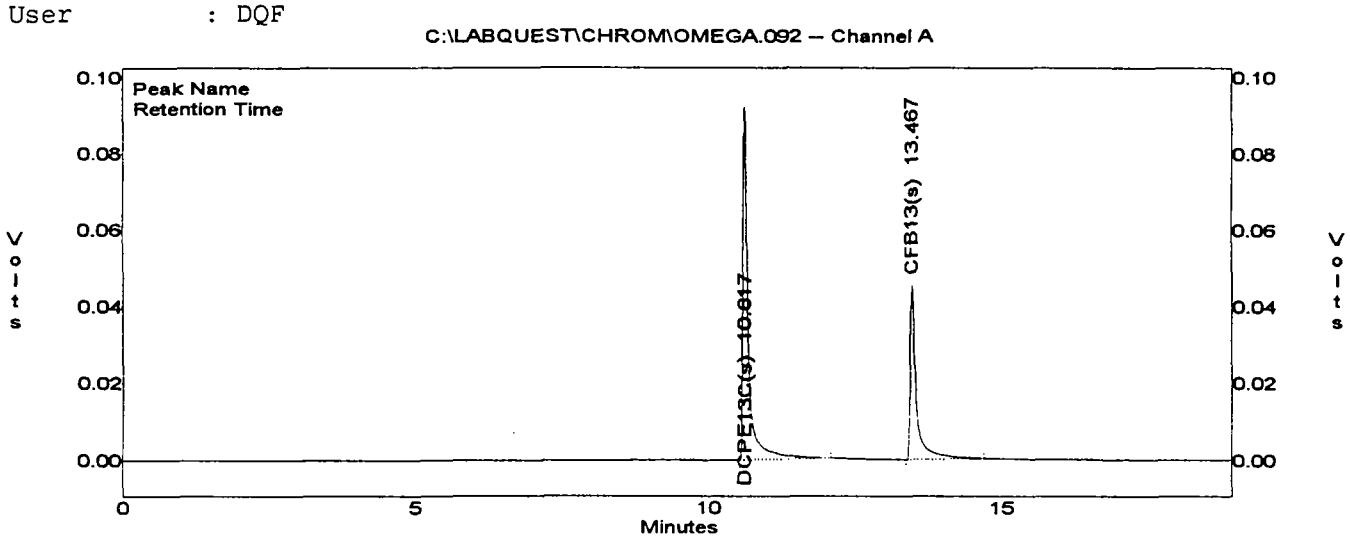
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
27	EB+PCA1122	11.142	672224	931.891	0
28	XYLMP	11.433	1331680	903.870	0
29		11.950	449	0.000	0
30	XYLO	12.117	767480	449.112	0
31		12.767	364	0.000	0
32		13.142	2116	0.000	0

Totals :

7080021 13973.674

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.092
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951117AM
Acquired : Nov 17, 1995 10:24:00
Printed : Nov 17, 1995 10:43:24
User : DQF



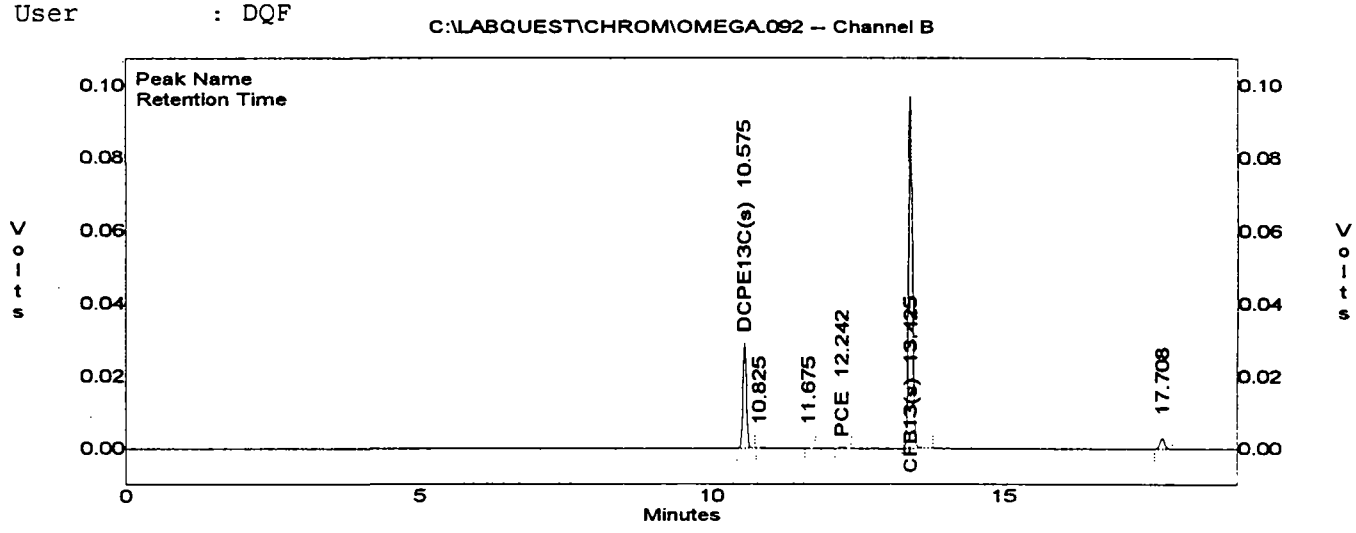
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.892	0	0.000	0
--	VC	2.400	0	0.000	0
--	CLET	3.125	0	0.000	0
--	F11	3.517	0	0.000	0
--	DCE11+F113	4.258	0	0.000	0
--	DCM	4.925	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCA11	5.850	0	0.000	0
--	DCE12C	6.650	0	0.000	0
--	CLFM	7.125	0	0.000	0
--	TCA111	7.350	0	0.000	0
--	CBTC	7.592	0	0.000	0
--	DCA12	7.958	0	0.000	0
--	TCE	8.958	0	0.000	0
1	DCPE13C(s)	10.617	610168	782.187	0
--	TCA112	12.108	0	0.000	0
--	PCE	12.325	0	0.000	0
2	CFB13(s)	13.467	338110	742.205	0
--	PCA1112	14.383	0	0.000	0
--	PCA1122	17.358	0	0.000	0

Totals :

	948278	1524.392

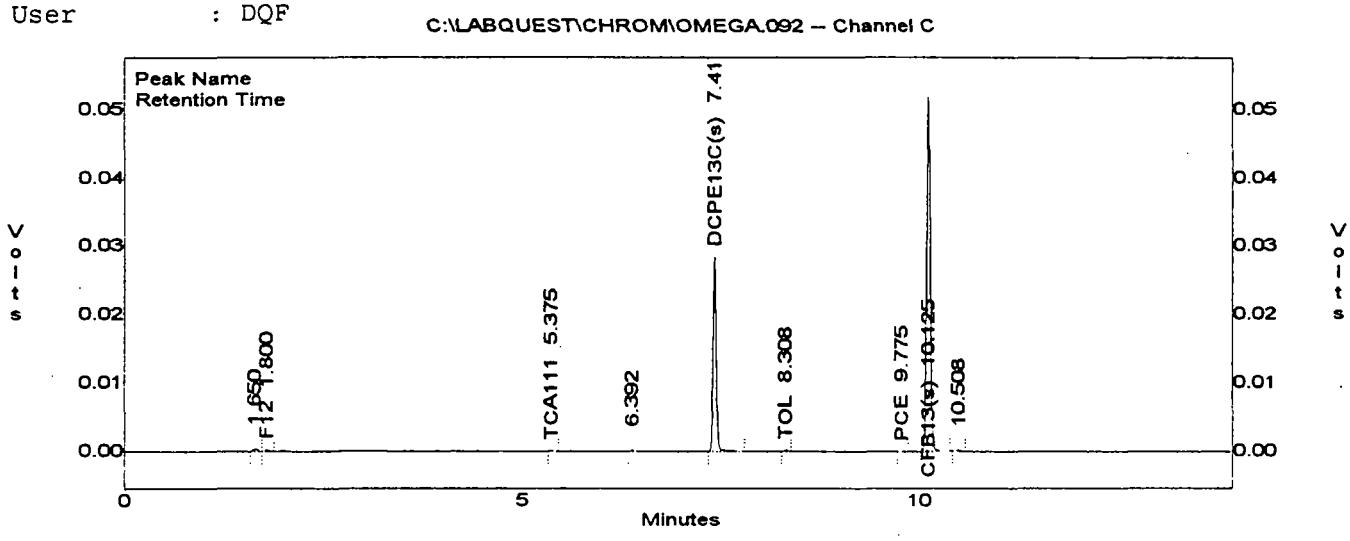
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.092
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951117AM
Acquired : Nov 17, 1995 10:24:00
Printed : Nov 17, 1995 10:43:28
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.367	0	0.000	0
--	DCE11	4.208	0	0.000	0
--	DCE12T	5.242	0	0.000	0
--	DCE12C	6.608	0	0.000	0
--	BNZ	7.867	0	0.000	0
--	TCE	8.908	0	0.000	0
1	DCPE13C(s)	10.575	122709	918.792	0
2		10.825	545	0.000	0
--	TOL	11.208	0	0.000	0
3		11.675	306	0.000	0
4	PCE	12.242	1968	1.025	0
5	CFB13(s)	13.425	457434	942.887	0
--	EB	14.417	0	0.000	0
--	XYLMP	14.700	0	0.000	0
--	XYLO	15.592	0	0.000	0
6		17.708	17569	0.000	0
Totals :			600532	1862.703	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.092
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951117AM
Acquired : Nov 17, 1995 10:24:00
Printed : Nov 17, 1995 10:43:31
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	1482	0.000	0
2	F12	1.800	679	7.404	0
--	VC	2.033	0	0.000	0
--	CLET	2.383	0	0.000	0
--	F11	2.833	0	0.000	0
--	11DCE	3.200	0	0.000	0
--	DCM	3.283	0	0.000	0
--	F113	3.458	0	0.000	0
--	DCE12T	3.850	0	0.000	0
--	DCA11	3.967	0	0.000	0
--	DCE12C	4.500	0	0.000	0
--	CLFM	4.700	0	0.000	0
--	DCA12	5.192	0	0.000	0
3	TCA111	5.375	343	1.084	0
--	BNZ	5.708	0	0.000	0
--	CBTC	5.825	0	0.000	0
4		6.392	591	0.000	0
--	TCE	6.592	0	0.000	0
5	DCPE13C(s)	7.417	79519	1054.835	0
--	TCA112	8.108	0	0.000	0
6	TOL	8.308	606	0.408	0
7	PCE	9.775	205	0.809	0
8	CFB13(s)	10.125	170396	1045.000	0
9		10.508	561	0.000	0
--	PCA1112	10.633	0	0.000	0
--	EB+PCA1122	11.242	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.092
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SB951117AM
ired : Nov 17, 1995 10:24:00
Printed : Nov 17, 1995 10:43:33
User : DQF

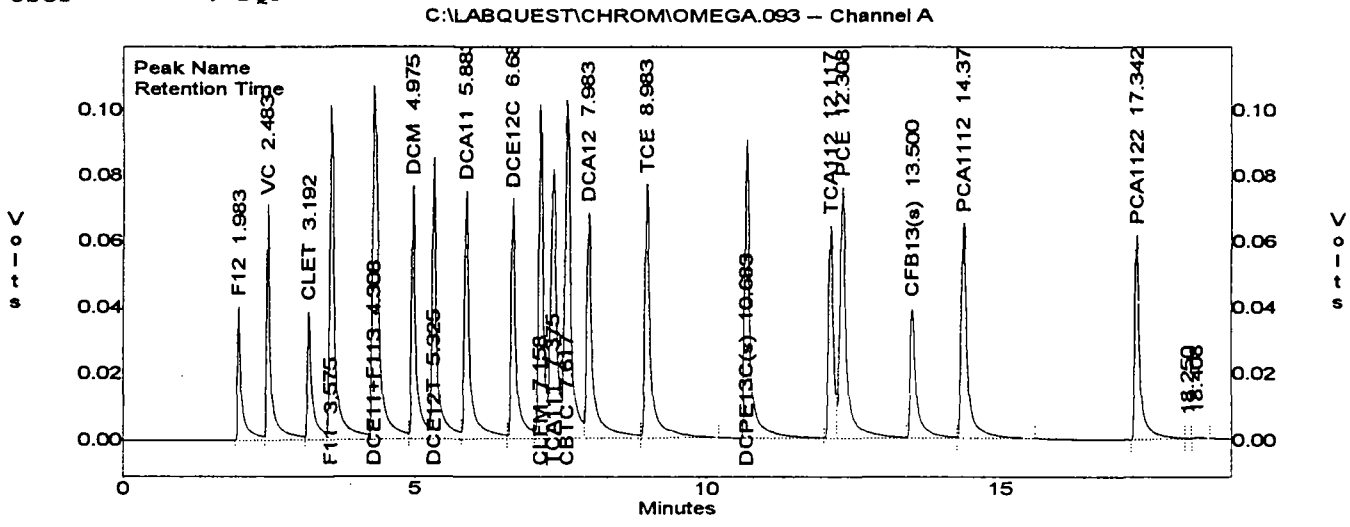
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.525	0	0.000	0
--	XYLO	12.217	0	0.000	0

Totals :

	254385	2109.539

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.093
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951117
Acquired : Nov 17, 1995 10:48:46
Printed : Nov 17, 1995 11:16:59
User : DQF



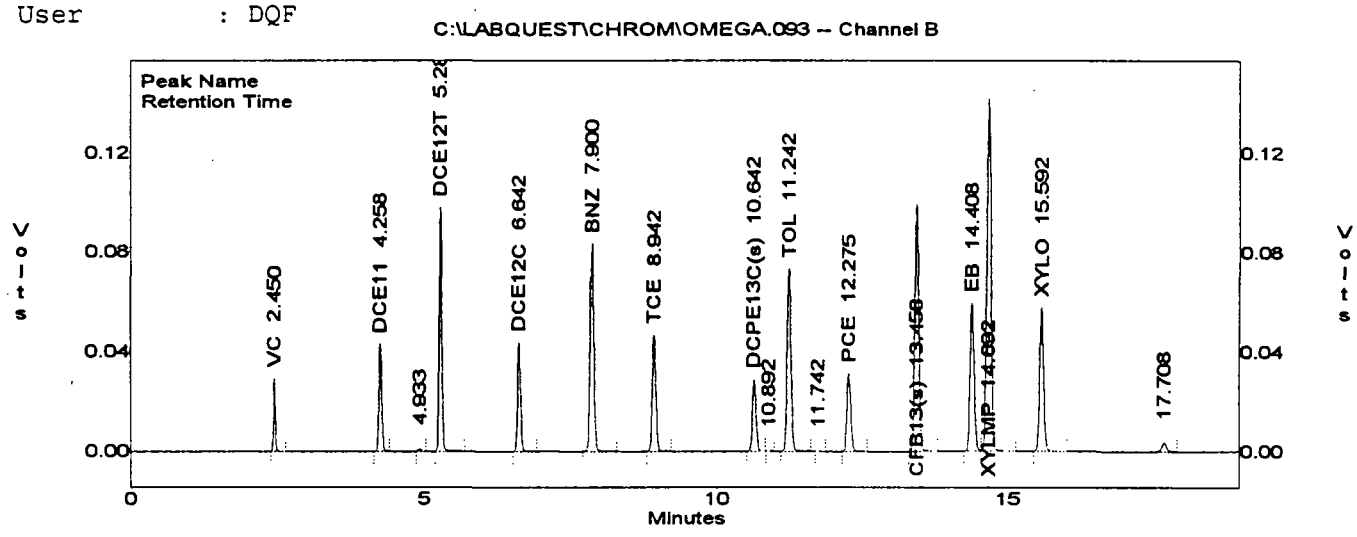
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.983	199708	344.058	0
2	VC	2.483	346627	392.880	0
3	CLET	3.192	218633	461.473	0
4	F11	3.575	627329	433.159	0
5	DCE11+F113	4.308	786683	785.886	0
6	DCM	4.975	403073	351.571	0
7	DCE12T	5.325	483286	397.492	0
8	DCA11	5.883	500650	398.039	0
9	DCE12C	6.683	426709	366.595	0
10	CLFM	7.158	548567	380.711	0
11	TCA111	7.375	556004	388.110	0
12	CBTC	7.617	725361	427.430	0
13	DCA12	7.983	498776	419.937	0
14	TCE	8.983	532193	372.179	0
15	DCPE13C(s)	10.683	606933	3890.204	0
16	TCA112	12.117	360291	279.958	0
17	PCE	12.308	594639	356.170	0
18	CFB13(s)	13.500	297946	3270.186	0
19	PCA1112	14.375	488591	329.849	0
20	PCA1122	17.342	399669	293.926	0
21		18.250	1540	0.000	0
22		18.408	4347	0.000	0

Totals :

9607567	14339.813	

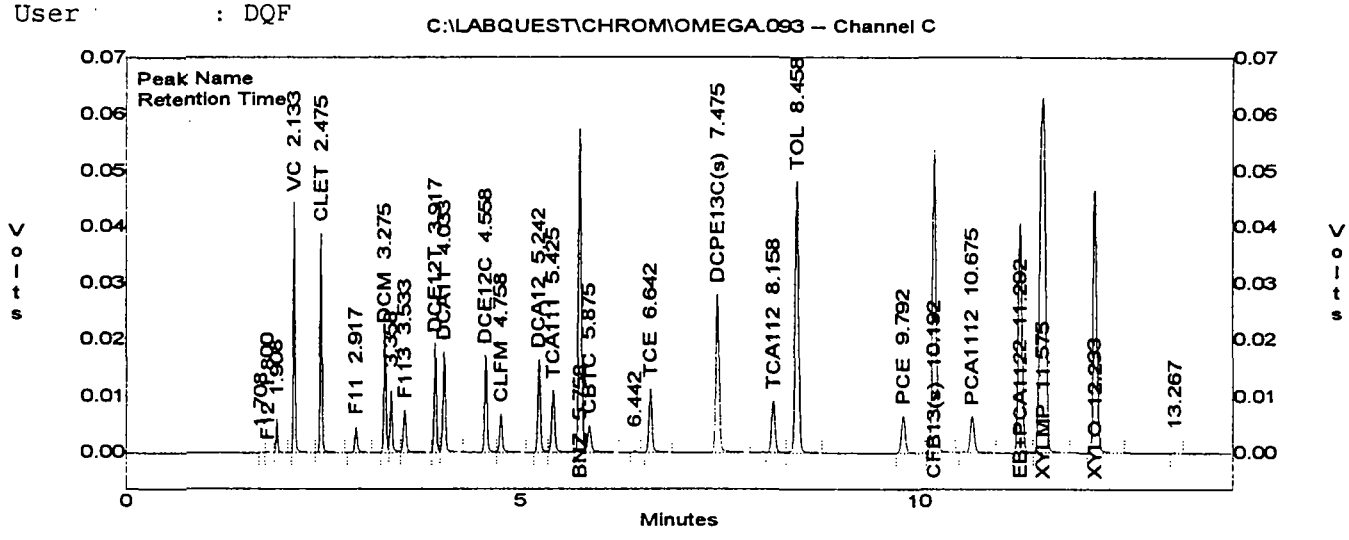
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.093
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951117
Acquired : Nov 17, 1995 10:48:46
Printed : Nov 17, 1995 11:17:04
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.450	62731	433.557	0
2	DCE11	4.258	142349	472.834	0
3		4.933	2714	0.000	0
4	DCE12T	5.283	309581	413.734	0
5	DCE12C	6.642	160102	402.547	0
6	BNZ	7.900	355801	448.526	0
7	TCE	8.942	199889	420.763	0
8	DCPE13C(s)	10.642	124752	4670.462	0
9		10.892	549	0.000	0
10	TOL	11.242	339831	472.856	0
11		11.742	376	0.000	0
12	PCE	12.275	150046	390.629	0
13	CFB13(s)	13.458	472932	4874.161	0
14	EB	14.408	288761	450.637	0
15	XYLMP	14.692	702938	906.905	0
16	XYLO	15.592	284361	460.595	0
17		17.708	20554	0.000	0
Totals :			3618272	14818.206	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.093
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951117
Acquired : Nov 17, 1995 10:48:46
Printed : Nov 17, 1995 11:17:09
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.708	233	0.000		0
2	F12	1.800	608	33.129		0
3		1.908	9017	0.000	491.32	0
4	VC	2.133	64288	518.229		0
5	CLET	2.475	62672	536.772		0
6	F11	2.917	10279	487.978		0
--	11DCE	3.200	0	0.000		0
7	DCM	3.275	39785	~~893.279~~	498.724	0
8		3.358	21392	~~0.000~~	480.306	0
9	F113	3.533	19802	495.562		0
10	DCE12T	3.917	36881	464.294		0
11	DCA11	4.033	40253	488.508		0
12	DCE12C	4.558	38254	471.529		0
13	CLFM	4.758	17283	525.351		0
14	DCA12	5.242	37997	469.886		0
15	TCA111	5.425	31141	491.964		0
16	BNZ	5.758	141344	471.887		0
17	CBTC	5.875	15671	557.600		0
18		6.442	629	0.000		0
19	TCE	6.642	30902	492.368		0
20	DCPE13C(s)	7.475	81091	5378.453		0
21	TCA112	8.158	28688	468.135		0
22	TOL	8.458	148377	499.254		0
23	PCE	9.792	24034	473.799		0
24	CFB13(s)	10.192	176908	5424.681		0
25	PCA1112	10.675	24182	488.826		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.093
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : CC951117
Acquired : Nov 17, 1995 10:48:46
Printed : Nov 17, 1995 11:17:11
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	EB+PCA1122	11.292	140474	973.685	0
27	XYLMP	11.575	288640	979.565	0
28	XYLO	12.233	149349	436.980	0
29		13.267	333	0.000	0

Totals :

	1680521	22521.715

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: FB17NOV95	Probe Depth (ft): NA
Time Sampled: 10:00	Sampled by: WM
Date Sampled: 11.17.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: NA
Air Temp. (F): 73.9°F	Wind dir/speed: NA

Sample Parameters

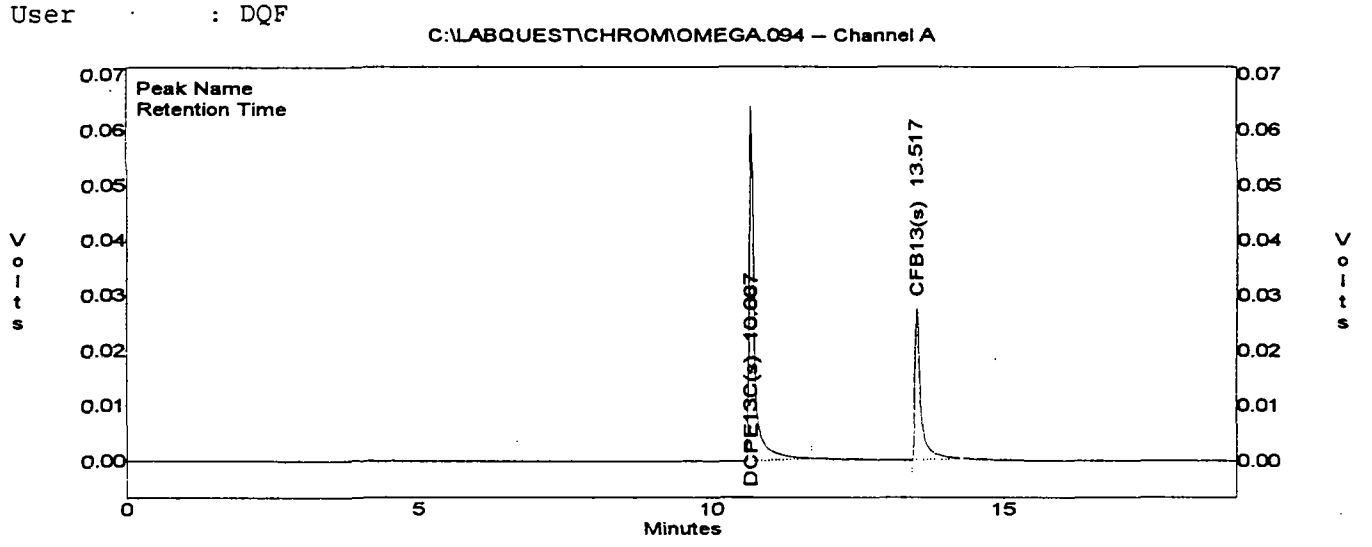
Probe Volume (ml): —	Max. Purge Vacuum (in. Hg): —
Purge Volume (liters): 5	Equilibrium Time: -
Purge Time (min.): 1 min	Sample Volume (ml): 10 mL
Notes:	Syringe ID: A B

Analytical Summary

Chemist:	Volume Analyzed:
Recd. Date: Time:	Time Injected: Loop #:

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	52
PCE		% Surr. 2, ELCD	43
1112PCA		% Surr. 1, PID	93
1122PCA		% Surr. 2, PID	96
		% Surr. 1, FID	108
		% Surr. 2, FID	108

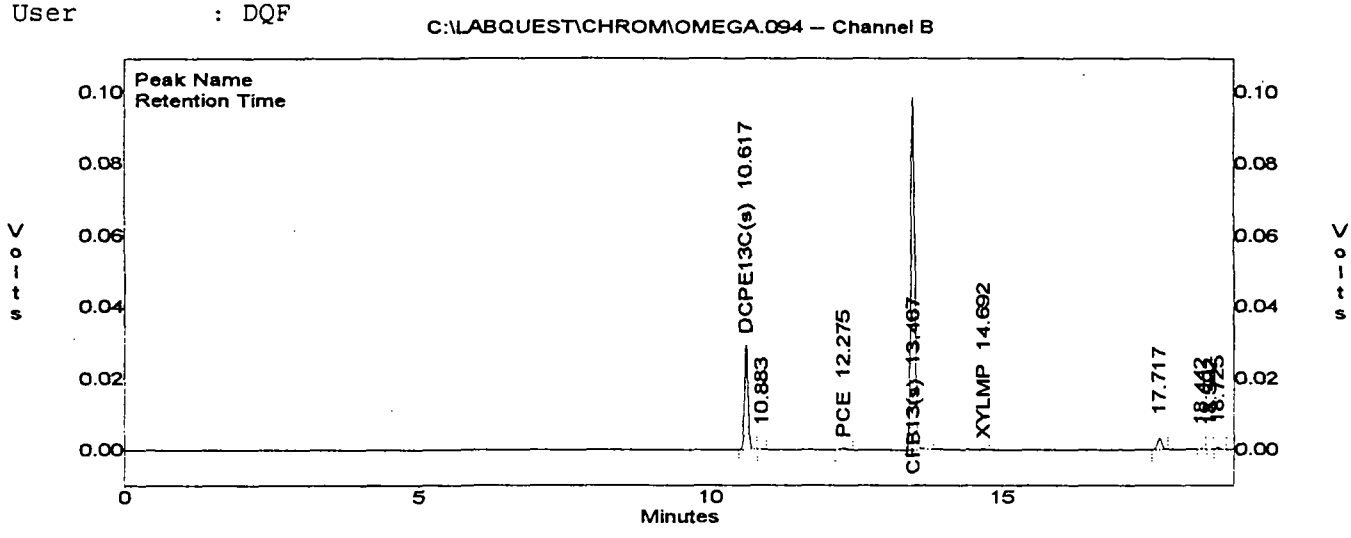
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.094
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB17NOV95
Acquired : Nov 17, 1995 11:13:34
Printed : Nov 17, 1995 11:32:57
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
--	F11	3.575	0	0.000	0
--	DCE11+F113	4.308	0	0.000	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
1	DCPE13C(s)	10.667	403848	517.702	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
2	CFB13(s)	13.517	195461	429.067	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			599309	946.769	

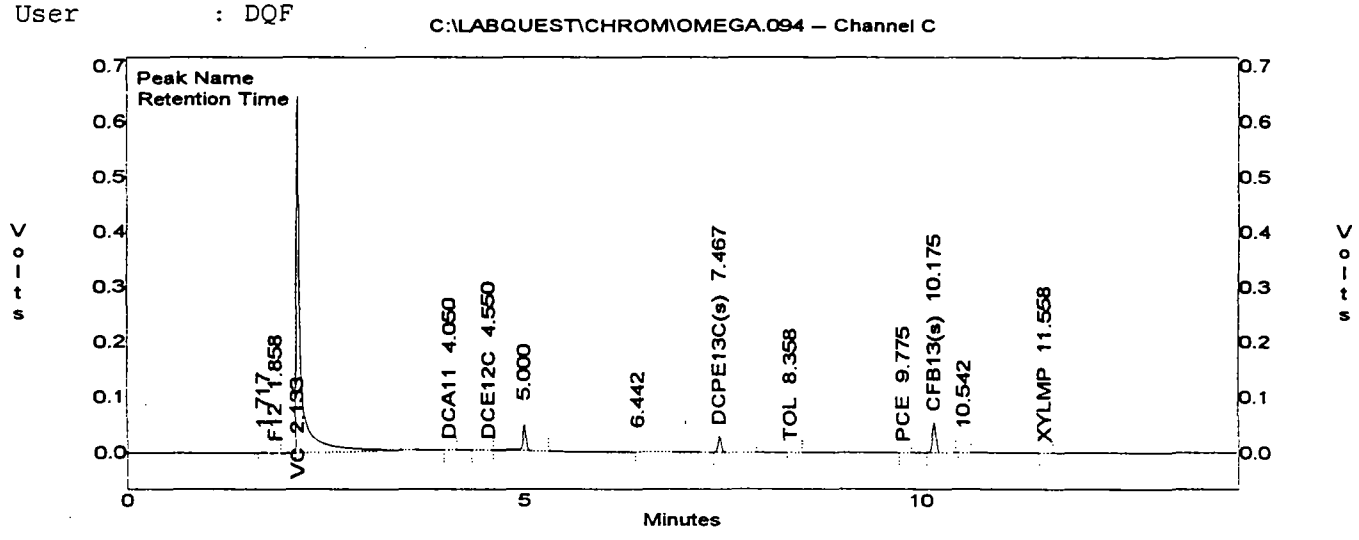
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.094
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB17NOV95
Acquired : Nov 17, 1995 11:13:34
Printed : Nov 17, 1995 11:33:01
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
--	DCE11	4.258	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.617	123963	928.181	0
2		10.883	586	0.000	0
--	TOL	11.242	0	0.000	0
3	PCE	12.275	3318	1.728	0
4	CFB13(s)	13.467	465980	960.502	0
--	EB	14.408	0	0.000	0
5	XYLMP	14.692	470	0.116	0
--	XYLO	15.592	0	0.000	0
6		17.717	17680	0.000	0
7		18.442	764	0.000	0
8		18.592	306	0.000	0
9		18.725	2492	0.000	0
Totals :			615560	1890.527	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.094
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB17NOV95
Acquired : Nov 17, 1995 11:13:34
Printed : Nov 17, 1995 11:33:05
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.717	1879	0.000	0
2	F12	1.858	536	5.842	0
3	VC	2.133	2521361	4064.936	0
--	CLET	2.475	0	0.000	0
--	F11	2.917	0	0.000	0
--	11DCE	3.275	0	0.000	0
--	DCM	3.358	0	0.000	0
--	F113	3.533	0	0.000	0
--	DCE12T	3.917	0	0.000	0
4	DCA11	4.050	428	1.040	0
5	DCE12C	4.550	7915	19.514	0
--	CLFM	4.758	0	0.000	0
6		5.000	160494	0.000	0
--	DCA12	5.242	0	0.000	0
--	TCA111	5.425	0	0.000	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
7		6.442	1954	0.000	0
--	TCE	6.642	0	0.000	0
8	DCPE13C(s)	7.467	81370	1079.382	0
--	TCA112	8.158	0	0.000	0
9	TOL	8.358	787	0.530	0
10	PCE	9.775	507	2.000	0
11	CFB13(s)	10.175	176716	1083.759	0
12		10.542	609	0.000	0
--	PCA1112	10.675	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.094
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : FB17NOV95
Acquired : Nov 17, 1995 11:13:34
Printed : Nov 17, 1995 11:33:07
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
13	XYLMP	11.558	329	0.224	0
--	XYLO	12.233	0	0.000	0

Totals :

	2954889	6257.226

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SL29-6	Probe Depth (ft): 6'
Time Sampled: 11:44	Sampled by: WJm
Date Sampled: 11-17-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P. Cloudy	Ground Surface: Grass
Air Temp. (F): 67	Wind dir/speed: Calm

Sample Parameters

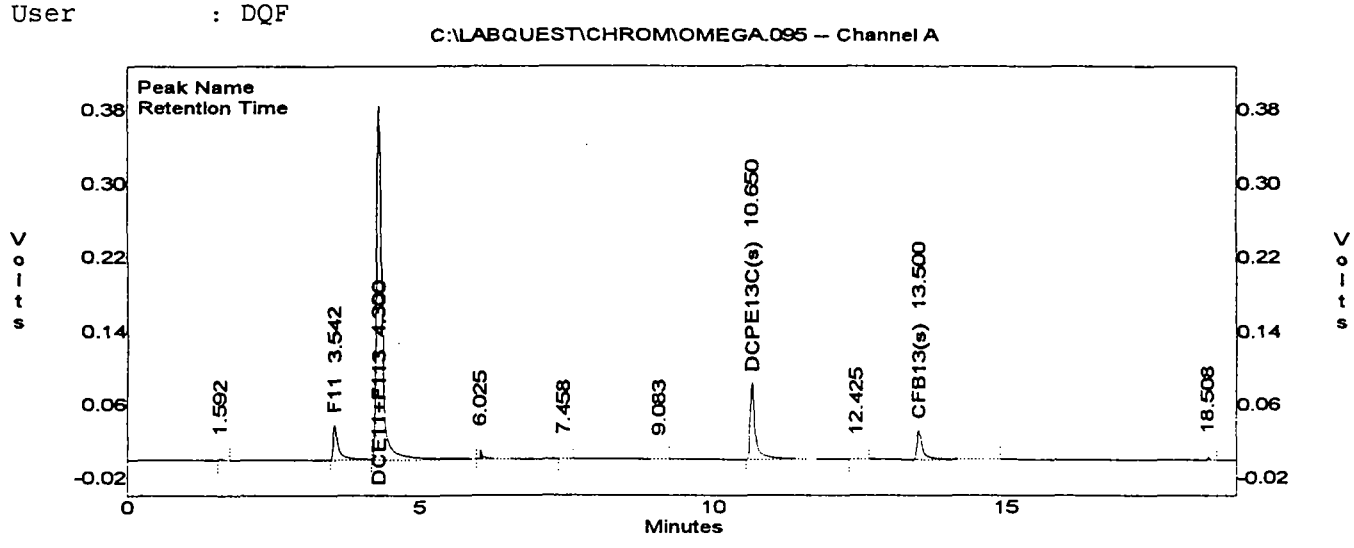
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 10
Purge Volume (liters): .5ℓ	Equilibrium Time: :03
Purge Time (min.): :03	Sample Volume (ml): 20mL
Notes: FID = 125	Syringe ID: A _____ B _____

Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/17/95 Time: 11:44	Time Injected: 11:45 Loop #: 4

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	6.1
Vinyl Chloride	↓	Benzene	<1
Chloroethane	↓	Toluene	↓
Freon 11	51	Ethylbenzene	
Dichloromethane	<1	m/p-Xylene	
t-12DCE	↓	o-Xylene	↓
11DCA			
c-12DCE			
Chloroforme		Freon 113	830
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	68
PCE		% Surr. 2, ELCD	52
1112PCA		% Surr. 1, PID	91
1122PCA	↓	% Surr. 2, PID	94
		% Surr. 1, FID	107
		% Surr. 2, FID	107

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.095
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-6
Acquired : Nov 17, 1995 11:48:05
Printed : Nov 17, 1995 12:07:31
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.592	4895	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.542	262268	36.218	0
3	DCE11+F113	4.300	2607519	520.976	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
4		6.025	29663	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
5		7.458	648	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
6		9.083	1552	0.000	0
7	DCPE13C(s)	10.650	528339	677.289	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
8		12.425	785	0.000	0
9	CFB13(s)	13.500	234787	515.395	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
10		18.508	6185	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.095
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-6
Acquired : Nov 17, 1995 11:48:05
Printed : Nov 17, 1995 12:07:33
User : DQF

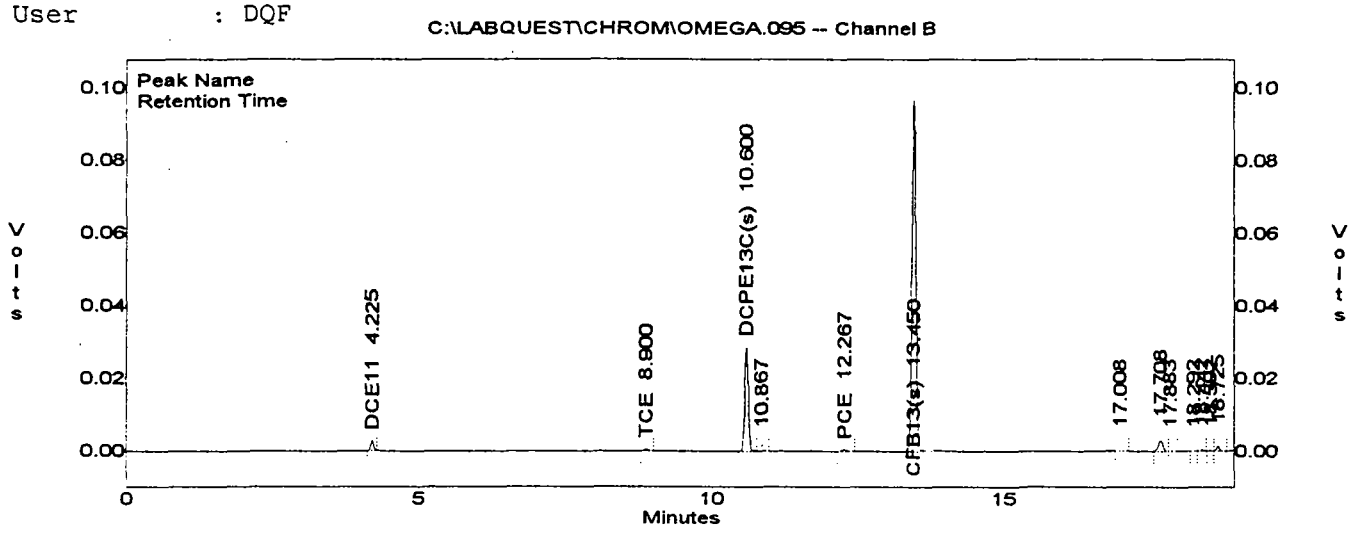
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf

Totals :

	3676645	1749.878

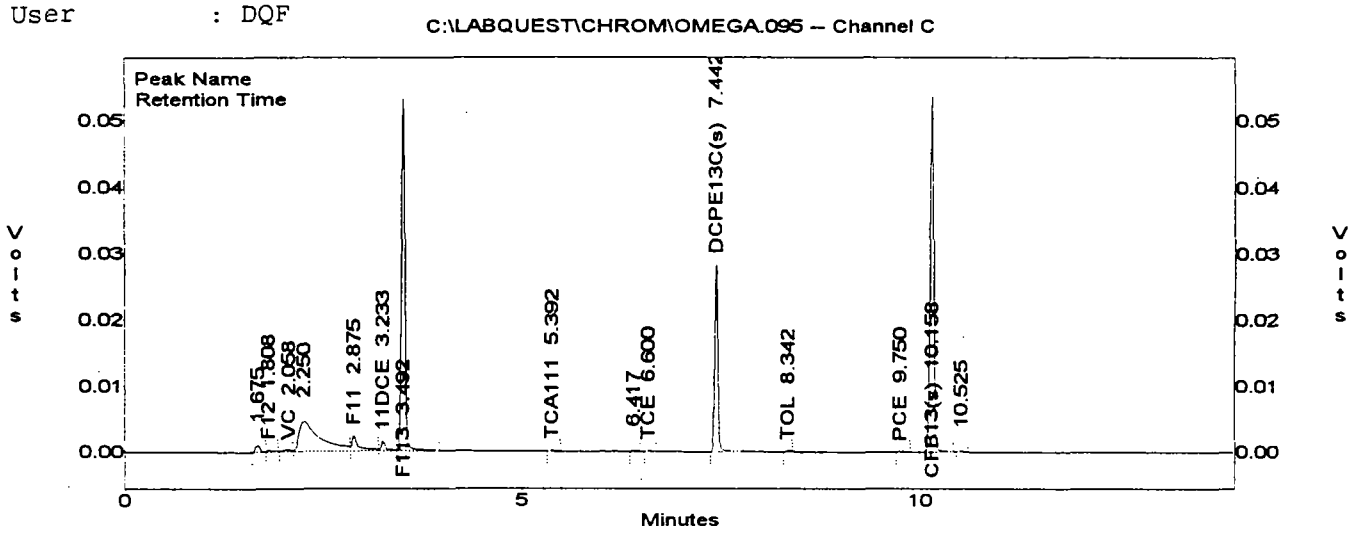
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.095
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-6
Acquired : Nov 17, 1995 11:48:05
Printed : Nov 17, 1995 12:07:36
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)		Rf
--	VC	2.450	0	0.000		0
1	DCE11	4.225	10122	6.065	✓	0
--	DCE12T	5.283	0	0.000		0
--	DCE12C	6.642	0	0.000		0
--	BNZ	7.900	0	0.000		0
2	TCE	8.900	2296	0.967		0
3	DCPE13C(s)	10.600	121838	912.277		0
4		10.867	1042	0.000		0
--	TOL	11.242	0	0.000		0
5	PCE	12.267	2965	1.544		0
6	CFB13(s)	13.450	456208	940.360		0
--	EB	14.408	0	0.000		0
--	XYLMP	14.692	0	0.000		0
--	XYLO	15.592	0	0.000		0
7		17.008	998	0.000		0
8		17.708	17466	0.000		0
9		17.883	553	0.000		0
10		18.292	348	0.000		0
11		18.442	1593	0.000		0
12		18.592	648	0.000		0
13		18.725	4953	0.000		0
Totals :			621034	1861.213		

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.095
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-6
Acquired : Nov 17, 1995 11:48:05
Printed : Nov 17, 1995 12:07:40
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	4418	0.000		0
2	F12	1.808	931	10.138		0
3	VC	2.058	1312	2.116		0
4		2.250	82279	0.000		0
--	CLET	2.475	5374	0.000		0
5	F11	2.875	~~14230~~	~~135.108~~ 51.026		0
6	11DCE	3.233	6066	15.211		0
--	DCM	3.358	0	0.000		0
7	F113	3.492	165715	829.402 ✓		0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
--	DCA12	5.242	0	0.000		0
8	TCA111	5.392	706	2.231 ✗		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
9		6.417	632	0.000		0
10	TCE	6.600	464	1.480 ✗		0
11	DCPE13C(s)	7.442	80287	1065.022		0
--	TCA112	8.158	0	0.000		0
12	TOL	8.342	546	0.367		0
13	PCE	9.750	435	1.717 ✗		0
14	CFB13(s)	10.158	174782	1071.898		0
15		10.525	542	0.000		0
--	PCA1112	10.675	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.095
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-6
ired : Nov 17, 1995 11:48:05
ed : Nov 17, 1995 12:07:42
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

533349 3134.689

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG-29-12	Probe Depth (ft): 12'
Time Sampled: 11:57	Sampled by: WM
Date Sampled: 11-17-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: CLEAR	Ground Surface: GRASS
Air Temp. (F):	Wind dir/speed:

Sample Parameters

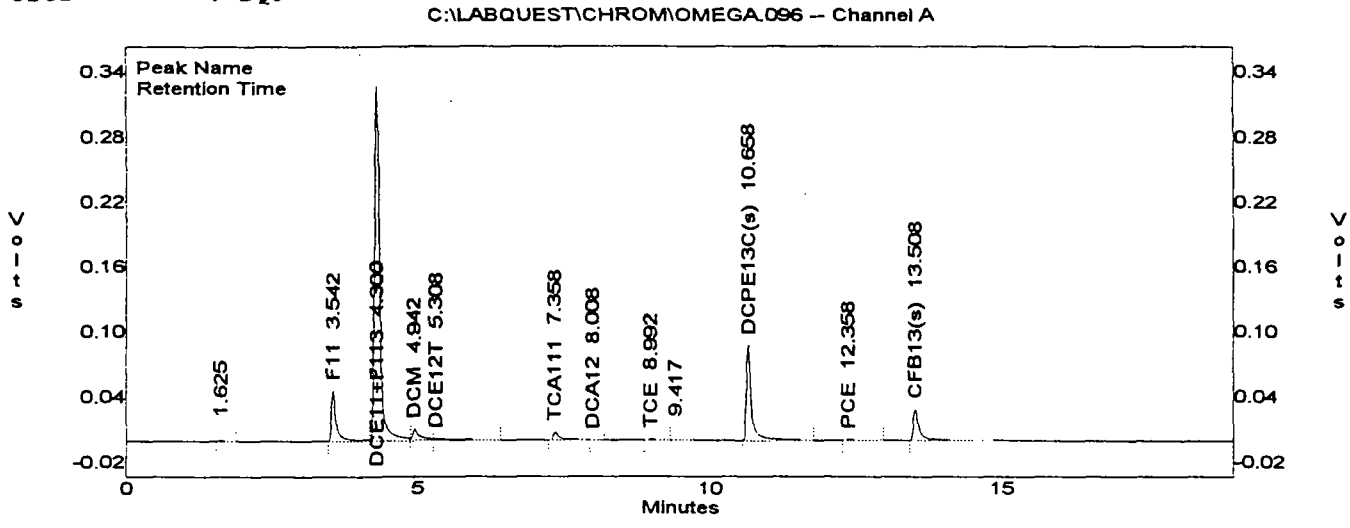
Probe Volume (ml): 226	Max. Purge Vacuum (in. Hg): 25
Purge Volume (liters): .75	Equilibrium Time: :17
Purge Time (min.): .08	Sample Volume (ml): 20 mL
Notes: 80 ppm	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1 mL
Recd. Date: 11/17/95 Time: 11:59	Time Injected: 12:11 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	4.9	
Vinyl Chloride	"		Benzene	<1	
Chloroethane	"		Toluene	"	
Freon 11	53		Ethylbenzene	"	
Dichloromethane	8.1		m/p-Xylene	"	
t-12DCE	1.1		o-Xylene	"	
11DCA	<1				
c-12DCE	"				
Chloroforme	"		Freon 113	640	
111TCA	18				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	3.8				
112TCA	<1		% Surr. 1, ELCD	70	
PCE	4.3		% Surr. 2, ELCD	78 49	
1112PCA	<1		% Surr. 1, PID	49 91	
1122PCA	<1		% Surr. 2, PID	94 93	
			% Surr. 1, FID	93 107	
			% Surr. 2, FID	107	

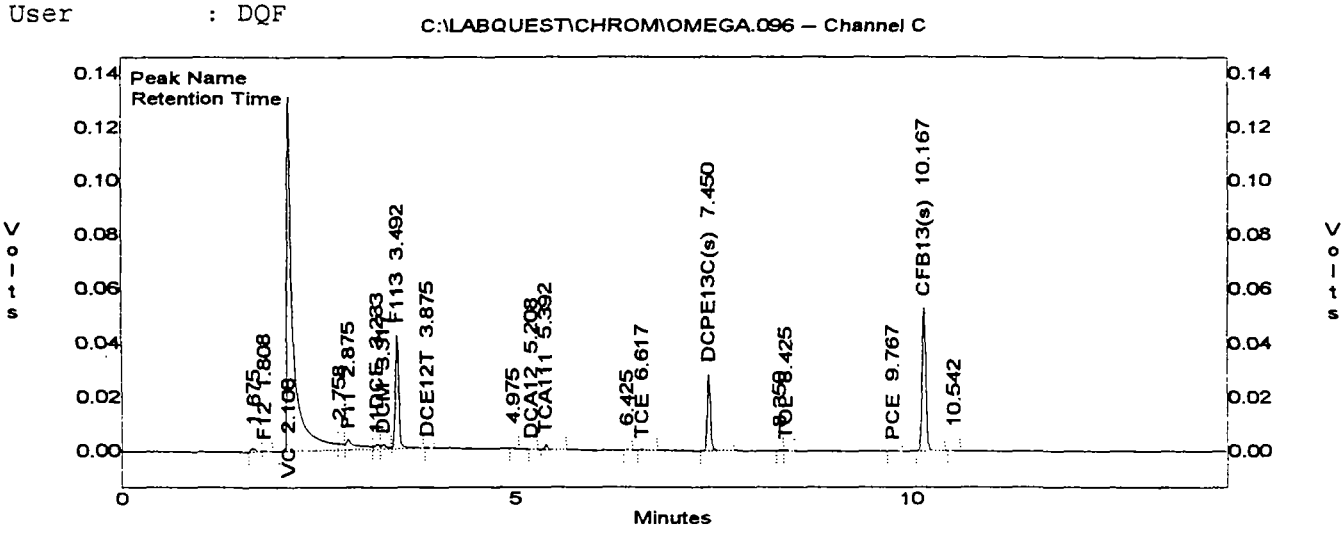
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.096
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-12
Acquired : Nov 17, 1995 12:31:18
Printed : Nov 17, 1995 12:50:38
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	3200	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.542	286835	39.611	0
3	DCE11+F113	4.300	2065436	412.669	0
4	DCM	4.942	88681	15.470	0
5	DCE12T	5.308	37921	6.238	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
6	TCA111	7.358	59653	8.328	0
--	CBTC	7.617	0	0.000	0
7	DCA12	8.008	661	0.111	0
8	TCE	8.992	7414	1.037	0
9		9.417	550	0.000	0
10	DCPE13C(s)	10.658	546284	700.293	0
--	TCA112	12.117	0	0.000	0
11	PCE	12.358	9780	1.172	0
12	CFB13(s)	13.508	225237	494.430	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			3331656	1679.359	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.096
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG29-12
Acquired : Nov 17, 1995 12:31:18
Printed : Nov 17, 1995 12:50:47
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	4756	0.000		0
2	F12	1.808	826	8.994		0
3	VC	2.108	723446	1166.340		0
--	CLET	2.475	0	0.000		0
4		2.758	12220	0.000		0
5	F11	2.875	~~35063~~ 5543	~~332.900~~	52.633	0
6	11DCE	3.233	~~7629~~ 1163	~~19.127~~	2.867	0
7	DCM	3.317	~~8429~~ 1802	~~37.853~~	8.093	0
8	F113	3.492	~~134091~~ 1271	~~671.122~~	636.621	0
9	DCE12T	3.875	429	1.081		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
10		4.975	1177	0.000		0
11	DCA12	5.208	391	0.968		0
12	TCA111	5.392	5700	18.010		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
13		6.425	620	0.000		0
14	TCE	6.617	1196	3.813		0
15	DCPE13C(s)	7.450	80636	1069.652		0
--	TCA112	8.158	0	0.000		0
16		8.350	580	0.000		0
17	TOL	8.425	471	0.318		0
18	PCE	9.767	1096	4.322		0
19	CFB13(s)	10.167	174753	1071.717		0

Continued...

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB 28-12	Probe Depth (ft): 12'
Time Sampled: 12:50	Sampled by: WM
Date Sampled: 11-17 95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy	Ground Surface: Grass
Air Temp. (F): est. 50s	Wind dir/speed: Calm

Sample Parameters

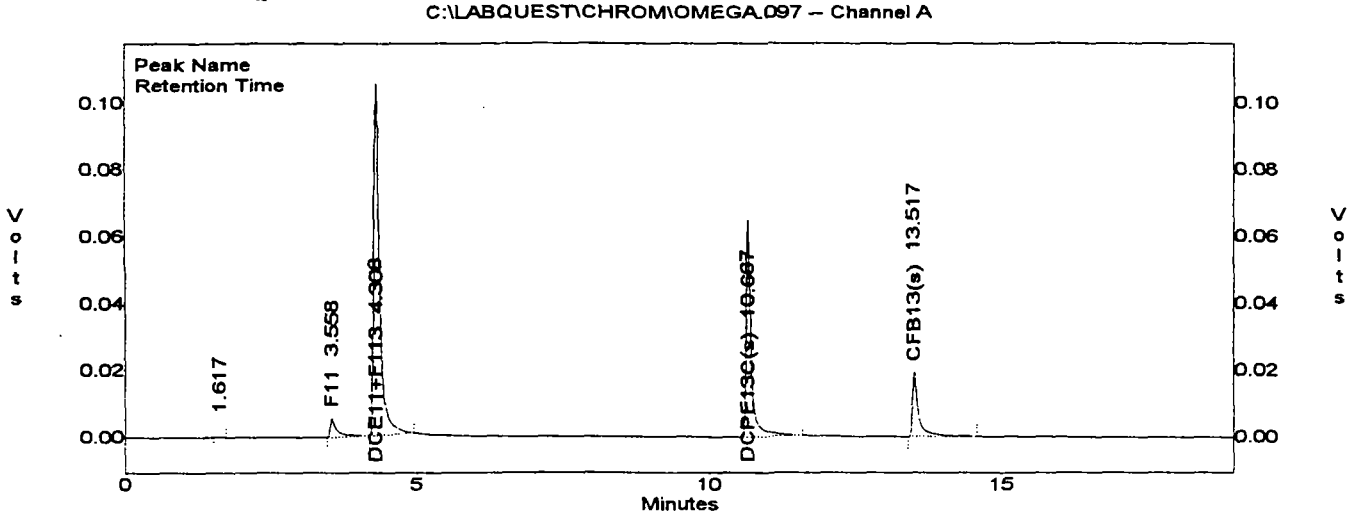
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 15
Purge Volume (liters): .75	Equilibrium Time: :02
Purge Time (min.): :07	Sample Volume (ml): 20 mL
Notes: 80 ppm	Syringe ID: A ____ B ____

Analytical Summary

Chemist: DOF	Volume Analyzed: 1mL
Recd. Date: 11/17/95 Time: 12:55	Time Injected: 12:53 Loop #: M1

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride	↓	Benzene	↓
Chloroethane	↓	Toluene	↓
Freon 11	23	Ethylbenzene	↓
Dichloromethane	<1	m/p-Xylene	↓
t-12DCE	↓	o-Xylene	↓
11DCA	↓		
c-12DCE	↓		
Chloroforme	↓	Freon 113	310
111TCA	↓		
Carbon Tetrachloride	↓		
12DCA	↓		
TCE	↓		
112TCA	↓	% Surr. 1, ELCD	50
PCE	↓	% Surr. 2, ELCD	32
1112PCA	↓	% Surr. 1, PID	90
1122PCA	↓	% Surr. 2, PID	93
		% Surr. 1, FID	107
		% Surr. 2, FID	108

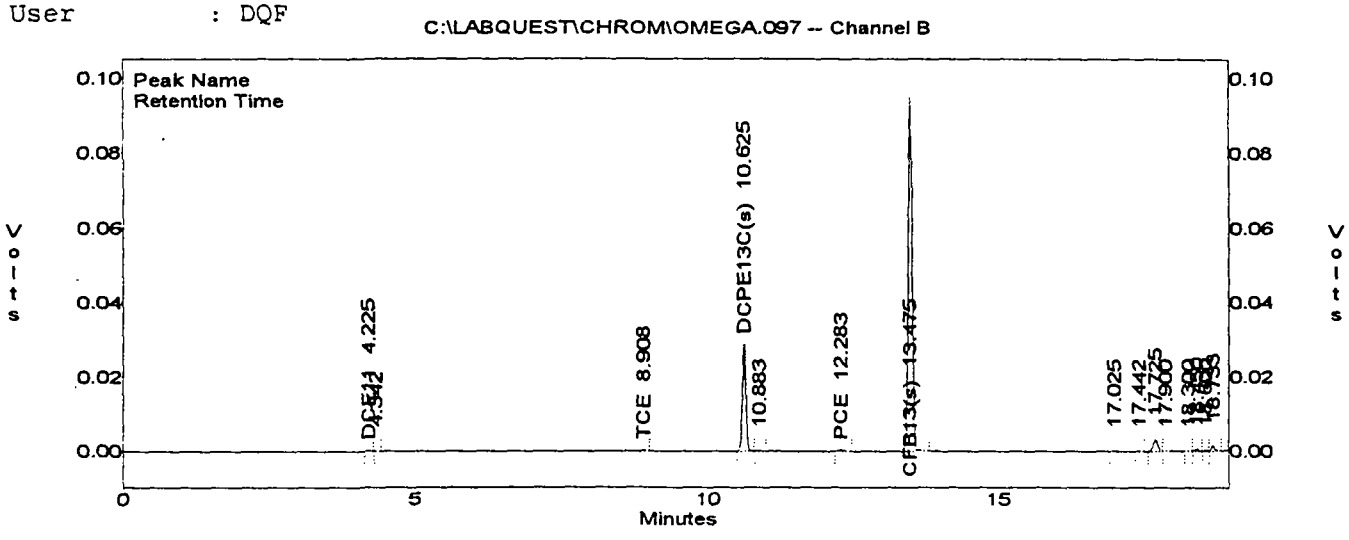
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.097
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-12
Acquired : Nov 17, 1995 12:55:21
Printed : Nov 17, 1995 13:14:48
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.617	1360	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.558	48885	6.751	0
3	DCE11+F113	4.308	734710	146.793	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
4	DCPE13C(s)	10.667	393621	504.592	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
5	CFB13(s)	13.517	145884	320.239	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			1324461	978.374	

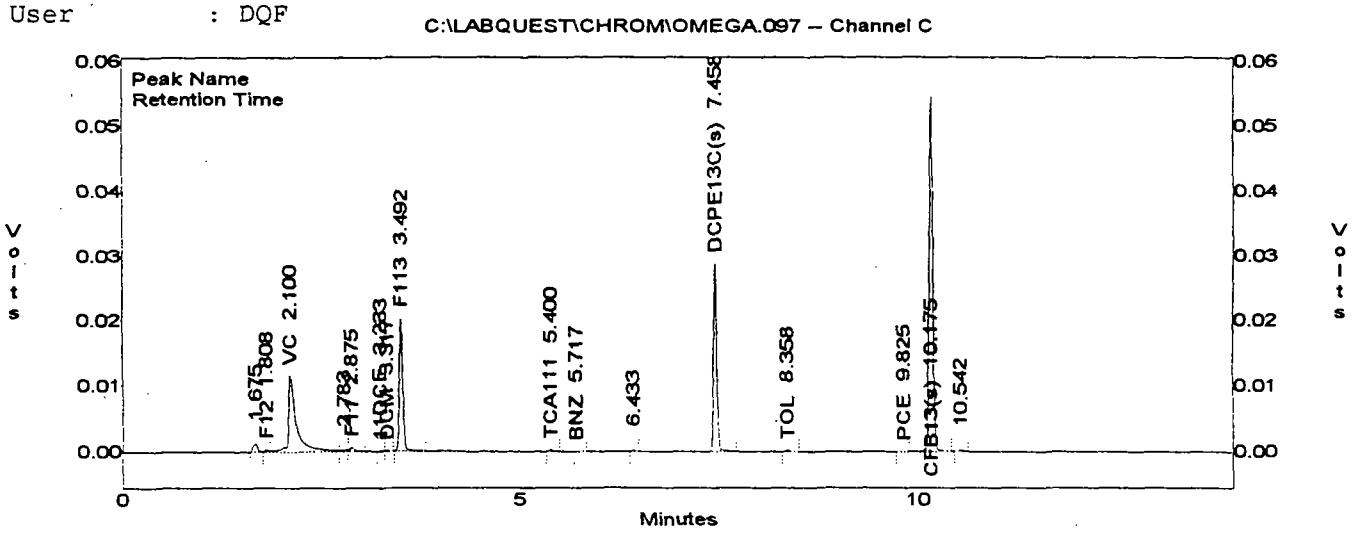
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.097
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-5\12
Acquired : Nov 17, 1995 12:55:21
Printed : Nov 17, 1995 13:14:52
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.225	1107	0.663	0
2		4.342	446	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
3	TCE	8.908	362	0.152	0
4	DCPE13C(s)	10.625	120539	902.544	0
5		10.883	574	0.000	0
--	TOL	11.242	0	0.000	0
6	PCE	12.283	2341	1.219	0
7	CFB13(s)	13.475	448930	925.358	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
8		17.025	1102	0.000	0
9		17.442	322	0.000	0
10		17.725	17448	0.000	0
11		17.900	674	0.000	0
12		18.300	525	0.000	0
13		18.450	2323	0.000	0
14		18.600	942	0.000	0
15		18.733	6072	0.000	0
Totals :			603711	1829.937	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.097
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6 ✓
Acquired : Nov 17, 1995 12:55:21
Printed : Nov 17, 1995 13:14:56
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.675	5517	0.000	0
2	F12	1.808	1050	11.444 ✓	0
3	VC	2.100	83654	134.867 ✓	0
--	CLET	2.475	0	0.000	0
4		2.783	1155	0.000	0
5	F11	2.875	2437	23.146 ✓	0
6	11DCE	3.233	373	0.935	0
7	DCM	3.317	324	1.456 ✓	0
8	F113	3.492	62824	314.434 ✓	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
9	TCA111	5.400	741	2.341 ✓	0
10	BNZ	5.717	223	0.149	0
--	CBTC	5.875	0	0.000	0
11		6.433	570	0.000	0
--	TCE	6.642	0	0.000	0
12	DCPE13C(s)	7.458	80778	1071.535	0
--	TCA112	8.158	0	0.000	0
13	TOL	8.358	812	0.546	0
14	PCE	9.825	309	1.219 ✓	0
15	CFB13(s)	10.175	176309	1081.263	0
16		10.542	620	0.000	0
--	PCA1112	10.675	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.097
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6 \V
uired : Nov 17, 1995 12:55:21
ted : Nov 17, 1995 13:14:57
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

417701 2643.335

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB27-6	Probe Depth (ft): 16'
Time Sampled: 13:12	Sampled by: WM
Date Sampled: 11-17-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy	Ground Surface: Grass
Air Temp. (F): 70.7°F	Wind dir/speed: Calm

Sample Parameters

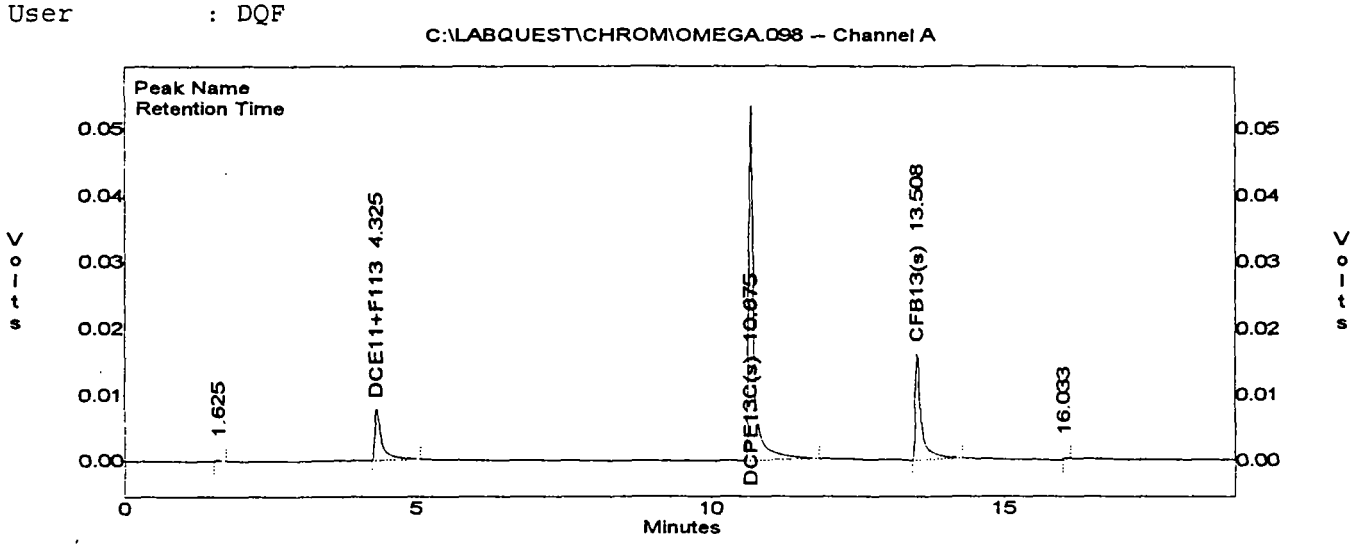
Probe Volume (ml): 150	Max. Purge Vacuum (in. Hg): 23
Purge Volume (liters): .5L	Equilibrium Time: 2.50 min +
Purge Time (min.): :09	Sample Volume (ml): 20 ml
Notes: 30 PPM	Syringe ID: A B

Analytical Summary

Chemist: DOF	Volume Analyzed: 1 mL
Recd. Date: 11/17/95 Time: 13:13	Time Injected: 13:15 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride			Benzene		
Chloroethane			Toluene		
Freon 11			Ethylbenzene		
Dichloromethane			m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	50	
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	44	
PCE			% Surr. 2, ELCD	26	
1112PCA			% Surr. 1, PID	90	
1122PCA			% Surr. 2, PID	92	
			% Surr. 1, FID	107	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.098
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-6
Acquired : Nov 17, 1995 13:19:39
Printed : Nov 17, 1995 13:39:03
User : DQF



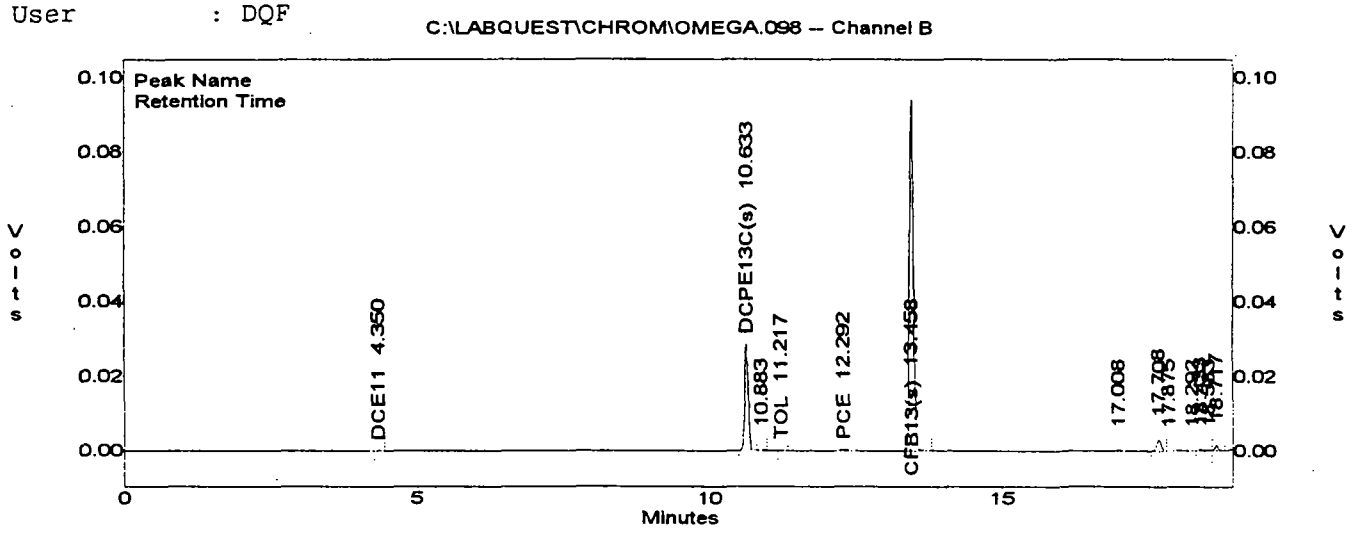
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	1041	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
--	F11	3.575	0	0.000	0
2	DCE11+F113	4.325	66254	13.237	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
3	DCPE13C(s)	10.675	340739	436.802	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
4	CFB13(s)	13.508	119377	262.052	0
--	PCA1112	14.375	0	0.000	0
5		16.033	961	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

528374	712.091	

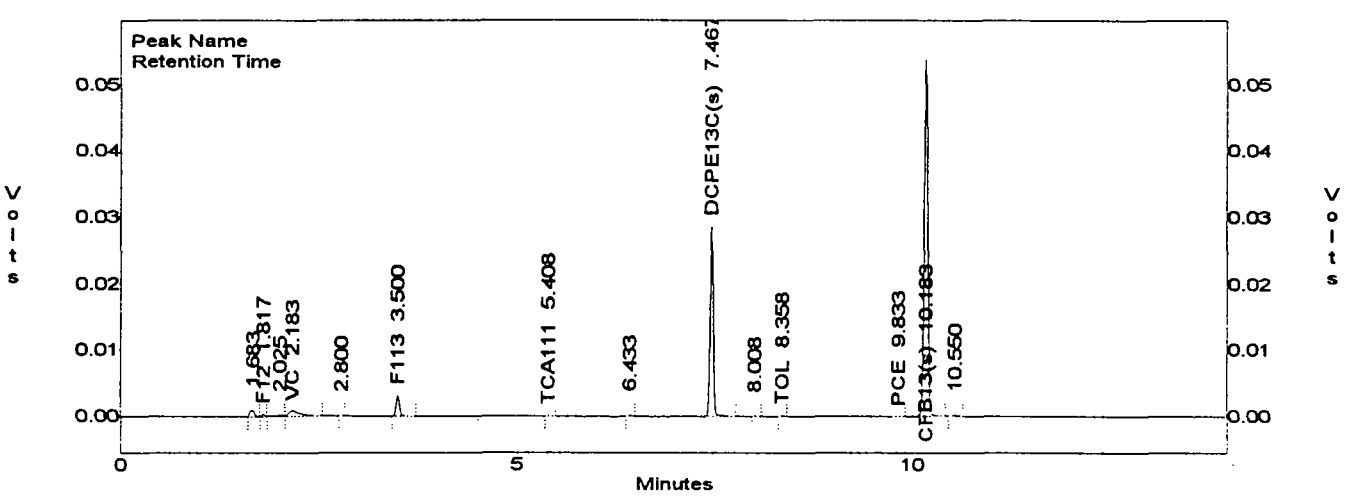
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.098
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-6
Acquired : Nov 17, 1995 13:19:39
Printed : Nov 17, 1995 13:39:07
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.350	381	0.229	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
2	DCPE13C(s)	10.633	119911	897.845	0
3		10.883	517	0.000	0
4	TOL	11.217	320	0.083	0
5	PCE	12.292	2217	1.154	0
6	CFB13(s)	13.458	447305	922.008	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
7		17.008	1030	0.000	0
8		17.708	17542	0.000	0
9		17.875	631	0.000	0
10		18.292	455	0.000	0
11		18.433	1643	0.000	0
12		18.583	734	0.000	0
13		18.717	5865	0.000	0
Totals :			598555	1821.319	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.098
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-6
Acquired : Nov 17, 1995 13:19:39
Printed : Nov 17, 1995 13:39:11
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.683	4334	0.000	0
2	F12	1.817	756	8.233	0
3		2.025	1937	0.000	0
4	VC	2.183	8828	14.233	0
--	CLET	2.475	0	0.000	0
5		2.800	224	0.000	0
--	F11	2.917	0	0.000	0
--	11DCE	3.275	0	0.000	0
--	DCM	3.358	0	0.000	0
6	F113	3.500	10055	50.329	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
7	TCA111	5.408	292	0.925	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
8		6.433	629	0.000	0
--	TCE	6.642	0	0.000	0
9	DCPE13C(s)	7.467	80450	1067.178	0
10		8.008	232	0.000	0
--	TCA112	8.158	0	0.000	0
11	TOL	8.358	466	0.314	0
12	PCE	9.833	283	1.116	0
13	CFB13(s)	10.183	175548	1076.592	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.098
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-6
Acquired : Nov 17, 1995 13:19:39
Printed : Nov 17, 1995 13:39:13
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
14		10.550	736	0.000	0
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

284776	2218.920	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: 5627-12 | Probe Depth (ft): 12'

Time Sampled: 13:26 | Sampled by: WM

Date Sampled: 11-17-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy | Ground Surface: Grass

Air Temp. (F): 71.6°F | Wind dir/speed: 0-3 mph SW

Sample Parameters

Probe Volume (ml): 225 | Max. Purge Vacuum (in. Hg): 14

Purge Volume (liters): .75 | Equilibrium Time: :01

Purge Time (min.): :02 | Sample Volume (ml): 20mL

Notes: 10 ppm FID | Syringe ID: A B

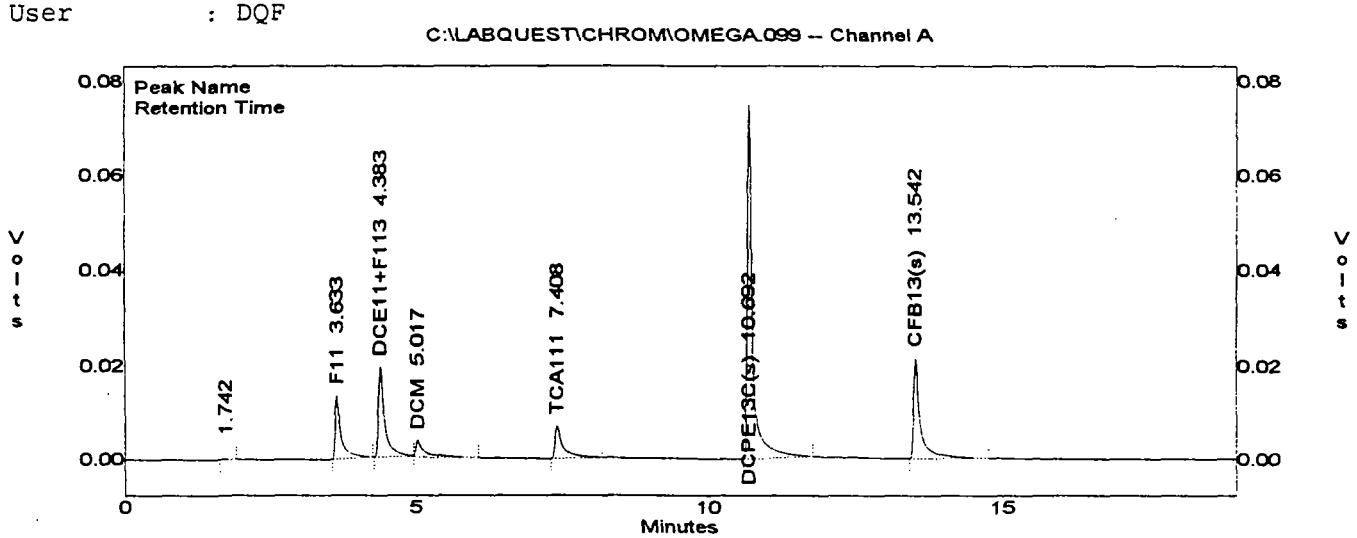
Analytical Summary

Chemist: DSF | Volume Analyzed: 1mL

Recd. Date: 11/17/95 Time: 13:30 | Time Injected: 13:40 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride	↓		Benzene	↓	
Chloroethane	↓		Toluene	↓	
Freon 11	24		Ethylbenzene	↓	
Dichloromethane	10		m/p-Xylene	↓	
t-12DCE	<1		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	63	
111TCA	21				
Carbon Tetrachloride	<1				
12DCA	↓				
TCE	↓				
112TCA	↓		% Surr. 1, ELCD	63	
PCE	↓		% Surr. 2, ELCD	39	
1112PCA	↓		% Surr. 1, PID	89	
1122PCA	↓		% Surr. 2, PID	91	
			% Surr. 1, FID	108	
			% Surr. 2, FID	108	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.099
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-12
Acquired : Nov 17, 1995 13:43:59
Printed : Nov 17, 1995 14:03:25
User : DQF



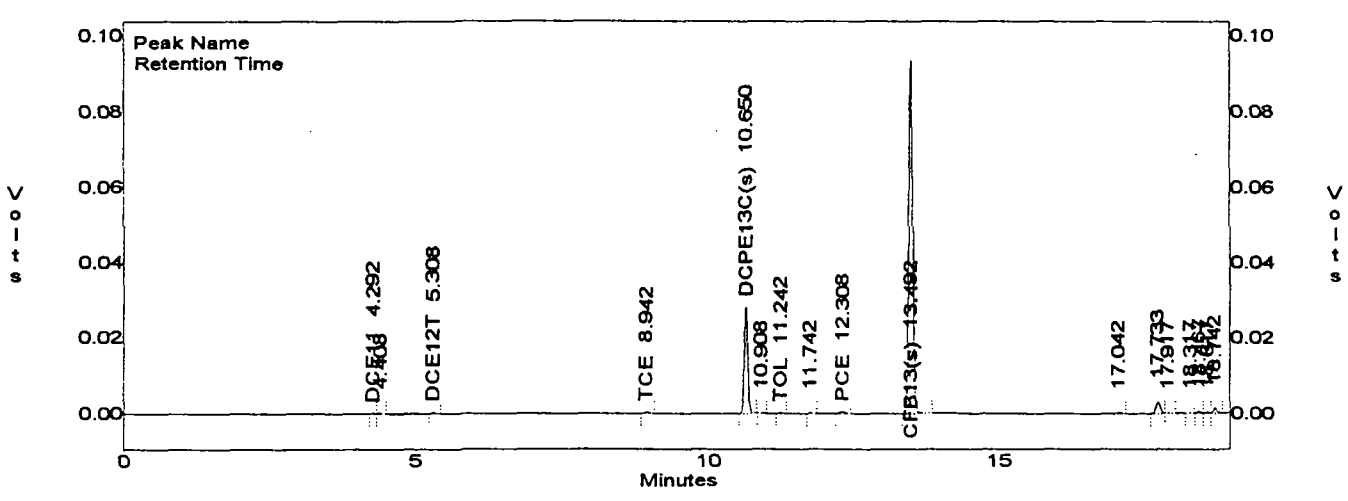
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.742	1408	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.633	96378	13.309	0
3	DCE11+F113	4.383	147062	29.383	0
4	DCM	5.017	39806	6.944	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
5	TCA111	7.408	64471	9.001	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
6	DCPE13C(s)	10.692	493989	633.256	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
7	CFB13(s)	13.542	177160	388.895	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

1020277	1080.788	

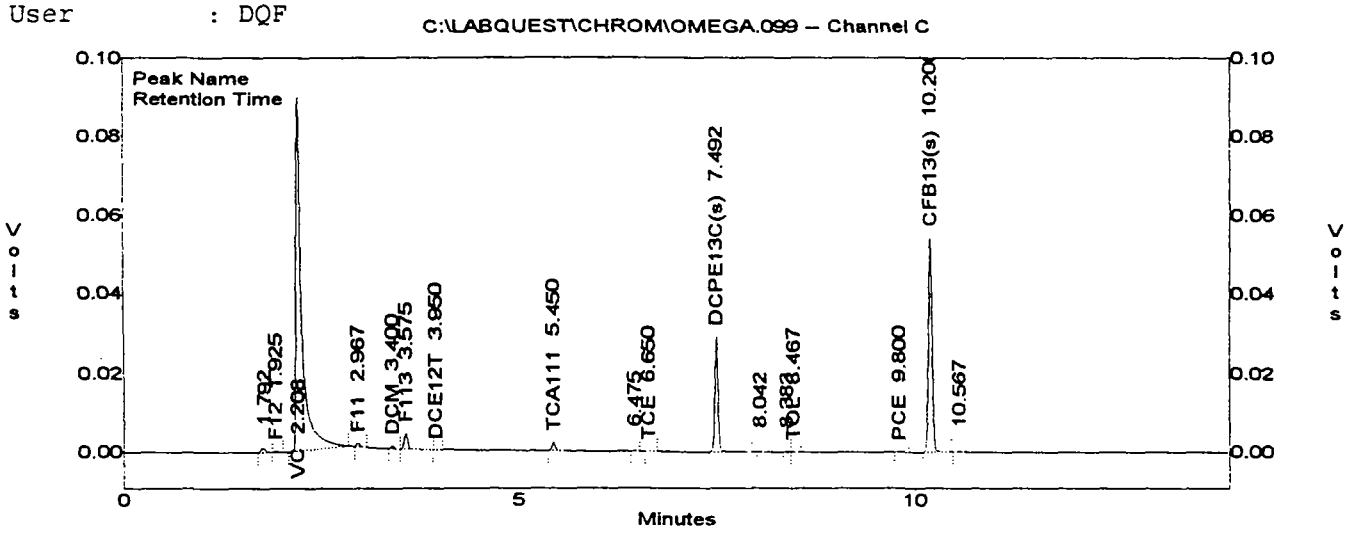
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.099
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-12
Acquired : Nov 17, 1995 13:43:59
Printed : Nov 17, 1995 14:03:29
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.292	555	0.333	0
2		4.408	827	0.000	0
3	DCE12T	5.308	1511	0.404	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
4	TCE	8.942	1694	0.713	0
5	DCPE13C(s)	10.650	118600	888.029	0
6		10.908	549	0.000	0
7	TOL	11.242	461	0.119	0
8		11.742	319	0.000	0
9	PCE	12.308	3168	1.650	0
10	CFB13(s)	13.492	441155	909.332	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
11		17.042	969	0.000	0
12		17.733	17337	0.000	0
13		17.917	672	0.000	0
14		18.317	456	0.000	0
15		18.467	1845	0.000	0
16		18.617	870	0.000	0
17		18.742	5634	0.000	0
Totals :			596629	1800.580	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.099
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-12
Acquired : Nov 17, 1995 13:43:59
Printed : Nov 17, 1995 14:03:33
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.792	5054	0.000		0
2	F12	1.925	812	8.842		0
3	VC	2.208	457847	738.140		0
--	CLET	2.475	0	0.000		0
4	F11	2.967	2499	23.731		0
--	11DCE	3.275	0	0.000		0
5	DCM	3.400	2247	10.090		0
6	F113	3.575	12489	62.511		0
7	DCE12T	3.950	284	0.716		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
--	DCA12	5.242	0	0.000		0
8	TCA111	5.450	6564	20.741		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
9		6.475	604	0.000		0
10	TCE	6.650	339	1.082		0
11	DCPE13C(s)	7.492	81284	1078.241		0
12		8.042	215	0.000		0
--	TCA112	8.158	0	0.000		0
13		8.383	643	0.000		0
14	TOL	8.467	301	0.203		0
15	PCE	9.800	471	1.857		0
16	CFB13(s)	10.200	175974	1079.205		0
17		10.567	615	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.099
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG27-12
Acquired : Nov 17, 1995 13:43:59
Printed : Nov 17, 1995 14:03:35
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

748246 3025.358

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB26-6	Probe Depth (ft): 6'
Time Sampled: 13:55	Sampled by: DM
Date Sampled: 11/7/95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: Hazy	Ground Surface: Concrete
Air Temp. (F): 70-90F	Wind dir/speed: calm

Sample Parameters

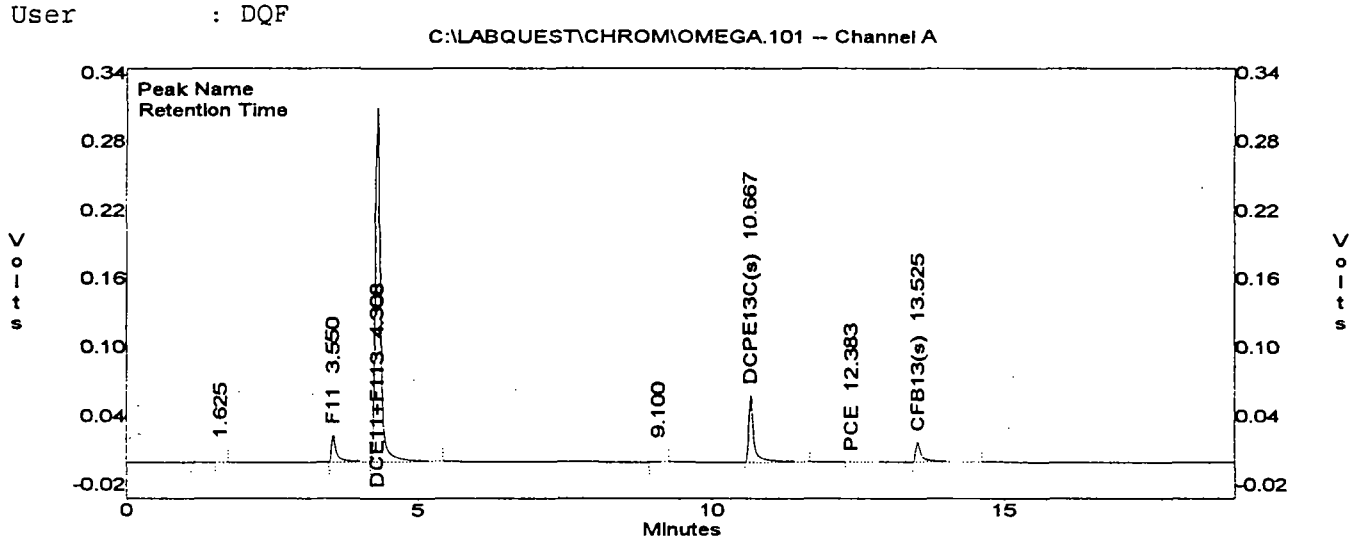
Probe Volume (ml): 225	Max. Purge Vacuum (in. Hg): 13
Purge Volume (liters): .5	Equilibrium Time: :02
Purge Time (min.): :03	Sample Volume (ml): 30ml
Notes: 130 ppm	Syringe ID: A B

Analytical Summary

Chemist: DQF	Volume Analyzed: 1mL
Recd. Date: 11/7/95 Time: 14:00	Time Injected: 14:06 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	3.7	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	46		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	980	
111TCA	↓				
Carbon Tetrachloride	↓				
12DCA	↓				
TCE	↓				
112TCA	↓		% Surr. 1, ELCD	48	
PCE	4.0		% Surr. 2, ELCD	51	
1112PCA	<1		% Surr. 1, PID	88	
1122PCA	<1		% Surr. 2, PID	90	
			% Surr. 1, FID	107	
			% Surr. 2, FID	107	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.101
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-6
Acquired : Nov 17, 1995 14:08:16
Printed : Nov 17, 1995 14:27:41
User : DQF



Channel A Results

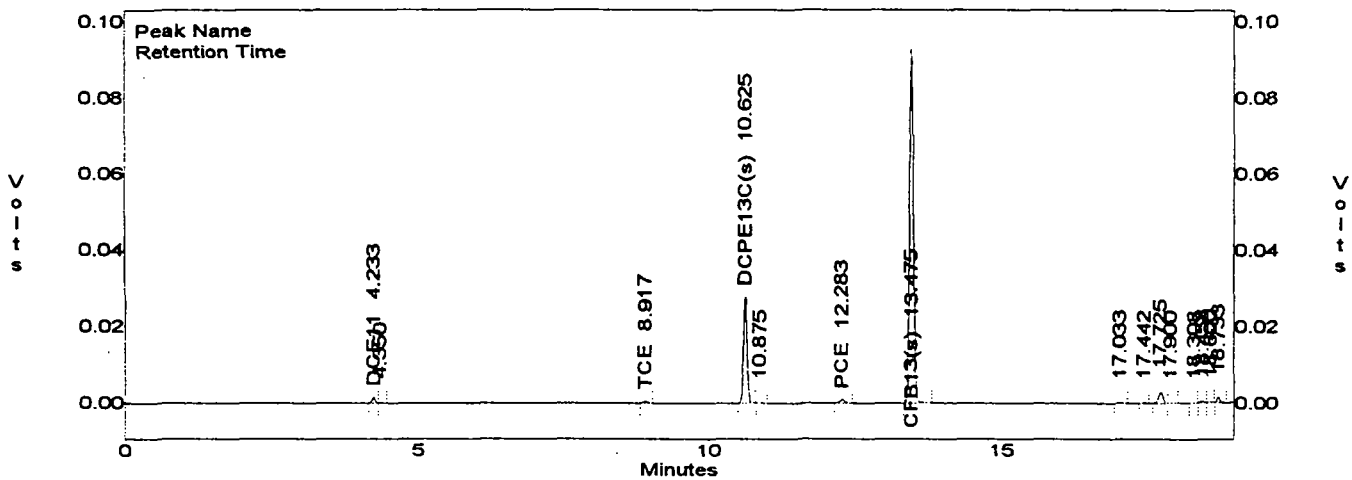
peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	951	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.550	150773	20.821	0
3	DCE11+F113	4.308	1952766	390.158	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
4		9.100	1264	0.000	0
5	DCPE13C(s)	10.667	374498	480.078	0
--	TCA112	12.117	0	0.000	0
6	PCE	12.383	5381	0.645	0
7	CFB13(s)	13.525	140644	308.736	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

2626279	1200.437	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.101
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-6
Acquired : Nov 17, 1995 14:08:16
Printed : Nov 17, 1995 14:27:45
User : DQF

C:\LABQUEST\CHROM\OMEGA.101 — Channel B

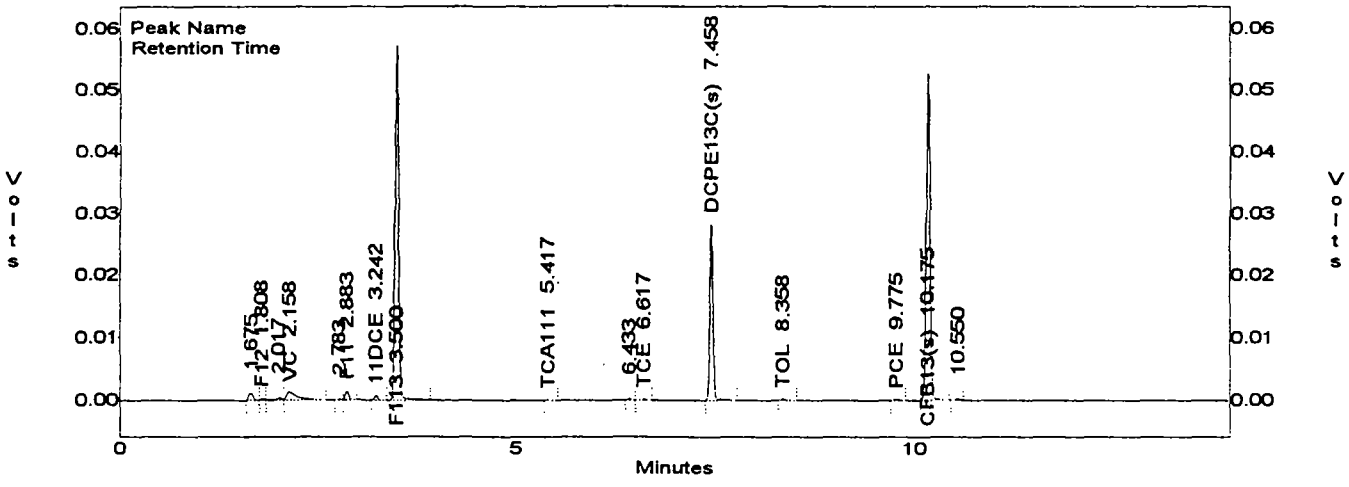


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.233	6106	3.659	0
2		4.350	650	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
3	TCE	8.917	2585	1.088	0
4	DCPE13C(s)	10.625	117254	877.947	0
5		10.875	501	0.000	0
--	TOL	11.242	0	0.000	0
6	PCE	12.283	5487	2.857	0
7	CFB13(s)	13.475	437519	901.836	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
8		17.033	1105	0.000	0
9		17.442	333	0.000	0
10		17.725	16993	0.000	0
11		17.900	655	0.000	0
12		18.308	460	0.000	0
13		18.458	1988	0.000	0
14		18.600	936	0.000	0
15		18.733	5864	0.000	0
Totals :			598439	1787.388	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.101
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-6
Acquired : Nov 17, 1995 14:08:16
Printed : Nov 17, 1995 14:27:49
User : DQF

C:\LABQUEST\CHROM\OMEGA.101 -- Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.675	4739	0.000		0
2	F12	1.808	814	8.874		0
3		2.017	2684	0.000		0
4	VC	2.158	13215	21.306		0
--	CLET	2.475	0	0.000		0
5		2.783	467	0.000		0
6	F11	2.883	4801	45.590		0
7	11DCE	3.242	2287	5.734		0
--	DCM	3.358	0	0.000		0
8	F113	3.500	176751	884.632		0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
--	DCA12	5.242	0	0.000		0
9	TCA111	5.417	371	1.174		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
10		6.433	591	0.000		0
11	TCE	6.617	693	2.209		0
12	DCPE13C(s)	7.458	80456	1067.264		0
--	TCA112	8.158	0	0.000		0
13	TOL	8.358	798	0.537		0
14	PCE	9.775	1010	3.982		0
15	CFB13(s)	10.175	175213	1074.540		0
16		10.550	620	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.101
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-6
Acquired : Nov 17, 1995 14:08:16
Printed : Nov 17, 1995 14:27:51
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

465517	3115.843	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB26-13'
Probe Depth (ft): 13'
Time Sampled: 14:15
Sampled by: DM
Date Sampled: 11-17-95
Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: HAZY
Ground Surface: CONCRETE
Air Temp. (F): 70-75F
Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 225
Max. Purge Vacuum (in. Hg): 20
Purge Volume (liters): .75
Equilibrium Time: 1:02
Purge Time (min.): 1:03
Sample Volume (ml): 20 mL
Notes: PID = 50 ppm
Syringe ID: A B

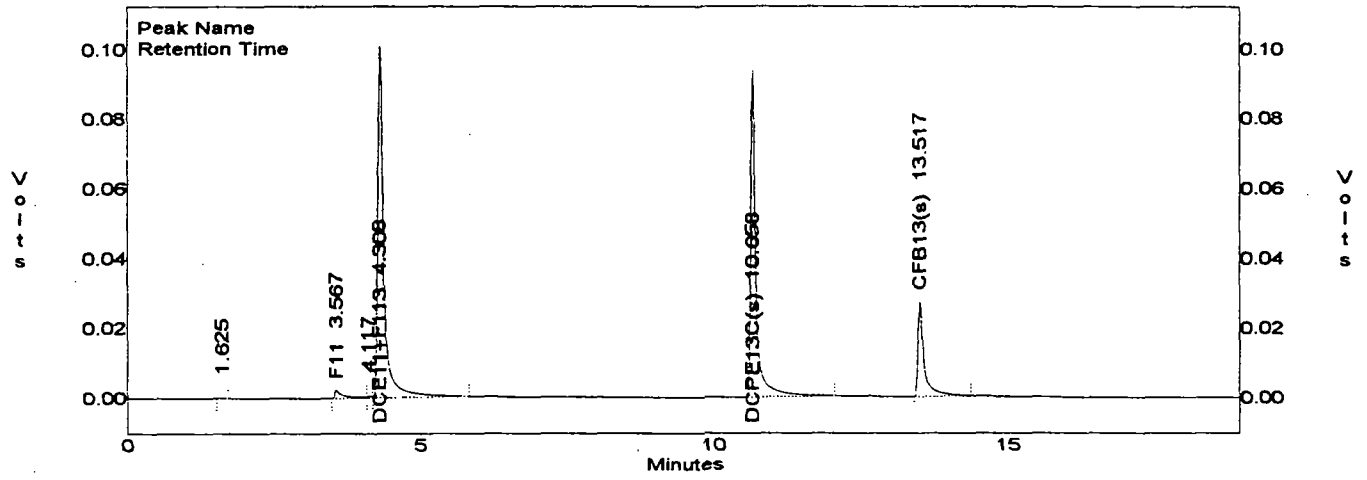
Analytical Summary

Chemist: DBF
Volume Analyzed: 1 mL
Recd. Date: 11/17/95 Time: 14:20
Time Injected: 14:30 Loop #: 14

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	<1	1.0
Vinyl Chloride			Benzene		<1
Chloroethane			Toluene		
Freon 11	15	12	Ethylbenzene		
Dichloromethane	<1	<1	m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	210	205
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	76	56
PCE			% Surr. 2, ELCD	45	26
1112PCA			% Surr. 1, PID	88	87
1122PCA			% Surr. 2, PID	90	89
			% Surr. 1, FID	107	109
			% Surr. 2, FID	107	108

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.102
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13
Acquired : Nov 17, 1995 14:32:34
Printed : Nov 17, 1995 14:52:00
User : DQF

C:\LABQUEST\CHROM\OMEGA.102 -- Channel A



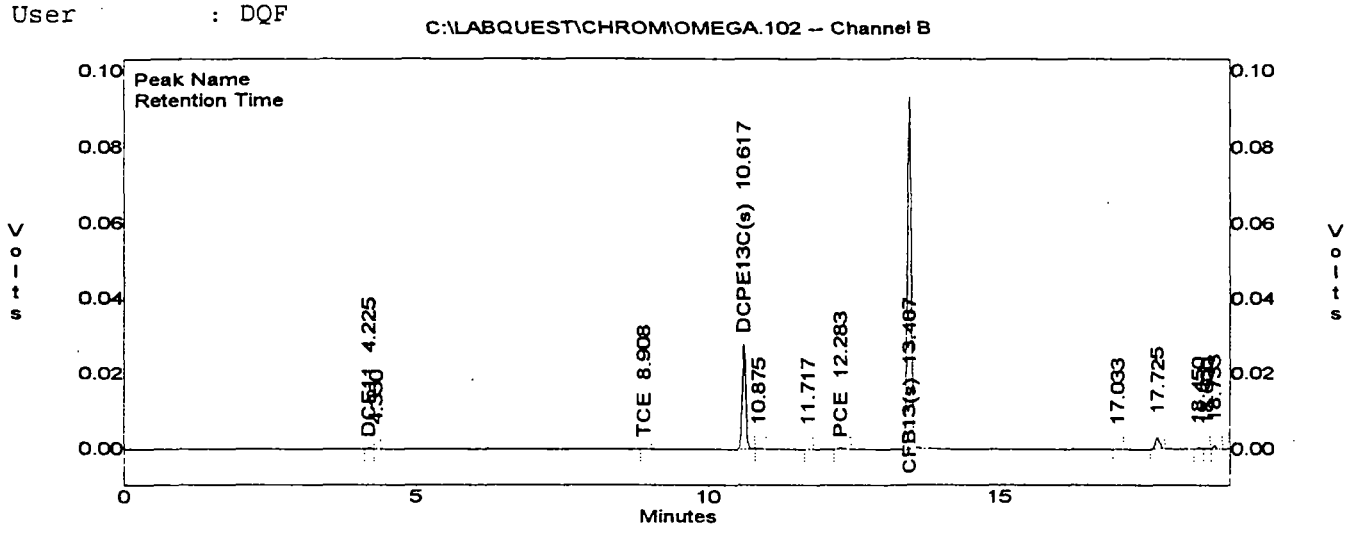
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	746	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.567	22629	3.125	0
3		4.117	2669	0.000	0
4	DCE11+F113	4.308	727700	145.393	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
5	DCPE13C(s)	10.658	592884	760.031	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
6	CFB13(s)	13.517	203380	446.450	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

1550009	1354.999	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.102
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13
Acquired : Nov 17, 1995 14:32:34
Printed : Nov 17, 1995 14:52:04
User : DQF



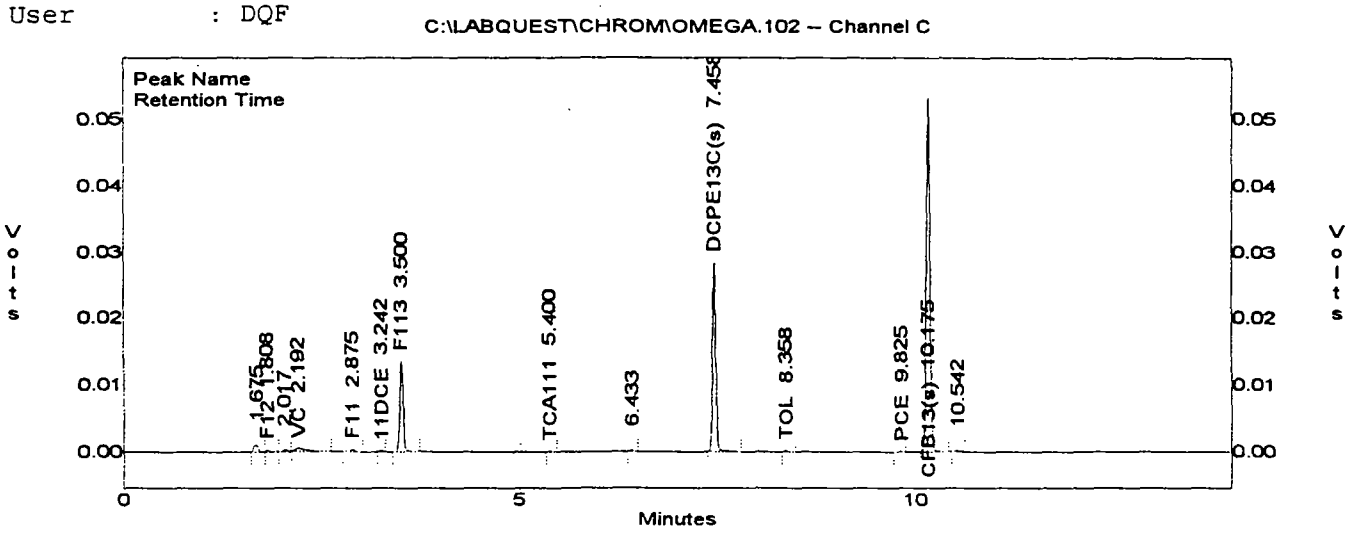
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.225	1462	0.876	0
2		4.350	349	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
3	TCE	8.908	669	0.282	0
4	DCPE13C(s)	10.617	117530	880.018	0
5		10.875	945	0.000	0
--	TOL	11.242	0	0.000	0
6		11.717	307	0.000	0
7	PCE	12.283	2610	1.359	0
8	CFB13(s)	13.467	435894	898.488	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.033	462	0.000	0
10		17.725	16916	0.000	0
11		18.450	1304	0.000	0
12		18.600	593	0.000	0
13		18.733	3315	0.000	0

Totals :

582362	1781.024	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.102
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13
Acquired : Nov 17, 1995 14:32:34
Printed : Nov 17, 1995 14:52:08
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.675	4790	0.000	0
2	F12	1.808	1177	12.818	0
3		2.017	1253	0.000	0
4	VC	2.192	6368	10.266	0
--	CLET	2.475	0	0.000	0
5	F11	2.875	1585	15.048	0
6	11DCE	3.242	528	1.324	0
--	DCM	3.358	0	0.000	0
7	F113	3.500	42213	211.277	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
8	TCA111	5.400	435	1.377	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
9		6.433	629	0.000	0
--	TCE	6.642	0	0.000	0
10	DCPE13C(s)	7.458	80452	1067.211	0
--	TCA112	8.158	0	0.000	0
11	TOL	8.358	702	0.473	0
12	PCE	9.825	377	1.489	0
13	CFB13(s)	10.175	174799	1071.999	0
14		10.542	615	0.000	0
--	PCA1112	10.675	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.102
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13
uired : Nov 17, 1995 14:32:34
ted : Nov 17, 1995 14:52:10
User : DQF

Channel C Results

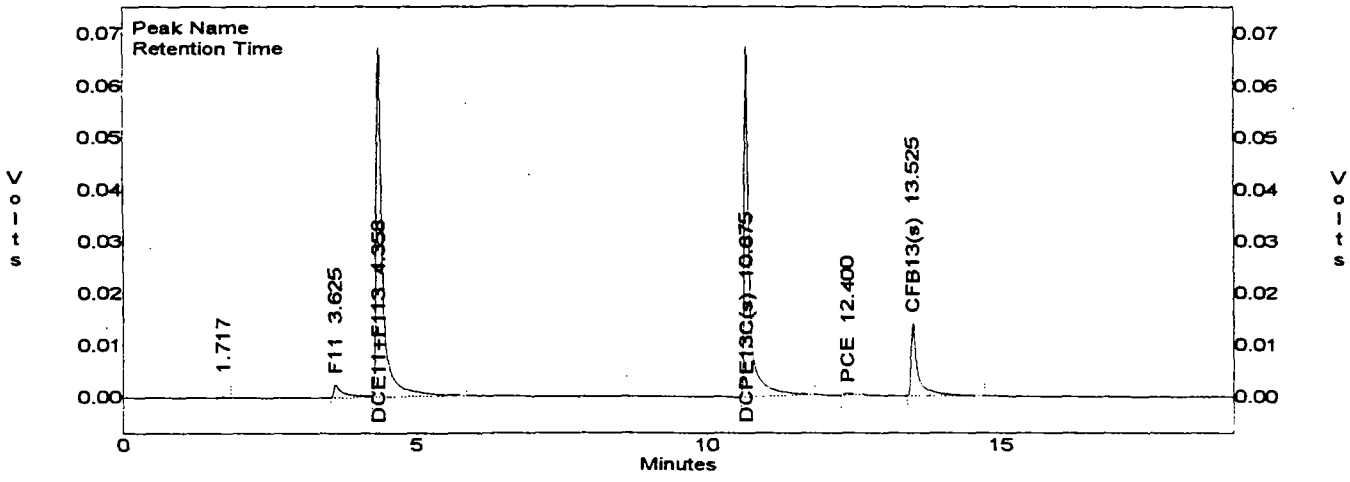
peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	315928	2393.282

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.103
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13D
Acquired : Nov 17, 1995 14:56:41
Printed : Nov 17, 1995 15:16:04
User : DQF

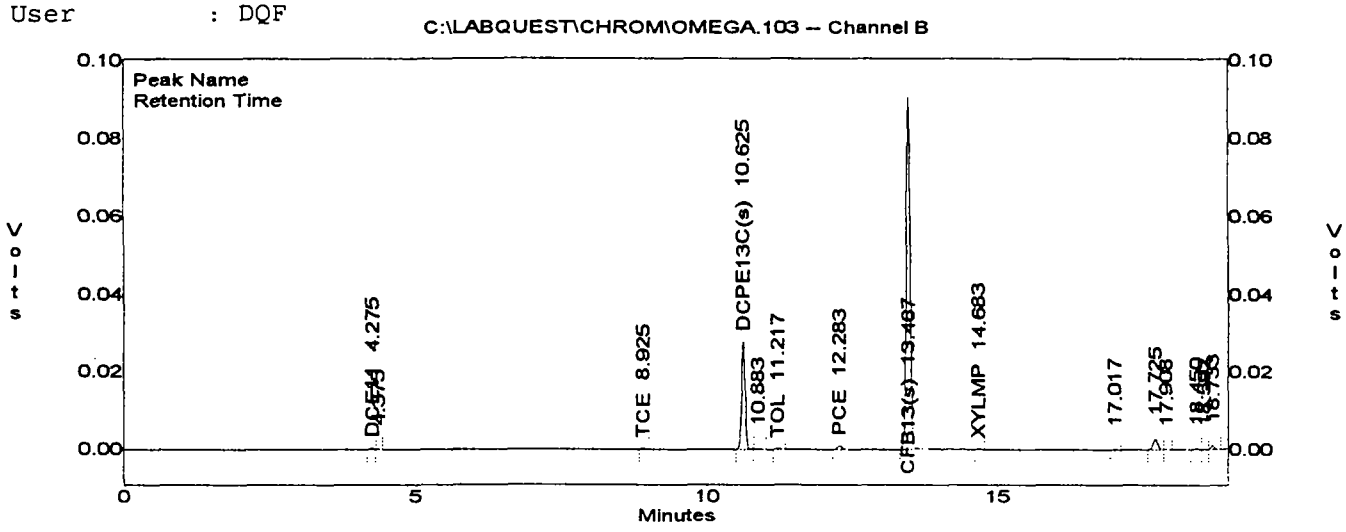
C:\LABQUEST\CHROM\OMEGA.103 – Channel A



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.717	1033	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.625	29207	4.033	0
3	DCE11+F113	4.358	511272	102.151	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
4	DCPE13C(s)	10.675	435327	558.056	0
--	TCA112	12.117	0	0.000	0
5	PCE	12.400	3712	0.445	0
6	CFB13(s)	13.525	117466	257.857	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			1098019	922.542	

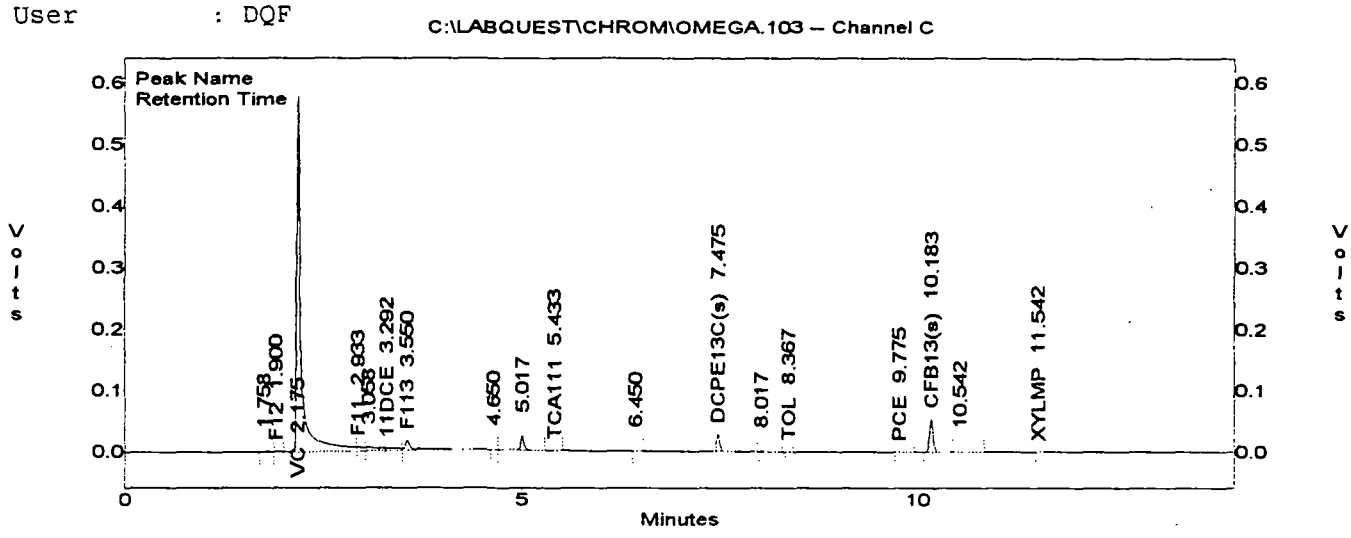
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.103
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13D
Acquired : Nov 17, 1995 14:56:41
Printed : Nov 17, 1995 15:16:08
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.275	1702	1.020	0
2		4.375	421	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
3	TCE	8.925	590	0.248	0
4	DCPE13C(s)	10.625	116625	873.242	0
5		10.883	996	0.000	0
6	TOL	11.217	461	0.119	0
7	PCE	12.283	5466	2.846	0
8	CFB13(s)	13.467	431407	889.239	0
--	EB	14.408	0	0.000	0
9	XYLMP	14.683	322	0.079	0
--	XYLO	15.592	0	0.000	0
10		17.017	498	0.000	0
11		17.725	16513	0.000	0
12		17.908	345	0.000	0
13		18.450	1289	0.000	0
14		18.592	572	0.000	0
15		18.733	3476	0.000	0
Totals :			580690	1766.795	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.103
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13D
Acquired : Nov 17, 1995 14:56:41
Printed : Nov 17, 1995 15:16:12
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.758	4755	0.000		0
2	F12	1.900	797	8.678		0
3	VC	2.175	2314596	3731.590		0
--	CLET	2.475	0	0.000		0
4	F11	2.933	~~39423~~ 1279	~~374.291~~ 12.152		0
5		3.058	61333	0.000		0
6	11DCE	3.292	45048	112.943		0
--	DCM	3.358	0	0.000		0
7	F113	3.550	~~114659~~ 41672	~~573.867~~ 205.568		0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
8		4.650	652	0.000		0
--	CLFM	4.758	0	0.000		0
9		5.017	74330	0.000		0
--	DCA12	5.242	0	0.000		0
10	TCA111	5.433	377	1.191		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
11		6.450	647	0.000		0
--	TCE	6.642	0	0.000		0
12	DCPE13C(s)	7.475	81912	1086.581		0
13		8.017	307	0.000		0
--	TCA112	8.158	0	0.000		0
14	TOL	8.367	484	0.326		0
15	PCE	9.775	1235	4.869		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.103
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG26-13D
uired : Nov 17, 1995 14:56:41
nted : Nov 17, 1995 15:16:14
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
16	CFB13(s)	10.183	176351	1081.521	0
17		10.542	1874	0.000	0
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0
18	XYLMP	11.542	201	0.137	0
--	XYLO	12.233	0	0.000	0

Totals :

2918987	6975.995	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG 28-6 | Probe Depth (ft): 6'

Time Sampled: 12:32 | Sampled by: WM

Date Sampled: 11-17-95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: P Cloudy | Ground Surface: Grass/Soil

Air Temp. (F): 68.9°F | Wind dir/speed: Calm

Sample Parameters

Probe Volume (ml): 150 | Max. Purge Vacuum (in. Hg): 13

Purge Volume (liters): .50 | Equilibrium Time: :01

Purge Time (min.): :07 | Sample Volume (ml): 20mL

Notes: 300 ppm | Syringe ID: A B

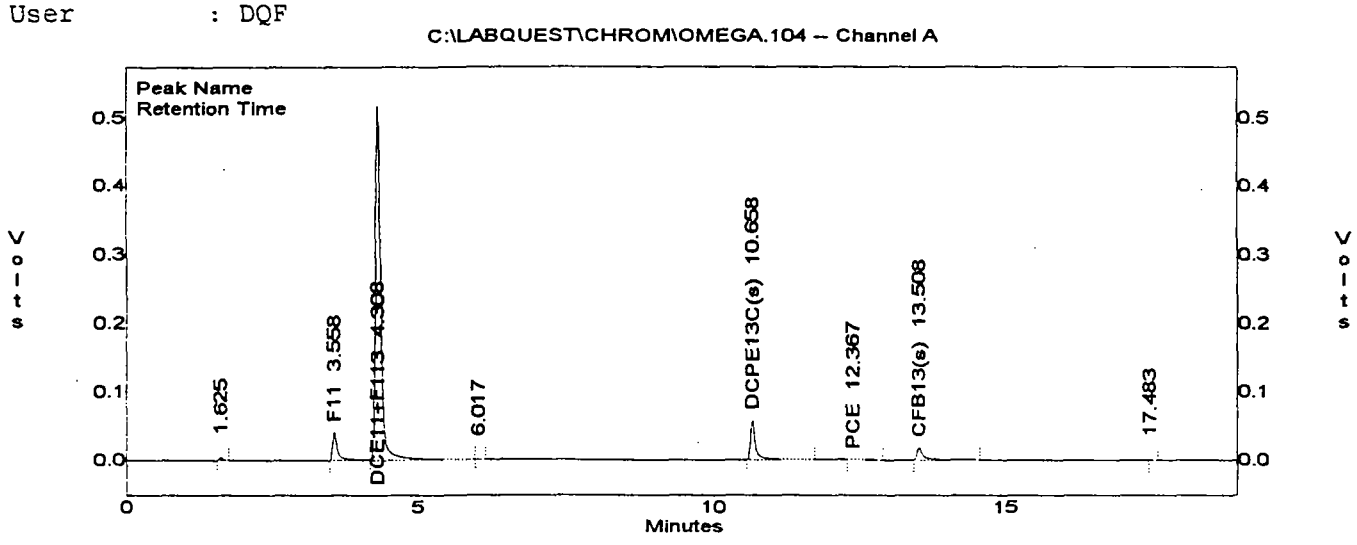
Analytical Summary

Chemist: DQF | Volume Analyzed: 1mL

Recd. Date: 11/17/95 Time: 12:35 | Time Injected: 12:45 Loop #: 5

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	2.8	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	73		Ethylbenzene		
Dichloromethane	<1		m/p-Xylene		
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	1700	
111TCA	↓				
Carbon Tetrachloride	↓				
12DCA	↓				
TCE	↓				
112TCA	↓		% Surr. 1, ELCD	~~96~~ 48	
PCE	3.9		% Surr. 2, ELCD	~~88~~ 32	
1112PCA	<1		% Surr. 1, PID	86	
1122PCA	<1		% Surr. 2, PID	88	
			% Surr. 1, FID	106	
			% Surr. 2, FID	106	

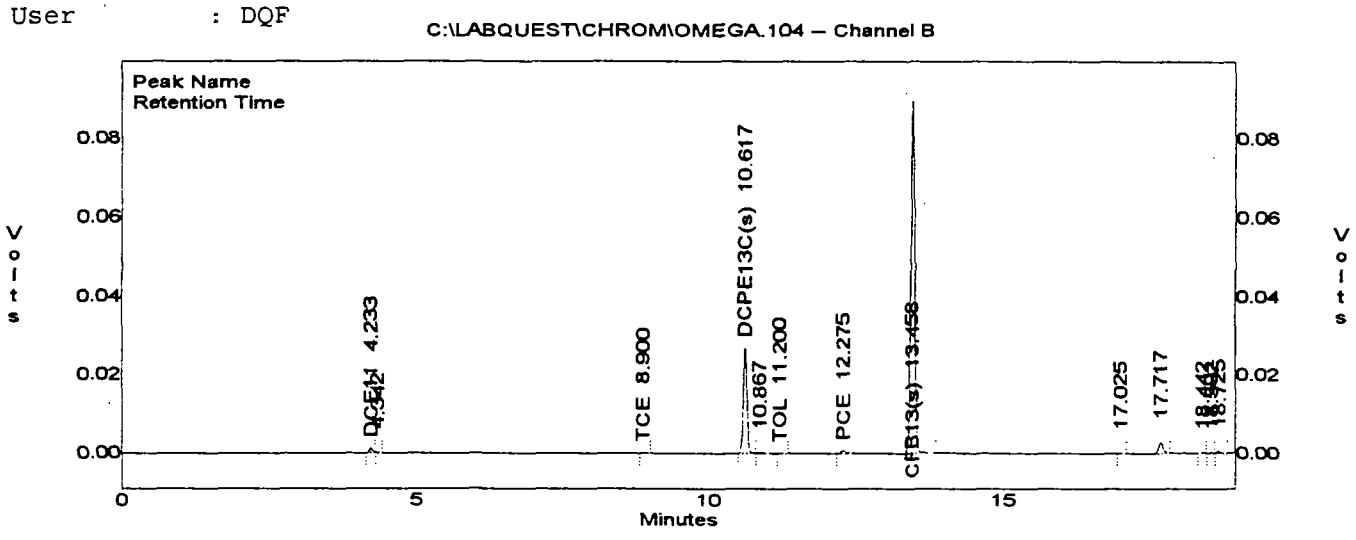
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.104
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6
Acquired : Nov 17, 1995 15:21:23
Printed : Nov 17, 1995 15:40:49
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.625	13461	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.558	255117	35.231	0
3	DCE11+F113	4.308	3356979	670.716	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
4		6.017	785	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
5	DCPE13C(s)	10.658	371776	476.588	0
--	TCA112	12.117	0	0.000	0
6	PCE	12.367	4439	0.532	0
7	CFB13(s)	13.508	145005	318.310	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
8		17.483	1368	0.000	0
Totals :			4148933	1501.376	

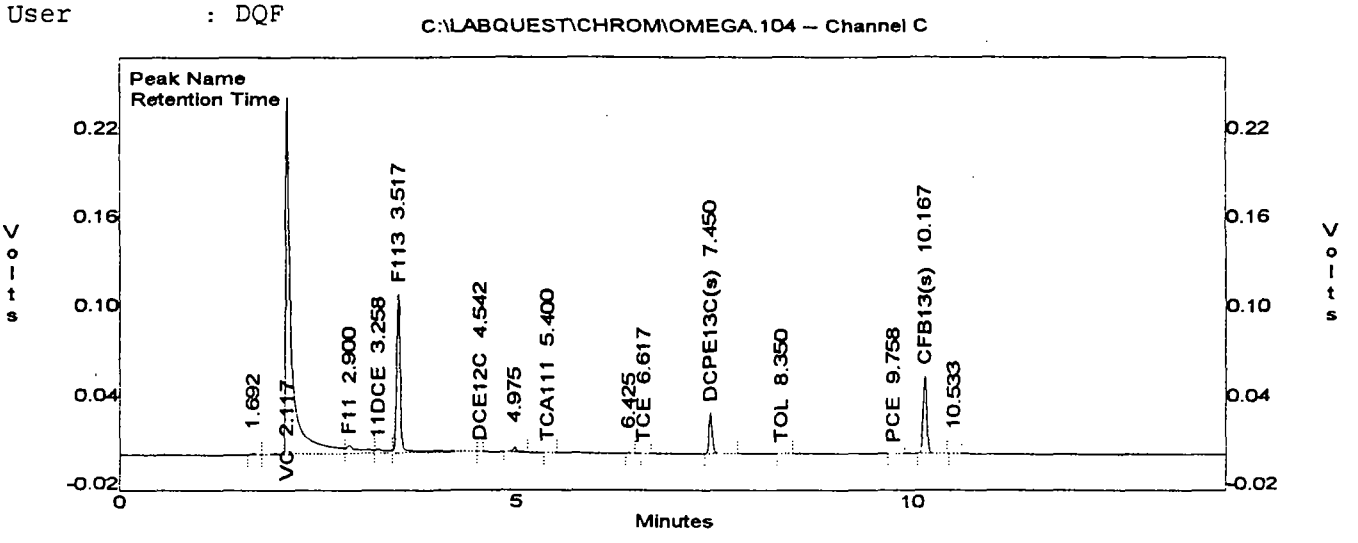
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.104
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6
Acquired : Nov 17, 1995 15:21:23
Printed : Nov 17, 1995 15:40:53
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.233	4722	2.830	0
2		4.342	528	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
3	TCE	8.900	637	0.268	0
4	DCPE13C(s)	10.617	114337	856.107	0
5		10.867	1072	0.000	0
6	TOL	11.200	346	0.090	0
7	PCE	12.275	4628	2.410	0
8	CFB13(s)	13.458	424690	875.394	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		17.025	343	0.000	0
10		17.717	16198	0.000	0
11		18.442	841	0.000	0
12		18.592	462	0.000	0
13		18.725	2149	0.000	0
Totals :			570957	1737.098	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.104
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6
Acquired : Nov 17, 1995 15:21:23
Printed : Nov 17, 1995 15:40:57
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.692	4069	0.000		0
--	F12	1.908	0	0.000		0
2	VC	2.117	1239084	1997.650		0
--	CLET	2.475	7656	0.000		0
3	F11	2.900	~~69370~~	~~658.619~~	72.692	0
4	11DCE	3.258	~~27170~~ 1582	~~68.121~~	3.967	0
--	DCM	3.358	0	0.000		0
5	F113	3.517	~~386815~~ 329778	~~1935.996~~	1650.529	0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
6	DCE12C	4.542	231	0.571		0
--	CLFM	4.758	0	0.000		0
7		4.975	9423	0.000		0
--	DCA12	5.242	0	0.000		0
8	TCA111	5.400	493	1.559		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
9		6.425	553	0.000		0
10	TCE	6.617	218	0.696		0
11	DCPE13C(s)	7.450	79695	1057.166		0
--	TCA112	8.158	0	0.000		0
12	TOL	8.350	884	0.595		0
13	PCE	9.758	977	3.852		0
14	CFB13(s)	10.167	172598	1058.504		0
15		10.533	536	0.000		0
--	PCA1112	10.675	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.104
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG28-6
Acquired : Nov 17, 1995 15:21:23
Printed : Nov 17, 1995 15:40:59
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	1992121	6783.328

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG-16-24	Probe Depth (ft): 24'
Time Sampled: 15:40	Sampled by: DM
Date Sampled: 11.17.95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: HAZY	Ground Surface: CONCRETE
Air Temp. (F): 68.7	Wind dir/speed: CALM

Sample Parameters

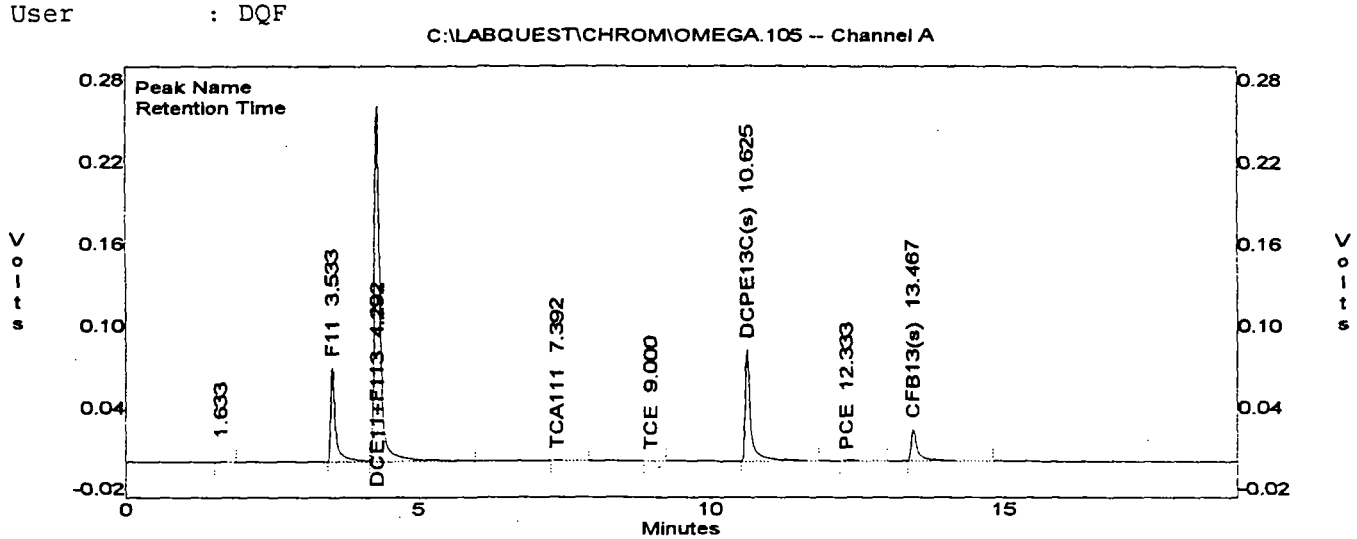
Probe Volume (ml): 375	Max. Purge Vacuum (in. Hg): 24
Purge Volume (liters): 1.25 L	Equilibrium Time: 4 MIN
Purge Time (min.): :45	Sample Volume (ml): 20
Notes: 75 ppm FID	Syringe ID: A ____ B ____

Analytical Summary

Chemist: DCF	Volume Analyzed: 1 mL
Recd. Date: 11/17/95 Time: 15:41	Time Injected: 15:44 Loop #: #1

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	23	
Vinyl Chloride	↓		Benzene	<1	
Chloroethane	↓		Toluene	↓	
Freon 11	100		Ethylbenzene	↓	
Dichloromethane	<1		m/p-Xylene	↓	
t-12DCE	↓		o-Xylene	↓	
11DCA	↓				
c-12DCE	↓				
Chloroforme	↓		Freon 113	540	
111TCA	4.0				
Carbon Tetrachloride	<1				
12DCA	<1				
TCE	2.7				
112TCA	<1		% Surr. 1, ELCD	70	
PCE	4.9		% Surr. 2, ELCD	43	
1112PCA	<1		% Surr. 1, PID	85	
1122PCA	<1		% Surr. 2, PID	87	
			% Surr. 1, FID	106	
			% Surr. 2, FID	106	

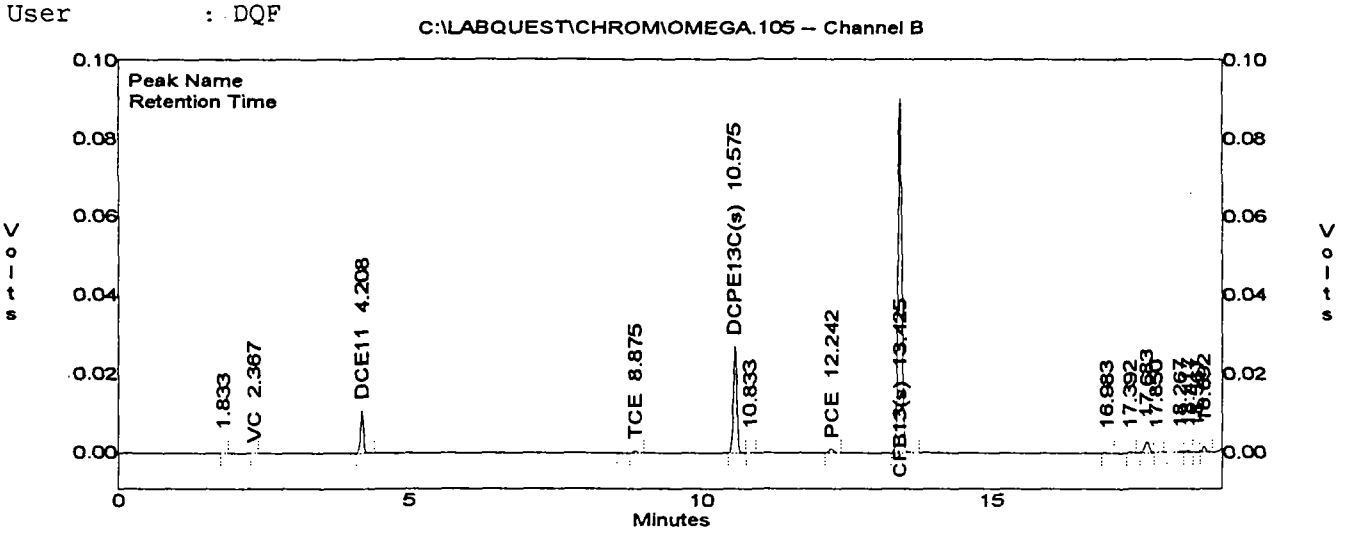
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.105
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-24
Acquired : Nov 17, 1995 15:47:19
Printed : Nov 17, 1995 16:06:54
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.633	2688	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.533	426923	58.957	0
3	DCE11+F113	4.292	1786811	357.000	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
4	TCA111	7.392	6738	0.941	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
5	TCE	9.000	2688	0.376	0
6	DCPE13C(s)	10.625	549644	704.601	0
--	TCA112	12.117	0	0.000	0
7	PCE	12.333	10305	1.235	0
8	CFB13(s)	13.467	195867	429.959	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			2981668	1553.068	

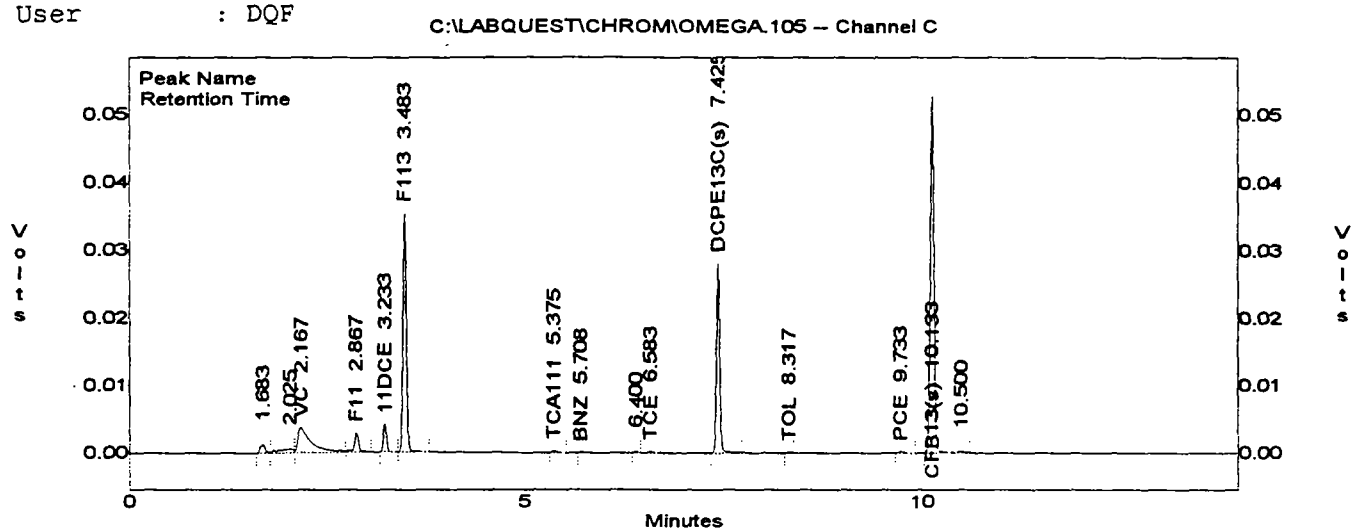
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.105
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-24
Acquired : Nov 17, 1995 15:47:19
Printed : Nov 17, 1995 16:06:58
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.833	326	0.000	0
2	VC	2.367	308	0.426	0
3	DCE11	4.208	38938	23.332	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
4	TCE	8.875	3078	1.296	0
5	DCPE13C(s)	10.575	113640	850.887	0
6		10.833	562	0.000	0
--	TOL	11.242	0	0.000	0
7	PCE	12.242	5625	2.929	0
8	CFB13(s)	13.425	423078	872.071	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		16.983	1028	0.000	0
10		17.392	300	0.000	0
11		17.683	16094	0.000	0
12		17.850	691	0.000	0
13		18.267	1127	0.000	0
14		18.417	2471	0.000	0
15		18.567	941	0.000	0
16		18.692	5982	0.000	0
Totals :			614195	1750.942	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.105
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-24
Acquired : Nov 17, 1995 15:47:19
Printed : Nov 17, 1995 16:07:02
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.683	5928	0.000		0
--	F12	1.908	0	0.000		0
2		2.025	7855	0.000		0
3	VC	2.167	44057	71.029	X	0
--	CLET	2.475	0	0.000		0
4	F11	2.867	11012	104.559	✓	0
5	11DCE	3.233	11973	30.018	✓	0
--	DCM	3.358	0	0.000		0
6	F113	3.483	107111	536.087	✓	0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
--	DCA12	5.242	0	0.000		0
7	TCA111	5.375	1250	3.951	✓	0
8	BNZ	5.708	209	0.140		0
--	CBTC	5.875	0	0.000		0
9		6.400	568	0.000		0
10	TCE	6.583	850	2.709	✓	0
11	DCPE13C(s)	7.425	79705	1057.295		0
--	TCA112	8.158	0	0.000		0
12	TOL	8.317	495	0.333		0
13	PCE	9.733	1241	4.893		0
14	CFB13(s)	10.133	172554	1058.236		0
15		10.500	715	0.000		0
--	PCA1112	10.675	0	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.105
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG16-24
Acquired : Nov 17, 1995 15:47:19
Printed : Nov 17, 1995 16:07:04
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	445528	2869.250

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SB31-3.5 | Probe Depth (ft): 3.5

Time Sampled: 1605 | Sampled by: Win

Date Sampled: 11/17/95 | Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: CLEAR | Ground Surface: CONCRETE

Air Temp. (F): 68.9 | Wind dir/speed: CALM

Sample Parameters

Probe Volume (ml): 75 | Max. Purge Vacuum (in. Hg): 24

Purge Volume (liters): .25 | Equilibrium Time: :04

Purge Time (min.): :02 | Sample Volume (ml): 20mL

Notes: 50 ppm FID | Syringe ID: A B

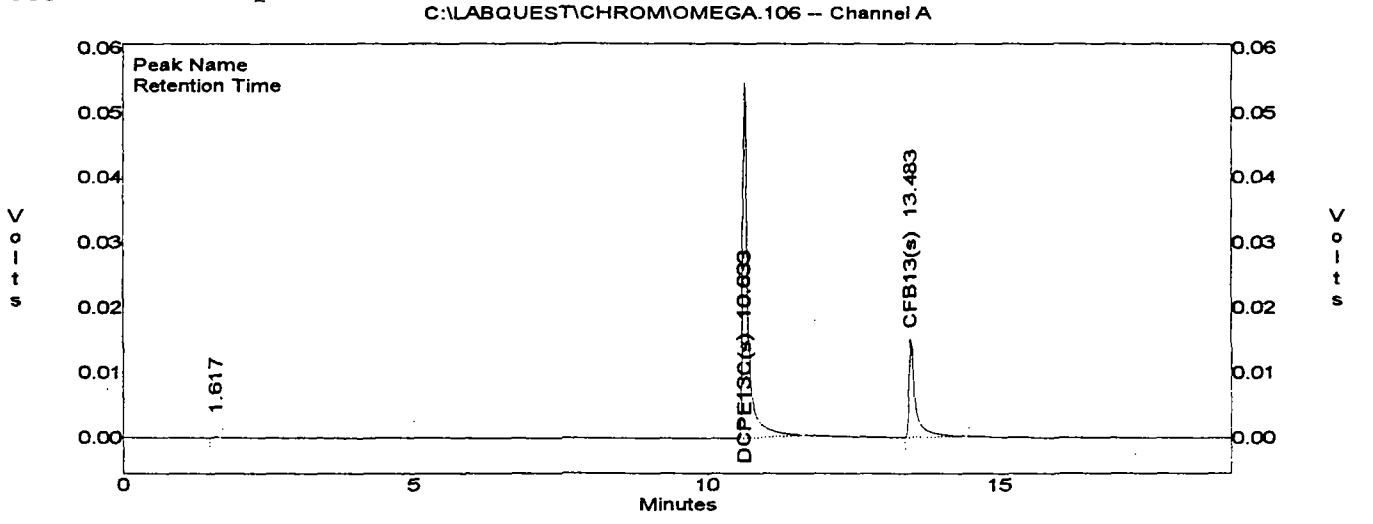
Analytical Summary

Chemist: DQF | Volume Analyzed: 1mL

Recd. Date: 11/17/95 Time: 16:08 | Time Injected: 16:10 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1		11DCE	<1	
Vinyl Chloride			Benzene		
Chloroethane			Toluene		
Freon 11			Ethylbenzene		
Dichloromethane			m/p-Xylene		
t-12DCE			o-Xylene		
11DCA					
c-12DCE					
Chloroforme			Freon 113	<1	
111TCA					
Carbon Tetrachloride					
12DCA					
TCE					
112TCA			% Surr. 1, ELCD	46	
PCE			% Surr. 2, ELCD	27	
1112PCA			% Surr. 1, PID	84	
1122PCA			% Surr. 2, PID	86	
			% Surr. 1, FID	105	
			% Surr. 2, FID	104	

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.106
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG31-3.5
Acquired : Nov 17, 1995 16:11:35
Printed : Nov 17, 1995 16:30:57
User : DQF



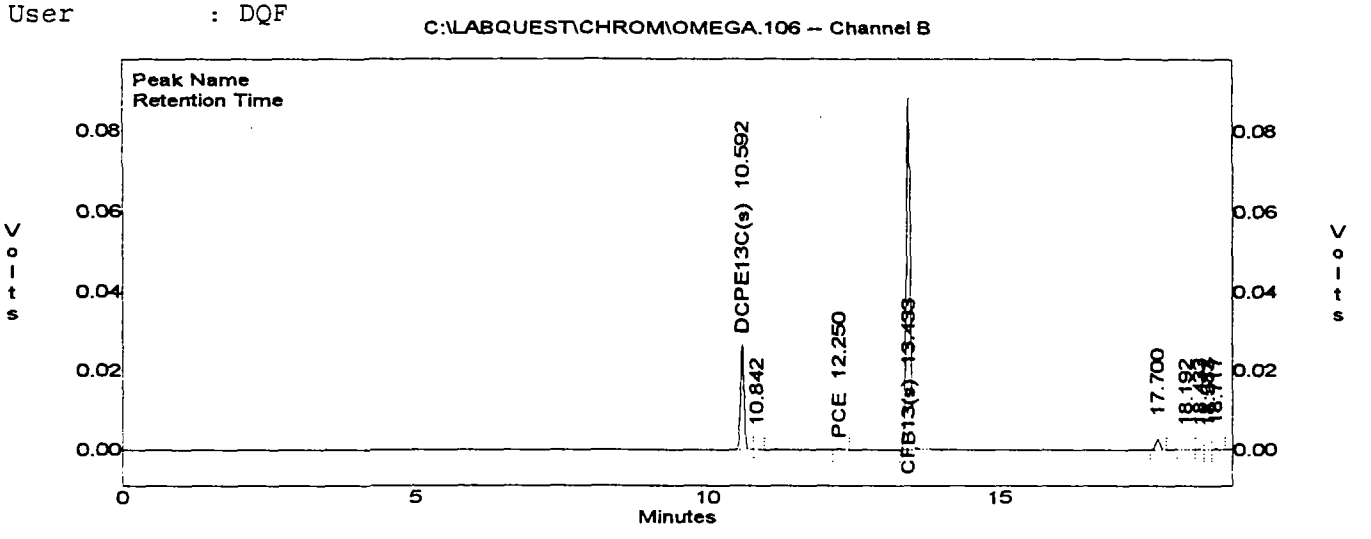
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.617	973	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
--	F11	3.575	0	0.000	0
--	DCE11+F113	4.308	0	0.000	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
2	DCPE13C(s)	10.633	359790	461.223	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
3	CFB13(s)	13.483	121783	267.332	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

482546	728.555	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.106
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG31-3.5
Acquired : Nov 17, 1995 16:11:35
Printed : Nov 17, 1995 16:31:01
User : DQF



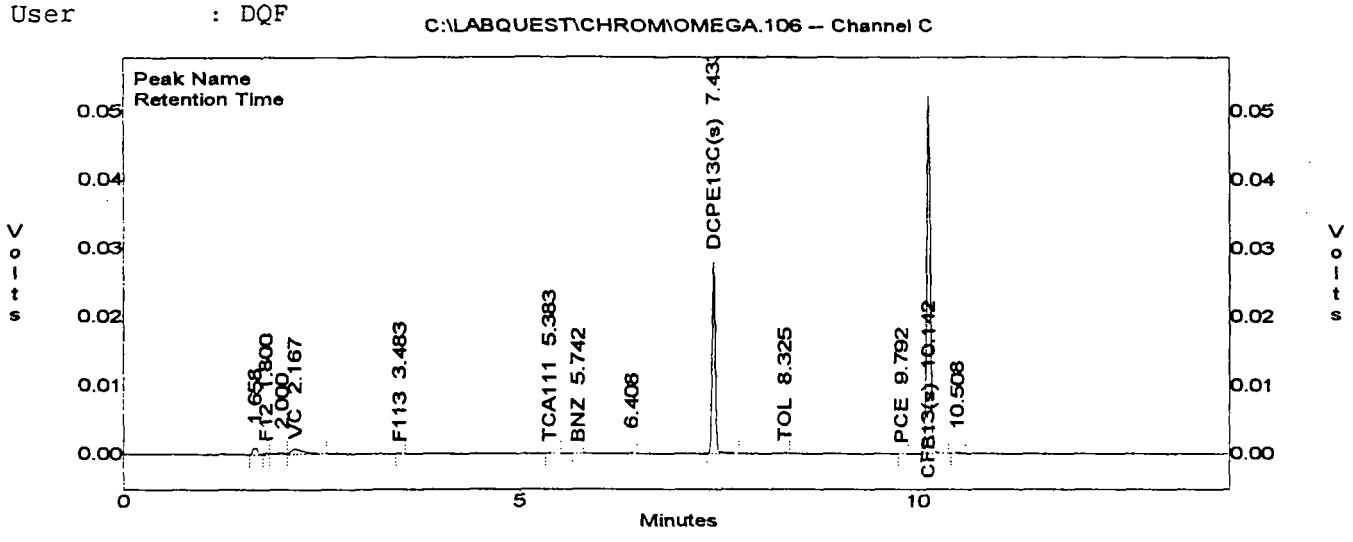
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
--	DCE11	4.258	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.592	112211	840.189	0
2		10.842	499	0.000	0
--	TOL	11.242	0	0.000	0
3	PCE	12.250	1699	0.885	0
4	CFB13(s)	13.433	417123	859.795	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
5		17.700	15353	0.000	0
6		18.192	1268	0.000	0
7		18.433	835	0.000	0
8		18.583	304	0.000	0
9		18.717	1924	0.000	0

Totals :

551218 1700.869

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.106
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG31-3.5
Acquired : Nov 17, 1995 16:11:35
Printed : Nov 17, 1995 16:31:05
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.658	4447	0.000	0
2	F12	1.800	766	8.348	0
3		2.000	1908	0.000	0
4	VC	2.167	8624	13.904	0
--	CLET	2.475	0	0.000	0
--	F11	2.917	0	0.000	0
--	11DCE	3.275	0	0.000	0
--	DCM	3.358	0	0.000	0
5	F113	3.483	369	1.847	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
6	TCA111	5.383	420	1.329	0
7	BNZ	5.742	246	0.164	0
--	CBTC	5.875	0	0.000	0
8		6.408	634	0.000	0
--	TCE	6.642	0	0.000	0
9	DCPE13C(s)	7.433	78828	1045.665	0
--	TCA112	8.158	0	0.000	0
10	TOL	8.325	531	0.358	0
11	PCE	9.792	219	0.865	0
12	CFB13(s)	10.142	170384	1044.927	0
13		10.508	608	0.000	0
--	PCA1112	10.675	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.106
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG31-3.5
quired : Nov 17, 1995 16:11:35
nted : Nov 17, 1995 16:31:07
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

267990 2117.407

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG 4-11a 7	Probe Depth (ft): 11a.7
Time Sampled: 16:36	Sampled by: WM
Date Sampled: 11/17/95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: HAZY	Ground Surface: CONCRETE
Air Temp. (F): 10a.7°F	Wind dir/speed: CALM

Sample Parameters

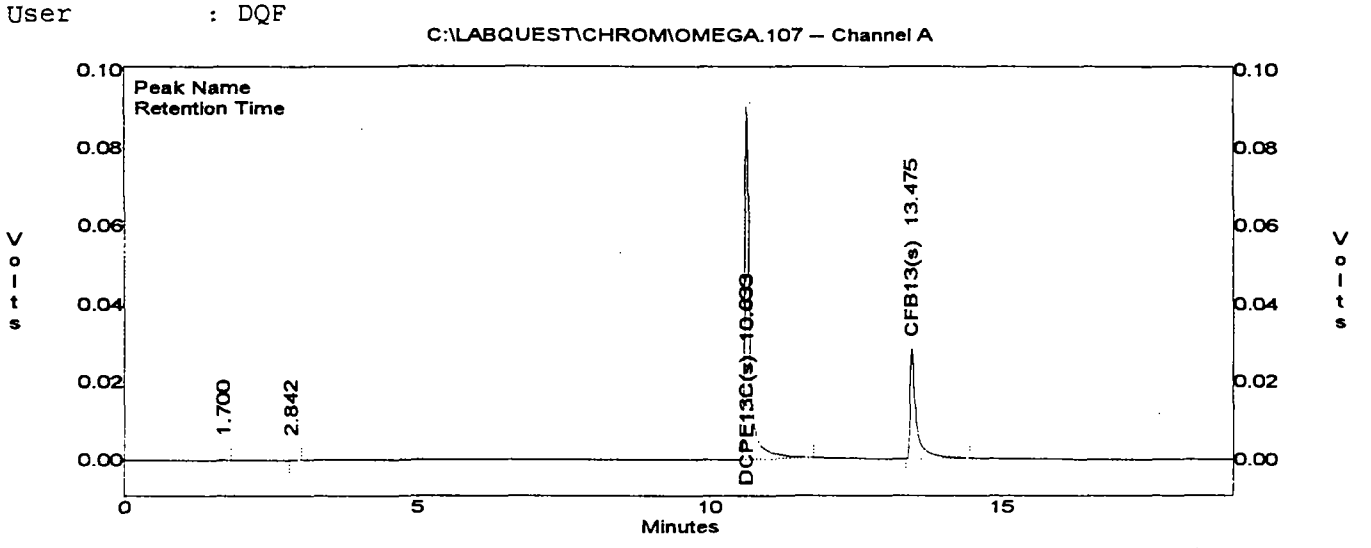
Probe Volume (ml): 300	Max. Purge Vacuum (in. Hg): 23
Purge Volume (liters): 1	Equilibrium Time: :05
Purge Time (min.): :07	Sample Volume (ml): 20mL
Notes: 900 RPM	Syringe ID: A ____ B ____

Analytical Summary

Chemist: DSF	Volume Analyzed: 1mL
Recd. Date: 11/17/95 Time: 16:36	Time Injected: 16:40 Loop #: M

Compound	Concentration (ug/L)	Compound	Concentration (ug/L)
Freon 12	<1	11DCE	<1
Vinyl Chloride		Benzene	
Chloroethane		Toluene	
Freon 11		Ethylbenzene	
Dichloromethane		m/p-Xylene	
t-12DCE		o-Xylene	
11DCA			
c-12DCE			
Chloroforme		Freon 113	<1
111TCA			
Carbon Tetrachloride			
12DCA			
TCE			
112TCA		% Surr. 1, ELCD	73
PCE		% Surr. 2, ELCD	47
1112PCA		% Surr. 1, PID	83
1122PCA		% Surr. 2, PID	84
		% Surr. 1, FID	105
		% Surr. 2, FID	104

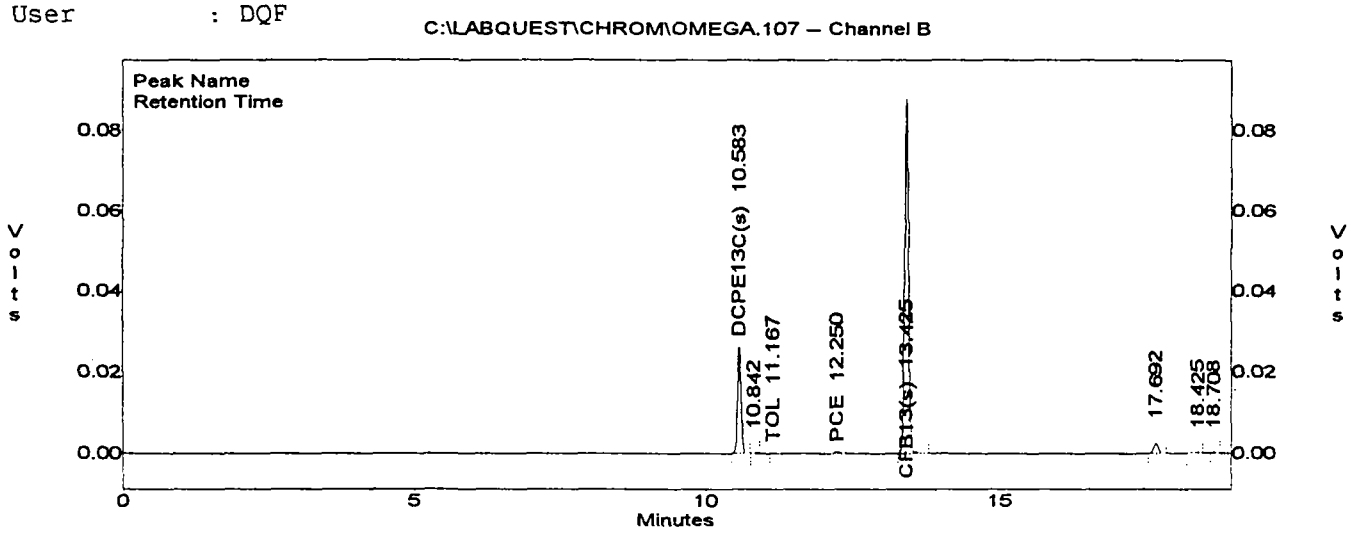
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.107
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-16.7
Acquired : Nov 17, 1995 16:40:18
Printed : Nov 17, 1995 16:59:43
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.700	659	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
2		2.842	1089	0.000	0
--	CLET	3.192	0	0.000	0
--	F11	3.575	0	0.000	0
--	DCE11+F113	4.308	0	0.000	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
3	DCPE13C(s)	10.633	566023	725.597	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
4	CFB13(s)	13.475	216212	474.618	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			783983	1200.215	

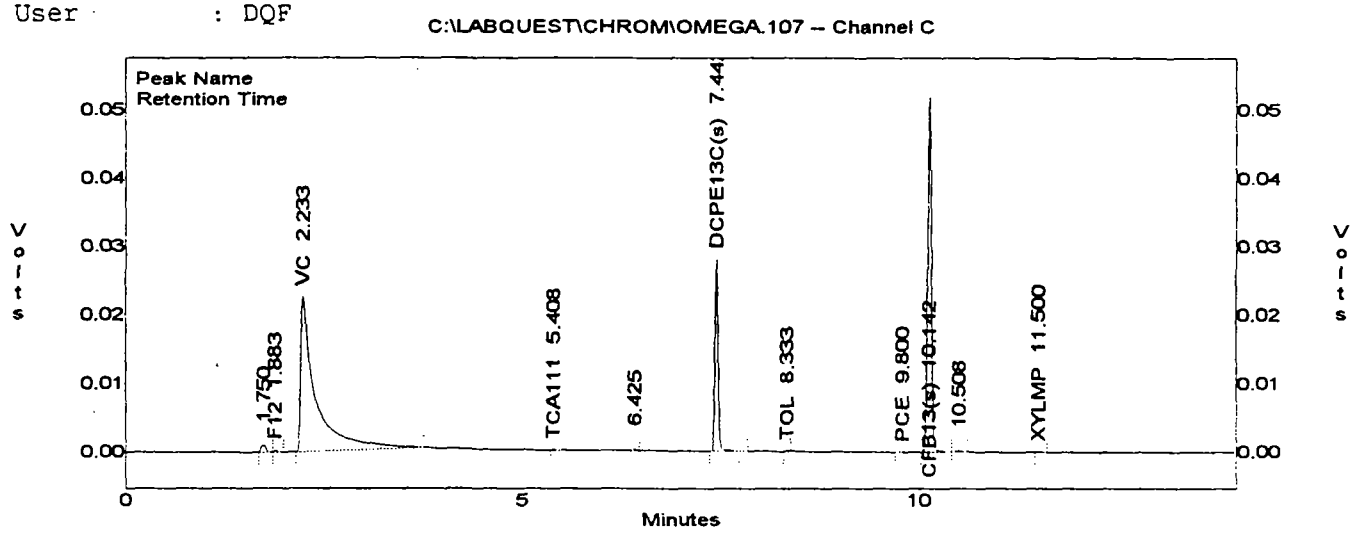
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.107
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-16.7
Acquired : Nov 17, 1995 16:40:18
Printed : Nov 17, 1995 16:59:47
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
--	DCE11	4.258	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.583	110394	826.586	0
2		10.842	490	0.000	0
3	TOL	11.167	444	0.115	0
4	PCE	12.250	1833	0.954	0
5	CFB13(s)	13.425	409252	843.572	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
6		17.692	14504	0.000	0
7		18.425	670	0.000	0
8		18.708	784	0.000	0
Totals :			538372	1671.227	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.107
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-16.7
Acquired : Nov 17, 1995 16:40:18
Printed : Nov 17, 1995 16:59:51
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.750	4416	0.000	0
2	F12	1.883	674	7.339	0
3	VC	2.233	302652	487.936	0
--	CLET	2.475	0	0.000	0
--	F11	2.917	0	0.000	0
--	11DCE	3.275	0	0.000	0
--	DCM	3.358	0	0.000	0
--	F113	3.533	0	0.000	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
4	TCA111	5.408	369	1.168	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
5		6.425	655	0.000	0
--	TCE	6.642	0	0.000	0
6	DCPE13C(s)	7.442	78785	1045.101	0
--	TCA112	8.158	0	0.000	0
7	TOL	8.333	424	0.286	0
8	PCE	9.800	318	1.256	0
9	CFB13(s)	10.142	169467	1039.302	0
10		10.508	853	0.000	0
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.107
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG4-16.7
Acquired : Nov 17, 1995 16:40:18
Printed : Nov 17, 1995 16:59:52
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
11	XYLMP	11.500	202	0.137	0
--	XYLO	12.233	0	0.000	0

Totals :

	558820	2582.525

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name: England & Associates

Project No. : L1231

Sample I.D.: SG 19 -24	Probe Depth (ft): 24'
Time Sampled: 10.15	Sampled by: WM
Date Sampled: 11-17-95	Matrix: (X) SG ( ) Water ( ) Soil

Field Parameters

Weather: OVERCAST	Ground Surface: CONCRETE
Air Temp. (F): 62.4°F	Wind dir/speed: CALM

Sample Parameters

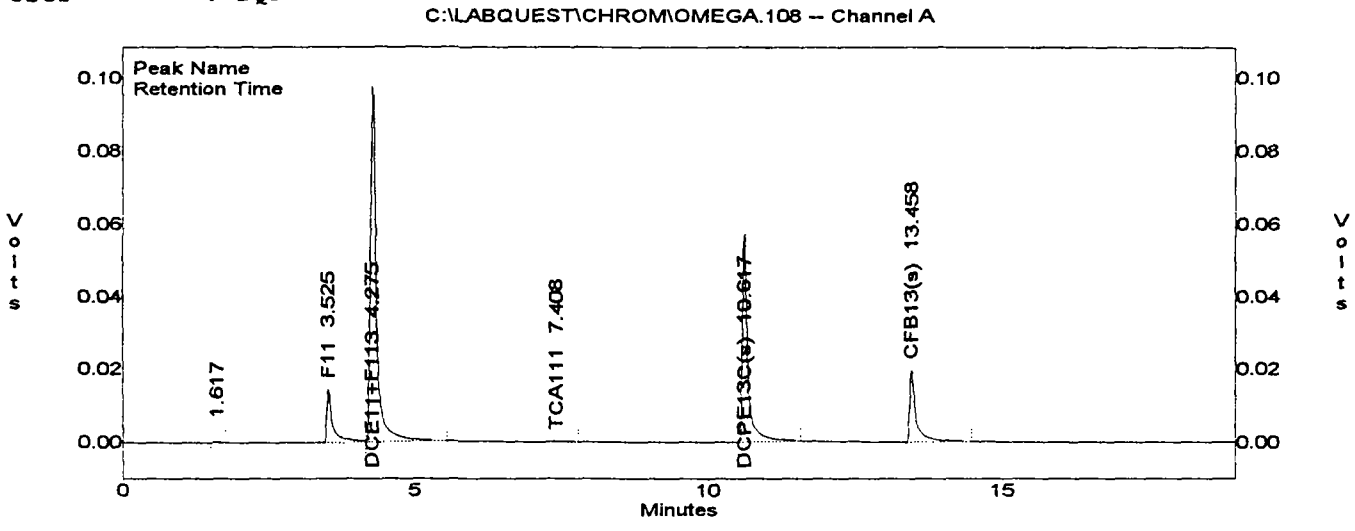
Probe Volume (ml): 375	Max. Purge Vacuum (in. Hg): 24
Purge Volume (liters): 1.25	Equilibrium Time: 3.30 MIN SIC
Purge Time (min.): 1:12	Sample Volume (ml): 20 ml
Notes: 60 PSIG	Syringe ID: A B

Analytical Summary

Chemist: DGF	Volume Analyzed: 1 mL
Recd. Date: 11/17/95 Time: 17:15	Time Injected: 17:16 Loop #: M

Compound	Concentration (ug/L)		Compound	Concentration (ug/L)	
Freon 12	<1	<1	11DCE	13	13
Vinyl Chloride	↓	↓	Benzene	<1	<1
Chloroethane	↓	↓	Toluene	↓	↓
Freon 11	42	40	Ethylbenzene	↓	↓
Dichloromethane	<1	<1	m/p-Xylene	↓	↓
t-12DCE	↓	↓	o-Xylene	↓	↓
11DCA	↓	↓			
c-12DCE	↓	↓			
Chloroforme	↓	↓	Freon 113	270	270
111TCA	3.4	3.9			
Carbon Tetrachloride	<1	<1			
12DCA	↓	↓			
TCE	↓	↓			
112TCA	↓	↓	% Surr. 1, ELCD	98	90
PCE	↓	↓	% Surr. 2, ELCD	33	51
1112PCA	↓	↓	% Surr. 1, PID	82	82
1122PCA	↓	↓	% Surr. 2, PID	93	93
			% Surr. 1, FID	103	103
			% Surr. 2, FID	103	104

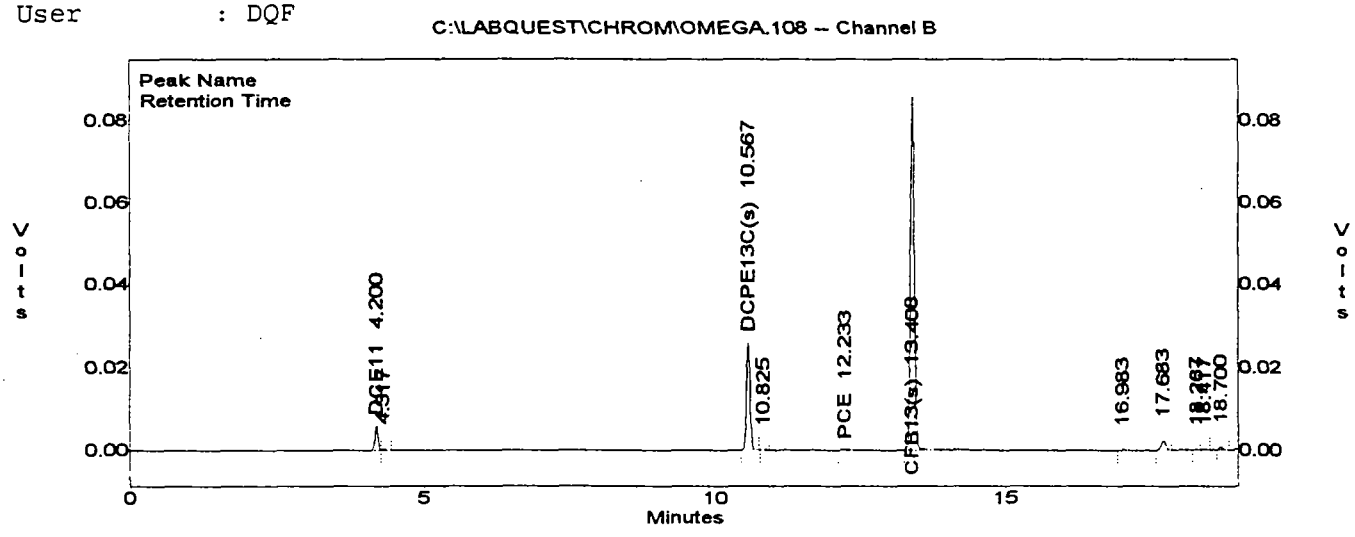
Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.108
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24
Acquired : Nov 17, 1995 17:16:02
Printed : Nov 17, 1995 17:35:25
User : DQF



Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.617	890	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.525	105396	14.555	0
3	DCE11+F113	4.275	701350	140.128	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
4	TCA111	7.408	2903	0.405	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
5	DCPE13C(s)	10.617	373845	479.240	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
6	CFB13(s)	13.458	152503	334.768	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0
Totals :			1336888	969.097	

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.108
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24
Acquired : Nov 17, 1995 17:16:02
Printed : Nov 17, 1995 17:35:29
User : DQF

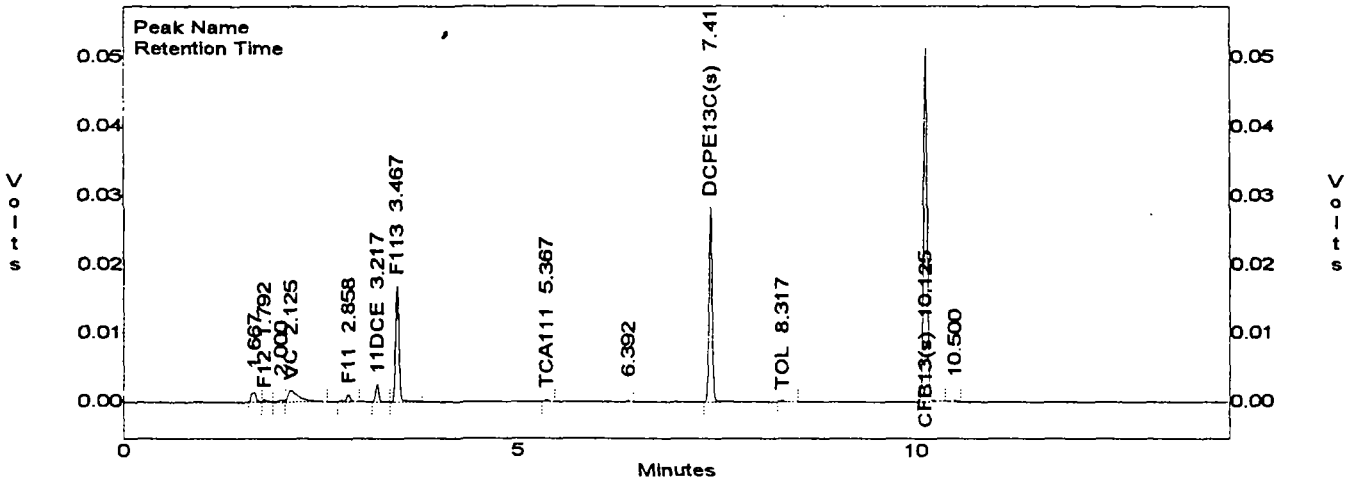


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
1	DCE11	4.200	21469	12.865	0
2		4.317	1465	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
3	DCPE13C(s)	10.567	109280	818.241	0
4		10.825	485	0.000	0
--	TOL	11.242	0	0.000	0
5	PCE	12.233	1367	0.712	0
6	CFB13(s)	13.408	404751	834.293	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
7		16.983	538	0.000	0
8		17.683	13144	0.000	0
9		18.267	345	0.000	0
10		18.417	879	0.000	0
11		18.700	2980	0.000	0
Totals :			556706	1666.111	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.108
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24
Acquired : Nov 17, 1995 17:16:02
Printed : Nov 17, 1995 17:35:33
User : DQF

C:\LABQUEST\CHROM\OMEGA.108 -- Channel C



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.667	6781	0.000	0
2	F12	1.792	1711	18.635	0
3		2.000	1937	0.000	0
4	VC	2.125	16767	27.033	0
--	CLET	2.475	0	0.000	0
5	F11	2.858	4414	41.907	0
6	11DCE	3.217	7539	18.902	0
--	DCM	3.358	0	0.000	0
7	F113	3.467	53003	265.278	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
8	TCA111	5.367	1082	3.419	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
9		6.392	574	0.000	0
--	TCE	6.642	0	0.000	0
10	DCPE13C(s)	7.417	77581	1029.120	0
--	TCA112	8.158	0	0.000	0
11	TOL	8.317	862	0.580	0
--	PCE	9.792	0	0.000	0
12	CFB13(s)	10.125	167565	1027.638	0
13		10.500	428	0.000	0
--	PCA1112	10.675	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.108
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24
quired : Nov 17, 1995 17:16:02
inted : Nov 17, 1995 17:35:35
User : DQF

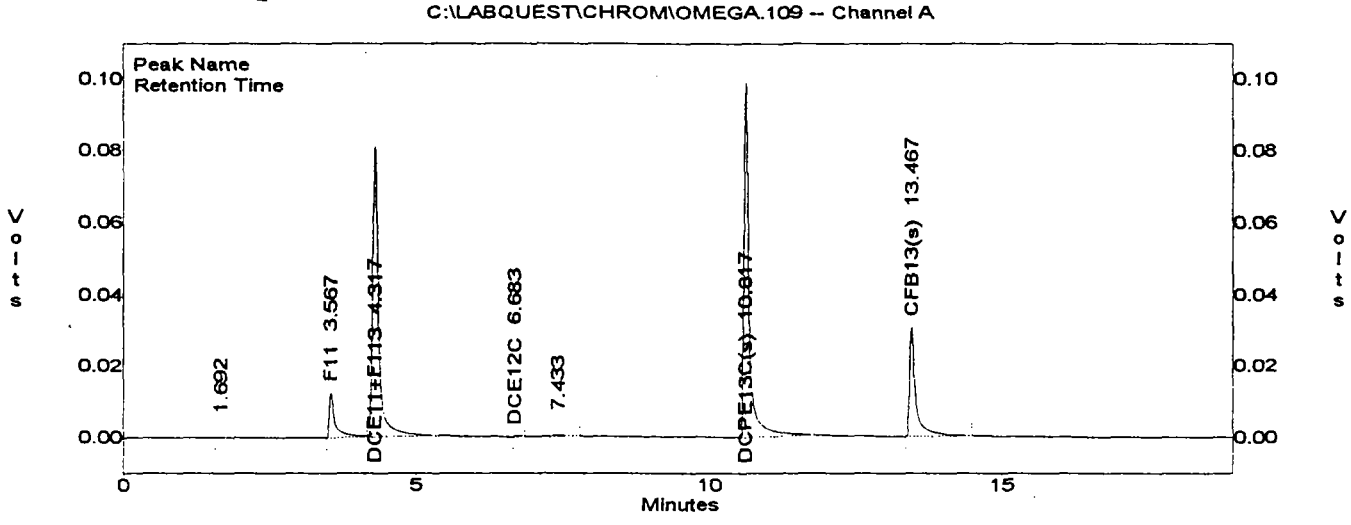
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	340248	2432.512

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.109
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24D
Acquired : Nov 17, 1995 17:39:59
Printed : Nov 17, 1995 17:59:26
User : DQF



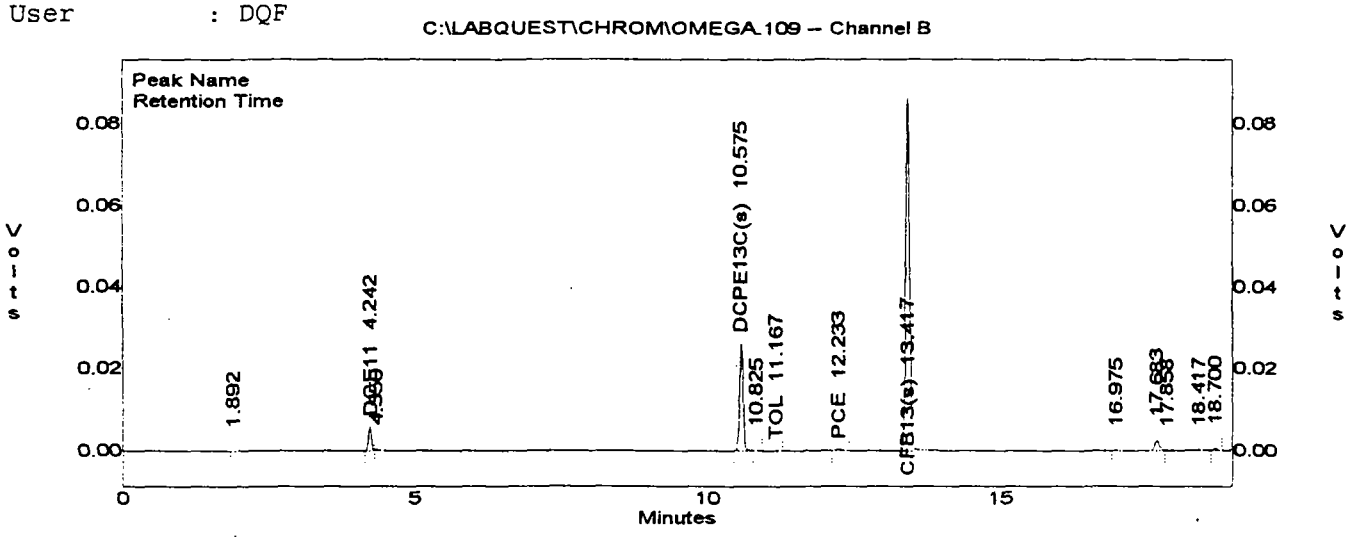
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.692	880	0.000	0
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
2	F11	3.567	91545	12.642	0
3	DCE11+F113	4.317	575276	114.939	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
4	DCE12C	6.683	1416	0.243	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
5		7.433	4158	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
6	DCPE13C(s)	10.617	626542	803.177	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
7	CFB13(s)	13.467	233881	513.406	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

1533700	1444.407	

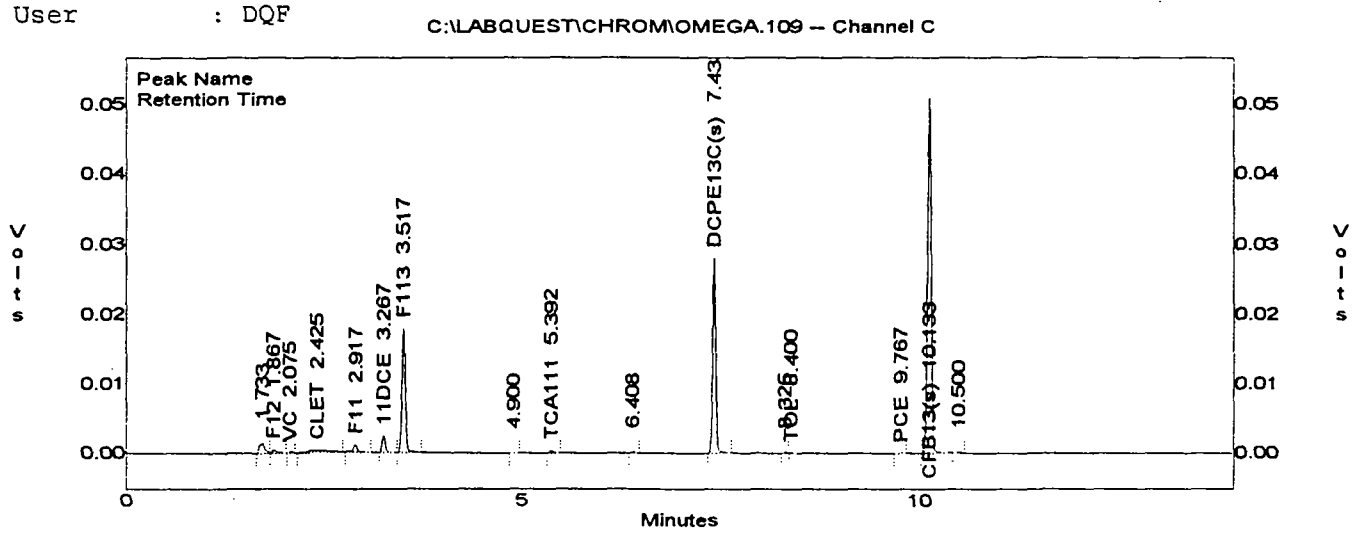
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.109
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24D
Acquired : Nov 17, 1995 17:39:59
Printed : Nov 17, 1995 17:59:30
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.892	337	0.000	0
--	VC	2.450	0	0.000	0
2	DCE11	4.242	21009	12.589	0
3		4.350	985	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
4	DCPE13C(s)	10.575	109197	817.621	0
5		10.825	499	0.000	0
6	TOL	11.167	345	0.089	0
7	PCE	12.233	2321	1.208	0
8	CFB13(s)	13.417	403648	832.021	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
9		16.975	455	0.000	0
10		17.683	14599	0.000	0
11		17.858	332	0.000	0
12		18.417	648	0.000	0
13		18.700	2470	0.000	0
Totals :			556850	1663.529	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.109
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24D
Acquired : Nov 17, 1995 17:39:59
Printed : Nov 17, 1995 17:59:34
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf	
1		1.733	7204	0.000		0
2	F12	1.867	2019	21.989		0
3	VC	2.075	804	1.296		0
4	CLET	2.425	5316	9.107		0
5	F11	2.917	4235	40.208		0
6	11DCE	3.267	7309	18.325		0
--	DCM	3.358	0	0.000		0
7	F113	3.517	53658	268.559		0
--	DCE12T	3.917	0	0.000		0
--	DCA11	4.033	0	0.000		0
--	DCE12C	4.558	0	0.000		0
--	CLFM	4.758	0	0.000		0
8		4.900	202	0.000		0
--	DCA12	5.242	0	0.000		0
9	TCA111	5.392	1222	3.863		0
--	BNZ	5.758	0	0.000		0
--	CBTC	5.875	0	0.000		0
10		6.408	626	0.000		0
--	TCE	6.642	0	0.000		0
11	DCPE13C(s)	7.433	77898	1033.325		0
--	TCA112	8.158	0	0.000		0
12		8.325	573	0.000		0
13	TOL	8.400	264	0.178		0
14	PCE	9.767	307	1.213		0
15	CFB13(s)	10.133	168836	1035.429		0
16		10.500	555	0.000		0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.109
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : SG19-24D
Acquired : Nov 17, 1995 17:39:59
Printed : Nov 17, 1995 17:59:36
User : DQF

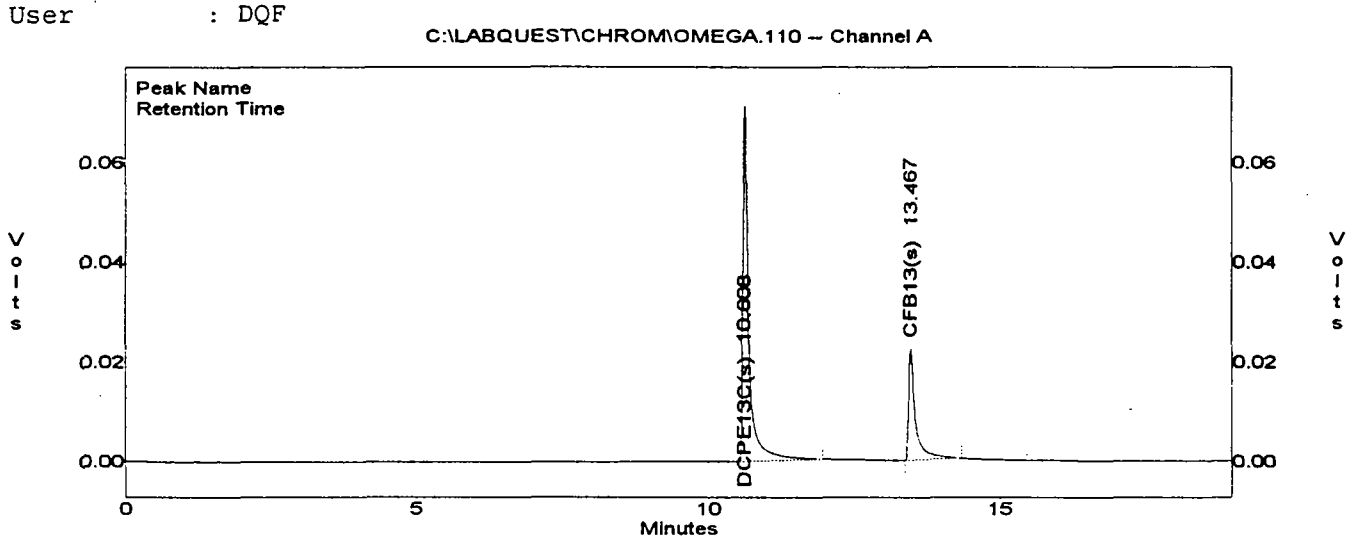
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	331032	2433.493

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.110
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB17NOV95
Acquired : Nov 17, 1995 18:03:53
Printed : Nov 17, 1995 18:23:18
User : DQF



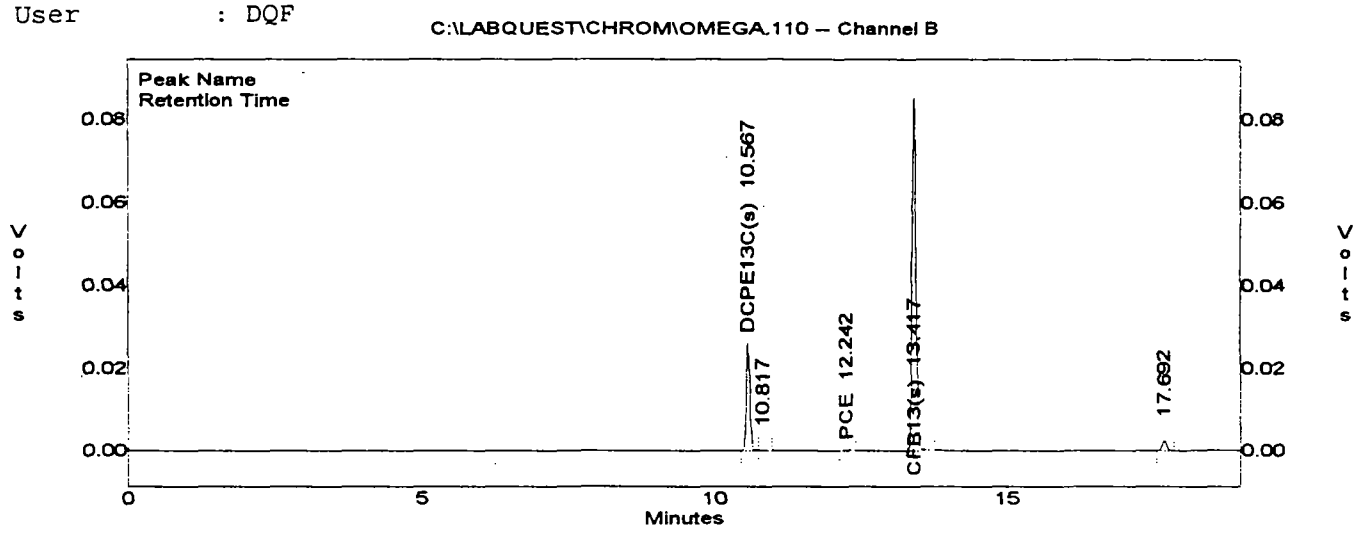
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	F12	1.983	0	0.000	0
--	VC	2.483	0	0.000	0
--	CLET	3.192	0	0.000	0
--	F11	3.575	0	0.000	0
--	DCE11+F113	4.308	0	0.000	0
--	DCM	4.975	0	0.000	0
--	DCE12T	5.325	0	0.000	0
--	DCA11	5.883	0	0.000	0
--	DCE12C	6.683	0	0.000	0
--	CLFM	7.158	0	0.000	0
--	TCA111	7.375	0	0.000	0
--	CBTC	7.617	0	0.000	0
--	DCA12	7.983	0	0.000	0
--	TCE	8.983	0	0.000	0
1	DCPE13C(s)	10.608	513034	657.669	0
--	TCA112	12.117	0	0.000	0
--	PCE	12.308	0	0.000	0
2	CFB13(s)	13.467	190614	418.427	0
--	PCA1112	14.375	0	0.000	0
--	PCA1122	17.342	0	0.000	0

Totals :

703648	1076.096	

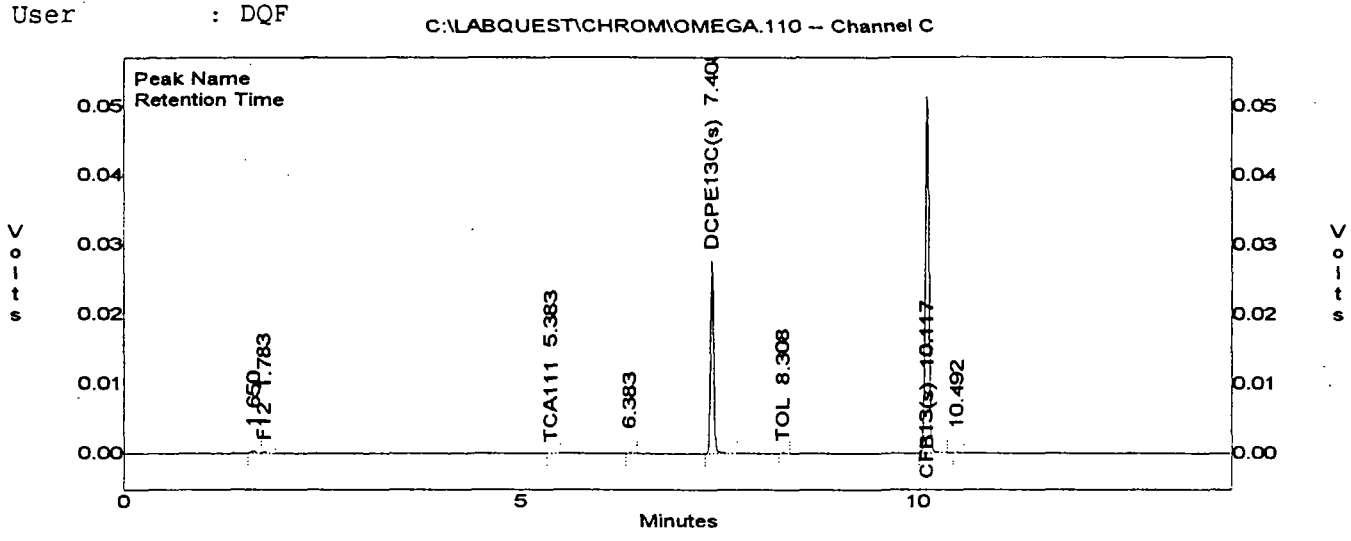
Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.110
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB17NOV95
Acquired : Nov 17, 1995 18:03:53
Printed : Nov 17, 1995 18:23:22
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	2.450	0	0.000	0
--	DCE11	4.258	0	0.000	0
--	DCE12T	5.283	0	0.000	0
--	DCE12C	6.642	0	0.000	0
--	BNZ	7.900	0	0.000	0
--	TCE	8.942	0	0.000	0
1	DCPE13C(s)	10.567	108663	813.622	0
2		10.817	946	0.000	0
--	TOL	11.242	0	0.000	0
3	PCE	12.242	1302	0.678	0
4	CFB13(s)	13.417	400402	825.331	0
--	EB	14.408	0	0.000	0
--	XYLMP	14.692	0	0.000	0
--	XYLO	15.592	0	0.000	0
5		17.692	13808	0.000	0
Totals :			525122	1639.630	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.110
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB17NOV95
Acquired : Nov 17, 1995 18:03:53
Printed : Nov 17, 1995 18:23:26
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.650	1644	0.000	0
2	F12	1.783	804	8.755	0
--	VC	2.133	0	0.000	0
--	CLET	2.475	0	0.000	0
--	F11	2.917	0	0.000	0
--	11DCE	3.275	0	0.000	0
--	DCM	3.358	0	0.000	0
--	F113	3.533	0	0.000	0
--	DCE12T	3.917	0	0.000	0
--	DCA11	4.033	0	0.000	0
--	DCE12C	4.558	0	0.000	0
--	CLFM	4.758	0	0.000	0
--	DCA12	5.242	0	0.000	0
3	TCA111	5.383	291	0.919	0
--	BNZ	5.758	0	0.000	0
--	CBTC	5.875	0	0.000	0
4		6.383	607	0.000	0
--	TCE	6.642	0	0.000	0
5	DCPE13C(s)	7.408	77628	1029.754	0
--	TCA112	8.158	0	0.000	0
6	TOL	8.308	585	0.394	0
--	PCE	9.792	0	0.000	0
7	CFB13(s)	10.117	167844	1029.347	0
8		10.492	422	0.000	0
--	PCA1112	10.675	0	0.000	0
--	EB+PCA1122	11.292	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.110
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : TB17NOV95
quired : Nov 17, 1995 18:03:53
nted : Nov 17, 1995 18:23:27
User : DQF

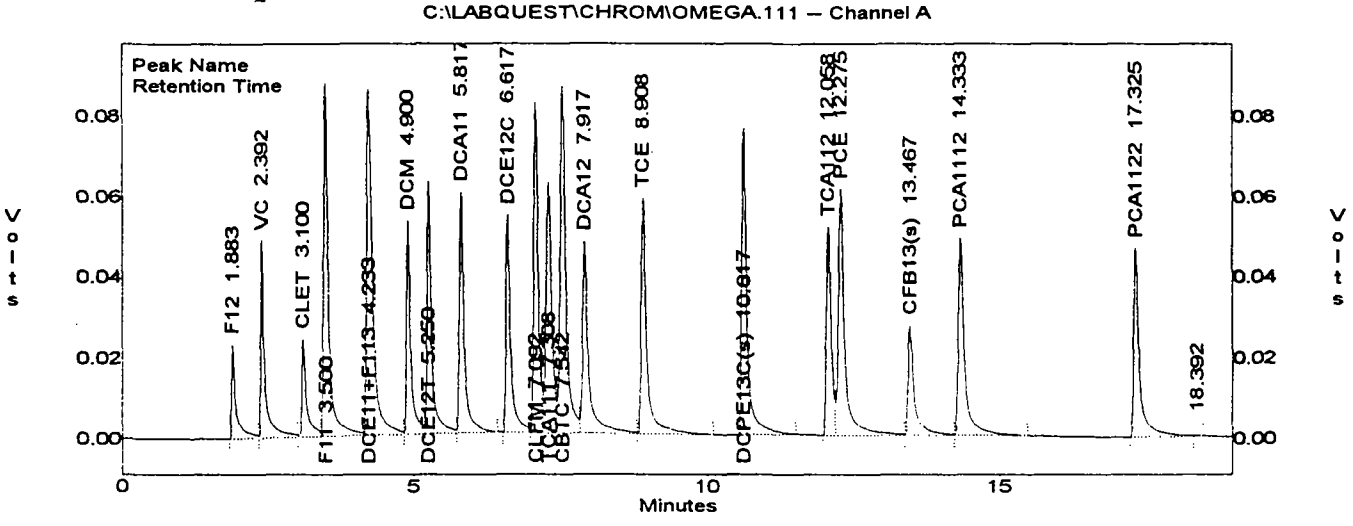
Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
--	XYLMP	11.575	0	0.000	0
--	XYLO	12.233	0	0.000	0

Totals :

	249827	2069.168

Hydro Geo Chem, Inc.
Whittier, CA
Channel A : HECD
File : C:\LABQUEST\CHROM\OMEGA.111
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951117PM
Acquired : Nov 17, 1995 18:27:49
Printed : Nov 17, 1995 18:48:26
User : DQF



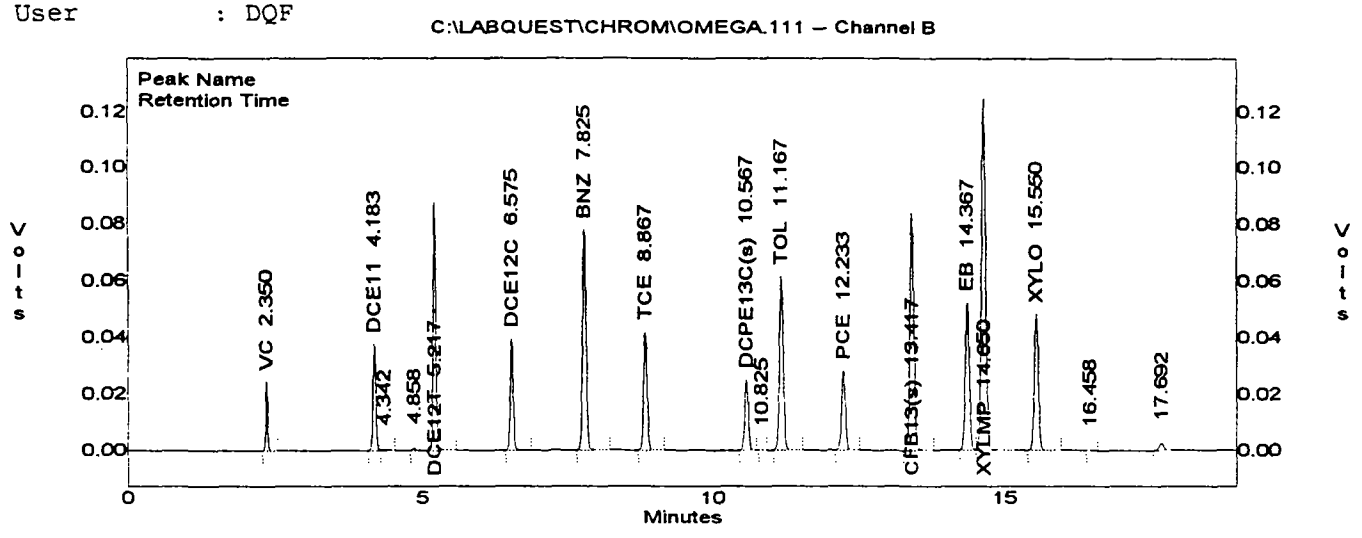
Channel A Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1	F12	1.883	125827	216.776	0
2	VC	2.392	242079	274.381	0
3	CLET	3.100	139139	293.683	0
4	F11	3.500	526493	363.534	0
5	DCE11+F113	4.233	618706	618.080	0
6	DCM	4.900	270720	236.129	0
7	DCE12T	5.250	336316	276.613	0
8	DCA11	5.817	358206	284.790	0
9	DCE12C	6.617	305308	262.297	0
10	CLFM	7.092	439802	305.227	0
11	TCA111	7.308	416888	291.003	0
12	CBTC	7.542	590420	347.914	0
13	DCA12	7.917	341282	287.338	0
14	TCE	8.908	395923	276.881	0
15	DCPE13C(s)	10.617	489824	3139.582	0
16	TCA112	12.058	298570	231.999	0
17	PCE	12.275	481626	288.478	0
18	CFB13(s)	13.467	212296	2330.116	0
19	PCA1112	14.333	373861	252.394	0
20	PCA1122	17.325	334236	245.804	0
21		18.392	579	0.000	0

Totals :

7298110 10823.021

Hydro Geo CHem, Inc.
Whittier, CA
Channel B: PID
File : C:\LABQUEST\CHROM\OMEGA.111
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951117PM
Acquired : Nov 17, 1995 18:27:49
Printed : Nov 17, 1995 18:48:31
User : DQF



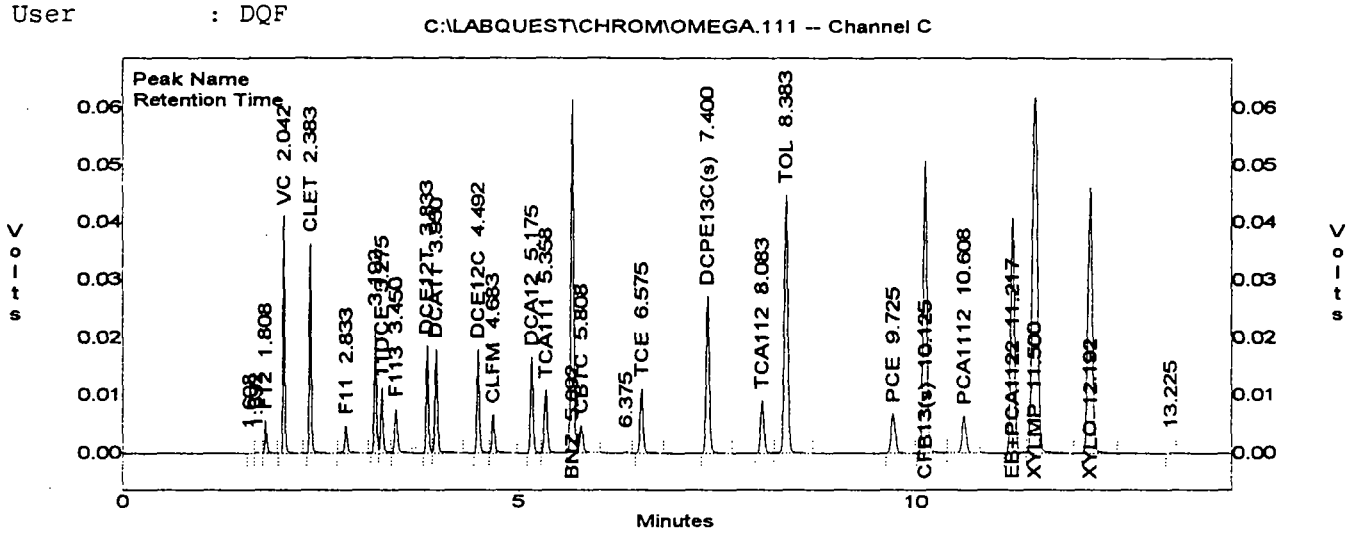
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	2.350	53762	371.571	0
2	DCE11	4.183	128072	425.413	0
3		4.342	2799	0.000	0
4		4.858	2477	0.000	0
5	DCE12T	5.217	278776	408.456	0
6	DCE12C	6.575	144436	405.221	0
7	BNZ	7.825	333107	419.918	0
8	TCE	8.867	179974	378.842	0
9	DCPE13C(s)	10.567	107039	4007.326	0
10		10.825	460	0.000	0
11	TOL	11.167	283154	393.994	0
12	PCE	12.233	134119	349.164	0
13	CFB13(s)	13.417	397598	4097.747	0
14	EB	14.367	259564	405.073	0
15	XYLMP	14.650	615402	793.969	0
16	XYLO	15.550	240604	389.719	0
17		16.458	453	0.000	0
18		17.692	14262	0.000	0

Totals :

3176063	12846.413	

Hydro Geo Chem, Inc.
Whittier, CA
Channel C: FID
File : C:\LABQUEST\CHROM\OMEGA.111
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951117PM
Acquired : Nov 17, 1995 18:27:49
Printed : Nov 17, 1995 18:48:35
User : DQF



Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
1		1.608	238	0.000	0
2		1.692	655	0.000	0
3	F12	1.808	8873	483.111	0
4	VC	2.042	62434	503.280	0
5	CLET	2.383	62121	532.052	0
6	F11	2.833	11806	560.478	0
7		3.192	40045	0.000	0
8	11DCE	3.275	21739	272.526	0
--	DCM	3.358	0	0.000	0
9	F113	3.450	19483	487.574	0
10	DCE12T	3.833	37542	472.619	0
11	DCA11	3.950	40995	497.519	0
12	DCE12C	4.492	38731	477.411	0
13	CLFM	4.683	17122	520.437	0
14	DCA12	5.175	38190	472.265	0
15	TCA111	5.358	30780	486.274	0
16	BNZ	5.692	148515	495.828	0
17	CBTC	5.808	14618	520.135	0
18		6.375	592	0.000	0
19	TCE	6.575	31199	497.097	0
20	DCPE13C(s)	7.400	77992	5172.894	0
21	TCA112	8.083	28458	464.372	0
22	TOL	8.383	139168	468.266	0
23	PCE	9.725	23831	469.802	0
24	CFB13(s)	10.125	169656	5202.303	0
25	PCA1112	10.608	23977	484.675	0

Continued...

File : C:\LABQUEST\CHROM\OMEGA.111
Method : C:\LABQUEST\METHODS\OMEGA.MET
Sample ID : LCS951117PM
Acquired : Nov 17, 1995 18:27:49
Printed : Nov 17, 1995 18:48:37
User : DQF

Channel C Results

peak	Compound	Rt	Area	Conc(ug/l)	Rf
26	EB+PCA1122	11.217	142583	988.301	0
27	XYLMP	11.500	288029	977.491	0
28	XYLO	12.192	165167	483.260	0
29		13.225	450	0.000	0

Totals :

1685000 21989.967

APPENDIX D

Analytical Data for Soil and Groundwater Sampling

ANALYTICAL REPORT

B C Analytical

801 Western Avenue
Glendale, CA 91201
[illegible]/247-5737
Fax: 818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

Mailed: DEC 27 [illegible]

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
[illegible]gestion (3050), Date	12/13/95	12/13/95	12/13/95	12/13/95	12/13/95
[illegible]rnace Digestion (3050), Date	12/13/95	12/13/95	12/13/95	12/13/95	12/13/95

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Pesticides (8080)					
Date Analyzed	12/19/95	12/19/95	12/19/95	12/20/95	12/19/95
Date Extracted	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1	1	1
Aldrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Chlordane, mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02
p,p'-DDD, mg/kg	<0.0007	<0.0007	<0.0007	0.0015 E	<0.0007
p,p'-DDE, mg/kg	<0.0007	0.0012	<0.0007	0.0054 E	<0.0007
p,p'-DDT, mg/kg	<0.0007	0.0022	0.0017	0.013 E	0.0048
Dieldrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan I, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan II, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan sulfate, mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Endrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endrin aldehyde, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Heptachlor epoxide, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Heptachlor, mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methoxychlor, mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Toxaphene, mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04
BHC, alpha isomer, mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
BHC, beta isomer, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
BHC, delta isomer, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
BHC, gamma isomer (Lindane), mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004

E = Estimated

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Surrogates **					
[illegible]ecachlorobiphenyl Reported, mg/kg	0.0084	0.0051	0.0049	0.0046	0.0051
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0099	0.0112	0.0110	0.0139	0.0125
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
PCBs (8080)					
Date Analyzed	12/19/95	12/19/95	12/19/95	12/20/95	12/19/95
Date Extracted	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1	1	1
Aroclor 1016, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1221, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1232, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1242, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1248, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1254, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1260, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0084	0.0051	0.0049	0.0046	0.0051
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0099	0.0112	0.0110	0.0139	0.0125
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	3.7	4.0	4.7	3.2	6.6
Antimony (6010), mg/kg	<10	<10	<10	<10	<10
Barium (6010), mg/kg	130	120	150	170	150

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B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Beryllium (6010), mg/kg	0.52	0.39	0.67	0.55	0.55
Cadmium (6010), mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (6010), mg/kg	16	18	28	24	43
Cobalt (6010), mg/kg	8.8	8.6	9.9	9.0	9.5
Copper (6010), mg/kg	27	22	27	24	29
Lead (6010), mg/kg	15	20	16	41	54
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	3.2	2.2	3.7	2.9	3.1
Nickel (6010), mg/kg	24	18	30	26	31
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	45	44	71	62	53
Zinc (6010), mg/kg	73	76	68	81	89

BCA

B C Analytical

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LOG NO: G95-12-201

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Semi-volatiles (8270)					
Date Analyzed	12/15/95	12/18/95	12/18/95	12/20/95	12/18/95
Date Extracted	12/14/95	12/14/95	12/14/95	12/14/95	12/14/95
Dilution Factor, Times	1	1	1	2	1
1,2,4-Trichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
1,2-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
1,2-Diphenylhydrazine, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
1,3-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
1,4-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,4,5-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,4,6-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,4-Dichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,4-Dimethylphenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,4-Dinitrophenol, mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
2,4-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2,6-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Chloronaphthalene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Chlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Methyl-4,6-dinitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Methylnaphthalene, mg/kg	<0.2	<0.2	<0.2	0.54	<0.2
2-Methylphenol (o-Cresol), mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
2-Nitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2

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801 Western Avenue
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[illegible]247-5737
[illegible]: 818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
3,3'-Dichlorobenzidine, mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
[illegible]Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Bromophenylphenylether, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Chloro-3-methylphenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Chloroaniline, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Chlorophenylphenylether, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Methylphenol (p-Cresol), mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
4-Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
4-Nitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Acenaphthene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Acenaphthylene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Aniline, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Anthracene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Benzidine, mg/kg	<4	<4	<4	<8	<4
Benzo(a)anthracene, mg/kg	<0.2	<0.2	<0.2	2.4	<0.2
Benzo(a)pyrene, mg/kg	<0.2	<0.2	<0.2	1.6	<0.2
Benzo(b)fluoranthene, mg/kg	<0.2	<0.2	<0.2	0.91	<0.2
Benzo(g,h,i)perylene, mg/kg	<0.2	<0.2	<0.2	0.49	<0.2
Benzo(k)fluoranthene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Benzyl Alcohol, mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
Benzoic acid, mg/kg	<2	<2	<2	<4	<2
Butylbenzylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Chrysene, mg/kg	<0.2	<0.2	<0.2	6.0	<0.2

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REPORT OF ANALYTICAL RESULTS

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12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Di-n-octylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Dibenzo(a,h)anthracene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Dibenzofuran, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Dibutylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Diethylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Dimethylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Fluoranthene, mg/kg	<0.2	<0.2	<0.2	0.66	<0.2
Fluorene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Hexachlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Hexachlorobutadiene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Hexachlorocyclopentadiene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Hexachloroethane, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Isophorone, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
N-Nitrosodimethylamine, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
N-Nitrosodiphenylamine, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
N-Nitrosodi-n-propylamine, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Nitrobenzene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Naphthalene, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Phenanthrene, mg/kg	<0.2	<0.2	<0.2	5.0	<0.2
Phenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Pentachlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Pyrene, mg/kg	<0.2	<0.2	<0.2	3.1	<0.2

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12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Pyridine, mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
[redacted](2-chloroethoxy)methane, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Bis(2-chloroethyl)ether, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Bis(2-chloroisopropyl)ether, mg/kg	<0.2	<0.2	<0.2	<0.4	<0.2
Bis(2-ethylhexyl)phthalate, mg/kg	<0.4	<0.4	<0.4	<0.8	<0.4
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	1.55	1.11	1.41	1.82	1.65
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	2.08	1.52	1.84	2.34	2.14
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	1.95	1.38	1.81	1.93	2.31
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.47	1.07	1.32	1.75	1.56
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	2.45	1.80	2.17	2.75	2.52
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	1.29	0.922	1.22	1.73	1.39
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

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12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Vol.Pri.Poll. (8240)					
Date Analyzed	12/13/95	12/14/95	12/14/95	12/13/95	12/13/95
Date Extracted	---	12/14/95	12/14/95	---	---
Dilution Factor, Times	1	100	100	1	1
1,1,1-Trichloroethane, mg/kg	<0.005	<0.5	<0.5	0.0082	<0.005
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,1,2-Trichloroethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,1-Dichloroethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,1-Dichloroethene, mg/kg	<0.005	<0.5	<0.5	0.036	<0.005
1,2-Dichloroethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,2-Dichlorobenzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,2-Dichloropropane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,3-Dichlorobenzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
1,4-Dichlorobenzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
2-Chloroethylvinylether, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
2-Hexanone, mg/kg	<0.03	<3	<3	<0.03	<0.03
Acetone, mg/kg	<0.1	<10	<10	<0.1	<0.1
Acrolein, mg/kg	<0.3	<30	<30	<0.3	<0.3
Acrylonitrile, mg/kg	<0.3	<30	<30	<0.3	<0.3
Bromodichloromethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Bromomethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Benzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Bromoform, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005

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12-201-1	SB-2-1.8	11 DEC 95
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12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
Chlorobenzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
[illegible]rbon Tetrachloride, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
[illegible]loroethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Chloroform, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Chloromethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Carbon Disulfide, mg/kg	<0.01	<1	<1	<0.01	<0.01
Dibromochloromethane, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Ethylbenzene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Freon 113, mg/kg	<0.01	<1	<1	0.057	<0.01
Methyl ethyl ketone, mg/kg	<0.03	<3	<3	<0.03	<0.03
Methyl isobutyl ketone, mg/kg	<0.03	<3	<3	<0.03	<0.03
Methylene chloride, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Styrene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Trichloroethene, mg/kg	<0.005	<0.5	<0.5	0.028	<0.005
Trichlorofluoromethane, mg/kg	<0.005	<0.5	<0.5	0.018	<0.005
Toluene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Tetrachloroethene, mg/kg	0.036	1.3	0.68	0.033	0.039
Vinyl acetate, mg/kg	<0.05	<5	<5	<0.05	<0.05
Vinyl chloride, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Total Xylene Isomers, mg/kg	<0.02	<2	<2	<0.02	<0.02
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005

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12-201-1	SB-2-1.8	11 DEC 95
12-201-2	SB-4-1.6	11 DEC 95
12-201-3	SB-5-1.8	11 DEC 95
12-201-4	SB-15-1.7	11 DEC 95
12-201-5	SB-14-1.8	11 DEC 95

PARAMETER	12-201-1	12-201-2	12-201-3	12-201-4	12-201-5
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.5	<0.5	<0.005	<0.005
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.0396	4.20	4.07	0.0382	0.0384
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	5.00	5.00	0.0500	0.0500
4-Bromofluorobenzene Rep., mg/kg	0.0395	4.21	4.34	0.0379	0.0400
4-Bromofluorobenzene Theo., mg/kg	0.0500	5.00	5.00	0.0500	0.0500
Toluene-d8 Reported, mg/kg	0.0477	4.93	4.93	0.0492	0.0483
Toluene-d8 Theo., mg/kg	0.0500	5.00	5.00	0.0500	0.0500

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Digestion (3050), Date	12/13/95	12/13/95	12/13/95
Furnace Digestion (3050), Date	12/13/95	12/13/95	12/13/95

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12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Pesticides (8080)			
Date Analyzed	12/19/95	12/20/95	12/22/95
Date Extracted	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1
Aldrin, mg/kg	<0.0007	<0.0007	<0.0007
Chlordane, mg/kg	<0.02	<0.02	<0.02
p,p'-DDD, mg/kg	<0.0007	<0.0007	<0.0007
p,p'-DDE, mg/kg	<0.0007	<0.0007	<0.0007
p,p'-DDT, mg/kg	<0.0007	<0.0007	<0.0007
Dieldrin, mg/kg	<0.0007	<0.0007	<0.0007
Endosulfan I, mg/kg	<0.0007	<0.0007	<0.0007
Endosulfan II, mg/kg	<0.0007	<0.0007	<0.0007
Endosulfan sulfate, mg/kg	<0.004	<0.004	<0.004
Endrin, mg/kg	<0.0007	<0.0007	<0.0007
Endrin aldehyde, mg/kg	<0.0007	<0.0007	<0.0007
Heptachlor epoxide, mg/kg	<0.0007	<0.0007	<0.0007
Heptachlor, mg/kg	<0.0004	<0.0004	<0.0004
Methoxychlor, mg/kg	<0.001	<0.001	<0.001
Toxaphene, mg/kg	<0.04	<0.04	<0.04
BHC, alpha isomer, mg/kg	<0.0004	<0.0004	<0.0004
BHC, beta isomer, mg/kg	<0.0007	<0.0007	<0.0007
BHC, delta isomer, mg/kg	<0.0007	<0.0007	<0.0007
BHC, gamma isomer (Lindane), mg/kg	<0.0004	<0.0004	<0.0004
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0039	0.0051	0.0025

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12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0034	0.0136	0.0110
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
P[redacted] (8080)			
Date Analyzed	12/19/95	12/20/95	12/22/95
Date Extracted	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1
Aroclor 1016, mg/kg	<0.03	<0.03	<0.03
Aroclor 1221, mg/kg	<0.03	<0.03	<0.03
Aroclor 1232, mg/kg	<0.03	<0.03	<0.03
Aroclor 1242, mg/kg	<0.03	<0.03	<0.03
Aroclor 1248, mg/kg	<0.03	<0.03	<0.03
Aroclor 1254, mg/kg	<0.03	0.21 E	0.052
Aroclor 1260, mg/kg	<0.03	<0.03	<0.03
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0039	0.0051	0.0025
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0034	0.0136	0.0110
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	4.2	9.0	3.1
Antimony (6010), mg/kg	<10	13	<10
Barium (6010), mg/kg	75	180	160
Beryllium (6010), mg/kg	0.29	0.75	0.57
Cadmium (6010), mg/kg	<0.5	<0.5	<0.5
Chromium (6010), mg/kg	12	210	60

E = Estimated

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Cobalt (6010), mg/kg	4.7	16	7.3
Copper (6010), mg/kg	17	150	28
Lead (6010), mg/kg	33	890	13
Mercury (7471), mg/kg	<0.1	0.54	<0.1
Molybdenum (6010), mg/kg	1.5	4.1	3.5
Nickel (6010), mg/kg	12	55	26
Selenium (7740), mg/kg	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7
Vanadium (6010), mg/kg	32	56	67
Zinc (6010), mg/kg	42	350	67

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Semi-volatiles (8270)			
Date Analyzed	12/18/95	12/18/95	12/15/95
Date Extracted	12/14/95	12/14/95	12/14/95
[redacted]lution Factor, Times	1	1	1
1,2,4-Trichlorobenzene, mg/kg	<0.2	<0.2	<0.2
1,2-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2
1,2-Diphenylhydrazine, mg/kg	<0.2	<0.2	<0.2
1,3-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2
1,4-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2
2,4,5-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2
2,4,6-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2
2,4-Dichlorophenol, mg/kg	<0.2	<0.2	<0.2
2,4-Dimethylphenol, mg/kg	<0.2	<0.2	<0.2
2,4-Dinitrophenol, mg/kg	<0.4	<0.4	<0.4
2,4-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2
2,6-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2
2-Chloronaphthalene, mg/kg	<0.2	<0.2	<0.2
2-Chlorophenol, mg/kg	<0.2	<0.2	<0.2
2-Methyl-4,6-dinitrophenol, mg/kg	<0.2	<0.2	<0.2
2-Methylnaphthalene, mg/kg	<0.2	<0.2	<0.2
2-Methylphenol (o-Cresol), mg/kg	<0.2	<0.2	<0.2
2-Nitroaniline, mg/kg	<0.2	<0.2	<0.2
2-Nitrophenol, mg/kg	<0.2	<0.2	<0.2
3,3'-Dichlorobenzidine, mg/kg	<0.4	<0.4	<0.4
3-Nitroaniline, mg/kg	<0.2	<0.2	<0.2

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12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
4-Bromophenylphenylether, mg/kg	<0.2	<0.2	<0.2
4-Chloro-3-methylphenol, mg/kg	<0.2	<0.2	<0.2
4-Chloroaniline, mg/kg	<0.2	<0.2	<0.2
4-Chlorophenylphenylether, mg/kg	<0.2	<0.2	<0.2
4-Methylphenol (p-Cresol), mg/kg	<0.4	<0.4	<0.4
4-Nitroaniline, mg/kg	<0.2	<0.2	<0.2
4-Nitrophenol, mg/kg	<0.2	<0.2	<0.2
Acenaphthene, mg/kg	<0.2	<0.2	<0.2
Acenaphthylene, mg/kg	<0.2	<0.2	<0.2
Aniline, mg/kg	<0.2	<0.2	<0.2
Anthracene, mg/kg	<0.2	<0.2	<0.2
Benzidine, mg/kg	<4	<4	<4
Benzo(a)anthracene, mg/kg	<0.2	<0.2	<0.2
Benzo(a)pyrene, mg/kg	<0.2	<0.2	<0.2
Benzo(b)fluoranthene, mg/kg	<0.2	<0.2	<0.2
Benzo(g,h,i)perylene, mg/kg	<0.2	<0.2	<0.2
Benzo(k)fluoranthene, mg/kg	<0.2	<0.2	<0.2
Benzyl Alcohol, mg/kg	<0.4	<0.4	<0.4
Benzoic acid, mg/kg	<2	<2	<2
Butylbenzylphthalate, mg/kg	<0.2	<0.2	<0.2
Chrysene, mg/kg	<0.2	<0.2	<0.2
Di-n-octylphthalate, mg/kg	<0.2	<0.2	<0.2
Dibenzo(a,h)anthracene, mg/kg	<0.2	<0.2	<0.2
Dibenzofuran, mg/kg	<0.2	<0.2	<0.2
Dibutylphthalate, mg/kg	<0.2	<0.2	<0.2

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12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Diethylphthalate, mg/kg	<0.2	<0.2	<0.2
Dimethylphthalate, mg/kg	<0.2	<0.2	<0.2
Fluoranthene, mg/kg	<0.2	<0.2	<0.2
Fluorene, mg/kg	<0.2	<0.2	<0.2
Hexachlorobenzene, mg/kg	<0.2	<0.2	<0.2
Hexachlorobutadiene, mg/kg	<0.2	<0.2	<0.2
Hexachlorocyclopentadiene, mg/kg	<0.2	<0.2	<0.2
Hexachloroethane, mg/kg	<0.2	<0.2	<0.2
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.2	<0.2	<0.2
Isophorone, mg/kg	<0.2	<0.2	<0.2
N-Nitrosodimethylamine, mg/kg	<0.2	<0.2	<0.2
N-Nitrosodiphenylamine, mg/kg	<0.2	<0.2	<0.2
N-Nitrosodi-n-propylamine, mg/kg	<0.2	<0.2	<0.2
Nitrobenzene, mg/kg	<0.2	<0.2	<0.2
Naphthalene, mg/kg	<0.2	<0.2	<0.2
Phenanthrene, mg/kg	<0.2	<0.2	<0.2
Phenol, mg/kg	<0.2	<0.2	<0.2
Pentachlorophenol, mg/kg	<0.2	<0.2	<0.2
Pyrene, mg/kg	<0.2	<0.2	<0.2
Pyridine, mg/kg	<0.4	<0.4	<0.4
Bis(2-chloroethoxy)methane, mg/kg	<0.2	<0.2	<0.2
Bis(2-chloroethyl)ether, mg/kg	<0.2	<0.2	<0.2
Bis(2-chloroisopropyl)ether, mg/kg	<0.2	<0.2	<0.2
Bis(2-ethylhexyl)phthalate, mg/kg	<0.4	3.2	<0.4
Surrogates **			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
2-Fluorobiphenyl Reported, mg/kg	1.69	1.67	1.71
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	2.16	2.11	2.25
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	2.32	1.94	2.34
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.60	1.63	1.68
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	2.55	2.50	2.65
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	1.50	1.36	1.47
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Vol.Pri.Poll. (8240)			
Date Analyzed	12/14/95	12/14/95	12/14/95
Date Extracted	12/14/95	12/14/95	12/14/95
Dilution Factor, Times	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<0.5	<0.5	<0.5
2-Hexanone, mg/kg	<3	<3	<3
Acetone, mg/kg	<10	<10	<10
Acrolein, mg/kg	<30	<30	<30
Acrylonitrile, mg/kg	<30	<30	<30
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5	<0.5
Chlorobenzene, mg/kg	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
Chloroethane, mg/kg	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5
Ethylbenzene, mg/kg	<0.5	<0.5	<0.5
Freon 113, mg/kg	<1	<1	<1
Methyl ethyl ketone, mg/kg	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3	<3
Methylene chloride, mg/kg	<0.5	<0.5	<0.5
Styrene, mg/kg	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5	<0.5
Trichlorofluoromethane, mg/kg	<0.5	<0.5	<0.5
Toluene, mg/kg	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	1.2	7.1	1.7
Vinyl acetate, mg/kg	<5	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5
Total Xylene Isomers, mg/kg	<2	<2	<2
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5
Surrogates **			
1,2-Dichloroethane-d4 Rep., mg/kg	4.16	4.01	4.11
1,2-Dichloroethane-d4 Theo., mg/kg	5.00	5.00	5.00

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12-201-6	SB-7-1.7	11 DEC 95
12-201-7	SB-12-1.7	11 DEC 95
12-201-8	SB-12-6.5	11 DEC 95

PARAMETER	12-201-6	12-201-7	12-201-8
4-Bromofluorobenzene Rep., mg/kg	4.26	4.17	4.21
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	4.84	4.81	4.93
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-9	SB-2-6.5	11 DEC 95
12-201-10	SB-4-6.6	11 DEC 95
12-201-11	SB-5-6.5	11 DEC 95
12-201-12	SB-15-6.7	11 DEC 95
12-201-13	SB-14-6.6	11 DEC 95

PARAMETER	12-201-9	12-201-10	12-201-11	12-201-12	12-201-13
3550/8080 Prep (3550), Date	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
3550/8270 Prep (3550), Date	12/13/95	12/13/95	12/13/95	12/13/95	12/13/95

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-9	SB-2-6.5	11 DEC 95
12-201-10	SB-4-6.6	11 DEC 95
12-201-11	SB-5-6.5	11 DEC 95
12-201-12	SB-15-6.7	11 DEC 95
12-201-13	SB-14-6.6	11 DEC 95

PARAMETER	12-201-9	12-201-10	12-201-11	12-201-12	12-201-13
Vol.Pri.Poll. (8240)					
Date Analyzed	12/14/95	12/13/95	12/13/95	12/14/95	12/14/95
Dilution Factor, Times	1	1	1	1	1
1,1,1-Trichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethylvinylether, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Acetone, mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acrolein, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3
Acrylonitrile, mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3
Bromodichloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Benzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-9	SB-2-6.5	11 DEC 95
12-201-10	SB-4-6.6	11 DEC 95
12-201-11	SB-5-6.5	11 DEC 95
12-201-12	SB-15-6.7	11 DEC 95
12-201-13	SB-14-6.6	11 DEC 95

PARAMETER	12-201-9	12-201-10	12-201-11	12-201-12	12-201-13
Carbon Tetrachloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromochloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113, mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl ethyl ketone, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Methyl isobutyl ketone, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Methylene chloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene, mg/kg	0.0091	0.057	0.032	<0.005	0.041
Vinyl acetate, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl chloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Total Xylene Isomers, mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-9	SB-2-6.5	11 DEC 95
12-201-10	SB-4-6.6	11 DEC 95
12-201-11	SB-5-6.5	11 DEC 95
12-201-12	SB-15-6.7	11 DEC 95
12-201-13	SB-14-6.6	11 DEC 95

PARAMETER	12-201-9	12-201-10	12-201-11	12-201-12	12-201-13
Other Vol.Pri.Poll. (8240)	---	---	---	---	---
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.0483	0.0380	0.0372	0.0488	0.0473
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	0.0500
4-Bromofluorobenzene Rep., mg/kg	0.0468	0.0402	0.0411	0.0478	0.0464
4-Bromofluorobenzene Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	0.0500
Toluene-d8 Reported, mg/kg	0.0477	0.0503	0.0492	0.0482	0.0485
Toluene-d8 Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	0.0500

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-14	SB-7-6.6	11 DEC 95

PARAMETER	12-201-14
3550/8080 Prep (3550), Date	12/15/95
3550/8270 Prep (3550), Date	12/13/95

B C Analytical

801 Western Avenue
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818/247-5737
FAX 818/247-9797

LOG NO: G95-12-201

Received: 11 DEC 95

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-14	SB-7-6.6	11 DEC 95

PARAMETER	12-201-14				
Vol.Pri.Poll. (8240)					
Date Analyzed	12/14/95				
Dilution Factor, Times	1				
1,1,1-Trichloroethane, mg/kg	0.011				
1,1,2,2-Tetrachloroethane, mg/kg	<0.005				
1,1,2-Trichloroethane, mg/kg	<0.005				
1,1-Dichloroethane, mg/kg	<0.005				
1,1-Dichloroethene, mg/kg	<0.005				
1,2-Dichloroethane, mg/kg	<0.005				
1,2-Dichlorobenzene, mg/kg	<0.005				
1,2-Dichloropropane, mg/kg	<0.005				
1,3-Dichlorobenzene, mg/kg	<0.005				
1,4-Dichlorobenzene, mg/kg	<0.005				
2-Chloroethylvinylether, mg/kg	<0.005				
2-Hexanone, mg/kg	<0.03				
Acetone, mg/kg	<0.1				
Acrolein, mg/kg	<0.3				
Acrylonitrile, mg/kg	<0.3				
Bromodichloromethane, mg/kg	<0.005				
Bromomethane, mg/kg	<0.005				
Benzene, mg/kg	<0.005				
Bromoform, mg/kg	<0.005				
Chlorobenzene, mg/kg	<0.005				
Carbon Tetrachloride, mg/kg	<0.005				
Chloroethane, mg/kg	<0.005				
Chloroform, mg/kg	<0.005				
Chloromethane, mg/kg	<0.005				

BCA

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-201-14	SB-7-6.6	11 DEC 95

PARAMETER	12-201-14
Carbon Disulfide, mg/kg	<0.01
Dibromochloromethane, mg/kg	<0.005
Ethylbenzene, mg/kg	<0.005
Freon 113, mg/kg	<0.01
Methyl ethyl ketone, mg/kg	<0.03
Methyl isobutyl ketone, mg/kg	<0.03
Methylene chloride, mg/kg	<0.005
Styrene, mg/kg	<0.005
Trichloroethene, mg/kg	<0.005
Trichlorofluoromethane, mg/kg	<0.005
Toluene, mg/kg	<0.005
Tetrachloroethene, mg/kg	0.11
Vinyl acetate, mg/kg	<0.05
Vinyl chloride, mg/kg	<0.005
Total Xylene Isomers, mg/kg	<0.02
cis-1,2-Dichloroethene, mg/kg	<0.005
cis-1,3-Dichloropropene, mg/kg	<0.005
trans-1,2-Dichloroethene, mg/kg	<0.005
trans-1,3-Dichloropropene, mg/kg	<0.005
Other Vol.Pri.Poll. (8240)	---
Surrogates **	
1,2-Dichloroethane-d4 Rep., mg/kg	0.0471
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500
4-Bromofluorobenzene Rep., mg/kg	0.0469
4-Bromofluorobenzene Theo., mg/kg	0.0500
Toluene-d8 Reported, mg/kg	0.0486
Toluene-d8 Theo., mg/kg	0.0500

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-201-15	TB-121195	11 DEC 95
12-201-16	RB-121195	11 DEC 95

PARAMETER	12-201-15	12-201-16	
Vol.Pri.Poll. (8240)			
Date Analyzed	12/18/95	12/18/95	
Dilution Factor, Times	1	1	
1,1,1-Trichloroethane, ug/L	<1	<1	
1,1,2,2-Tetrachloroethane, ug/L	<1	<1	
1,1,2-Trichloroethane, ug/L	<1	<1	
1,1-Dichloroethane, ug/L	<1	<1	
1,1-Dichloroethene, ug/L	<1	<1	
1,2-Dichloroethane, ug/L	<1	<1	
1,2-Dichlorobenzene, ug/L	<1	<1	
1,2-Dichloropropane, ug/L	<1	<1	
1,3-Dichlorobenzene, ug/L	<1	<1	
1,4-Dichlorobenzene, ug/L	<1	<1	
2-Chloroethylvinylether, ug/L	<5	<5	
2-Hexanone, ug/L	<5	<5	
Acetone, ug/L	<20	<20	
Acrolein, ug/L	<50	<50	
Acrylonitrile, ug/L	<50	<50	
Bromodichloromethane, ug/L	<1	<1	
Bromomethane, ug/L	<1	<1	
Benzene, ug/L	<1	<1	
Bromoform, ug/L	<1	<1	
Chlorobenzene, ug/L	<1	<1	
Carbon Tetrachloride, ug/L	<1	<1	
Chloroethane, ug/L	<1	<1	
Chloroform, ug/L	<1	<1	

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-201-15	TB-121195	11 DEC 95
12-201-16	RB-121195	11 DEC 95

PARAMETER	12-201-15	12-201-16	
Chloromethane, ug/L	<1	<1	
Carbon Disulfide, ug/L	<2	<2	
Dibromochloromethane, ug/L	<1	<1	
Ethylbenzene, ug/L	<1	<1	
Freon 113, ug/L	<2	<2	
Methyl ethyl ketone, ug/L	<5	<5	
Methyl isobutyl ketone, ug/L	<5	<5	
Methylene chloride, ug/L	<2	<2	
Styrene, ug/L	<1	<1	
Trichloroethene, ug/L	<1	<1	
Trichlorofluoromethane, ug/L	<1	<1	
Toluene, ug/L	<1	<1	
Tetrachloroethene, ug/L	<1	<1	
Vinyl acetate, ug/L	<10	<10	
Vinyl chloride, ug/L	<1	<1	
Total Xylene Isomers, ug/L	<3	<3	
cis-1,2-Dichloroethene, ug/L	<1	<1	
cis-1,3-Dichloropropene, ug/L	<1	<1	
trans-1,2-Dichloroethene, ug/L	<1	<1	
trans-1,3-Dichloropropene, ug/L	<1	<1	
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	40.0	38.6	
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	
4-Bromofluorobenzene Rep., ug/L	44.4	43.9	
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	
Toluene-d8 Reported, ug/L	50.9	49.8	

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-201-15	TB-121195	11 DEC 95
12-201-16	RB-121195	11 DEC 95

PARAMETER	12-201-15	12-201-16
Toluene-d8 Theo., ug/L	50.0	50.0

Jane Freemyer, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 12/11/95 PAGE 1 OF 2

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2
PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8085
QA MANAGER: MIKE PALMER PH/~~FAX~~ No. (619) 454-0165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CRANHAM, Greg Strahm

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-ML VOA VIAL	2" x 6" BRASS TUBE	ANALYSES REQUESTED: EPA 8240	EPA 8270	EPA 8080	CCR METALS	T22	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: EXTRACT ONLY FOR EPA 8270 AND 8080
	TB-121195	12/11/95	1125				X	X				X	(2)		X						
	SB-2-1.8		1130	X								X		(1)	X	X	X	X			
	SB 2-6.5		1145	X								X		(1)	X						X
	SB-4-1.6		1205	X								X		(1)	X	X	X	X			
	SB-4-6.6		1227	X								X		(1)	X						X
	SB-5-1.8		1240	X								X		(1)	X	X	X	X			
	SB-5-6.5		1300	X								X		(1)	X						X
	SB-15-1.7		1318	X								X		(1)	X	X	X	X			
	SB-15-6.7		1340	X								X		(1)	X						X
	SB-14-1.8		1405	X								X		(1)	X	X	X	X			
	SB-14-6.6		1435	X								X		(1)	X						X
	RB 121195		1445				X	X				X	(2)		X						
	SB-7-1.7		1452	X								X		(1)	X	X	X	X			
	SB-7-6.6	↓	1517	X								X		(1)	X						X
Total number of Containers per analysis:													4	12							Total No. of Containers: 16

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA, GQ512201

REMARKS: ARROW INDICATES BOTTOM OF SAMPLE TUBE; ANALYZE SAMPLE FROM THAT END.

Relinquished by	Date	Time	Received by	Date	Time
Company: H+A	12/11/95	18:40	Company: BCA	12/11/95	18:40
Relinquished by	Date	Time	Received by:	Date	Time
Company			Laboratory		

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165 FAX (619) 454-5839
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL - LABORATORY YELLOW - QA MANAGER PINK - FIELD/TASK MANAGER

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 12/11/95 PAGE 2 OF 2

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER PH FAX No. (619) 454-0165

SAMPLER (SIGNATURE): [signature]

SAMPLER (PRINTED): GREG CRANHAM, GREG STEWART

LABORATORY INFORMATION: BCA, WESTERN AVE., GLENDALE, CA

G9512201

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 40-mL VOA	SAMPLE CONTAINERS 2" x 6" BRASS TUBE	ANALYSES REQUESTED EPA 8240	ANALYSES REQUESTED EPA 8270	ANALYSES REQUESTED EPA 8080	ANALYSES REQUESTED CCR METALS T22	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING	REMARKS
	SB-12-1.7	12/11/95	1540	X							X		1	X	X	X	X			ARROW ON TUBE INDICATES BOTTOM OF SAMPLE TUBE; ANALYZE SAMPLE FROM THAT END.
	SB-12-6.5	↓	1615	X							X		1	X	X	X	X			
Total number of Containers per analysis:													2							Total No. of Containers: 2

Relinquished by:	Date	Received by:	Date
[signature]	12/11/94	[signature]	12/11/95
H+A	Time 18:40	BCA	Time 18:40
Company		Company	

Relinquished by	Date	Received by:	Date
	Time		Time
Company		Laboratory	

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

☐ No. of containers correct ☐ received good condition/cold

☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121

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☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

: ORDER PLACED FOR CLIENT: England and Associates 9512201 :
: BC ANALYTICAL : GLEN LAB : 11:22:47 27 DEC 1995 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9512201*1	SB-2-1.8	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.19.95	8080	536-27	95191	7616
		8080,PCB	12.19.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.15.95	8270	537-11	95242	6750
		8240.HSL	12.13.95	8240	537-05	9550075	7430
9512201*2	SB-4-1.6	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.19.95	8080	536-27	95191	[illegible]
		8080,PCB	12.19.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-05	9550077	7430
9512201*3	SB-5-1.8	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.19.95	8080	536-27	95191	7616
		8080,PCB	12.19.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-05	9550077	7430
9512201*4	SB-15-1.7	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.20.95	8080	536-27	95191	7616
		8080,PCB	12.20.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.20.95	8270	537-11	95242	6763
		8240.HSL	12.13.95	8240	537-05	9550075	7430
9512201*5	SB-14-1.8	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.19.95	8080	536-27	95191	7616
		8080,PCB	12.19.95	8080	536-27	95191	7616
		AS,GFA	12.14.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.18.95	8270	537-11	95242	[illegible]
		8240.HSL	12.13.95	8240	537-05	9550075	7430
9512201*6	SB-7-1.7	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.19.95	8080	536-27	95191	7616
		8080,PCB	12.19.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-05	9550077	7430
9512201*7	SB-12-1.7	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.20.95	8080	536-27	95191	7616
		8080,PCB	12.20.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		AG	12.13.95	6010	535-03	952177	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-05	9550077	7430
9512201*8	SB-12-6.5	DIG,NAQ.HCL	12.13.95	3050		952177	7093
		DIG,NAQ,GFA	12.13.95	3050		952178	7093
		8080	12.22.95	8080	536-27	95191	7616
		8080,PCB	12.22.95	8080	536-27	95191	7616
		AS,GFA	12.13.95	7060	534-07	952178	7396
		SB	12.13.95	6010	535-03	952177	7396
		CR	12.13.95	6010	535-03	952177	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.13.95	6010	535-03	952177	7396
		NI	12.13.95	6010	535-03	952177	7396
		SE,GFA	12.13.95	7740	534-07	952178	7396
		TL	12.13.95	6010	535-03	952177	7396
		V	12.13.95	6010	535-03	952177	7396
		ZN	12.13.95	6010	535-03	952177	7396
		8270.HSL	12.15.95	8270	537-11	95242	6750

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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8240.HSL	12.14.95	8240	537-05	9550077	7430
		BA	12.13.95	6010	535-03	952177	7396
		BE	12.13.95	6010	535-03	952177	7396
		CD	12.13.95	6010	535-03	952177	7396
		CO	12.13.95	6010	535-03	952177	7396
		CU	12.13.95	6010	535-03	952177	7396
		PB	12.13.95	6010	535-03	952177	7396
		AG	12.13.95	6010	535-03	952177	7396
9512201*9	SB-2-6.5	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512201*10	SB-4-6.6	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.13.95	8240	537-05	9550075	7430
9512201*11	SB-5-6.5	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.13.95	8240	537-05	9550075	7430
9512201*12	SB-15-6.7	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512201*13	SB-14-6.6	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512201*14	SB-7-6.6	3550,8080.AF	12.15.95	3550		95191	7616
		3550,8270.AF	12.13.95	3550		95241	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512201*15	TB-121195	VOA.8240.HSL	12.18.95	8240	537-05	951018	7430
9512201*16	RB-121195	VOA.8240.HSL	12.18.95	8240	537-05	951018	7430

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AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics																					
1,1,1-Trichloroethane	ug/L	0	1 -	91	-	82	-	63	132	11	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1 -	110	-	125	-	51	157	12	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1 -	106	-	111	-	70	136	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1 -	87	-	84	-	72	125	3	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1 -	100	-	89	-	64	134	12	-	-	93	-	104	-	48	127	10	27	-
1,2-Dichloroethane	ug/L	0	1 -	95	-	91	-	78	122	4	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1 -	105	-	104	-	75	130	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1 -	99	-	97	-	78	123	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1 -	105	-	104	-	75	125	1	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1 -	106	-	101	-	76	126	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5 -	121	-	128	-	11	195	6	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5 -	128	-	143	-	4	228	10	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	3.8	20 -	65	-	80	-	25	190	20	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50 -	23	Q	32	-	30	183	33	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50 -	47	-	53	-	34	182	12	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1 -	103	-	109	-	79	123	6	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1 -	84	-	66	-	61	152	24	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1 -	97	-	92	-	73	124	5	-	-	96	-	106	-	65	125	11	26	-
Bromoform	ug/L	0	1 -	96	-	103	-	58	148	7	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1 -	105	-	106	-	75	126	1	-	-	101	-	115	-	76	132	14	23	-
Carbon Tetrachloride	ug/L	0	1 -	96	-	85	-	70	132	12	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1 -	96	-	79	-	58	140	19	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1 -	86	-	92	-	74	124	6	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1 -	78	-	63	-	56	145	21	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2 -	97	-	77	-	62	133	23	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1 -	105	-	107	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1 -	106	-	111	-	72	131	5	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2 -	104	-	85	-	54	146	19	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5 -	92	-	96	-	21	198	3	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5 -	109	-	133	-	8	215	20	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2 -	110	-	100	-	72	125	9	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1 -	109	-	100	-	72	130	9	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1 -	89	-	82	-	71	128	9	-	-	83	-	93	-	63	122	11	21	-
Trichlorofluoromethane	ug/L	0	1 -	105	-	97	-	45	149	8	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1 -	111	-	109	-	78	123	2	-	-	109	-	122	-	63	132	11	22	-
Tetrachloroethene	ug/L	0	1 -	103	-	97	-	73	127	6	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10 -	122	-	139	-	44	158	13	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1 -	88	-	78	-	56	144	12	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	111	-	103	-	72	133	7	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	88	-	87	-	74	124	1	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	107	-	107	-	79	124	1	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	94	-	84	-	69	130	11	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	105	-	106	-	70	133	1	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	81	-	-	86	-	85	-	79	114	-	-	-	84	-	82	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	89	-	-	104	-	108	-	85	111	-	-	-	104	-	112	Q	85	111	-	-	-
[Toluene-d8]	Percent	100	-	-	100	-	100	-	92	110	-	-	-	99	-	101	-	92	110	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 952177 Method: 6010 - ICAP Metals																						
Silver	mg/kg	0	1	-	99	-	100	-	72	117	2	-	-	80	-	78	-	51	127	3	30	-
Barium	mg/kg	0	0.5	-	97	-	96	-	75	114	0	-	-	127	-	120	-	63	129	3	30	-
Beryllium	mg/kg	0	0.1	-	99	-	99	-	79	110	0	-	-	107	-	104	-	68	131	3	30	-
Cadmium	mg/kg	0	0.5	-	100	-	100	-	75	118	0	-	-	86	-	85	-	55	125	1	30	-
Cobalt	mg/kg	0	4	-	100	-	99	-	71	112	1	-	-	102	-	99	-	59	117	2	30	-
Chromium	mg/kg	0.150	1	-	102	-	102	-	76	110	0	-	-	125	-	118	-	40	137	5	30	-
Copper	mg/kg	0	2	-	100	-	100	-	70	110	0	-	-	101	-	96	-	54	122	3	30	-
Molybdenum	mg/kg	0	1	-	99	-	98	-	75	112	1	-	-	99	-	97	-	59	114	2	30	-
Nickel	mg/kg	0	4	-	102	-	103	-	73	114	1	-	-	110	-	107	-	52	126	2	30	-
Lead	mg/kg	2.23	5	-	101	-	101	-	73	116	0	-	-	101	-	99	-	42	139	2	30	-
Antimony	mg/kg	0	10	-	99	-	97	-	79	115	1	-	-	89	-	89	-	5	118	0	30	-
Thallium	mg/kg	0	7	-	99	-	106	-	71	110	7	-	-	101	-	95	-	58	119	6	30	-
Vanadium	mg/kg	0	4	-	100	-	100	-	80	110	0	-	-	128	Q	118	Q	67	115	6	30	-
Zinc	mg/kg	0.230	1	-	98	-	99	-	76	117	1	-	-	104	-	96	-	43	142	3	30	-
Batch: AS,GFA*952178 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/kg	0.03	0.2	-	94	-	-	-	81	123	-	-	-	83	-	69	-	18	167	9	30	-
Batch: SE,GFA*952178 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/kg	0	0.4	-	105	-	-	-	83	114	-	-	-	49	-	49	-	4	148	1	30	-
Batch: HG,SO*952191 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual																						
Mercury	mg/kg	0	0.1	-	91	-	91	-	83	124	1	-	-	97	-	94	-	65	136	4	30	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550075 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.005	-	86	-	79	-	67	135	9	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.005	-	121	-	114	-	63	173	6	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.005	-	112	-	103	-	62	156	9	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.005	-	89	-	80	-	79	118	11	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.005	-	100	-	82	-	68	131	20	-	-	124	-	121	-	41	148	2	28	-
1,2-Dichloroethane	mg/kg	0	0.005	-	96	-	84	-	77	129	13	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.005	-	109	-	105	-	85	118	4	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.005	-	103	-	92	-	79	125	12	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.005	-	109	-	105	-	84	118	4	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.005	-	110	-	105	-	85	117	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.005	-	137	-	116	-	21	189	16	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	0.03	-	127	-	131	-	18	254	3	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.0049	0.1	-	67	-	101	-	6	220	40	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	0.3	-	39	Q	42	Q	72	134	9	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	0.3	-	27	Q	45	Q	64	143	50	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.005	-	107	-	98	-	73	132	9	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.005	-	107	-	84	-	61	142	24	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.005	-	103	-	90	-	70	125	13	-	-	105	-	104	-	59	134	1	25	-
Bromoform	mg/kg	0	0.005	-	105	-	97	-	65	160	8	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.005	-	107	-	100	-	69	137	7	-	-	106	-	103	-	58	148	3	19	-
Carbon Tetrachloride	mg/kg	0	0.005	-	84	-	81	-	61	141	4	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.005	-	105	-	87	-	48	143	19	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.005	-	90	-	109	-	77	123	19	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.005	-	93	-	83	-	64	133	12	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	0.01	-	100	-	81	-	61	128	21	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.005	-	106	-	97	-	55	159	9	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.005	-	111	-	103	-	70	137	7	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	0.01	-	104	-	84	-	66	133	22	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.03	-	108	-	76	-	27	230	34	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.03	-	129	-	110	-	44	207	17	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.005	-	90	-	91	-	78	119	1	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.005	-	109	-	104	-	65	140	5	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.005	-	93	-	82	-	72	129	12	-	-	95	-	95	-	53	135	0	29	-
Trichlorofluoromethane	mg/kg	0	0.005	-	95	-	89	-	66	134	6	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.005	-	112	-	103	-	68	139	8	-	-	122	-	112	-	57	139	8	19	-
Tetrachloroethene	mg/kg	0	0.005	-	105	-	94	-	63	144	11	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	0.05	-	138	-	113	-	74	141	20	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.005	-	76	-	85	-	54	148	11	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550075 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	0.02	-	114	-	107	-	85	115	7	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.005	-	98	-	81	-	74	122	18	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.005	-	101	-	104	-	73	131	3	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.005	-	100	-	81	-	73	122	20	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.005	-	101	-	100	-	55	147	1	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	77	-	Q	81	Q	78	Q	87	125	-	-	-	77	Q	81	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	84	-	-	104	-	103	-	85	111	-	-	-	101	-	101	-	74	121	-	-	-
[Toluene-d8]	Percent	99	-	-	97	-	99	-	94	113	-	-	-	102	-	101	-	82	118	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550076 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.005	-	110	-	-	-	67	135	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.005	-	88	-	-	-	63	173	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.005	-	98	-	-	-	62	156	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.005	-	103	-	-	-	79	118	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.005	-	109	-	-	-	68	131	-	-	-	99	-	104	-	41	148	4	28	-
1,2-Dichloroethane	mg/kg	0	0.005	-	101	-	-	-	77	129	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.005	-	104	-	-	-	85	118	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.005	-	105	-	-	-	79	125	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.005	-	103	-	-	-	84	118	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.005	-	102	-	-	-	85	117	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.005	-	76	-	-	-	21	189	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	0.03	-	87	-	-	-	18	254	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.0045	0.1	-	114	-	-	-	6	220	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	0.3	-	74	-	-	-	72	134	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	0.3	-	74	-	-	-	64	143	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.005	-	98	-	-	-	73	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.005	-	99	-	-	-	61	142	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.005	-	105	-	-	-	70	125	-	-	-	89	-	106	-	59	134	17	25	-
Bromoform	mg/kg	0	0.005	-	104	-	-	-	65	160	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.005	-	101	-	-	-	69	137	-	-	-	81	-	95	-	58	148	16	19	-
Carbon Tetrachloride	mg/kg	0	0.005	-	109	-	-	-	61	141	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.005	-	105	-	-	-	48	143	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.005	-	107	-	-	-	77	123	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.005	-	90	-	-	-	64	133	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	0.01	-	107	-	-	-	61	128	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.005	-	81	-	-	-	55	159	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.005	-	69	Q	-	-	70	137	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	0.01	-	113	-	-	-	66	133	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.03	-	87	-	-	-	27	230	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.03	-	86	-	-	-	44	207	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.005	-	95	-	-	-	78	119	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.005	-	100	-	-	-	65	140	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.005	-	120	-	-	-	72	129	-	-	-	107	-	118	-	53	135	9	29	-
Trichlorofluoromethane	mg/kg	0	0.005	-	109	-	-	-	66	134	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.005	-	97	-	-	-	68	139	-	-	-	84	-	95	-	57	139	13	19	-
Tetrachloroethene	mg/kg	0	0.005	-	102	-	-	-	63	144	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl [illegible]tate	mg/kg	0	0.05	-	39	Q	-	-	74	141	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl [illegible]oride	mg/kg	0	0.005	-	100	-	-	-	54	148	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550076 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	0.02	-	73	Q	-	-	85	115	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.005	-	103	-	-	-	74	122	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.005	-	93	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.005	-	104	-	-	-	73	122	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.005	-	93	-	-	-	55	147	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	96	-	-	102	-	-	-	87	125	-	-	-	104	-	105	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	99	-	-	-	85	111	-	-	-	97	-	98	-	74	121	-	-	-
[Toluene-d8]	Percent	96	-	-	97	-	-	-	94	113	-	-	-	97	-	97	-	82	118	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550077 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	104	-	115	-	68	131	10	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	100	-	111	-	70	125	10	25	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	108	-	119	-	69	137	9	19	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	90	-	101	-	72	129	12	29	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	113	-	122	-	68	139	8	19	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl [redacted]tate	mg/kg	0	5	-	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	[redacted]	-
Vinyl [redacted]oride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550077 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	76	0	Q	81	Q	82	Q	87	125	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	84	0	-	86	-	86	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	101	0	-	100	-	97	-	94	113	-	-	-	-	-	-	-	-	-	-	-	-
Batch: 8080*95191 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aldrin	mg/kg	0	0.0007	-	116	-	110	-	42	122	5	-	-	107	-	117	-	42	122	9	24	-
Chlordane	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.0007	-	119	-	82	-	45	141	37	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.0007	-	112	-	93	-	44	145	19	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.0007	-	111	-	90	-	39	160	20	-	-	94	-	98	-	25	160	4	24	-
Dieldrin	mg/kg	0	0.0007	-	111	-	95	-	44	146	15	-	-	101	-	108	-	36	146	7	37	-
Endosulfan I	mg/kg	0	0.0007	-	94	-	92	-	45	146	3	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	0	0.0007	-	108	-	77	-	44	182	34	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.004	-	116	-	-	-	28	144	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0	0.0007	-	114	-	95	-	53	147	18	-	-	101	-	107	-	30	147	6	43	-
Endrin aldehyde	mg/kg	0	0.0007	-	96	-	55	-	42	176	54	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.0007	-	111	-	105	-	49	142	6	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0	0.0004	-	113	-	108	-	44	166	4	-	-	106	-	113	-	40	148	7	52	-
Methoxychlor	mg/kg	0	0.001	-	108	-	58	-	58	155	61	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	0	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.0004	-	108	-	105	-	52	134	3	-	-	-	-	-	-	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.0007	-	110	-	107	-	17	122	2	-	-	-	-	-	-	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.0007	-	108	-	104	-	48	140	5	-	-	-	-	-	-	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0004	-	111	-	110	-	54	127	1	-	-	108	-	114	-	32	127	5	32	-
[Decachlorobiphenyl]	Percent	72	-	-	102	-	51	-	20	147	-	-	-	86	-	81	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	118	-	-	108	-	105	-	30	142	-	-	-	110	-	114	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8080,PCB*95191 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.03	-	99	-	99	-	78	129	0	-	-	105	-	105	-	43	123	0	55	-
[Decachlorobiphenyl]	Percent	72	-	-	93	-	88	-	20	147	-	-	-	89	-	98	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	118	-	-	114	-	116	-	30	142	-	-	-	119	-	116	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95242 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	90	-	72	-	44	116	22	-	-	78	-	75	-	44	115	4	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	98	-	81	-	35	127	19	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	88	-	79	-	43	128	11	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	89	-	73	-	32	110	20	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	90	-	74	-	35	110	20	-	-	77	-	75	-	20	124	2	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	105	-	86	-	23	154	19	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	79	-	67	-	37	144	17	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	80	-	80	-	39	129	1	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	94	-	79	-	32	119	18	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	83	-	68	-	1	191	21	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	102	-	84	-	39	139	19	-	-	80	-	75	-	39	139	6	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	74	-	63	-	50	152	16	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	65	-	53	-	32	110	20	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	91	-	77	-	35	116	16	-	-	80	-	78	-	45	110	2	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.2	-	80	-	67	-	1	181	17	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	98	-	82	-	5	165	17	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	88	-	77	-	36	114	14	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	100	-	82	-	38	144	20	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	90	-	76	-	32	130	18	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.4	-	99	-	82	-	1	262	19	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	103	-	84	-	30	152	20	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	93	-	69	-	56	127	29	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	101	-	87	-	35	130	15	-	-	89	-	83	-	40	137	7	32	-
4-Chloroaniline	mg/kg	0	0.2	-	101	-	86	-	31	126	16	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	97	-	79	-	48	132	20	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	85	-	78	-	25	124	8	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	115	-	92	-	3	187	23	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.2	-	93	-	75	-	1	132	21	-	-	69	-	65	-	19	132	6	46	-
Acenaphthene	mg/kg	0	0.2	-	106	-	87	-	47	132	19	-	-	83	-	77	-	47	122	7	34	-
Acenaphthylene	mg/kg	0	0.2	-	100	-	83	-	35	132	18	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	50	-	47	-	1	164	8	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	94	-	80	-	39	130	16	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	43	-	27	-	1	200	45	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	92	-	76	-	44	138	19	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	95	-	79	-	36	128	19	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	91	-	72	-	24	137	23	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0	0.2	-	88	-	71	-	25	157	21	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0	0.2	-	106	-	89	-	39	142	18	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95242 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	mg/kg	0	0.4	-	94	-	76	-	3	161	21	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	48	-	43	-	1	183	11	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	92	-	77	-	37	151	17	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	98	-	79	-	43	147	21	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	99	-	83	-	21	146	18	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	83	-	68	-	30	154	20	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	97	-	79	-	54	121	20	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0	0.2	-	94	-	81	-	53	125	15	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	91	-	75	-	47	142	19	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	81	-	65	-	32	142	22	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	103	-	88	-	39	137	16	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	97	-	82	-	59	121	17	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	89	-	72	-	48	129	20	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	96	-	78	-	29	116	21	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.2	-	93	-	73	-	18	143	24	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	90	-	77	-	40	113	16	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	86	-	60	-	25	162	37	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	88	-	89	-	27	134	1	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	99	-	82	-	17	115	19	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	59	-	49	-	11	110	17	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	95	-	80	-	32	136	16	-	-	102	-	98	-	29	149	4	26	-
Nitrobenzene	mg/kg	0	0.2	-	95	-	80	-	39	115	17	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	95	-	79	-	39	114	18	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	98	-	84	-	54	120	15	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	84	-	72	-	7	110	15	-	-	73	-	70	-	34	122	4	38	-
Pentachlorophenol	mg/kg	0	0.2	-	91	-	74	-	14	163	20	-	-	70	-	68	-	20	165	2	47	-
Pyrene	mg/kg	0	0.2	-	90	-	73	-	52	149	21	-	-	84	-	80	-	52	115	6	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	79	-	67	-	37	130	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	104	-	88	-	40	123	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	92	-	78	-	36	140	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0	0.4	-	82	-	70	-	41	147	16	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	94	-	-	103	-	84	-	43	116	-	-	-	86	-	81	-	38	110	-	-	-
[2-Fluorophenol]	Percent	84	-	-	96	-	77	-	21	100	-	-	-	79	-	75	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	77	-	-	101	-	74	-	40	123	-	-	-	80	-	73	-	28	110	-	-	-
[Nitrobenzene-d5]	Percent	92	-	-	108	-	86	-	37	114	-	-	-	87	-	81	-	34	110	-	-	-
[Phenol-d5]	Percent	101	-	-	106	-	86	-	10	93	-	-	-	89	-	86	-	31	110	-	-	-
[Terphenyl-d14]	Percent	86	-	-	86	-	69	-	33	141	-	-	-	74	-	68	-	18	130	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 11:40:10 23 DEC 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
95[redacted]01*1									
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0099	0.0083	119		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0084	0.0083	101		50	164
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0099	0.0083	119		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0084	0.0083	101		50	164
8270	2-Fluorophenol	95242	12/15/95	2.08	2.50	83		25	110
	Phenol-d5	95242	12/15/95	2.45	2.50	98		31	110
	Nitrobenzene-d5	95242	12/15/95	1.47	1.67	88		34	110
	2-Fluorobiphenyl	95242	12/15/95	1.55	1.67	93		38	110
	2,4,6-Tribromophenol Rep.	95242	12/15/95	1.95	2.50	78		28	110
	Terphenyl-d14	95242	12/15/95	1.29	1.67	77		18	130
8240	1,2-Dichloroethane-d4 Rep	9550075	12/13/95	0.0396	0.0500	79		78	121
	Toluene-d8	9550075	12/13/95	0.0477	0.0500	95		82	118
	4-Bromofluorobenzene Rep.	9550075	12/13/95	0.0395	0.0500	79		74	121
9512201*2									
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0112	0.0083	135		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0051	0.0083	61		50	164
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0112	0.0083	135		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0051	0.0083	61		50	164
8270	2-Fluorophenol	95242	12/18/95	1.52	2.50	61		25	110
	Phenol-d5	95242	12/18/95	1.80	2.50	72		31	110
	Nitrobenzene-d5	95242	12/18/95	1.07	1.67	64		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.11	1.67	66		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.38	2.50	55		28	110
	Terphenyl-d14	95242	12/18/95	0.922	1.67	55		18	130
8240	1,2-Dichloroethane-d4 Rep	9550077	12/14/95	4.20	5.00	84		78	121
	Toluene-d8	9550077	12/14/95	4.93	5.00	99		82	118
	4-Bromofluorobenzene Rep.	9550077	12/14/95	4.21	5.00	84		74	121
9512201*3									
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0110	0.0083	133		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0049	0.0083	59		50	164
8080	Tetrachloro-meta-xylene	R95191	12/19/95	0.0110	0.0083	133		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0049	0.0083	59		50	164
8270	2-Fluorophenol	95242	12/18/95	1.84	2.50	74		25	110
	Phenol-d5	95242	12/18/95	2.17	2.50	87		31	110
	Nitrobenzene-d5	95242	12/18/95	1.32	1.67	79		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.41	1.67	84		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.81	2.50	72		28	110
	Terphenyl-d14	95242	12/18/95	1.22	1.67	73		18	130
8240	1,2-Dichloroethane-d4 Rep	9550077	12/14/95	4.07	5.00	81		78	121
	Toluene-d8	9550077	12/14/95	4.93	5.00	99		82	118
	4-Bromofluorobenzene Rep.	9550077	12/14/95	4.34	5.00	87		74	121
9512201*4									
8080	Tetrachloro-meta-xylene	R95191	12/20/95	0.0139	0.0083	167	Q	38	155
	Decachlorobiphenyl	95191	12/20/95	0.0046	0.0083	55		50	164
8080	Tetrachloro-meta-xylene	R95191	12/20/95	0.0139	0.0083	167	Q	38	155
	Decachlorobiphenyl	95191	12/20/95	0.0046	0.0083	55		50	164
8270	2-Fluorophenol	95242	12/20/95	2.34	2.50	94		25	110
	Phenol-d5	95242	12/20/95	2.75	2.50	110		31	110

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
	Nitrobenzene-d5	95242	12/20/95	1.75	1.67	105		34	110
	2-Fluorobiphenyl	95242	12/20/95	1.82	1.67	109		38	110
	2,4,6-Tribromophenol Rep.	95242	12/20/95	1.93	2.50	77		28	110
	Terphenyl-d14	95242	12/20/95	1.73	1.67	104		18	130
8240	1,2-Dichloroethane-d4 Rep	9550075	12/13/95	0.0382	0.0500	76	Q	78	121
	Toluene-d8	9550075	12/13/95	0.0492	0.0500	98		82	118
	4-Bromofluorobenzene Rep.	9550075	12/13/95	0.0379	0.0500	76		74	121
9512201*5									
8080	Tetrachloro-meta-xylene R	95191	12/19/95	0.0125	0.0083	151		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0051	0.0083	61		50	164
8080	Tetrachloro-meta-xylene R	95191	12/19/95	0.0125	0.0083	151		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0051	0.0083	61		50	164
8270	2-Fluorophenol	95242	12/18/95	2.14	2.50	86		25	110
	Phenol-d5	95242	12/18/95	2.52	2.50	101		31	110
	Nitrobenzene-d5	95242	12/18/95	1.56	1.67	93		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.65	1.67	99		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	2.31	2.50	92		28	110
	Terphenyl-d14	95242	12/18/95	1.39	1.67	83		18	130
8240	1,2-Dichloroethane-d4 Rep	9550075	12/13/95	0.0384	0.0500	77	Q	78	121
	Toluene-d8	9550075	12/13/95	0.0483	0.0500	97		82	118
	4-Bromofluorobenzene Rep.	9550075	12/13/95	0.0400	0.0500	80		74	121
9512201*6									
8080	Tetrachloro-meta-xylene R	95191	12/19/95	0.0034	0.0083	41		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0039	0.0083	47	Q	50	164
8080	Tetrachloro-meta-xylene R	95191	12/19/95	0.0034	0.0083	41		38	155
	Decachlorobiphenyl	95191	12/19/95	0.0039	0.0083	47	Q	50	164
8270	2-Fluorophenol	95242	12/18/95	2.16	2.50	86		25	110
	Phenol-d5	95242	12/18/95	2.55	2.50	102		31	110
	Nitrobenzene-d5	95242	12/18/95	1.60	1.67	96		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.69	1.67	101		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	2.32	2.50	93		28	110
	Terphenyl-d14	95242	12/18/95	1.50	1.67	90		18	130
8240	1,2-Dichloroethane-d4 Rep	9550077	12/14/95	4.16	5.00	83		78	121
	Toluene-d8	9550077	12/14/95	4.84	5.00	97		82	118
	4-Bromofluorobenzene Rep.	9550077	12/14/95	4.26	5.00	85		74	121
9512201*7									
8080	Tetrachloro-meta-xylene R	95191	12/20/95	0.0136	0.0083	164	Q	38	155
	Decachlorobiphenyl	95191	12/20/95	0.0051	0.0083	61		50	164
8080	Tetrachloro-meta-xylene R	95191	12/20/95	0.0136	0.0083	164	Q	38	155
	Decachlorobiphenyl	95191	12/20/95	0.0051	0.0083	61		50	164
8270	2-Fluorophenol	95242	12/18/95	2.11	2.50	84		25	110
	Phenol-d5	95242	12/18/95	2.50	2.50	100		31	110
	Nitrobenzene-d5	95242	12/18/95	1.63	1.67	98		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.67	1.67	100		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.94	2.50	78		28	110
	Terphenyl-d14	95242	12/18/95	1.36	1.67	81		18	130
8240	1,2-Dichloroethane-d4 Rep	9550077	12/14/95	4.01	5.00	80		78	121
	Toluene-d8	9550077	12/14/95	4.81	5.00	96		82	118
	4-Bromofluorobenzene Rep.	9550077	12/14/95	4.17	5.00	83		74	121

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
95[redacted]1*8									
8080	Tetrachloro-meta-xylene	R95191	12/22/95	0.0110	0.0083	133		38	155
	Decachlorobiphenyl	95191	12/22/95	0.0025	0.0083	30	Q	50	164
8080	Tetrachloro-meta-xylene	R95191	12/22/95	0.0110	0.0083	133		38	155
	Decachlorobiphenyl	95191	12/22/95	0.0025	0.0083	30	Q	50	164
8270	2-Fluorophenol	95242	12/15/95	2.25	2.50	90		25	110
	Phenol-d5	95242	12/15/95	2.65	2.50	106		31	110
	Nitrobenzene-d5	95242	12/15/95	1.68	1.67	101		34	110
	2-Fluorobiphenyl	95242	12/15/95	1.71	1.67	102		38	110
	2,4,6-Tribromophenol	Rep.95242	12/15/95	2.34	2.50	94		28	110
	Terphenyl-d14	95242	12/15/95	1.47	1.67	88		18	130
8240	1,2-Dichloroethane-d4	Rep9550077	12/14/95	4.11	5.00	82		78	121
	Toluene-d8	9550077	12/14/95	4.93	5.00	99		82	118
	4-Bromofluorobenzene	Rep.9550077	12/14/95	4.21	5.00	84		74	121
9512201*9									
8240	1,2-Dichloroethane-d4	Rep9550076	12/14/95	0.0483	0.0500	97		78	121
	Toluene-d8	9550076	12/14/95	0.0477	0.0500	95		82	118
	4-Bromofluorobenzene	Rep.9550076	12/14/95	0.0468	0.0500	94		74	121
9512201*10									
8240	1,2-Dichloroethane-d4	Rep9550075	12/13/95	0.0380	0.0500	76	Q	78	121
	Toluene-d8	9550075	12/13/95	0.0503	0.0500	101		82	118
	4-Bromofluorobenzene	Rep.9550075	12/13/95	0.0402	0.0500	80		74	121
9512201*11									
8240	1,2-Dichloroethane-d4	Rep9550075	12/13/95	0.0372	0.0500	74	Q	78	121
	Toluene-d8	9550075	12/13/95	0.0492	0.0500	98		82	118
	4-Bromofluorobenzene	Rep.9550075	12/13/95	0.0411	0.0500	82		74	121
9512201*12									
8240	1,2-Dichloroethane-d4	Rep9550076	12/14/95	0.0488	0.0500	98		78	121
	Toluene-d8	9550076	12/14/95	0.0482	0.0500	96		82	118
	4-Bromofluorobenzene	Rep.9550076	12/14/95	0.0478	0.0500	96		74	121
9512201*13									
8240	1,2-Dichloroethane-d4	Rep9550076	12/14/95	0.0473	0.0500	95		78	121
	Toluene-d8	9550076	12/14/95	0.0485	0.0500	97		82	118
	4-Bromofluorobenzene	Rep.9550076	12/14/95	0.0464	0.0500	93		74	121
9512201*14									
8240	1,2-Dichloroethane-d4	Rep9550076	12/14/95	0.0471	0.0500	94		78	121
	Toluene-d8	9550076	12/14/95	0.0486	0.0500	97		82	118
	4-Bromofluorobenzene	Rep.9550076	12/14/95	0.0469	0.0500	94		74	121
95[redacted]1*15									
8240	1,2-Dichloroethane-d4	Rep951018	12/18/95	40.0	50.0	80		79	114
	Toluene-d8	951018	12/18/95	50.9	50.0	102		92	110

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
	4-Bromofluorobenzene Rep.	951018	12/18/95	44.4	50.0	89		85	111
9512201*16									
8240	1,2-Dichloroethane-d4 Rep	951018	12/18/95	38.6	50.0	77	Q	79	114
	Toluene-d8	951018	12/18/95	49.8	50.0	100		92	110
	4-Bromofluorobenzene Rep.	951018	12/18/95	43.9	50.0	88		85	111

ANALYTICAL REPORT

B C Analytical

801 Western Avenue
Glendale, CA 91201
[redacted]247-5737
Fax: 818/247-9797

LOG NO: G95-12-219

Received: 12 DEC 95

Mailed: DEC 28

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
[redacted]stion (3050), Date	12/19/95	12/19/95	12/19/95	12/19/95	12/19/95
Furnace Digestion (3050), Date	12/19/95	12/19/95	12/19/95	12/19/95	12/19/95

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Pesticides (8080)					
Date Analyzed	12/19/95	12/19/95	12/19/95	12/19/95	12/20/95
Date Extracted	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1	1	1
Aldrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Chlordane, mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02
p,p'-DDD, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
p,p'-DDE, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
p,p'-DDT, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Dieldrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan I, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan II, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endosulfan sulfate, mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Endrin, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Endrin aldehyde, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Heptachlor epoxide, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Heptachlor, mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Methoxychlor, mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Toxaphene, mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04
BHC, alpha isomer, mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
BHC, beta isomer, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
BHC, delta isomer, mg/kg	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
BHC, gamma isomer (Lindane), mg/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
[redacted]rrogates **					
[redacted]ecachlorobiphenyl Reported, mg/kg	0.0014	0.0160	0.0028	0.0028	0.0027
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0042	0.0105	0.0077	0.0089	0.0087
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083

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12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
PCBs (8080)					
Date Analyzed	12/19/95	12/19/95	12/19/95	12/19/95	12/20/95
Date Extracted	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	1	1	1
Aroclor 1016, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1221, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1232, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1242, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1248, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1254, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Aroclor 1260, mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03
Surrogates **					
Decachlorobiphenyl Reported, mg/kg	0.0014	0.0160	0.0028	0.0028	0.0027
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0042	0.0105	0.0077	0.0089	0.0087
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	3.2	3.4	4.5	3.5	3.1
Antimony (6010), mg/kg	<10	<10	<10	18	<10
Barium (6010), mg/kg	140	150	160	230	150

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REPORT OF ANALYTICAL RESULTS

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12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Beryllium (6010), mg/kg	0.57	0.60	0.57	0.57	0.56
Cadmium (6010), mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (6010), mg/kg	20	22	19	21	15
Cobalt (6010), mg/kg	10	9.0	9.3	8.6	8.2
Copper (6010), mg/kg	63	29	32	34	43
Lead (6010), mg/kg	11	14	21	33	8.5
Mercury (7471), mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	3.5	2.7	3.7	4.2	3.6
Nickel (6010), mg/kg	30	27	26	25	25
Selenium (7740), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7	<7	<7
Vanadium (6010), mg/kg	48	58	52	56	46
Zinc (6010), mg/kg	110	65	68	69	65

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REPORT OF ANALYTICAL RESULTS

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12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Semi-volatiles (8270)					
Date Analyzed	12/18/95	12/18/95	12/18/95	12/19/95	12/19/95
Date Extracted	12/14/95	12/14/95	12/14/95	12/14/95	12/14/95
Dilution Factor, Times	1	1	1	1	1
1,2,4-Trichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Diphenylhydrazine, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
1,3-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
1,4-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,4,5-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,4,6-Trichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dimethylphenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dinitrophenol, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
2,4-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2,6-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Chloronaphthalene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Chlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Methyl-4,6-dinitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Methylnaphthalene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Methylphenol (o-Cresol), mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
2-Nitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2

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801 Western Avenue
Glendale, CA 91201
818/247-5737
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LOG NO: G95-12-219

Received: 12 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
3,3'-Dichlorobenzidine, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
2-Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Bromophenylphenylether, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Chloro-3-methylphenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Chloroaniline, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Chlorophenylphenylether, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Methylphenol (p-Cresol), mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
4-Nitroaniline, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
4-Nitrophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Aniline, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Anthracene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzidine, mg/kg	<4	<4	<4	<4	<4
Benzo(a)anthracene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(b)fluoranthene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(g,h,i)perylene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(k)fluoranthene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzyl Alcohol, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Benzoic acid, mg/kg	<2	<2	<2	<2	<2
Butylbenzylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Chrysene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Di-n-octylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dibenzo(a,h)anthracene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dibenzofuran, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dibutylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Diethylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethylphthalate, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoranthene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Fluorene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Hexachlorobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Hexachlorobutadiene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Hexachlorocyclopentadiene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Hexachloroethane, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Isophorone, mg/kg	<0.2	<0.2	<0.2	<0.2	0.54
N-Nitrosodimethylamine, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
N-Nitrosodiphenylamine, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
N-Nitrosodi-n-propylamine, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrobenzene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Naphthalene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Phenanthrene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Phenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachlorophenol, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
[illegible]idine, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
[illegible](2-chloroethoxy)methane, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Bis(2-chloroethyl)ether, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Bis(2-chloroisopropyl)ether, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Bis(2-ethylhexyl)phthalate, mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Surrogates **					
2-Fluorobiphenyl Reported, mg/kg	1.18	1.47	1.48	1.44	1.49
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	1.60	1.92	2.03	2.08	2.04
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	1.47	1.91	1.86	1.54	1.92
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.13	1.42	1.43	1.51	1.52
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	1.87	2.29	2.37	2.46	2.50
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	0.998	1.28	1.29	1.27	1.36
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67	1.67	1.67

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Vol.Pri.Poll. (8240)					
Date Analyzed	12/14/95	12/14/95	12/15/95	12/15/95	12/15/95
Date Extracted	---	---	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.005	0.0072	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
2-Hexanone, mg/kg	<0.03	<0.03	<3	<3	<3
Acetone, mg/kg	<0.1	<0.1	<10	<10	<10
Acrolein, mg/kg	<0.3	<0.3	<30	<30	<30
Acrylonitrile, mg/kg	<0.3	<0.3	<30	<30	<30
Bromodichloromethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
Chlorobenzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<0.01	<0.01	<1	<1	<1
Dibromochloromethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Ethylbenzene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Freon 113, mg/kg	<0.01	0.0072	<1	<1	<1
Methyl ethyl ketone, mg/kg	<0.03	<0.03	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<0.03	<0.03	<3	<3	<3
Methylene chloride, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Styrene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.005	0.026	<0.5	<0.5	<0.5
Trichlorofluoromethane, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Toluene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	0.010	0.098	1.5	1.1	1.2
Vinyl acetate, mg/kg	<0.05	<0.05	<5	<5	<5
Vinyl chloride, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Total Xylene Isomers, mg/kg	<0.02	<0.02	<2	<2	<2
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-1	SB-1-3.0	12 DEC 95
12-219-2	SB-3-1.7	12 DEC 95
12-219-3	SB-6-2.1	12 DEC 95
12-219-4	SB-13-1.8	12 DEC 95
12-219-5	SB-8-2.1	12 DEC 95

PARAMETER	12-219-1	12-219-2	12-219-3	12-219-4	12-219-5
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.5	<0.5	<0.5
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.0586	0.0580	4.40	4.51	5.10
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	0.0500	5.00	5.00	5.00
4-Bromofluorobenzene Rep., mg/kg	0.0465	0.0463	4.17	4.18	4.12
4-Bromofluorobenzene Theo., mg/kg	0.0500	0.0500	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	0.0475	0.0478	4.83	4.90	4.81
Toluene-d8 Theo., mg/kg	0.0500	0.0500	5.00	5.00	5.00

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-6	SB-1-6.5	12 DEC 95
12-219-7	SB-3-6.6	12 DEC 95
12-219-8	SB-6-6.5	12 DEC 95
12-219-9	SB-13-6.7	12 DEC 95
12-219-10	SB-8-6.6	12 DEC 95

PARAMETER	12-219-6	12-219-7	12-219-8	12-219-9	12-219-10
3550/8080 Prep (3550), Date	12/15/95	12/15/95	12/15/95	12/15/95	12/15/95
3550/8270 Prep (3550), Date	12/14/95	12/14/95	12/14/95	12/14/95	12/14/95

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-6	SB-1-6.5	12 DEC 95
12-219-7	SB-3-6.6	12 DEC 95
12-219-8	SB-6-6.5	12 DEC 95
12-219-9	SB-13-6.7	12 DEC 95
12-219-10	SB-8-6.6	12 DEC 95

PARAMETER	12-219-6	12-219-7	12-219-8	12-219-9	12-219-10
Vol.Pri.Poll. (8240)					
Date Analyzed	12/14/95	12/14/95	12/14/95	12/14/95	12/15/95
Date Extracted	---	---	---	---	12/15/95
Dilution Factor, Times	1	1	1	1	100
1,1,1-Trichloroethane, mg/kg	<0.005	<0.005	0.0078	0.0081	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,1,2-Trichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,1-Dichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,1-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,2-Dichloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,2-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,2-Dichloropropane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,3-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
1,4-Dichlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
2-Chloroethylvinylether, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
2-Hexanone, mg/kg	<0.03	<0.03	<0.03	<0.03	<3
Acetone, mg/kg	<0.1	<0.1	<0.1	<0.1	<10
Acrolein, mg/kg	<0.3	<0.3	<0.3	<0.3	<30
Acrylonitrile, mg/kg	<0.3	<0.3	<0.3	<0.3	<30
Bromodichloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Bromomethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Benzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Bromoform, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-6	SB-1-6.5	12 DEC 95
12-219-7	SB-3-6.6	12 DEC 95
12-219-8	SB-6-6.5	12 DEC 95
12-219-9	SB-13-6.7	12 DEC 95
12-219-10	SB-8-6.6	12 DEC 95

PARAMETER	12-219-6	12-219-7	12-219-8	12-219-9	12-219-10
Chlorobenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Carbon Tetrachloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Chloroethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Chloroform, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Chloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Carbon Disulfide, mg/kg	<0.01	<0.01	<0.01	<0.01	<1
Dibromochloromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Ethylbenzene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Freon 113, mg/kg	<0.01	0.0085	<0.01	<0.01	<1
Methyl ethyl ketone, mg/kg	<0.03	<0.03	<0.03	<0.03	<3
Methyl isobutyl ketone, mg/kg	<0.03	<0.03	<0.03	<0.03	<3
Methylene chloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Styrene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Trichloroethene, mg/kg	<0.005	0.012	0.0076	0.0069	<0.5
Trichlorofluoromethane, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Toluene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Tetrachloroethene, mg/kg	0.017	0.069	0.11	0.13	0.79
Vinyl acetate, mg/kg	<0.05	<0.05	<0.05	<0.05	<5
Vinyl chloride, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Total Xylene Isomers, mg/kg	<0.02	<0.02	<0.02	<0.02	<2
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-219

Received: 12 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-219-6	SB-1-6.5	12 DEC 95
12-219-7	SB-3-6.6	12 DEC 95
12-219-8	SB-6-6.5	12 DEC 95
12-219-9	SB-13-6.7	12 DEC 95
12-219-10	SB-8-6.6	12 DEC 95

PARAMETER	12-219-6	12-219-7	12-219-8	12-219-9	12-219-10
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.005	<0.005	<0.005	<0.5
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.0547	0.0559	0.0530	0.0537	4.20
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	5.00
4-Bromofluorobenzene Rep., mg/kg	0.0470	0.0472	0.0475	0.0468	4.12
4-Bromofluorobenzene Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	5.00
Toluene-d8 Reported, mg/kg	0.0479	0.0482	0.0473	0.0477	4.88
Toluene-d8 Theo., mg/kg	0.0500	0.0500	0.0500	0.0500	5.00

BCA

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15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-219-11	TB-121295	12 DEC 95
12-219-12	RB-121295	12 DEC 95

PARAMETER	12-219-11	12-219-12			
Vol.Pri.Poll. (8240)					
Date Analyzed	12/18/95	12/19/95			
Dilution Factor, Times	1	1			
1,1,1-Trichloroethane, ug/L	<1	<1			
1,1,2,2-Tetrachloroethane, ug/L	<1	<1			
1,1,2-Trichloroethane, ug/L	<1	<1			
1,1-Dichloroethane, ug/L	<1	<1			
1,1-Dichloroethene, ug/L	<1	<1			
1,2-Dichloroethane, ug/L	<1	<1			
1,2-Dichlorobenzene, ug/L	<1	<1			
1,2-Dichloropropane, ug/L	<1	<1			
1,3-Dichlorobenzene, ug/L	<1	<1			
1,4-Dichlorobenzene, ug/L	<1	<1			
2-Chloroethylvinylether, ug/L	<5	<5			
2-Hexanone, ug/L	<5	<5			
Acetone, ug/L	<20	<20			
Acrolein, ug/L	<50	<50			
Acrylonitrile, ug/L	<50	<50			
Bromodichloromethane, ug/L	<1	<1			
Bromomethane, ug/L	<1	<1			
Benzene, ug/L	<1	<1			
Bromoform, ug/L	<1	<1			
Chlorobenzene, ug/L	<1	<1			
Carbon Tetrachloride, ug/L	<1	<1			
Chloroethane, ug/L	<1	<1			
Chloroform, ug/L	<1	<1			

BCA

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-219-11	TB-121295	12 DEC 95
12-219-12	RB-121295	12 DEC 95

PARAMETER	12-219-11	12-219-12	
Chloromethane, ug/L	<1	<1	
Carbon Disulfide, ug/L	<2	<2	
Dibromochloromethane, ug/L	<1	<1	
Ethylbenzene, ug/L	<1	<1	
Freon 113, ug/L	<2	<2	
Methyl ethyl ketone, ug/L	<5	<5	
Methyl isobutyl ketone, ug/L	<5	<5	
Methylene chloride, ug/L	<2	<2	
Styrene, ug/L	<1	<1	
Trichloroethene, ug/L	<1	<1	
Trichlorofluoromethane, ug/L	<1	<1	
Toluene, ug/L	<1	7.4	
Tetrachloroethene, ug/L	<1	<1	
Vinyl acetate, ug/L	<10	<10	
Vinyl chloride, ug/L	<1	<1	
Total Xylene Isomers, ug/L	<3	<3	
cis-1,2-Dichloroethene, ug/L	<1	<1	
cis-1,3-Dichloropropene, ug/L	<1	<1	
trans-1,2-Dichloroethene, ug/L	<1	<1	
trans-1,3-Dichloropropene, ug/L	<1	<1	
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	45.3	36.6	
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	
4-Bromofluorobenzene Rep., ug/L	43.4	42.6	
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	
Toluene-d8 Reported, ug/L	51.0	47.5	

BCA

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England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-219-11	TB-121295	12 DEC 95
12-219-12	RB-121295	12 DEC 95

PARAMETER	12-219-11	12-219-12
Toluene-d8 Theo., ug/L	50.0	50.0

Jane Freemyer, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 12/12/95 PAGE 1 OF 1

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2
PROJECT MANAGER: DENNIS ENGLAND Phone No.:
QA MANAGER: MIKE PALMER ~~FAX No.~~ (619) 454-0165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CRANHAM, Greg Stewart

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	Lab water	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-mL VOA vial	3" x 6" Brass tube	ANALYSES REQUESTED: EPA 8240	EPA 8270	EPA 8080	CCR Metals T22	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: Extract only for EPA 8270, 8080
	TB-121295	12/10/95	0900				X	X				X	2		X					
	SB-1-3.0		0913	X								X		1	X	X	X	X		
	SB-1-6.5		0935	X								X		1	X					X
	SB-3-1.7		0945	X								X		1	X	X	X	X		
	SB-3-6.6		1012	X								X		1	X					X
	SB-6-2.1		1026	X								X		1	X	X	X	X		
	SB-6-6.5		1050	X								X		1	X					X
	SB-13-1.8		1105	X								X		1	X	X	X	X		
	SB-13-6.7		1130	X								X		1	X					X
	RB-121295		1145				X	X				X	2		X					
	SB-8-2.1		1148	X								X		1	X	X	X	X		
	SB-8-6.5		1225	X								X		1	X					X

Total number of Containers per analysis: 4 | 10

SPECIAL HANDLING: Extract only for EPA 8270, 8080

Total No. of Containers: 14

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA

G9512219

REMARKS: ARROW INDICATES BOTTOM OF SAMPLE TUBE. ANALYZE SAMPLE FROM THAT END.

Relinquished by	Date	Received by:	Date
	12/12/95		12/12/95
H+A	Time 18:52	BCA	Time 18:52
Company		Company	
Relinquished by	Date	Received by:	Date
Company	Time	Laboratory	Time

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER
FAX: (619) 454-5837

☐ 3385 N. CAMPBELL, SUITE 121 TUCSON, AZ 85719 (602) 881-7300
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
☐ 111 NORTH SEPULVEDA BLVD., SUITE 350 MANHATTAN BEACH, CA 90266 (310) 372-7992
☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569

Send invoice to La Jolla CA
Business Office Attn: [illegible] Sturek

ORIGINAL - LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9512219 :
: BC ANALYTICAL : GLEN LAB : 10:15:48 28 DEC 1995 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
95[redacted]19*1	SB-1-3.0	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512219*2	SB-3-1.7	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512219*3	SB-6-2.1	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.18.95	8270	537-11	95242	6750
		8240.HSL	12.15.95	8240	537-05	9550079	7430
9512219*4	SB-13-1.8	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.19.95	8270	537-11	95242	6750
		8240.HSL	12.15.95	8240	537-05	9550079	7430
9512219*5	SB-8-2.1	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.20.95	8080	536-27	95192	7616
		8080,PCB	12.20.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.18.95	7471	534-06	952191	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.19.95	8270	537-11	95242	6750
		8240.HSL	12.15.95	8240	537-05	9550079	7430
9512219*6	SB-1-6.5	3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.14.95	3550		95242	7643
		8240.HSL	12.14.95	8240	537-05	9550076	7430
9512219*7	SB-3-6.6	3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.14.95	3550		95242	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512219*8	SB-6-6.5	3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.14.95	3550		95242	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512219*9	SB-13-6.7	3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.14.95	3550		95242	7643
		8240.HSL	12.14.95	8240	537-01	9550076	7430
9512219*10	SB-8-6.6	3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.14.95	3550		95242	7643
		8240.HSL	12.15.95	8240	537-05	9550079	7430
9512219*11	TB-121295	VOA.8240.HSL	12.18.95	8240	537-05	951018	7430
9512219*12	RB-121295	VOA.8240.HSL	12.19.95	8240	537-05	951019	7430

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	91	-	82	-	63	132	11	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	110	-	125	-	51	157	12	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	106	-	111	-	70	136	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	87	-	84	-	72	125	3	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	100	-	89	-	64	134	12	-	-	93	-	104	-	48	127	10	27	-
1,2-Dichloroethane	ug/L	0	1	-	95	-	91	-	78	122	4	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	105	-	104	-	75	130	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	99	-	97	-	78	123	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	105	-	104	-	75	125	1	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	106	-	101	-	76	126	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	121	-	128	-	11	195	6	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	128	-	143	-	4	228	10	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	3.8	20	-	65	-	80	-	25	190	20	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	23	Q	32	-	30	183	33	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	47	-	53	-	34	182	12	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	103	-	109	-	79	123	6	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	84	-	66	-	61	152	24	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	97	-	92	-	73	124	5	-	-	96	-	106	-	65	125	11	26	-
Bromoform	ug/L	0	1	-	96	-	103	-	58	148	7	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	105	-	106	-	75	126	1	-	-	101	-	115	-	76	132	14	23	-
Carbon Tetrachloride	ug/L	0	1	-	96	-	85	-	70	132	12	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	96	-	79	-	58	140	19	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	86	-	92	-	74	124	6	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	78	-	63	-	56	145	21	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	97	-	77	-	62	133	23	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	105	-	107	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	106	-	111	-	72	131	5	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	104	-	85	-	54	146	19	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	92	-	96	-	21	198	3	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	109	-	133	-	8	215	20	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	110	-	100	-	72	125	9	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	109	-	100	-	72	130	9	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	89	-	82	-	71	128	9	-	-	83	-	93	-	63	122	11	21	-
Trichlorofluoromethane	ug/L	0	1	-	105	-	97	-	45	149	8	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	111	-	109	-	78	123	2	-	-	109	-	122	-	63	132	11	22	-
Tetrachloroethene	ug/L	0	1	-	103	-	97	-	73	127	6	-	-	-	-	-	-	-	-	-	-	-
Vinyl [illegible]tate	ug/L	0	10	-	122	-	139	-	44	158	13	-	-	-	-	-	-	-	-	-	-	-
Vinyl [illegible]ride	ug/L	0	1	-	88	-	[illegible]8	-	56	144	12	-	-	-	-	-	-	-	-	[illegible]	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	111	-	103	-	72	133	7	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	88	-	87	-	74	124	1	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	107	-	107	-	79	124	1	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	94	-	84	-	69	130	11	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	105	-	106	-	70	133	1	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	81	-	-	86	-	85	-	79	114	-	-	-	84	-	82	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	89	-	-	104	-	108	-	85	111	-	-	-	104	-	112	Q	85	111	-	-	-
[Toluene-d8]	Percent	100	-	-	100	-	100	-	92	110	-	-	-	99	-	101	-	92	110	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951019 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	87	-	81	-	63	132	7	26	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	126	-	116	-	51	157	9	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	117	-	103	-	70	136	13	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	81	-	75	-	72	125	8	27	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	85	-	112	-	64	134	28	27	Q	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	94	-	81	-	78	122	15	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	108	-	101	-	75	130	6	24	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	100	-	90	-	78	123	11	26	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	106	-	101	-	75	125	5	26	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	105	-	100	-	76	126	5	25	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	88	-	120	-	11	195	31	30	Q	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	153	-	121	-	4	228	24	38	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	64	-	46	-	25	190	32	43	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	-	-	149	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	-	-	165	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	117	-	104	-	79	123	12	25	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	62	-	63	-	61	152	2	29	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	96	-	84	-	73	124	14	26	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	105	-	94	-	58	148	11	37	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	109	-	101	-	75	126	8	23	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	86	-	92	-	70	132	7	29	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	84	-	87	-	58	140	4	33	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	118	-	79	-	74	124	40	23	Q	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	66	-	72	-	56	145	10	37	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	76	-	63	-	62	133	20	29	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	116	-	104	-	73	131	10	28	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	116	-	70	Q	72	131	49	28	Q	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	72	-	88	-	54	146	20	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	82	-	79	-	21	198	4	34	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	119	-	119	-	8	215	0	37	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	105	-	63	Q	72	125	50	26	Q	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	112	-	100	-	72	130	12	32	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	82	-	75	-	71	128	9	21	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	87	-	98	-	45	149	13	27	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	114	-	101	-	78	123	12	22	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	183	Q	98	-	73	127	61	26	Q	-	-	-	-	-	-	-	-	-
Vinyl a[redacted]te	ug/L	0	10	-	115	-	112	-	44	158	3	42	-	-	-	-	-	-	-	-	[redacted]	-
Vinyl c[redacted]ide	ug/L	0	1	-	73	-	[redacted]	-	56	144	11	34	-	-	-	-	-	-	-	-	[redacted]	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951019 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	108	-	72	-	72	133	40	25	Q	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	87	-	80	-	74	124	9	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	114	-	103	-	79	124	10	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	84	-	76	-	69	130	10	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	112	-	100	-	70	133	12	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	75	-	Q	85	-	79	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	89	-	-	105	-	103	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	103	-	-	101	-	97	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: HG,SO*952191 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual																						
Mercury	mg/kg	0	0.1	-	91	-	91	-	83	124	1	-	-	97	-	94	-	65	136	4	30	-
Batch: 952205 Method: 6010 - ICAP Metals																						
Silver	mg/kg	0.11	1	-	100	-	96	-	72	117	4	-	-	84	-	84	-	51	127	0	30	-
Barium	mg/kg	0.070	0.5	-	98	-	96	-	75	114	2	-	-	96	-	111	-	63	129	6	30	-
Beryllium	mg/kg	0.011	0.1	-	100	-	99	-	79	110	2	-	-	102	-	106	-	68	131	4	30	-
Cadmium	mg/kg	0.24	0.5	-	101	-	99	-	75	118	2	-	-	85	-	86	-	55	125	1	30	-
Cobalt	mg/kg	0	4	-	100	-	98	-	71	112	2	-	-	96	-	99	-	59	117	3	30	-
Chromium	mg/kg	0	1	-	103	-	102	-	76	110	1	-	-	97	-	111	-	40	137	10	30	-
Copper	mg/kg	0.44	2	-	101	-	99	-	70	110	2	-	-	100	-	170	Q	54	122	27	30	-
Molybdenum	mg/kg	0	1	-	100	-	97	-	75	112	2	-	-	94	-	98	-	59	114	3	30	-
Nickel	mg/kg	0	4	-	102	-	101	-	73	114	1	-	-	97	-	105	-	52	126	5	30	-
Lead	mg/kg	0.82	5	-	101	-	98	-	73	116	3	-	-	100	-	105	-	42	139	4	30	-
Antimony	mg/kg	2.0	10	-	99	-	106	-	79	115	7	-	-	93	-	94	-	5	118	1	30	-
Thallium	mg/kg	0	7	-	103	-	95	-	71	110	9	-	-	102	-	107	-	58	119	4	30	-
Vanadium	mg/kg	0	4	-	101	-	99	-	80	110	2	-	-	99	-	107	-	67	115	5	30	-
Zinc	mg/kg	0	1	-	103	-	101	-	76	117	2	-	-	-	NC	-	NC	43	142	-	30	NC
Batch: AS,GFA*952206 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/kg	0	0.2	-	100	-	98	-	81	123	2	-	-	87	-	94	-	18	167	4	30	-
Batch: SE,GFA*952206 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/kg	0	0.4	-	108	-	110	-	83	114	2	-	-	82	-	87	-	4	148	5	30	-

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550076 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.005	-	110	-	-	-	67	135	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.005	-	88	-	-	-	63	173	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.005	-	98	-	-	-	62	156	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.005	-	103	-	-	-	79	118	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.005	-	109	-	-	-	68	131	-	-	-	99	-	104	-	41	148	4	28	-
1,2-Dichloroethane	mg/kg	0	0.005	-	101	-	-	-	77	129	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.005	-	104	-	-	-	85	118	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.005	-	105	-	-	-	79	125	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.005	-	103	-	-	-	84	118	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.005	-	102	-	-	-	85	117	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.005	-	76	-	-	-	21	189	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	0.03	-	87	-	-	-	18	254	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.0045	0.1	-	114	-	-	-	6	220	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	0.3	-	74	-	-	-	72	134	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	0.3	-	74	-	-	-	64	143	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.005	-	98	-	-	-	73	132	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.005	-	99	-	-	-	61	142	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.005	-	105	-	-	-	70	125	-	-	-	89	-	106	-	59	134	17	25	-
Bromoform	mg/kg	0	0.005	-	104	-	-	-	65	160	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.005	-	101	-	-	-	69	137	-	-	-	81	-	95	-	58	148	16	19	-
Carbon Tetrachloride	mg/kg	0	0.005	-	109	-	-	-	61	141	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.005	-	105	-	-	-	48	143	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.005	-	107	-	-	-	77	123	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.005	-	90	-	-	-	64	133	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	0.01	-	107	-	-	-	61	128	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.005	-	81	-	-	-	55	159	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.005	-	69	Q	-	-	70	137	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	0.01	-	113	-	-	-	66	133	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.03	-	87	-	-	-	27	230	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.03	-	86	-	-	-	44	207	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.005	-	95	-	-	-	78	119	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.005	-	100	-	-	-	65	140	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.005	-	120	-	-	-	72	129	-	-	-	107	-	118	-	53	135	9	29	-
Trichlorofluoromethane	mg/kg	0	0.005	-	109	-	-	-	66	134	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.005	-	97	-	-	-	68	139	-	-	-	84	-	95	-	57	139	13	19	-
Tetrachloroethene	mg/kg	0	0.005	-	102	-	-	-	63	144	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	0.05	-	39	Q	-	-	74	141	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.005	-	100	-	-	-	54	148	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550076 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	0.02	-	73	Q	-	-	85	115	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.005	-	103	-	-	-	74	122	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.005	-	93	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.005	-	104	-	-	-	73	122	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.005	-	93	-	-	-	55	147	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	96	-	-	102	-	-	-	87	125	-	-	-	104	-	105	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	99	-	-	-	85	111	-	-	-	97	-	98	-	74	121	-	-	-
[Toluene-d8]	Percent	96	-	-	97	-	-	-	94	113	-	-	-	97	-	97	-	82	118	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD			MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG		%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics																							
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	119	-	-	-	68	131	-	-	-		104	-	127	-	41	148	20	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	112	-	-	-	70	125	-	-	-		93	-	115	-	59	134	21	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	112	-	-	-	69	137	-	-	-		100	-	107	-	58	148	7	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	102	-	-	-	72	129	-	-	-		88	-	107	-	53	135	20	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	119	-	-	-	68	139	-	-	-		102	-	111	-	57	139	8	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	82	0	-	86	Q	-	-	87	125	-	-	-	84	-	96	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	85	0	-	83	Q	-	-	85	111	-	-	-	83	-	83	-	74	121	-	-	-
[Toluene-d8]	Percent	96	0	-	96	-	-	-	94	113	-	-	-	97	-	98	-	82	118	-	-	-
Batch: 8080*95192 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aldrin	mg/kg	0	0.0007	-	125	Q	114	-	42	122	9	-	-	112	-	116	-	42	122	3	24	-
Chlordane	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.0007	-	107	-	84	-	45	141	24	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.0007	-	113	-	101	-	44	145	11	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.0007	-	110	-	99	-	39	160	10	-	-	83	-	89	-	25	160	7	24	-
Dieldrin	mg/kg	0	0.0007	-	110	-	100	-	44	146	9	-	-	98	-	100	-	36	146	2	37	-
Endosulfan I	mg/kg	0	0.0007	-	87	-	93	-	45	146	7	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	0	0.0007	-	113	-	77	-	44	182	38	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.004	-	116	-	72	-	28	144	46	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0	0.0007	-	112	-	96	-	53	147	15	-	-	96	-	100	-	30	147	4	43	-
Endrin aldehyde	mg/kg	0	0.0007	-	93	-	61	-	42	176	41	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.0007	-	113	-	108	-	49	142	4	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0	0.0004	-	123	-	116	-	44	166	6	-	-	105	-	106	-	40	148	1	52	-
Methoxychlor	mg/kg	0	0.001	-	101	-	54	Q	58	155	60	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	0	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.0004	-	113	-	108	-	52	134	4	-	-	-	-	-	-	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.0007	-	113	-	105	-	17	122	8	-	-	-	-	-	-	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.0007	-	113	-	104	-	48	140	9	-	-	-	-	-	-	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0004	-	117	-	111	-	54	127	5	-	-	106	-	108	-	32	127	2	32	-
[Decachlorobiphenyl]	Percent	88	-	-	99	-	53	-	20	147	-	-	-	63	-	67	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	110	-	-	116	-	110	-	30	142	-	-	-	112	-	107	-	38	155	-	-	-

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD							RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8080,PCB*95192 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.03	-	78	-	87	-	78	129	11	-	-	82	-	83	-	43	123	1	55	-
[Decachlorobiphenyl]	Percent	88	-	-	55	-	123	-	20	147	-	-	-	70	-	69	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	110	-	-	107	-	110	-	30	142	-	-	-	111	-	107	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95242 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	90	-	72	-	44	116	22	-	-	78	-	75	-	44	115	4	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	98	-	81	-	35	127	19	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	88	-	79	-	43	128	11	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	89	-	73	-	32	110	20	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	90	-	74	-	35	110	20	-	-	77	-	75	-	20	124	2	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	105	-	86	-	23	154	19	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	79	-	67	-	37	144	17	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	80	-	80	-	39	129	1	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	94	-	79	-	32	119	18	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	83	-	68	-	1	191	21	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	102	-	84	-	39	139	19	-	-	80	-	75	-	39	139	6	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	74	-	63	-	50	152	16	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	65	-	53	-	32	110	20	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	91	-	77	-	35	116	16	-	-	80	-	78	-	45	110	2	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.2	-	80	-	67	-	1	181	17	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	98	-	82	-	5	165	17	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	88	-	77	-	36	114	14	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	100	-	82	-	38	144	20	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	90	-	76	-	32	130	18	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.4	-	99	-	82	-	1	262	19	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	103	-	84	-	30	152	20	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	93	-	69	-	56	127	29	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	101	-	87	-	35	130	15	-	-	89	-	83	-	40	137	7	32	-
4-Chloroaniline	mg/kg	0	0.2	-	101	-	86	-	31	126	16	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	97	-	79	-	48	132	20	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	85	-	78	-	25	124	8	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	115	-	92	-	3	187	23	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.2	-	93	-	75	-	1	132	21	-	-	69	-	65	-	19	132	6	46	-
Acenaphthene	mg/kg	0	0.2	-	106	-	87	-	47	132	19	-	-	83	-	77	-	47	122	7	34	-
Acenaphthylene	mg/kg	0	0.2	-	100	-	83	-	35	132	18	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	50	-	47	-	1	164	8	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	94	-	80	-	39	130	16	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	43	-	27	-	1	200	45	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	92	-	76	-	44	138	19	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	95	-	79	-	36	128	19	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	91	-	72	-	24	137	23	-	-	-	-	-	-	-	-	-	-	-
Benzo( )perylene	mg/kg	0	0.2	-	88	-	71	-	25	157	21	-	-	-	-	-	-	-	-	-	-	-
Benzo( )fluoranthene	mg/kg	0	0.2	-	106	-	89	-	39	142	18	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95242 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	mg/kg	0	0.4	-	94	-	76	-	3	161	21	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	48	-	43	-	1	183	11	-	-	--	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	92	-	77	-	37	151	17	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	98	-	79	-	43	147	21	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	99	-	83	-	21	146	18	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	83	-	68	-	30	154	20	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	97	-	79	-	54	121	20	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0	0.2	-	94	-	81	-	53	125	15	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	91	-	75	-	47	142	19	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	81	-	65	-	32	142	22	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	103	-	88	-	39	137	16	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	97	-	82	-	59	121	17	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	89	-	72	-	48	129	20	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	96	-	78	-	29	116	21	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.2	-	93	-	73	-	18	143	24	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	90	-	77	-	40	113	16	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	86	-	60	-	25	162	37	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	88	-	89	-	27	134	1	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	99	-	82	-	17	115	19	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	59	-	49	-	11	110	17	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	95	-	80	-	32	136	16	-	-	102	-	98	-	29	149	4	26	-
Nitrobenzene	mg/kg	0	0.2	-	95	-	80	-	39	115	17	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	95	-	79	-	39	114	18	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	98	-	84	-	54	120	15	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	84	-	72	-	7	110	15	-	-	73	-	70	-	34	122	4	38	-
Pentachlorophenol	mg/kg	0	0.2	-	91	-	74	-	14	163	20	-	-	70	-	68	-	20	165	2	47	-
Pyrene	mg/kg	0	0.2	-	90	-	73	-	52	149	21	-	-	84	-	80	-	52	115	6	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	79	-	67	-	37	130	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	104	-	88	-	40	123	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	92	-	78	-	36	140	17	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0	0.4	-	82	-	70	-	41	147	16	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	94	-	-	103	-	84	-	43	116	-	-	-	86	-	81	-	38	110	-	-	-
[2-Fluorophenol]	Percent	84	-	-	96	-	77	-	21	100	-	-	-	79	-	75	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	77	-	-	101	-	74	-	40	123	-	-	-	80	-	73	-	28	110	-	-	-
[Nitrobenzene-d5]	Percent	92	-	-	108	-	86	-	37	114	-	-	-	87	-	81	-	34	110	-	-	-
[Phenol-d5]	Percent	101	-	-	106	Q	86	-	10	93	-	-	-	89	-	86	-	31	110	-	-	-
[Terphenyl-d14]	Percent	86	-	-	86	-	69	-	33	141	-	-	-	74	-	68	-	18	130	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 10:16:36 28 DEC 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9512219*1									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0042	0.0083	51		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0014	0.0083	17	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0042	0.0083	51		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0014	0.0083	17	Q	50	164
8270	2-Fluorophenol	95242	12/18/95	1.60	2.50	64		25	110
	Phenol-d5	95242	12/18/95	1.87	2.50	75		31	110
	Nitrobenzene-d5	95242	12/18/95	1.13	1.67	68		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.18	1.67	71		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.47	2.50	59		28	110
	Terphenyl-d14	95242	12/18/95	0.998	1.67	60		18	130
8240	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0586	0.0500	117		78	121
	Toluene-d8	9550076	12/14/95	0.0475	0.0500	95		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0465	0.0500	93		74	121
9512219*2									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0105	0.0083	127		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0160	0.0083	193	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0105	0.0083	127		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0160	0.0083	193	Q	50	164
8270	2-Fluorophenol	95242	12/18/95	1.92	2.50	77		25	110
	Phenol-d5	95242	12/18/95	2.29	2.50	92		31	110
	Nitrobenzene-d5	95242	12/18/95	1.42	1.67	85		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.47	1.67	88		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.91	2.50	76		28	110
	Terphenyl-d14	95242	12/18/95	1.28	1.67	77		18	130
8240	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0580	0.0500	116		78	121
	Toluene-d8	9550076	12/14/95	0.0478	0.0500	96		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0463	0.0500	93		74	121
9512219*3									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0077	0.0083	93		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0028	0.0083	34	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0077	0.0083	93		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0028	0.0083	34	Q	50	164
8270	2-Fluorophenol	95242	12/18/95	2.03	2.50	81		25	110
	Phenol-d5	95242	12/18/95	2.37	2.50	95		31	110
	Nitrobenzene-d5	95242	12/18/95	1.43	1.67	86		34	110
	2-Fluorobiphenyl	95242	12/18/95	1.48	1.67	89		38	110
	2,4,6-Tribromophenol Rep.	95242	12/18/95	1.86	2.50	74		28	110
	Terphenyl-d14	95242	12/18/95	1.29	1.67	77		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/15/95	4.40	5.00	88		78	121
	Toluene-d8	9550079	12/15/95	4.83	5.00	97		82	118
	4-Bromofluorobenzene Rep.	9550079	12/15/95	4.17	5.00	83		74	121
9512219*4									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0089	0.0083	107		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0028	0.0083	34	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0089	0.0083	107		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0028	0.0083	34	Q	50	164
8270	2-Fluorophenol	95242	12/19/95	2.08	2.50	83		25	110
	Phenol-d5	95242	12/19/95	2.46	2.50	98		31	110

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
	Nitrobenzene-d5	95242	12/19/95	1.51	1.67	90		34	110
	2-Fluorobiphenyl	95242	12/19/95	1.44	1.67	86		38	110
	2,4,6-Tribromophenol Rep.	95242	12/19/95	1.54	2.50	62		28	110
	Terphenyl-d14	95242	12/19/95	1.27	1.67	76		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/15/95	4.51	5.00	90		78	121
	Toluene-d8	9550079	12/15/95	4.90	5.00	98		82	118
	4-Bromofluorobenzene Rep.	9550079	12/15/95	4.18	5.00	84		74	121
9512219*5									
8080	Tetrachloro-meta-xylene R	95192	12/20/95	0.0087	0.0083	105		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0027	0.0083	33	Q	50	164
8080	Tetrachloro-meta-xylene R	95192	12/20/95	0.0087	0.0083	105		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0027	0.0083	33	Q	50	164
8270	2-Fluorophenol	95242	12/19/95	2.04	2.50	82		25	110
	Phenol-d5	95242	12/19/95	2.50	2.50	100		31	110
	Nitrobenzene-d5	95242	12/19/95	1.52	1.67	91		34	110
	2-Fluorobiphenyl	95242	12/19/95	1.49	1.67	89		38	110
	2,4,6-Tribromophenol Rep.	95242	12/19/95	1.92	2.50	77		28	110
	Terphenyl-d14	95242	12/19/95	1.36	1.67	81		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/15/95	5.10	5.00	102		78	121
	Toluene-d8	9550079	12/15/95	4.81	5.00	96		82	118
	4-Bromofluorobenzene Rep.	9550079	12/15/95	4.12	5.00	82		74	121
9512219*6									
82	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0547	0.0500	109		78	121
	Toluene-d8	9550076	12/14/95	0.0479	0.0500	96		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0470	0.0500	94		74	121
9512219*7									
8240	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0559	0.0500	112		78	121
	Toluene-d8	9550076	12/14/95	0.0482	0.0500	96		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0472	0.0500	94		74	121
9512219*8									
8240	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0530	0.0500	106		78	121
	Toluene-d8	9550076	12/14/95	0.0473	0.0500	95		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0475	0.0500	95		74	121
9512219*9									
8240	1,2-Dichloroethane-d4 Rep	9550076	12/14/95	0.0537	0.0500	107		78	121
	Toluene-d8	9550076	12/14/95	0.0477	0.0500	95		82	118
	4-Bromofluorobenzene Rep.	9550076	12/14/95	0.0468	0.0500	94		74	121
9512219*10									
8240	1,2-Dichloroethane-d4 Rep	9550079	12/15/95	4.20	5.00	84		78	121
	Toluene-d8	9550079	12/15/95	4.88	5.00	98		82	118
	4-Bromofluorobenzene Rep.	9550079	12/15/95	4.12	5.00	82		74	121
9512219*11									

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
8240	1,2-Dichloroethane-d4 Rep	951018	12/18/95	45.3	50.0	91		79	114
	Toluene-d8	951018	12/18/95	51.0	50.0	102		92	110
	4-Bromofluorobenzene Rep.	951018	12/18/95	43.4	50.0	87		85	111
9512219*12									
8240	1,2-Dichloroethane-d4 Rep	951019	12/19/95	36.6	50.0	73	Q	79	114
	Toluene-d8	951019	12/19/95	47.5	50.0	95		92	110
	4-Bromofluorobenzene Rep.	951019	12/19/95	42.6	50.0	85		85	111

The raw data (chromatograms, calibration summaries, etc.), included in this lab report for Level III data review purposes for VOCs, has been left out due to large volume. Level III data will be kept on file.

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
FAX 818/247-9797

ANALYTICAL REPORT

LOG NO: G95-12-277

Received: 13 DEC 95

Mailed: DEC 28

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2
Digestion (3050), Date	12/19/95	12/19/95
Furnace Digestion (3050), Date	12/19/95	12/19/95

BCA

B C Analytical

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Glendale, CA 91201
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Fax: 818/247-9797

LOG NO: G95-12-277

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2
Pesticides (8080)		
Date Analyzed	12/20/95	12/20/95
Date Extracted	12/15/95	12/15/95
Dilution Factor, Times	1	1
Aldrin, mg/kg	<0.0007	<0.0007
Chlordane, mg/kg	<0.02	<0.02
p,p'-DDD, mg/kg	<0.0007	<0.0007
p,p'-DDE, mg/kg	<0.0007	<0.0007
p,p'-DDT, mg/kg	<0.0007	<0.0007
Dieldrin, mg/kg	<0.0007	<0.0007
Endosulfan I, mg/kg	<0.0007	<0.0007
Endosulfan II, mg/kg	<0.0007	<0.0007
Endosulfan sulfate, mg/kg	<0.004	<0.004
Endrin, mg/kg	<0.0007	<0.0007
Endrin aldehyde, mg/kg	<0.0007	<0.0007
Heptachlor epoxide, mg/kg	<0.0007	<0.0007
Heptachlor, mg/kg	<0.0004	<0.0004
Methoxychlor, mg/kg	<0.001	<0.001
Toxaphene, mg/kg	<0.04	<0.04
BHC, alpha isomer, mg/kg	<0.0004	<0.0004
BHC, beta isomer, mg/kg	<0.0007	<0.0007
BHC, delta isomer, mg/kg	<0.0007	<0.0007
BHC, gamma isomer (Lindane), mg/kg	<0.0004	<0.0004
Surrogates **		
Decachlorobiphenyl Reported, mg/kg	0.0033	0.0053
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083

BCA

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LOG NO: G95-12-277

Received: 13 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2	
Tetrachloro-meta-xylene Rpt., mg/kg	0.0094	0.0092	
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	
PCBs (8080)			
Date Analyzed	12/20/95	12/20/95	
Date Extracted	12/15/95	12/15/95	
Dilution Factor, Times	1	1	
Aroclor 1016, mg/kg	<0.03	<0.03	
Aroclor 1221, mg/kg	<0.03	<0.03	
Aroclor 1232, mg/kg	<0.03	<0.03	
Aroclor 1242, mg/kg	<0.03	<0.03	
Aroclor 1248, mg/kg	<0.03	<0.03	
Aroclor 1254, mg/kg	<0.03	<0.03	
Aroclor 1260, mg/kg	<0.03	<0.03	
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0033	0.0053	
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	
Tetrachloro-meta-xylene Rpt., mg/kg	0.0094	0.0092	
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	
Arsenic (7060), mg/kg	1.8	0.81	
Antimony (6010), mg/kg	<10	<10	
Barium (6010), mg/kg	38	28	
Beryllium (6010), mg/kg	0.39	0.29	
Cadmium (6010), mg/kg	<0.5	<0.5	
Chromium (6010), mg/kg	8.2	5.6	
Cobalt (6010), mg/kg	5.2	<4	
Copper (6010), mg/kg	38	38	

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B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-277

Received: 13 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2
Lead (6010), mg/kg	10	<5
Mercury (7471), mg/kg	<0.1	<0.1
Molybdenum (6010), mg/kg	<1	<1
Nickel (6010), mg/kg	7.5	4.9
Selenium (7740), mg/kg	<0.4	<0.4
Silver (6010), mg/kg	<1	<1
Thallium (6010), mg/kg	<7	<7
Vanadium (6010), mg/kg	31	21
Zinc (6010), mg/kg	42	34

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2	
Semi-volatiles (8270)			
Date Analyzed	12/20/95	12/20/95	
Date Extracted	12/18/95	12/18/95	
Dilution Factor, Times	5	5	
1,2,4-Trichlorobenzene, mg/kg	<1	<1	
1,2-Dichlorobenzene, mg/kg	<1	<1	
1,2-Diphenylhydrazine, mg/kg	<1	<1	
1,3-Dichlorobenzene, mg/kg	<1	<1	
1,4-Dichlorobenzene, mg/kg	<1	<1	
2,4,5-Trichlorophenol, mg/kg	<1	<1	
2,4,6-Trichlorophenol, mg/kg	<1	<1	
2,4-Dichlorophenol, mg/kg	<1	<1	
2,4-Dimethylphenol, mg/kg	<1	<1	
2,4-Dinitrophenol, mg/kg	<2	<2	
2,4-Dinitrotoluene, mg/kg	<1	<1	
2,6-Dinitrotoluene, mg/kg	<1	<1	
2-Chloronaphthalene, mg/kg	<1	<1	
2-Chlorophenol, mg/kg	<1	<1	
2-Methyl-4,6-dinitrophenol, mg/kg	<1	<1	
2-Methylnaphthalene, mg/kg	<1	<1	
2-Methylphenol (o-Cresol), mg/kg	<1	<1	
2-Nitroaniline, mg/kg	<1	<1	
2-Nitrophenol, mg/kg	<1	<1	
3,3'-Dichlorobenzidine, mg/kg	<2	<2	
3-Nitroaniline, mg/kg	<1	<1	
4-Bromophenylphenylether, mg/kg	<1	<1	

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2
4-Chloro-3-methylphenol, mg/kg	<1	<1
4-Chloroaniline, mg/kg	<1	<1
4-Chlorophenylphenylether, mg/kg	<1	<1
4-Methylphenol (p-Cresol), mg/kg	<2	<2
4-Nitroaniline, mg/kg	<1	<1
4-Nitrophenol, mg/kg	<1	<1
Acenaphthene, mg/kg	<1	<1
Acenaphthylene, mg/kg	<1	<1
Aniline, mg/kg	<1	<1
Anthracene, mg/kg	<1	<1
Benzidine, mg/kg	<20	<20
Benzo(a)anthracene, mg/kg	<1	<1
Benzo(a)pyrene, mg/kg	<1	<1
Benzo(b)fluoranthene, mg/kg	<1	<1
Benzo(g,h,i)perylene, mg/kg	<1	<1
Benzo(k)fluoranthene, mg/kg	<1	<1
Benzyl Alcohol, mg/kg	5.2	22
Benzoic acid, mg/kg	<10	<10
Butylbenzylphthalate, mg/kg	<1	<1
Chrysene, mg/kg	<1	<1
Di-n-octylphthalate, mg/kg	<1	<1
Dibenzo(a,h)anthracene, mg/kg	<1	<1
Dibenzofuran, mg/kg	<1	<1
Dibutylphthalate, mg/kg	<1	<1
Diethylphthalate, mg/kg	<1	<1
Dimethylphthalate, mg/kg	<1	<1

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2	
Fluoranthene, mg/kg	<1	<1	
Fluorene, mg/kg	<1	<1	
Hexachlorobenzene, mg/kg	<1	<1	
Hexachlorobutadiene, mg/kg	<1	<1	
Hexachlorocyclopentadiene, mg/kg	<1	<1	
Hexachloroethane, mg/kg	<1	<1	
Indeno(1,2,3-c,d)pyrene, mg/kg	<1	<1	
Isophorone, mg/kg	9.9	6.5	
N-Nitrosodimethylamine, mg/kg	<1	<1	
N-Nitrosodiphenylamine, mg/kg	<1	<1	
N-Nitrosodi-n-propylamine, mg/kg	<1	<1	
Nitrobenzene, mg/kg	<1	<1	
Naphthalene, mg/kg	<1	<1	
Phenanthrene, mg/kg	<1	<1	
Phenol, mg/kg	<1	<1	
Pentachlorophenol, mg/kg	<1	<1	
Pyrene, mg/kg	<1	<1	
Pyridine, mg/kg	<2	<2	
Bis(2-chloroethoxy)methane, mg/kg	<1	<1	
Bis(2-chloroethyl)ether, mg/kg	<1	<1	
Bis(2-chloroisopropyl)ether, mg/kg	<1	<1	
Bis(2-ethylhexyl)phthalate, mg/kg	3.6	3.5	
Surrogates **			
2-Fluorobiphenyl Reported, mg/kg	1.70	1.43	
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	
2-Fluorophenol Reported, mg/kg	2.41	2.08	

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2			
2-Fluorophenol Theoretical, mg/kg	2.50	2.50			
2,4,6-Tribromophenol Rep., mg/kg	1.94	1.55			
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50			
Nitrobenzene-d5 Reported, mg/kg	1.67	1.44			
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67			
Phenol-d5 Reported, mg/kg	1.22	1.51			
Phenol-d5 Theoretical, mg/kg	2.50	2.50			
Terphenyl-d14 Reported, mg/kg	1.36	1.13			
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67			

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LOG NO: G95-12-277

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2			
Vol.Pri.Poll. (8240)					
Date Analyzed	12/19/95	12/18/95			
Date Extracted	12/15/95	12/15/95			
Dilution Factor, Times	10000	10000			
1,1,1-Trichloroethane, mg/kg	970	1200			
1,1,2,2-Tetrachloroethane, mg/kg	<50	<50			
1,1,2-Trichloroethane, mg/kg	<50	<50			
1,1-Dichloroethane, mg/kg	<50	<50			
1,1-Dichloroethene, mg/kg	60	<50			
1,2-Dichloroethane, mg/kg	<50	<50			
1,2-Dichlorobenzene, mg/kg	<50	<50			
1,2-Dichloropropane, mg/kg	<50	<50			
1,3-Dichlorobenzene, mg/kg	<50	<50			
1,4-Dichlorobenzene, mg/kg	<50	<50			
2-Chloroethylvinylether, mg/kg	<50	<50			
2-Hexanone, mg/kg	<300	<300			
Acetone, mg/kg	<1000	<1000			
Acrolein, mg/kg	<3000	<3000			
Acrylonitrile, mg/kg	<3000	<3000			
Bromodichloromethane, mg/kg	<50	<50			
Bromomethane, mg/kg	<50	<50			
Benzene, mg/kg	<50	<50			
Bromoform, mg/kg	<50	<50			
Chlorobenzene, mg/kg	<50	<50			
Carbon Tetrachloride, mg/kg	<50	<50			
Chloroethane, mg/kg	<50	<50			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2	
Chloroform, mg/kg	<50	<50	
Chloromethane, mg/kg	<50	<50	
Carbon Disulfide, mg/kg	<100	<100	
Dibromochloromethane, mg/kg	<50	<50	
Ethylbenzene, mg/kg	<50	<50	
Freon 113, mg/kg	420	590	
Methyl ethyl ketone, mg/kg	<300	<300	
Methyl isobutyl ketone, mg/kg	<300	<300	
Methylene chloride, mg/kg	59	100	
Styrene, mg/kg	<50	<50	
Trichloroethene, mg/kg	98	140	
Trichlorofluoromethane, mg/kg	160	220	
Toluene, mg/kg	<50	62	
Tetrachloroethene, mg/kg	1300	1100	
Vinyl acetate, mg/kg	<500	<500	
Vinyl chloride, mg/kg	<50	<50	
Total Xylene Isomers, mg/kg	<200	<200	
cis-1,2-Dichloroethene, mg/kg	<50	<50	
cis-1,3-Dichloropropene, mg/kg	<50	<50	
trans-1,2-Dichloroethene, mg/kg	<50	<50	
trans-1,3-Dichloropropene, mg/kg	<50	<50	
Surrogates **			
1,2-Dichloroethane-d4 Rep., mg/kg	373	395	
1,2-Dichloroethane-d4 Theo., mg/kg	500	500	
4-Bromofluorobenzene Rep., mg/kg	440	430	
4-Bromofluorobenzene Theo., mg/kg	500	500	

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-277-1	SB-9-1.8	13 DEC 95
12-277-2	SB-9-5.9	13 DEC 95

PARAMETER	12-277-1	12-277-2			
Toluene-d8 Reported, mg/kg	502	479			
Toluene-d8 Theo., mg/kg	500	500			

B C Analytical

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-277-3	TB-121395	13 DEC 95
12-277-4	RB-121395	13 DEC 95

PARAMETER	12-277-3	12-277-4			
Vol.Pri.Poll. (8240)					
Date Analyzed	12/18/95	12/18/95			
Dilution Factor, Times	1	1			
1,1,1-Trichloroethane, ug/L	<1	<1			
1,1,2,2-Tetrachloroethane, ug/L	<1	<1			
1,1,2-Trichloroethane, ug/L	<1	<1			
1,1-Dichloroethane, ug/L	<1	<1			
1,1-Dichloroethene, ug/L	<1	<1			
1,2-Dichloroethane, ug/L	<1	<1			
1,2-Dichlorobenzene, ug/L	<1	<1			
1,2-Dichloropropane, ug/L	<1	<1			
1,3-Dichlorobenzene, ug/L	<1	<1			
1,4-Dichlorobenzene, ug/L	<1	<1			
2-Chloroethylvinylether, ug/L	<5	<5			
2-Hexanone, ug/L	<5	<5			
Acetone, ug/L	<20	<20			
Acrolein, ug/L	<50	<50			
Acrylonitrile, ug/L	<50	<50			
Bromodichloromethane, ug/L	<1	<1			
Bromomethane, ug/L	<1	<1			
Benzene, ug/L	<1	<1			
Bromoform, ug/L	<1	<1			
Chlorobenzene, ug/L	<1	<1			
Carbon Tetrachloride, ug/L	<1	<1			
Chloroethane, ug/L	<1	<1			
Chloroform, ug/L	<1	<1			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-277-3	TB-121395	13 DEC 95
12-277-4	RB-121395	13 DEC 95

PARAMETER	12-277-3	12-277-4			
Chloromethane, ug/L	<1	<1			
Carbon Disulfide, ug/L	<2	<2			
Dibromochloromethane, ug/L	<1	<1			
Ethylbenzene, ug/L	<1	<1			
Freon 113, ug/L	<2	<2			
Methyl ethyl ketone, ug/L	<5	<5			
Methyl isobutyl ketone, ug/L	<5	<5			
Methylene chloride, ug/L	<2	<2			
Styrene, ug/L	<1	<1			
Trichloroethene, ug/L	<1	<1			
Trichlorofluoromethane, ug/L	<1	<1			
Toluene, ug/L	<1	<1			
Tetrachloroethene, ug/L	<1	<1			
Vinyl acetate, ug/L	<10	<10			
Vinyl chloride, ug/L	<1	<1			
Total Xylene Isomers, ug/L	<3	<3			
cis-1,2-Dichloroethene, ug/L	<1	<1			
cis-1,3-Dichloropropene, ug/L	<1	<1			
trans-1,2-Dichloroethene, ug/L	<1	<1			
trans-1,3-Dichloropropene, ug/L	<1	<1			
Surrogates **					
1,2-Dichloroethane-d4 Rep., ug/L	38.7	39.9			
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0			
4-Bromofluorobenzene Rep., ug/L	44.4	43.2			
4-Bromofluorobenzene Theo., ug/L	50.0	50.0			
Toluene-d8 Reported, ug/L	50.1	49.5			

BCA

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-277-3	TB-121395	13 DEC 95
12-277-4	RB-121395	13 DEC 95

PARAMETER	12-277-3	12-277-4			
Toluene-d8 Theo., ug/L	50.0	50.0			

Jane Freemyer, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 12/13/95 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No.:

QA MANAGER: Mike PALMER PM FAX No. (619) 454-0165

SAMPLER (SIGNATURE):

SAMPLER (PRINTED): GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-mL VOA VIAL	6" x 2" BRASS TUBE	ANALYSES REQUESTED: EPA 8240	EPA 8270	EPA 8080	CAM METALS T22	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S
	TB-121395	12/13/95	0845				X	X				X	(2)		X				
	SE-9-1.8		1045	X								X		(1)	X	X	X	X	
	~~SB-9-5.9~~		~~1110~~																
	RB-121395		1055				X	X				X	(2)		X				
	SE-9-5.9	↓	1110	X								X		(1)	X	X	X	X	

Total number of containers per analysis: 4 | 2

Total No. of Containers: 6

SPECIAL HANDLING:

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA

G9512277

REMARKS: ARROWS INDICATE BOTTOM OF SAMPLE TUBE. ANALYZE SAMPLE FROM THAT END.

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
	12/13/95	16:10	H+A	S. Arrowsmith	12/13/95	16:06	BCA

Relinquished by: ____ Date ____ Time ____ Company ____ Received by: ____ Date ____ Time ____ Laboratory ____

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

☐ No. of containers correct ☐ received good condition/cold

☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

FAX: (619) 454-5839

☐ 3385 N. CAMPBELL, SUITE 121 TUCSON, AZ 85719 (602) 881-7300

☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888

☒ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165

☐ 111 NORTH SEPULVEDA BLVD., SUITE 350 MANHATTAN BEACH, CA 90266 (310) 372-7992

☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569

Send invoice to La Jolla, CA Business Office Attn: Kim Sturek

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9512277 :
: BC ANALYTICAL : GLEN LAB : 10:16:01 28 DEC 1995 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9512277*1	SB-9-1.8	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.20.95	8080	536-27	95192	7616
		8080,PCB	12.20.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.20.95	7471	534-06	952210	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.20.95	8270	537-11	95244	6750
		8240.HSL	12.19.95	8240	537-05	9550079	7430
9512277*2	SB-9-5.9	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.20.95	8080	536-27	95192	7616
		8080,PCB	12.20.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.20.95	7471	534-06	952210	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8270.HSL	12.20.95	8270	537-11	95244	6750
		8240.HSL	12.18.95	8240	537-05	9550079	7430
9512277*3	TB-121395	VOA.8240.HSL	12.18.95	8240	537-05	951018	7430
9512277*4	RB-121395	VOA.8240.HSL	12.18.95	8240	537-05	951018	7430

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Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics																					
1,1,1-Trichloroethane	ug/L	0	1 -	91	-	82	-	63	132	11	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1 -	110	-	125	-	51	157	12	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1 -	106	-	111	-	70	136	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1 -	87	-	84	-	72	125	3	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1 -	100	-	89	-	64	134	12	-	-	93	-	104	-	48	127	10	27	-
1,2-Dichloroethane	ug/L	0	1 -	95	-	91	-	78	122	4	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1 -	105	-	104	-	75	130	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1 -	99	-	97	-	78	123	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1 -	105	-	104	-	75	125	1	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1 -	106	-	101	-	76	126	5	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5 -	121	-	128	-	11	195	6	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5 -	128	-	143	-	4	228	10	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	3.8	20 -	65	-	80	-	25	190	20	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50 -	23	Q	32	-	30	183	33	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50 -	47	-	53	-	34	182	12	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1 -	103	-	109	-	79	123	6	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1 -	84	-	66	-	61	152	24	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1 -	97	-	92	-	73	124	5	-	-	96	-	106	-	65	125	11	26	-
Bromoform	ug/L	0	1 -	96	-	103	-	58	148	7	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1 -	105	-	106	-	75	126	1	-	-	101	-	115	-	76	132	14	23	-
Carbon Tetrachloride	ug/L	0	1 -	96	-	85	-	70	132	12	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1 -	96	-	79	-	58	140	19	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1 -	86	-	92	-	74	124	6	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1 -	78	-	63	-	56	145	21	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2 -	97	-	77	-	62	133	23	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1 -	105	-	107	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1 -	106	-	111	-	72	131	5	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2 -	104	-	85	-	54	146	19	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5 -	92	-	96	-	21	198	3	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5 -	109	-	133	-	8	215	20	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2 -	110	-	100	-	72	125	9	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1 -	109	-	100	-	72	130	9	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1 -	89	-	82	-	71	128	9	-	-	83	-	93	-	63	122	11	21	-
Trichlorofluoromethane	ug/L	0	1 -	105	-	97	-	45	149	8	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1 -	111	-	109	-	78	123	2	-	-	109	-	122	-	63	132	11	22	-
Tetrachloroethene	ug/L	0	1 -	103	-	97	-	73	127	6	-	-	-	-	-	-	-	-	-	-	-
Vinyl [redacted]etate	ug/L	0	10 -	122	[redacted]	139	-	44	158	13	-	-	-	-	-	-	-	-	[redacted]	-	-
Viny[redacted]loride	ug/L	0	1 -	88	[redacted]	78	-	56	144	12	-	-	-	-	-	-	-	-	[redacted]	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951018 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	111	-	103	-	72	133	7	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	88	-	87	-	74	124	1	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	107	-	107	-	79	124	1	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	94	-	84	-	69	130	11	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	105	-	106	-	70	133	1	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	81	-	-	86	-	85	-	79	114	-	-	-	84	-	82	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	89	-	-	104	-	108	-	85	111	-	-	-	104	-	112	Q	85	111	-	-	-
[Toluene-d8]	Percent	100	-	-	100	-	100	-	92	110	-	-	-	99	-	101	-	92	110	-	-	-

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 952205 Method: 6010 - ICAP Metals																						
Silver	mg/kg	0.11	1	-	100	-	96	-	72	117	4	-	-	84	-	84	-	51	127	0	30	-
Barium	mg/kg	0.070	0.5	-	98	-	96	-	75	114	2	-	-	96	-	111	-	63	129	6	30	-
Beryllium	mg/kg	0.011	0.1	-	100	-	99	-	79	110	2	-	-	102	-	106	-	68	131	4	30	-
Cadmium	mg/kg	0.24	0.5	-	101	-	99	-	75	118	2	-	-	85	-	86	-	55	125	1	30	-
Cobalt	mg/kg	0	4	-	100	-	98	-	71	112	2	-	-	96	-	99	-	59	117	3	30	-
Chromium	mg/kg	0	1	-	103	-	102	-	76	110	1	-	-	97	-	111	-	40	137	10	30	-
Copper	mg/kg	0.44	2	-	101	-	99	-	70	110	2	-	-	100	-	170	Q	54	122	27	30	-
Molybdenum	mg/kg	0	1	-	100	-	97	-	75	112	2	-	-	94	-	98	-	59	114	3	30	-
Nickel	mg/kg	0	4	-	102	-	101	-	73	114	1	-	-	97	-	105	-	52	126	5	30	-
Lead	mg/kg	0.82	5	-	101	-	98	-	73	116	3	-	-	100	-	105	-	42	139	4	30	-
Antimony	mg/kg	2.0	10	-	99	-	106	-	79	115	7	-	-	93	-	94	-	5	118	1	30	-
Thallium	mg/kg	0	7	-	103	-	95	-	71	110	9	-	-	102	-	107	-	58	119	4	30	-
Vanadium	mg/kg	0	4	-	101	-	99	-	80	110	2	-	-	99	-	107	-	67	115	5	30	-
Zinc	mg/kg	0	1	-	103	-	101	-	76	117	2	-	-	-	NC	-	NC	43	142	-	30	NC
Batch: AS,GFA*952206 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/kg	0	0.2	-	100	-	98	-	81	123	2	-	-	87	-	94	-	18	167	4	30	-
Batch: SE,GFA*952206 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/kg	0	0.4	-	108	-	110	-	83	114	2	-	-	82	-	87	-	4	148	5	30	-
Batch: HG,SO*952210 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual																						
Mercury	mg/kg	0	0.1	-	100	-	98	-	83	124	3	-	-	104	-	96	-	65	136	8	30	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	119	-	-	-	68	131	-	-	-	104	-	127	-	41	148	20	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	112	-	-	-	70	125	-	-	-	93	-	115	-	59	134	21	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	112	-	-	-	69	137	-	-	-	100	-	107	-	58	148	7	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	102	-	-	-	72	129	-	-	-	88	-	107	-	53	135	20	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	119	-	-	-	68	139	-	-	-	102	-	111	-	57	139	8	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	82	0	-	86	Q	-	-	87	125	-	-	-	84	-	96	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	85	0	-	83	Q	-	-	85	111	-	-	-	83	-	83	-	74	121	-	-	-
[Toluene-d8]	Percent	96	0	-	96	-	-	-	94	113	-	-	-	97	-	98	-	82	118	-	-	-
Batch: 8080*95192 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aldrin	mg/kg	0	0.0007	-	125	Q	114	-	42	122	9	-	-	112	-	116	-	42	122	3	24	-
Chlordane	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.0007	-	107	-	84	-	45	141	24	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.0007	-	113	-	101	-	44	145	11	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.0007	-	110	-	99	-	39	160	10	-	-	83	-	89	-	25	160	7	24	-
Dieldrin	mg/kg	0	0.0007	-	110	-	100	-	44	146	9	-	-	98	-	100	-	36	146	2	37	-
Endosulfan I	mg/kg	0	0.0007	-	87	-	93	-	45	146	7	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	0	0.0007	-	113	-	77	-	44	182	38	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.004	-	116	-	72	-	28	144	46	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0	0.0007	-	112	-	96	-	53	147	15	-	-	96	-	100	-	30	147	4	43	-
Endrin aldehyde	mg/kg	0	0.0007	-	93	-	61	-	42	176	41	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.0007	-	113	-	108	-	49	142	4	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0	0.0004	-	123	-	116	-	44	166	6	-	-	105	-	106	-	40	148	1	52	-
Methoxychlor	mg/kg	0	0.001	-	101	-	54	Q	58	155	60	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	0	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.0004	-	113	-	108	-	52	134	4	-	-	-	-	-	-	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.0007	-	113	-	105	-	17	122	8	-	-	-	-	-	-	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.0007	-	113	-	104	-	48	140	9	-	-	-	-	-	-	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0004	-	117	-	111	-	54	127	5	-	-	106	-	108	-	32	127	2	32	-
[Decachlorobiphenyl]	Percent	88	-	-	99	-	53	-	20	147	-	-	-	63	-	67	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	110	-	-	116	-	110	-	30	142	-	-	-	112	-	107	-	38	155	-	-	-

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8080,PCB*95192 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aroclor 1016	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	mg/kg	0	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	mg/kg	0	0.03	-	78	-	87	-	78	129	11	-	-	82	-	83	-	43	123	1	55	-
[Decachlorobiphenyl]	Percent	88	-	-	55	-	123	-	20	147	-	-	-	70	-	69	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	110	-	-	107	-	110	-	30	142	-	-	-	111	-	107	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95244 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	74	-	79	-	44	116	7	-	-	73	-	70	-	44	115	4	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	82	-	87	-	35	127	6	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	74	-	81	-	43	128	9	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	73	-	80	-	32	110	9	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	74	-	80	-	35	110	7	-	-	72	-	68	-	20	124	6	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	93	-	99	-	23	154	7	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	70	-	74	-	37	144	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	83	-	88	-	39	129	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	77	-	80	-	32	119	4	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	58	-	60	-	1	191	4	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	85	-	87	-	39	139	3	-	-	72	-	72	-	39	139	1	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	61	-	65	-	50	152	6	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	57	-	59	-	32	110	4	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	79	-	83	-	35	116	6	-	-	76	-	73	-	45	110	4	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.2	-	57	-	60	-	1	181	5	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	79	-	84	-	5	165	7	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	78	-	82	-	36	114	6	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	82	-	89	-	38	144	7	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	75	-	80	-	32	130	6	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.4	-	61	-	66	-	1	262	7	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	82	-	89	-	30	152	7	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	70	-	83	-	56	127	17	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	86	-	89	-	35	130	3	-	-	81	-	78	-	40	137	5	32	-
4-Chloroaniline	mg/kg	0	0.2	-	75	-	81	-	31	126	8	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	83	-	85	-	48	132	3	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	82	-	75	-	25	124	8	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	87	-	90	-	3	187	4	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.2	-	79	-	83	-	1	132	6	-	-	59	-	64	-	19	132	9	46	-
Acenaphthene	mg/kg	0	0.2	-	90	-	95	-	47	132	5	-	-	77	-	75	-	47	122	2	34	-
Acenaphthylene	mg/kg	0	0.2	-	85	-	91	-	35	132	6	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	45	-	49	-	1	164	10	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	76	-	82	-	39	130	8	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	0	Q	0	Q	1	200	67	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	77	-	81	-	44	138	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	82	-	86	-	36	128	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	79	-	84	-	24	137	6	-	-	-	-	-	-	-	-	-	-	-
Benzo([redacted]i)perylene	mg/kg	0	0.2	-	58	-	[redacted]59	-	25	157	3	-	-	-	-	-	-	-	-	[redacted]	-	-
Benzo([redacted]fluoranthene	mg/kg	0	0.2	-	98	-	[redacted]05	-	39	142	7	-	-	-	-	-	-	-	-	[redacted]	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95244 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	mg/kg	0	0.4	-	69	-	75	-	3	161	8	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	50	-	53	-	1	183	5	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	77	-	84	-	37	151	9	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	83	-	88	-	43	147	6	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	102	-	111	-	21	146	8	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	56	-	58	-	30	154	4	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	86	-	89	-	54	121	3	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0	0.2	-	77	-	82	-	53	125	6	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	76	-	77	-	47	142	2	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	66	-	69	-	32	142	5	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	84	-	87	-	39	137	4	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	85	-	89	-	59	121	4	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	75	-	78	-	48	129	5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	78	-	83	-	29	116	6	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.2	-	71	-	75	-	18	143	6	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	75	-	80	-	40	113	6	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	49	-	53	-	25	162	6	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	64	-	65	-	27	134	3	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	85	-	92	-	17	115	8	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	47	-	51	-	11	110	7	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	62	-	63	-	32	136	1	-	-	96	-	93	-	29	149	3	26	-
Nitrobenzene	mg/kg	0	0.2	-	77	-	81	-	39	115	5	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	78	-	83	-	39	114	6	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	80	-	86	-	54	120	7	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	73	-	77	-	7	110	5	-	-	68	-	66	-	34	122	2	38	-
Pentachlorophenol	mg/kg	0	0.2	-	72	-	72	-	14	163	0	-	-	47	-	44	-	20	165	7	47	-
Pyrene	mg/kg	0	0.2	-	82	-	84	-	52	149	3	-	-	98	-	96	-	52	115	2	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	59	-	57	-	37	130	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	83	-	86	-	40	123	4	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	74	-	77	-	36	140	4	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0.10	0.4	-	71	-	77	-	41	147	9	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	92	-	-	89	-	95	-	43	116	-	-	-	83	-	81	-	38	110	-	-	-
[2-Fluorophenol]	Percent	84	-	-	81	-	85	-	21	100	-	-	-	72	-	68	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	79	-	-	84	-	84	-	40	123	-	-	-	73	-	71	-	28	110	-	-	-
[Nitrobenzene-d5]	Percent	89	-	-	87	-	90	-	37	114	-	-	-	80	-	75	-	34	110	-	-	-
[Phenol-d5]	Percent	100	-	-	90	-	93	-	10	93	-	-	-	86	-	81	-	31	110	-	-	-
[Terphenyl-d14]	Percent	81	-	-	74	-	78	-	33	141	-	-	-	89	-	84	-	18	130	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 10:17:23 28 DEC 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9512277*1									
8080	Tetrachloro-meta-xylene	R95192	12/20/95	0.0094	0.0083	113		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0033	0.0083	40	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/20/95	0.0094	0.0083	113		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0033	0.0083	40	Q	50	164
8270	2-Fluorophenol	95244	12/20/95	2.41	2.50	96		25	110
	Phenol-d5	95244	12/20/95	1.22	2.50	49		31	110
	Nitrobenzene-d5	95244	12/20/95	1.67	1.67	100		34	110
	2-Fluorobiphenyl	95244	12/20/95	1.70	1.67	102		38	110
	2,4,6-Tribromophenol Rep.	95244	12/20/95	1.94	2.50	78		28	110
	Terphenyl-d14	95244	12/20/95	1.36	1.67	81		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/19/95	373	500	75	Q	78	121
	Toluene-d8	9550079	12/19/95	502	500	100		82	118
	4-Bromofluorobenzene Rep.	9550079	12/19/95	440	500	88		74	121
9512277*2									
8080	Tetrachloro-meta-xylene	R95192	12/20/95	0.0092	0.0083	111		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0053	0.0083	64		50	164
8080	Tetrachloro-meta-xylene	R95192	12/20/95	0.0092	0.0083	111		38	155
	Decachlorobiphenyl	95192	12/20/95	0.0053	0.0083	64		50	164
8270	2-Fluorophenol	95244	12/20/95	2.08	2.50	83		25	110
	Phenol-d5	95244	12/20/95	1.51	2.50	60		31	110
	Nitrobenzene-d5	95244	12/20/95	1.44	1.67	86		34	110
	2-Fluorobiphenyl	95244	12/20/95	1.43	1.67	86		38	110
	2,4,6-Tribromophenol Rep.	95244	12/20/95	1.55	2.50	62		28	110
	Terphenyl-d14	95244	12/20/95	1.13	1.67	68		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/18/95	395	500	79		78	121
	Toluene-d8	9550079	12/18/95	479	500	96		82	118
	4-Bromofluorobenzene Rep.	9550079	12/18/95	430	500	86		74	121
9512277*3									
8240	1,2-Dichloroethane-d4 Rep	951018	12/18/95	38.7	50.0	77	Q	79	114
	Toluene-d8	951018	12/18/95	50.1	50.0	100		92	110
	4-Bromofluorobenzene Rep.	951018	12/18/95	44.4	50.0	89		85	111
9512277*4									
8240	1,2-Dichloroethane-d4 Rep	951018	12/18/95	39.9	50.0	80		79	114
	Toluene-d8	951018	12/18/95	49.5	50.0	99		92	110
	4-Bromofluorobenzene Rep.	951018	12/18/95	43.2	50.0	86		85	111

ANALYTICAL REPORT

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G95-12-307

Received: 14 DEC 95

Mailed: DEC 28

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A
Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Digestion (3050), Date	12/19/95	12/19/95	12/19/95
Furnace Digestion (3050), Date	12/19/95	12/19/95	12/19/95

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-307

Received: 14 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Pesticides (8080)			
Date Analyzed	12/19/95	12/19/95	12/21/95
Date Extracted	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	2
Aldrin, mg/kg	<0.0007	<0.0007	<0.002
Chlordane, mg/kg	<0.02	<0.02	<0.04
p,p'-DDD, mg/kg	<0.0007	<0.0007	<0.002
p,p'-DDE, mg/kg	<0.0007	<0.0007	<0.002
p,p'-DDT, mg/kg	<0.0007	<0.0007	<0.002
Dieldrin, mg/kg	<0.0007	<0.0007	<0.002
Endosulfan I, mg/kg	<0.0007	<0.0007	<0.002
Endosulfan II, mg/kg	<0.0007	<0.0007	<0.002
Endosulfan sulfate, mg/kg	<0.004	<0.004	<0.008
Endrin, mg/kg	<0.0007	<0.0007	<0.002
Endrin aldehyde, mg/kg	<0.0007	<0.0007	<0.002
Heptachlor epoxide, mg/kg	<0.0007	<0.0007	<0.002
Heptachlor, mg/kg	<0.0004	<0.0004	<0.0008
Methoxychlor, mg/kg	<0.001	<0.001	<0.002
Toxaphene, mg/kg	<0.04	<0.04	<0.08
BHC, alpha isomer, mg/kg	<0.0004	<0.0004	<0.0008
BHC, beta isomer, mg/kg	<0.0007	<0.0007	<0.002
BHC, delta isomer, mg/kg	<0.0007	<0.0007	<0.002
BHC, gamma isomer (Lindane), mg/kg	<0.0004	<0.0004	<0.0008
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0054	0.0038	0.0009

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LOG NO: G95-12-307

Received: 14 DEC 95

Mr. Dennis England
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15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0084	0.0091	0.0114
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
P[illegible] (8080)			
Date Analyzed	12/19/95	12/19/95	12/21/95
Date Extracted	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	1	1	2
Aroclor 1016, mg/kg	<0.03	<0.03	<0.06
Aroclor 1221, mg/kg	<0.03	<0.03	<0.06
Aroclor 1232, mg/kg	<0.03	<0.03	<0.06
Aroclor 1242, mg/kg	<0.03	<0.03	<0.06
Aroclor 1248, mg/kg	<0.03	<0.03	<0.06
Aroclor 1254, mg/kg	<0.03	<0.03	<0.06
Aroclor 1260, mg/kg	<0.03	<0.03	<0.06
Surrogates **			
Decachlorobiphenyl Reported, mg/kg	0.0054	0.0038	0.0009
Decachlorobiphenyl Theoretical, mg/kg	0.0083	0.0083	0.0083
Tetrachloro-meta-xylene Rpt., mg/kg	0.0084	0.0091	0.0114
Tetrachloro-meta-xylene Theor., mg/kg	0.0083	0.0083	0.0083
Arsenic (7060), mg/kg	1.4	2.1	2.2
Antimony (6010), mg/kg	<10	<10	<10
Barium (6010), mg/kg	140	160	110
Beryllium (6010), mg/kg	0.50	0.46	0.41
Cadmium (6010), mg/kg	<0.5	<0.5	<0.5
Chromium (6010), mg/kg	11	12	11

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Cobalt (6010), mg/kg	8.9	6.3	7.3
Copper (6010), mg/kg	56	99	45
Lead (6010), mg/kg	33	110	8.5
Mercury (7471), mg/kg	<0.1	<0.1	<0.1
Molybdenum (6010), mg/kg	3.4	2.1	2.5
Nickel (6010), mg/kg	23	18	20
Selenium (7740), mg/kg	<0.4	<0.4	<0.4
Silver (6010), mg/kg	<1	<1	<1
Thallium (6010), mg/kg	<7	<7	<7
Vanadium (6010), mg/kg	40	37	32
Zinc (6010), mg/kg	92	89	63

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Semi-volatiles (8270)			
Date Analyzed	12/19/95	12/20/95	12/21/95
Date Extracted	12/18/95	12/18/95	12/18/95
Dilution Factor, Times	1	1	2
1,2,4-Trichlorobenzene, mg/kg	<0.2	<0.2	<0.4
1,2-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.4
1,2-Diphenylhydrazine, mg/kg	<0.2	<0.2	<0.4
1,3-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.4
1,4-Dichlorobenzene, mg/kg	<0.2	<0.2	<0.4
2,4,5-Trichlorophenol, mg/kg	<0.2	<0.2	<0.4
2,4,6-Trichlorophenol, mg/kg	<0.2	<0.2	<0.4
2,4-Dichlorophenol, mg/kg	<0.2	<0.2	<0.4
2,4-Dimethylphenol, mg/kg	<0.2	<0.2	<0.4
2,4-Dinitrophenol, mg/kg	<0.4	<0.4	<0.8
2,4-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.4
2,6-Dinitrotoluene, mg/kg	<0.2	<0.2	<0.4
2-Chloronaphthalene, mg/kg	<0.2	<0.2	<0.4
2-Chlorophenol, mg/kg	<0.2	<0.2	<0.4
2-Methyl-4,6-dinitrophenol, mg/kg	<0.2	<0.2	<0.4
2-Methylnaphthalene, mg/kg	<0.2	<0.2	<0.4
2-Methylphenol (o-Cresol), mg/kg	<0.2	<0.2	<0.4
2-Nitroaniline, mg/kg	<0.2	<0.2	<0.4
2-Nitrophenol, mg/kg	<0.2	<0.2	<0.4
3,3'-Dichlorobenzidine, mg/kg	<0.4	<0.4	<0.8
3-Nitroaniline, mg/kg	<0.2	<0.2	<0.4

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
4-Bromophenylphenylether, mg/kg	<0.2	<0.2	<0.4
4-Chloro-3-methylphenol, mg/kg	<0.2	<0.2	<0.4
4-Chloroaniline, mg/kg	<0.2	<0.2	<0.4
4-Chlorophenylphenylether, mg/kg	<0.2	<0.2	<0.4
4-Methylphenol (p-Cresol), mg/kg	<0.4	<0.4	<0.8
4-Nitroaniline, mg/kg	<0.2	<0.2	<0.4
4-Nitrophenol, mg/kg	<0.2	<0.2	<0.4
Acenaphthene, mg/kg	<0.2	<0.2	<0.4
Acenaphthylene, mg/kg	<0.2	<0.2	<0.4
Aniline, mg/kg	<0.2	<0.2	<0.4
Anthracene, mg/kg	<0.2	<0.2	<0.4
Benzidine, mg/kg	<4	<4	<8
Benzo(a)anthracene, mg/kg	<0.2	<0.2	<0.4
Benzo(a)pyrene, mg/kg	<0.2	<0.2	<0.4
Benzo(b)fluoranthene, mg/kg	<0.2	<0.2	<0.4
Benzo(g,h,i)perylene, mg/kg	<0.2	<0.2	<0.4
Benzo(k)fluoranthene, mg/kg	<0.2	<0.2	<0.4
Benzyl Alcohol, mg/kg	<0.4	<0.4	<0.8
Benzoic acid, mg/kg	<2	<2	<4
Butylbenzylphthalate, mg/kg	<0.2	<0.2	<0.4
Chrysene, mg/kg	<0.2	<0.2	<0.4
Di-n-octylphthalate, mg/kg	<0.2	0.24	<0.4
Dibenzo(a,h)anthracene, mg/kg	<0.2	<0.2	<0.4
Dibenzofuran, mg/kg	<0.2	<0.2	<0.4
Dibutylphthalate, mg/kg	<0.2	<0.2	<0.4

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Diethylphthalate, mg/kg	<0.2	<0.2	<0.4
Dimethylphthalate, mg/kg	<0.2	<0.2	<0.4
Fluoranthene, mg/kg	<0.2	<0.2	<0.4
Fluorene, mg/kg	<0.2	<0.2	<0.4
Hexachlorobenzene, mg/kg	<0.2	<0.2	<0.4
Hexachlorobutadiene, mg/kg	<0.2	<0.2	<0.4
Hexachlorocyclopentadiene, mg/kg	<0.2	<0.2	<0.4
Hexachloroethane, mg/kg	<0.2	<0.2	<0.4
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.2	<0.2	<0.4
Isophorone, mg/kg	<0.2	<0.2	<0.4
N-Nitrosodimethylamine, mg/kg	<0.2	<0.2	<0.4
N-Nitrosodiphenylamine, mg/kg	<0.2	<0.2	<0.4
N-Nitrosodi-n-propylamine, mg/kg	<0.2	<0.2	<0.4
Nitrobenzene, mg/kg	<0.2	<0.2	<0.4
Naphthalene, mg/kg	<0.2	<0.2	<0.4
Phenanthrene, mg/kg	<0.2	<0.2	<0.4
Phenol, mg/kg	<0.2	<0.2	<0.4
Pentachlorophenol, mg/kg	<0.2	<0.2	<0.4
Pyrene, mg/kg	<0.2	<0.2	<0.4
Pyridine, mg/kg	<0.4	<0.4	<0.8
Bis(2-chloroethoxy)methane, mg/kg	<0.2	<0.2	<0.4
Bis(2-chloroethyl)ether, mg/kg	<0.2	<0.2	<0.4
Bis(2-chloroisopropyl)ether, mg/kg	<0.2	<0.2	<0.4
Bis(2-ethylhexyl)phthalate, mg/kg	<0.4	3.4	4.3
Surrogates **			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
2-Fluorobiphenyl Reported, mg/kg	1.35	1.61	1.81
2-Fluorobiphenyl Theo., mg/kg	1.67	1.67	1.67
2-Fluorophenol Reported, mg/kg	1.76	2.01	1.92
2-Fluorophenol Theoretical, mg/kg	2.50	2.50	2.50
2,4,6-Tribromophenol Rep., mg/kg	1.60	2.08	1.71
2,4,6-Tribromophenol Theo., mg/kg	2.50	2.50	2.50
Nitrobenzene-d5 Reported, mg/kg	1.27	1.50	1.76
Nitrobenzene-d5 Theoretical, mg/kg	1.67	1.67	1.67
Phenol-d5 Reported, mg/kg	2.15	2.43	2.51
Phenol-d5 Theoretical, mg/kg	2.50	2.50	2.50
Terphenyl-d14 Reported, mg/kg	1.51	1.67	1.74
Terphenyl-d14 Theoretical, mg/kg	1.67	1.67	1.67

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Vol.Pri.Poll. (8240)			
Date Analyzed	12/15/95	12/18/95	12/19/95
Date Extracted	12/15/95	12/15/95	12/15/95
Dilution Factor, Times	100	2000	5000
1,1,1-Trichloroethane, mg/kg	1.2	<10	<30
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<10	<30
1,1,2-Trichloroethane, mg/kg	<0.5	<10	<30
1,1-Dichloroethane, mg/kg	<0.5	<10	<30
1,1-Dichloroethene, mg/kg	<0.5	<10	<30
1,2-Dichloroethane, mg/kg	<0.5	<10	<30
1,2-Dichlorobenzene, mg/kg	<0.5	<10	<30
1,2-Dichloropropane, mg/kg	<0.5	<10	<30
1,3-Dichlorobenzene, mg/kg	<0.5	<10	<30
1,4-Dichlorobenzene, mg/kg	<0.5	<10	<30
2-Chloroethylvinylether, mg/kg	<0.5	<10	<30
2-Hexanone, mg/kg	<3	<60	<200
Acetone, mg/kg	<10	<200	<500
Acrolein, mg/kg	<30	<600	<2000
Acrylonitrile, mg/kg	<30	<600	<2000
Bromodichloromethane, mg/kg	<0.5	<10	<30
Bromomethane, mg/kg	<0.5	<10	<30
Benzene, mg/kg	<0.5	<10	<30
Bromoform, mg/kg	<0.5	<10	<30
Chlorobenzene, mg/kg	<0.5	<10	<30
Carbon Tetrachloride, mg/kg	<0.5	<10	<30

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
Chloroethane, mg/kg	<0.5	<10	<30
Chloroform, mg/kg	<0.5	<10	<30
Chloromethane, mg/kg	<0.5	<10	<30
Carbon Disulfide, mg/kg	<1	<20	<50
Dibromochloromethane, mg/kg	<0.5	<10	<30
Ethylbenzene, mg/kg	<0.5	<10	<30
Freon 113, mg/kg	<1	<20	<50
Methyl ethyl ketone, mg/kg	<3	<60	<200
Methyl isobutyl ketone, mg/kg	<3	<60	<200
Methylene chloride, mg/kg	<0.5	<10	<30
Styrene, mg/kg	<0.5	<10	<30
Trichloroethene, mg/kg	<0.5	<10	<30
Trichlorofluoromethane, mg/kg	<0.5	<10	<30
Toluene, mg/kg	<0.5	<10	<30
Tetrachloroethene, mg/kg	6.6	99	260
Vinyl acetate, mg/kg	<5	<100	<300
Vinyl chloride, mg/kg	<0.5	<10	<30
Total Xylene Isomers, mg/kg	<2	<40	<100
cis-1,2-Dichloroethene, mg/kg	<0.5	<10	<30
cis-1,3-Dichloropropene, mg/kg	<0.5	<10	<30
trans-1,2-Dichloroethene, mg/kg	<0.5	<10	<30
trans-1,3-Dichloropropene, mg/kg	<0.5	<10	<30
Surrogates **			
1,2-Dichloroethane-d4 Rep., mg/kg	4.18	79.6	220
1,2-Dichloroethane-d4 Theo., mg/kg	5.00	100	250

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-1	SB-10-2.2	14 DEC 95
12-307-2	SB-11-1.8	14 DEC 95
12-307-3	SB-11-6.5	14 DEC 95

PARAMETER	12-307-1	12-307-2	12-307-3
4-Bromofluorobenzene Rep., mg/kg	4.20	87.0	220
4-Bromofluorobenzene Theo., mg/kg	5.00	100	250
Toluene-d8 Reported, mg/kg	4.89	99.3	246
Toluene-d8 Theo., mg/kg	5.00	100	250

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-4	SB-10-6.5	14 DEC 95

PARAMETER	12-307-4
3550/8080 Prep (3550), Date	12/15/95
3550/8270 Prep (3550), Date	12/18/95

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-4	SB-10-6.5	14 DEC 95

PARAMETER	12-307-4
Vol.Pri.Poll. (8240)	
Date Analyzed	12/18/95
Date Extracted	12/15/95
Dilution Factor, Times	100
1,1,1-Trichloroethane, mg/kg	0.74
1,1,2,2-Tetrachloroethane, mg/kg	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5
1,1-Dichloroethane, mg/kg	<0.5
1,1-Dichloroethene, mg/kg	<0.5
1,2-Dichloroethane, mg/kg	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5
1,2-Dichloropropane, mg/kg	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5
2-Chloroethylvinylether, mg/kg	<0.5
2-Hexanone, mg/kg	<3
Acetone, mg/kg	<10
Acrolein, mg/kg	<30
Acrylonitrile, mg/kg	<30
Bromodichloromethane, mg/kg	<0.5
Bromomethane, mg/kg	<0.5
Benzene, mg/kg	<0.5
Bromoform, mg/kg	<0.5
Chlorobenzene, mg/kg	<0.5
Carbon Tetrachloride, mg/kg	<0.5
Chloroethane, mg/kg	<0.5
Chloroform, mg/kg	<0.5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
12-307-4	SB-10-6.5	14 DEC 95

PARAMETER	12-307-4
Chloromethane, mg/kg	<0.5
Carbon Disulfide, mg/kg	<1
Dibromochloromethane, mg/kg	<0.5
Ethylbenzene, mg/kg	<0.5
Freon 113, mg/kg	<1
Methyl ethyl ketone, mg/kg	<3
Methyl isobutyl ketone, mg/kg	<3
Methylene chloride, mg/kg	<0.5
Styrene, mg/kg	<0.5
Trichloroethene, mg/kg	<0.5
Trichlorofluoromethane, mg/kg	<0.5
Toluene, mg/kg	<0.5
Tetrachloroethene, mg/kg	4.1
Vinyl acetate, mg/kg	<5
Vinyl chloride, mg/kg	<0.5
Total Xylene Isomers, mg/kg	<2
cis-1,2-Dichloroethene, mg/kg	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5
Surrogates **	
1,2-Dichloroethane-d4 Rep., mg/kg	4.08
1,2-Dichloroethane-d4 Theo., mg/kg	5.00
4-Bromofluorobenzene Rep., mg/kg	4.32
4-Bromofluorobenzene Theo., mg/kg	5.00
Toluene-d8 Reported, mg/kg	4.89
Toluene-d8 Theo., mg/kg	5.00

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-307-5	RB-121495	14 DEC 95
12-307-6	TB-121495	14 DEC 95

PARAMETER	12-307-5	12-307-6
Vol.Pri.Poll. (8240)		
Date Analyzed	12/19/95	12/19/95
Dilution Factor, Times	1	1
1,1,1-Trichloroethane, ug/L	<1	<1
1,1,2,2-Tetrachloroethane, ug/L	<1	<1
1,1,2-Trichloroethane, ug/L	<1	<1
1,1-Dichloroethane, ug/L	<1	<1
1,1-Dichloroethene, ug/L	<1	<1
1,2-Dichloroethane, ug/L	<1	<1
1,2-Dichlorobenzene, ug/L	<1	<1
1,2-Dichloropropane, ug/L	<1	<1
1,3-Dichlorobenzene, ug/L	<1	<1
1,4-Dichlorobenzene, ug/L	<1	<1
2-Chloroethylvinylether, ug/L	<5	<5
2-Hexanone, ug/L	<5	<5
Acetone, ug/L	<20	<20
Acrolein, ug/L	<50	<50
Acrylonitrile, ug/L	<50	<50
Bromodichloromethane, ug/L	<1	<1
Bromomethane, ug/L	<1	<1
Benzene, ug/L	<1	<1
Bromoform, ug/L	<1	<1
Chlorobenzene, ug/L	<1	<1
Carbon Tetrachloride, ug/L	<1	<1
Chloroethane, ug/L	<1	<1
Chloroform, ug/L	<1	<1

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G95-12-307

Received: 14 DEC 95

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-307-5	RB-121495	14 DEC 95
12-307-6	TB-121495	14 DEC 95

PARAMETER	12-307-5	12-307-6
Chloromethane, ug/L	<1	<1
Carbon Disulfide, ug/L	<2	<2
Dibromochloromethane, ug/L	<1	<1
Ethylbenzene, ug/L	<1	<1
Freon 113, ug/L	<2	<2
Methyl ethyl ketone, ug/L	<5	<5
Methyl isobutyl ketone, ug/L	<5	<5
Methylene chloride, ug/L	<2	<2
Styrene, ug/L	<1	<1
Trichloroethene, ug/L	<1	<1
Trichlorofluoromethane, ug/L	<1	<1
Toluene, ug/L	<1	<1
Tetrachloroethene, ug/L	<1	<1
Vinyl acetate, ug/L	<10	<10
Vinyl chloride, ug/L	<1	<1
Total Xylene Isomers, ug/L	<3	<3
cis-1,2-Dichloroethene, ug/L	<1	<1
cis-1,3-Dichloropropene, ug/L	<1	<1
trans-1,2-Dichloroethene, ug/L	<1	<1
trans-1,3-Dichloropropene, ug/L	<1	<1
Surrogates **		
1,2-Dichloroethane-d4 Rep., ug/L	37.9	36.9
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0
4-Bromofluorobenzene Rep., ug/L	44.2	44.6
4-Bromofluorobenzene Theo., ug/L	50.0	50.0
Toluene-d8 Reported, ug/L	49.5	48.4

BCA

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-307-5	RB-121495	14 DEC 95
12-307-6	TB-121495	14 DEC 95

PARAMETER	12-307-5	12-307-6			
Toluene-d8 Theo., ug/L	50.0	50.0			

Jane Freemyer, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 12/14/95 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No.

QA MANAGER: MIKE PALMER PH ~~FAX~~ No. (619) 454-0165

SAMPLER (SIGNATURE):

SAMPLER (PRINTED): GREG CRANHAM (Gregory L. Strunk)

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS	ANALYSES REQUESTED	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING
	TB-121495	12/14/95	1000				X	X				X	(2) 40 ml VOA VIAL	EPA 8240		
	SB-10-2.2		1055	X								X	(1) 2" x 6" BRASS TUBE	EPA 8270		
	SB-10-6.5		1120	X								X	(1) 1-L AMBER GLASS	EPA 8080		X
	RB-121495		1135				X	X				X	(2) 1-L POLY	CCR METALS T22		
	SB-11-1.8		1140	X								X	(1)			
	SB-11-6.5		1205	X								X	(1)			

EXTRACT ONLY 8080 FOR EPA 8270

Total number of Containers per analysis: 4 4

Total No. of Containers: 8

LABORATORY INFORMATION: BCA, WESTERN AVE., GLENDALE, CA

GT951207

REMARKS: ARROW INDICATES BOTTOM OF SAMPLE TUBE. ANALYZE SAMPLE FROM THAT END.

Relinquished by:	Date	Time	Received by:	Date	Time
	12-14-95	16:11		12/14/95	15:11
H+A Company			BCA Company		
Relinquished by:	Date	Time	Received by:	Date	Time
Company			Laboratory		

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with / or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

☐ No. of containers correct ☐ received good condition/cold

☐ custody [redacted] secure ☐ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER FAX:(619) 454-5834

☐ 3385 N. CAMPBELL, SUITE 121 TUCSON, AZ 85719 (602) 881-7300

☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888

X 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165

☐ 111 NORTH SEPULVEDA BLVD., SUITE 350 MANHATTAN BEACH, CA 90266 (310) 372-7992

☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569

Send invoice to La [redacted], CA Business Office Attn: Tom Sturek

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9512307*1	SB-10-2.2	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.20.95	7471	534-06	952210	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.19.95	8270	537-11	95244	6750
		8240.HSL	12.15.95	8240	537-05	9550079	7430
9512307*2	SB-11-1.8	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.19.95	8080	536-27	95192	7616
		8080,PCB	12.19.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.20.95	7471	534-06	952210	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
		8270.HSL	12.20.95	8270	537-11	95244	6763
		8240.HSL	12.18.95	8240	537-05	9550079	7430
9512307*3	SB-11-6.5	DIG,NAQ.HCL	12.19.95	3050		952205	7093
		DIG,NAQ,GFA	12.19.95	3050		952206	7093
		8080	12.21.95	8080	536-27	95192	7616
		8080,PCB	12.21.95	8080	536-27	95192	7616
		AS,GFA	12.21.95	7060	534-07	952206	8488
		SB	12.26.95	6010	535-03	952205	7396
		BA	12.26.95	6010	535-03	952205	7396
		BE	12.26.95	6010	535-03	952205	7396
		CD	12.26.95	6010	535-03	952205	7396
		CR	12.26.95	6010	535-03	952205	7396
		CO	12.26.95	6010	535-03	952205	7396
		CU	12.26.95	6010	535-03	952205	7396
		PB	12.26.95	6010	535-03	952205	7396
		HG,SO	12.20.95	7471	534-06	952210	7093
		MO	12.26.95	6010	535-03	952205	7396
		NI	12.26.95	6010	535-03	952205	7396
		SE,GFA	12.21.95	7740	534-07	952206	8488
		AG	12.26.95	6010	535-03	952205	7396
		TL	12.26.95	6010	535-03	952205	7396
		V	12.26.95	6010	535-03	952205	7396
		ZN	12.26.95	6010	535-03	952205	7396
		8270.HSL	12.21.95	8270	537-11	95244	6763
		8240.HSL	12.19.95	8240	537-05	9550079	7430
9512307*4	SB-10-6.5	8240.HSL	12.18.95	8240	537-05	9550079	7430
		3550,8080.AF	12.15.95	3550		95192	7616
		3550,8270.AF	12.18.95	3550		95244	7643
9512307*5	RB-121495	VOA.8240.HSL	12.19.95	8240	537-05	951019	7430
9512307*6	TB-121495	VOA.8240.HSL	12.19.95	8240	537-05	951019	7430

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	
Batch: VOA*951019 Method: 8240 - GC/MS for Volatile Organics																							
1,1,1-Trichloroethane	ug/L	0	1	-	87	-	81	-	63	132	7	26	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	126	-	116	-	51	157	9	30	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	117	-	103	-	70	136	13	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	81	-	75	-	72	125	8	27	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	85	-	112	-	64	134	28	27	Q	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	94	-	81	-	78	122	15	28	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	108	-	101	-	75	130	6	24	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	100	-	90	-	78	123	11	26	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	106	-	101	-	75	125	5	26	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	105	-	100	-	76	126	5	25	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	88	-	120	-	11	195	31	30	Q	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	153	-	121	-	4	228	24	38	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	64	-	46	-	25	190	32	43	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	-	-	149	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	-	-	165	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	117	-	104	-	79	123	12	25	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	62	-	63	-	61	152	2	29	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	96	-	84	-	73	124	14	26	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	105	-	94	-	58	148	11	37	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	109	-	101	-	75	126	8	23	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	86	-	92	-	70	132	7	29	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	84	-	87	-	58	140	4	33	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	118	-	79	-	74	124	40	23	Q	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	66	-	72	-	56	145	10	37	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	76	-	63	-	62	133	20	29	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	116	-	104	-	73	131	10	28	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	116	-	70	Q	72	131	49	28	Q	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	72	-	88	-	54	146	20	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	82	-	79	-	21	198	4	34	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	119	-	119	-	8	215	0	37	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	105	-	63	Q	72	125	50	26	Q	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	112	-	100	-	72	130	12	32	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	82	-	75	-	71	128	9	21	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	87	-	98	-	45	149	13	27	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	114	-	101	-	78	123	12	22	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	183	Q	98	-	73	127	61	26	Q	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	115	-	112	-	44	158	3	42	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1	-	73	-	81	-	56	144	11	34	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*951019 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	108	-	72	-	72	133	40	25	Q	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	87	-	80	-	74	124	9	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	114	-	103	-	79	124	10	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	84	-	76	-	69	130	10	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	112	-	100	-	70	133	12	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	75	-	Q	85	-	79	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	89	-	-	105	-	103	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	103	-	-	101	-	97	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 952205 Method: 6010 - ICAP Metals																						
Silver	mg/kg	0.11	1	-	100	-	96	-	72	117	4	-	-	84	-	84	-	51	127	0	30	-
Barium	mg/kg	0.070	0.5	-	98	-	96	-	75	114	2	-	-	96	-	111	-	63	129	6	30	-
Beryllium	mg/kg	0.011	0.1	-	100	-	99	-	79	110	2	-	-	102	-	106	-	68	131	4	30	-
Cadmium	mg/kg	0.24	0.5	-	101	-	99	-	75	118	2	-	-	85	-	86	-	55	125	1	30	-
Cobalt	mg/kg	0	4	-	100	-	98	-	71	112	2	-	-	96	-	99	-	59	117	3	30	-
Chromium	mg/kg	0	1	-	103	-	102	-	76	110	1	-	-	97	-	111	-	40	137	10	30	-
Copper	mg/kg	0.44	2	-	101	-	99	-	70	110	2	-	-	100	-	170	Q	54	122	27	30	-
Molybdenum	mg/kg	0	1	-	100	-	97	-	75	112	2	-	-	94	-	98	-	59	114	3	30	-
Nickel	mg/kg	0	4	-	102	-	101	-	73	114	1	-	-	97	-	105	-	52	126	5	30	-
Lead	mg/kg	0.82	5	-	101	-	98	-	73	116	3	-	-	100	-	105	-	42	139	4	30	-
Antimony	mg/kg	2.0	10	-	99	-	106	-	79	115	7	-	-	93	-	94	-	5	118	1	30	-
Thallium	mg/kg	0	7	-	103	-	95	-	71	110	9	-	-	102	-	107	-	58	119	4	30	-
Vanadium	mg/kg	0	4	-	101	-	99	-	80	110	2	-	-	99	-	107	-	67	115	5	30	-
Zinc	mg/kg	0	1	-	103	-	101	-	76	117	2	-	-	-	NC	-	NC	43	142	-	30	NC
Batch: AS,GFA*952206 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/kg	0	0.2	-	100	-	98	-	81	123	2	-	-	87	-	94	-	18	167	4	30	-
Batch: SE,GFA*952206 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/kg	0	0.4	-	108	-	110	-	83	114	2	-	-	82	-	87	-	4	148	5	30	-
Batch: HG,SO*952210 Method: 7471 - Mercury (Solids), Cold Vapor AA, Manual																						
Mercury	mg/kg	0	0.1	-	100	-	98	-	83	124	3	-	-	104	-	96	-	65	136	8	30	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	119	-	-	-	68	131	-	-	-	104	-	127	-	41	148	20	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	112	-	-	-	70	125	-	-	-	93	-	115	-	59	134	21	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	112	-	-	-	69	137	-	-	-	100	-	107	-	58	148	7	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	102	-	-	-	72	129	-	-	-	88	-	107	-	53	135	20	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	119	-	-	-	68	139	-	-	-	102	-	111	-	57	139	8	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	mg/kg	0	5	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	[redacted]	-	-
Vinyl Chloride	mg/kg	0	0.5	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	[redacted]	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9550079 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	82	0	-	86	Q	-	-	87	125	-	-	-	84	-	96	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	85	0	-	83	Q	-	-	85	111	-	-	-	83	-	83	-	74	121	-	-	-
[Toluene-d8]	Percent	96	0	-	96	-	-	-	94	113	-	-	-	97	-	98	-	82	118	-	-	-
Batch: 8080*95192 Method: 8080 - Organochlorine Pesticides and PCBs																						
Aldrin	mg/kg	0	0.0007	-	125	Q	114	-	42	122	9	-	-	112	-	116	-	42	122	3	24	-
Chlordane	mg/kg	0	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDD	mg/kg	0	0.0007	-	107	-	84	-	45	141	24	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDE	mg/kg	0	0.0007	-	113	-	101	-	44	145	11	-	-	-	-	-	-	-	-	-	-	-
p,p'-DDT	mg/kg	0	0.0007	-	110	-	99	-	39	160	10	-	-	83	-	89	-	25	160	7	24	-
Dieldrin	mg/kg	0	0.0007	-	110	-	100	-	44	146	9	-	-	98	-	100	-	36	146	2	37	-
Endosulfan I	mg/kg	0	0.0007	-	87	-	93	-	45	146	7	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	mg/kg	0	0.0007	-	113	-	77	-	44	182	38	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	mg/kg	0	0.004	-	116	-	72	-	28	144	46	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	0	0.0007	-	112	-	96	-	53	147	15	-	-	96	-	100	-	30	147	4	43	-
Endrin aldehyde	mg/kg	0	0.0007	-	93	-	61	-	42	176	41	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	mg/kg	0	0.0007	-	113	-	108	-	49	142	4	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	mg/kg	0	0.0004	-	123	-	116	-	44	166	6	-	-	105	-	106	-	40	148	1	52	-
Methoxychlor	mg/kg	0	0.001	-	101	-	54	Q	58	155	60	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	mg/kg	0	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha isomer	mg/kg	0	0.0004	-	113	-	108	-	52	134	4	-	-	-	-	-	-	-	-	-	-	-
BHC, beta isomer	mg/kg	0	0.0007	-	113	-	105	-	17	122	8	-	-	-	-	-	-	-	-	-	-	-
BHC, delta isomer	mg/kg	0	0.0007	-	113	-	104	-	48	140	9	-	-	-	-	-	-	-	-	-	-	-
BHC, gamma isomer (Lindane)	mg/kg	0	0.0004	-	117	-	111	-	54	127	5	-	-	106	-	108	-	32	127	2	32	-
[Decachlorobiphenyl]	Percent	88	-	-	99	-	53	-	20	147	-	-	-	63	-	67	-	50	164	-	-	-
[Tetrachloro-meta-xylene]	Percent	110	-	-	116	-	110	-	30	142	-	-	-	112	-	107	-	38	155	-	-	-

NON-AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC								
				LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL FLG
Batch: 8080,PCB*95192 Method: 8080 - Organochlorine Pesticides and PCBs																				
Aroclor 1016	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1221	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1232	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1242	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1248	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1254	mg/kg	0	0.03 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
Aroclor 1260	mg/kg	0	0.03 -	78	-	87	-	78	129	11	-	-	82	-	83	-	43	123	1	55 -
[Decachlorobiphenyl]	Percent	88	- -	55	-	123	-	20	147	-	-	-	70	-	69	-	50	164	-	- -
[Tetrachloro-meta-xylene]	Percent	110	- -	107	-	110	-	30	142	-	-	-	111	-	107	-	38	155	-	- -

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95244 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	74	-	79	-	44	116	7	-	-	73	-	70	-	44	115	4	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	82	-	87	-	35	127	6	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	74	-	81	-	43	128	9	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	73	-	80	-	32	110	9	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	74	-	80	-	35	110	7	-	-	72	-	68	-	20	124	6	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	93	-	99	-	23	154	7	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	70	-	74	-	37	144	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	83	-	88	-	39	129	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	77	-	80	-	32	119	4	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	58	-	60	-	1	191	4	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	85	-	87	-	39	139	3	-	-	72	-	72	-	39	139	1	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	61	-	65	-	50	152	6	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	57	-	59	-	32	110	4	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	79	-	83	-	35	116	6	-	-	76	-	73	-	45	110	4	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.2	-	57	-	60	-	1	181	5	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	79	-	84	-	5	165	7	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	78	-	82	-	36	114	6	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	82	-	89	-	38	144	7	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	75	-	80	-	32	130	6	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.4	-	61	-	66	-	1	262	7	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	82	-	89	-	30	152	7	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	70	-	83	-	56	127	17	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	86	-	89	-	35	130	3	-	-	81	-	78	-	40	137	5	32	-
4-Chloroaniline	mg/kg	0	0.2	-	75	-	81	-	31	126	8	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	83	-	85	-	48	132	3	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	82	-	75	-	25	124	8	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	87	-	90	-	3	187	4	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.2	-	79	-	83	-	1	132	6	-	-	59	-	64	-	19	132	9	46	-
Acenaphthene	mg/kg	0	0.2	-	90	-	95	-	47	132	5	-	-	77	-	75	-	47	122	2	34	-
Acenaphthylene	mg/kg	0	0.2	-	85	-	91	-	35	132	6	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	45	-	49	-	1	164	10	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	76	-	82	-	39	130	8	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	0	Q	0	Q	1	200	67	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	77	-	81	-	44	138	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	82	-	86	-	36	128	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	79	-	84	-	24	137	6	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0	0.2	-	58	-	59	-	25	157	3	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0	0.2	-	98	-	105	-	39	142	7	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95244 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	mg/kg	0	0.4	-	69	-	75	-	3	161	8	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	50	-	53	-	1	183	5	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	77	-	84	-	37	151	9	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	83	-	88	-	43	147	6	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	102	-	111	-	21	146	8	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	56	-	58	-	30	154	4	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	86	-	89	-	54	121	3	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0	0.2	-	77	-	82	-	53	125	6	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	76	-	77	-	47	142	2	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	66	-	69	-	32	142	5	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	84	-	87	-	39	137	4	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	85	-	89	-	59	121	4	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	75	-	78	-	48	129	5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	78	-	83	-	29	116	6	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.2	-	71	-	75	-	18	143	6	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	75	-	80	-	40	113	6	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	49	-	53	-	25	162	6	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	64	-	65	-	27	134	3	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	85	-	92	-	17	115	8	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	47	-	51	-	11	110	7	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	62	-	63	-	32	136	1	-	-	96	-	93	-	29	149	3	26	-
Nitrobenzene	mg/kg	0	0.2	-	77	-	81	-	39	115	5	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	78	-	83	-	39	114	6	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	80	-	86	-	54	120	7	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	73	-	77	-	7	110	5	-	-	68	-	66	-	34	122	2	38	-
Pentachlorophenol	mg/kg	0	0.2	-	72	-	72	-	14	163	0	-	-	47	-	44	-	20	165	7	47	-
Pyrene	mg/kg	0	0.2	-	82	-	84	-	52	149	3	-	-	98	-	96	-	52	115	2	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	59	-	57	-	37	130	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	83	-	86	-	40	123	4	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	74	-	77	-	36	140	4	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0.10	0.4	-	71	-	77	-	41	147	9	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	92	-	-	89	-	95	-	43	116	-	-	-	83	-	81	-	38	110	-	-	-
[2-Fluorophenol]	Percent	84	-	-	81	-	85	-	21	100	-	-	-	72	-	68	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	79	-	-	84	-	84	-	40	123	-	-	-	73	-	71	-	28	110	-	-	-
[Nitrobenzene-d5]	Percent	89	-	-	87	-	90	-	37	114	-	-	-	80	-	75	-	34	110	-	-	-
[Phen[redacted]5]	Percent	100	-	-	90	-	93	-	10	93	-	-	-	86	-	81	-	31	110	[redacted]	-	
[Terp[redacted]l-d14]	Percent	81	-	-	74	-	78	-	33	141	-	-	-	89	-	84	-	18	130	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 10:18:03 28 DEC 1995 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9512307*1									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0084	0.0083	101		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0054	0.0083	65		50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0084	0.0083	101		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0054	0.0083	65		50	164
8270	2-Fluorophenol	95244	12/19/95	1.76	2.50	70		25	110
	Phenol-d5	95244	12/19/95	2.15	2.50	86		31	110
	Nitrobenzene-d5	95244	12/19/95	1.27	1.67	76		34	110
	2-Fluorobiphenyl	95244	12/19/95	1.35	1.67	81		38	110
	2,4,6-Tribromophenol Rep.	95244	12/19/95	1.60	2.50	64		28	110
	Terphenyl-d14	95244	12/19/95	1.51	1.67	90		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/15/95	4.18	5.00	84		78	121
	Toluene-d8	9550079	12/15/95	4.89	5.00	98		82	118
	4-Bromofluorobenzene Rep.	9550079	12/15/95	4.20	5.00	84		74	121
9512307*2									
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0091	0.0083	110		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0038	0.0083	46	Q	50	164
8080	Tetrachloro-meta-xylene	R95192	12/19/95	0.0091	0.0083	110		38	155
	Decachlorobiphenyl	95192	12/19/95	0.0038	0.0083	46	Q	50	164
8270	2-Fluorophenol	95244	12/20/95	2.01	2.50	80		25	110
	Phenol-d5	95244	12/20/95	2.43	2.50	97		31	110
	Nitrobenzene-d5	95244	12/20/95	1.50	1.67	90		34	110
	2-Fluorobiphenyl	95244	12/20/95	1.61	1.67	96		38	110
	2,4,6-Tribromophenol Rep.	95244	12/20/95	2.08	2.50	83		28	110
	Terphenyl-d14	95244	12/20/95	1.67	1.67	100		18	130
8240	1,2-Dichloroethane-d4 Rep	9550079	12/18/95	79.6	100	80		78	121
	Toluene-d8	9550079	12/18/95	99.3	100	99		82	118
	4-Bromofluorobenzene Rep.	9550079	12/18/95	87.0	100	87		74	121
9512307*3									
8080	Tetrachloro-meta-xylene	R95192	12/21/95	0.0114	0.0083	137		38	155
	Decachlorobiphenyl	95192	12/21/95	0.0009	0.0083	11	Q	50	164
3080	Tetrachloro-meta-xylene	R95192	12/21/95	0.0114	0.0083	137		38	155
	Decachlorobiphenyl	95192	12/21/95	0.0009	0.0083	11	Q	50	164
8270	2-Fluorophenol	95244	12/21/95	1.92	2.50	77		25	110
	Phenol-d5	95244	12/21/95	2.51	2.50	100		31	110
	Nitrobenzene-d5	95244	12/21/95	1.76	1.67	105		34	110
	2-Fluorobiphenyl	95244	12/21/95	1.81	1.67	108		38	110
	2,4,6-Tribromophenol Rep.	95244	12/21/95	1.71	2.50	68		28	110
	Terphenyl-d14	95244	12/21/95	1.74	1.67	104		18	130
3240	1,2-Dichloroethane-d4 Rep	9550079	12/19/95	220	250	88		78	121
	Toluene-d8	9550079	12/19/95	246	250	98		82	118
	4-Bromofluorobenzene Rep.	9550079	12/19/95	220	250	88		74	121
9512307*4									
8240	1,2-Dichloroethane-d4 Rep	9550079	12/18/95	4.08	5.00	82		78	121
	Toluene-d8	9550079	12/18/95	4.89	5.00	98		82	118
	4-Bromofluorobenzene Rep.	9550079	12/18/95	4.32	5.00	86		74	121
9512307*5									

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
8240	1,2-Dichloroethane-d4 Rep	951019	12/19/95	37.9	50.0	76	Q	79	114
	Toluene-d8	951019	12/19/95	49.5	50.0	99		92	110
	4-Bromofluorobenzene Rep.	951019	12/19/95	44.2	50.0	88		85	111
9512307*6									
8240	1,2-Dichloroethane-d4 Rep	951019	12/19/95	36.9	50.0	74	Q	79	114
	Toluene-d8	951019	12/19/95	48.4	50.0	97		92	110
	4-Bromofluorobenzene Rep.	951019	12/19/95	44.6	50.0	89		85	111

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

ANALYTICAL REPORT

LOG NO: G95-12-308

Received: 14 DEC 95

Mailed: JAN - 5 1996

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
Digestion (3010), Date	12/27/95
Furnace Digestion (3020), Date	12/27/95
Arsenic (7060), mg/L	0.0030
Antimony (6010), mg/L	<0.1
Barium (6010), mg/L	0.037
Beryllium (6010), mg/L	<0.001
Cadmium (7131), mg/L	0.0032
Chromium (6010), mg/L	0.040
Cobalt (6010), mg/L	<0.04
Copper (6010), mg/L	0.12
Lead (239.2), mg/L	0.024
Mercury (7470), mg/L	<0.0002
Molybdenum (6010), mg/L	0.015
Nickel (6010), mg/L	0.058
Selenium (7740), mg/L	<0.004
Silver (6010), mg/L	<0.01
Thallium (6010), mg/L	<0.07
Vanadium (6010), mg/L	<0.04
Zinc (6010), mg/L	1.4

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
B/N,A Ext.Pri.Poll. (8270)	
Date Analyzed	12/20/95
Date Extracted	12/18/95
Dilution Factor, Times	1
1,2,4-Trichlorobenzene, ug/L	<5
1,2-Dichlorobenzene, ug/L	<5
1,2-Diphenylhydrazine, ug/L	<5
1,3-Dichlorobenzene, ug/L	<5
1,4-Dichlorobenzene, ug/L	<5
2,4,5-Trichlorophenol, ug/L	<5
2,4,6-Trichlorophenol, ug/L	<5
2,4-Dichlorophenol, ug/L	<5
2,4-Dimethylphenol, ug/L	<5
2,4-Dinitrophenol, ug/L	<10
2,4-Dinitrotoluene, ug/L	<5
2,6-Dinitrotoluene, ug/L	<5
2-Chloronaphthalene, ug/L	<5
2-Chlorophenol, ug/L	<5
2-Methyl-4,6-dinitrophenol, ug/L	<5
2-Methylnaphthalene, ug/L	<5
2-Methylphenol (o-Cresol), ug/L	<5
2-Nitroaniline, ug/L	<5
2-Nitrophenol, ug/L	<5
3,3'-Dichlorobenzidine, ug/L	<10
3-Nitroaniline, ug/L	<5
4-Bromophenylphenylether, ug/L	<5
4-Chloro-3-methylphenol, ug/L	<5

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
4-Chloroaniline, ug/L	<5
4-Chlorophenylphenylether, ug/L	<5
4-Methylphenol (p-Cresol), ug/L	<10
4-Nitroaniline, ug/L	<5
4-Nitrophenol, ug/L	<5
Acenaphthene, ug/L	<5
Acenaphthylene, ug/L	<5
Aniline, ug/L	<5
Anthracene, ug/L	<5
Benzidine, ug/L	<100
Benzo(a)anthracene, ug/L	<5
Benzo(a)pyrene, ug/L	<5
Benzo(b)fluoranthene, ug/L	<5
Benzo(g,h,i)perylene, ug/L	<5
Benzo(k)fluoranthene, ug/L	<5
Benzyl Alcohol, ug/L	<10
Benzoic acid, ug/L	<50
Butylbenzylphthalate, ug/L	<5
Chrysene, ug/L	<5
Di-n-octylphthalate, ug/L	<5
Dibenzo(a,h)anthracene, ug/L	<5
Dibenzofuran, ug/L	<5
Dibutylphthalate, ug/L	<5
Diethylphthalate, ug/L	<5
Dimethylphthalate, ug/L	<5
Fluoranthene, ug/L	<5
Fluorene, ug/L	<5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
Hexachlorobenzene, ug/L	<5
Hexachlorobutadiene, ug/L	<5
Hexachlorocyclopentadiene, ug/L	<5
Hexachloroethane, ug/L	<5
Indeno(1,2,3-c,d)pyrene, ug/L	<5
Isophorone, ug/L	<5
N-Nitrosodimethylamine, ug/L	<5
N-Nitrosodiphenylamine, ug/L	<5
N-Nitrosodi-n-propylamine, ug/L	<5
Nitrobenzene, ug/L	<5
Naphthalene, ug/L	<5
Phenanthrene, ug/L	<5
Phenol, ug/L	<5
Pentachlorophenol, ug/L	<5
Pyrene, ug/L	<5
Pyridine, ug/L	<10
Bis(2-chloroethoxy)methane, ug/L	<5
Bis(2-chloroethyl)ether, ug/L	<5
Bis(2-chloroisopropyl)ether, ug/L	<5
Bis(2-ethylhexyl)phthalate, ug/L	44
Surrogates **	
2-Fluorobiphenyl Reported, ug/L	47.4
2-Fluorobiphenyl Theo., ug/L	50.0
2-Fluorophenol Reported, ug/L	33.0
2-Fluorophenol Theoretical, ug/L	75.0
2,4,6-Tribromophenol Rep., ug/L	65.5
2,4,6-Tribromophenol Theo., ug/L	75.0

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
Nitrobenzene-d5 Reported, ug/L	51.0
Nitrobenzene-d5 Theoretical, ug/L	50.0
Phenol-d5 Reported, ug/L	31.8
Phenol-d5 Theoretical, ug/L	75.0
Terphenyl-d14 Reported, ug/L	43.2
Terphenyl-d14 Theoretical, ug/L	50.0

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
Vol.Pri.Poll. (8240)	
Date Analyzed	12/19/95
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	87
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	1.7
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	34
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	1.2
Chloromethane, ug/L	<1

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
12-308-1	BT-01	14 DEC 95

PARAMETER	12-308-1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	26
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	10
Trichlorofluoromethane, ug/L	1.6
Toluene, ug/L	66
Tetrachloroethene, ug/L	150
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	4.8
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	48.7
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	47.3
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.8
Toluene-d8 Theo., ug/L	50.0

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Irvine, California 92718

Project: 445

REPORT OF ANALYTICAL RESULTS Page 8

R. Toghrol For JF
Jane Freemyer Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar locati

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BCA

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445

PROJECT MANAGER: DENNIS ENGLAND Phone No.

QA MANAGER: MIKE PALMER PH ~~FAX~~ No. (619) 454-0165

SAMPLER (SIGNATURE): [signature]

SAMPLER (PRINTED): GREG CRANHAM, Greg Stewart

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA

G9512308

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 40-ML VOA VIAL	SAMPLE CONTAINERS 1-L AMBER GLASS	SAMPLE CONTAINERS 1-L POLYETHYLENE	ANALYSES REQUESTED EPA 8240	ANALYSES REQUESTED EPA 8270	ANALYSES REQUESTED CCR METALS T22	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S 0-20	SPECIAL HANDLING	REMARKS
	BT-01	12/14/95	1455			X	X				X	2			X			X		
	↓	↓	↓			X					X		2			X				
						X		X			X			1			X			
Total number of Containers per analysis:												2	2	1						Total No. of Containers: 5

Relinquished by:	Date	Received by:	Date
[signature]	12/14/95	[signature]	12/14/95
H+A	Time 18:11	BCA	Time 18:11
Company		Company	

Relinquished by:	Date	Received by:	Date
	Time		Time
Company		Laboratory	

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☐ No. of containers correct
- ☐ received good condition/cold
- ☐ custody seals secure
- ☐ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER FAX: (619) 454-5839

- [ ] 3385 N. CAMPBELL, SUITE 121 TUCSON, AZ 85719 (602) 881-7300
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- [X] 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- [ ] 111 NORTH SEPULVEDA BLVD., SUITE 350 MANHATTAN BEACH, CA 90266 (310) 372-7992
- [ ] 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569

Send invoice to La Jolla, CA Business Office Attn: Kim Sturek

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9512308 :
: BC ANALYTICAL : GLEN LAB : 10:04:46 03 JAN 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9512308*1	BT-01	AS,GFA	12.29.95	7060	534-07	952244	8488
		SB	12.27.95	6010	535-03	952245	7396
		BA	12.27.95	6010	535-03	952245	7396
		BE	12.27.95	6010	535-03	952245	7396
		CD,GFA	01.02.96	7131	534-04	952244	7396
		CR	12.27.95	6010	535-03	952245	7396
		CO	12.27.95	6010	535-03	952245	7396
		CU	12.27.95	6010	535-03	952245	7396
		PB,GFA	12.29.95	239.2	534-07	952244	8488
		HG	12.29.95	7470	534-06	952260	7620
		MO	12.27.95	6010	535-03	952245	7396
		NI	12.27.95	6010	535-03	952245	7396
		SE,GFA	12.29.95	7740	534-07	952244	8488
		AG	12.27.95	6010	535-03	952245	7396
		TL	12.27.95	6010	535-03	952245	7396
		V	12.27.95	6010	535-03	952245	7396
		ZN	12.27.95	6010	535-03	952245	7396
		BNA.8270.HSL	12.20.95	8270	537-11	95243	6750
		VOA.8240.HSL	12.19.95	8240	537-02	95592	7430
		DIG,AQ.HCL	12.27.95	3010		952245	7620
		DIG,AQ,GFA	12.27.95	3020		952244	7620

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

QC REPORT FOR 9512308

D[redacted] PRINTED: 05 JAN 1996

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------							
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: AS,GFA*952244 Method: 7060 - Arsenic, AA, Furnace																						
Arsenic	mg/L	0.0018	0.002	-	92	-	-	-	74	124	-	-	-	66	-	75	-	48	140	14	20	-
Batch: CD,GFA*952244 Method: 7131 - Cadmium, AA, Furnace																						
Cadmium	mg/L	0	0.001	-	107	-	108	-	78	125	1	-	-	64	-	66	-	63	155	2	20	-
Batch: SE,GFA*952244 Method: 7740 - Selenium, AA, Furnace																						
Selenium	mg/L	0.0020	0.004	-	111	-	-	-	76	118	-	-	-	52	-	51	-	10	143	2	20	-
Batch: 952245 Method: 6010 - ICAP Metals																						
Silver	mg/L	0	0.01	-	96	-	95	-	72	117	1	-	-	87	-	88	-	74	112	0	20	-
Barium	mg/L	0	0.005	-	87	-	86	-	75	114	2	-	-	81	-	80	-	74	110	1	20	-
Beryllium	mg/L	0	0.001	-	93	-	91	-	79	110	2	-	-	83	-	82	-	71	113	1	20	-
Cobalt	mg/L	0	0.04	-	96	-	95	-	71	112	1	-	-	79	-	78	-	67	110	2	20	-
Chromium	mg/L	0	0.01	-	98	-	97	-	76	110	1	-	-	75	-	76	-	68	111	1	20	-
Copper	mg/L	0	0.02	-	91	-	90	-	70	110	1	-	-	93	-	91	-	68	110	2	20	-
Molybdenum	mg/L	0	0.01	-	95	-	95	-	75	112	0	-	-	83	-	82	-	71	110	2	20	-
Nickel	mg/L	0	0.04	-	101	-	99	-	73	114	2	-	-	82	-	80	-	65	113	1	20	-
Antimony	mg/L	0	0.1	-	98	-	95	-	79	115	3	-	-	91	-	88	-	83	112	3	20	-
Thallium	mg/L	0	0.07	-	93	-	91	-	71	110	2	-	-	79	-	77	-	66	110	3	20	-
Vanadium	mg/L	0	0.04	-	94	-	92	-	80	110	1	-	-	76	-	76	-	72	110	1	20	-
Zinc	mg/L	0	0.01	-	101	-	100	-	76	117	1	-	-	94	-	96	-	61	121	1	20	-
Batch: HG*952260 Method: 7470 - Mercury (Liquid), Cold Vapor AA, Manual																						
Mercury	mg/L	0.0001	0.0002	-	95	-	105	-	71	123	10	-	-	95	-	95	-	53	143	0	20	-
Batch: PB,GFA*952244 Method: 239.2 - Lead, AA, Furnace																						
Lead	mg/L	0	0.002	-	94	-	-	-	77	124	-	-	-	72	-	68	-	40	156	6	20	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*95592 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	97	-	85	-	63	132	13	26	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0.84	1	-	96	-	102	-	51	157	6	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	101	-	104	-	70	136	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	97	-	87	-	72	125	10	27	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	93	-	84	-	64	134	10	27	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	89	-	83	-	78	122	7	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	85	-	84	-	75	130	1	24	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	109	-	97	-	78	123	11	26	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	87	-	85	-	75	125	3	26	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	88	-	86	-	76	126	3	25	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	54	-	51	-	11	195	5	30	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	105	-	122	-	4	228	15	38	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	7.9	20	-	83	-	84	-	25	190	1	43	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	13	50	-	78	-	87	-	30	183	11	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	21	50	-	93	-	103	-	34	182	10	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	94	-	90	-	79	123	4	25	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	89	-	81	-	61	152	9	29	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	107	-	95	-	73	124	12	26	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	90	-	92	-	58	148	2	37	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	103	-	102	-	75	126	1	23	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	98	-	86	-	70	132	14	29	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	100	-	90	-	58	140	11	33	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	84	-	74	124	9	23	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	90	-	81	-	56	145	10	37	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	84	-	62	133	11	29	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	96	-	98	-	73	131	2	28	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	96	-	94	-	72	131	2	28	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	84	-	54	146	11	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	88	-	94	-	21	198	6	34	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	93	-	103	-	8	215	10	37	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.77	2	-	77	-	73	-	72	125	6	26	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	101	-	99	-	72	130	2	32	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	105	-	92	-	71	128	13	21	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	87	-	78	-	45	149	12	27	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0.39	1	-	106	-	100	-	78	123	5	22	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	102	-	97	-	73	127	5	26	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	85	-	102	-	44	158	18	42	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1	-	102	-	88	-	56	144	15	34	-	-	-	-	-	-	-	-	-	-

QC REPORT FOR 9512308

D[redacted]PRINTED: 05 JAN 1996

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*95592 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	97	-	87	-	72	133	10	25	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	97	-	86	-	74	124	11	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	101	-	97	-	79	124	4	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	86	-	69	130	10	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	97	-	97	-	70	133	1	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	89	-	90	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	95	-	-	90	-	94	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	101	-	-	100	-	103	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

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AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*95243 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	0	5	-	77	-	80	-	44	116	3	-	-	66	-	71	-	44	120	6	39	-
1,2-Dichlorobenzene	ug/L	0	5	-	74	-	74	-	35	127	0	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	5	-	87	-	88	-	43	128	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	5	-	74	-	73	-	32	110	1	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	5	-	75	-	74	-	35	110	1	-	-	66	-	71	-	39	110	7	34	-
2,4,5-Trichlorophenol	ug/L	0	5	-	87	-	99	-	23	154	12	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	5	-	87	-	99	-	37	144	13	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	0	5	-	77	-	86	-	39	129	11	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	0	5	-	80	-	89	-	32	119	11	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	0	10	-	68	-	85	-	1	191	23	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	5	-	91	-	99	-	39	139	8	-	-	70	-	71	-	48	139	2	25	-
2,6-Dinitrotoluene	ug/L	0	5	-	85	-	91	-	50	152	7	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	0	5	-	59	-	62	-	32	110	4	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	0	5	-	77	-	83	-	35	116	7	-	-	99	-	106	-	43	110	7	24	-
2-Methyl-4,6-dinitrophenol	ug/L	0	5	-	75	-	87	-	1	181	15	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	0	5	-	86	-	89	-	5	165	3	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	5	-	82	-	89	-	36	114	8	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	0	5	-	94	-	99	-	38	144	5	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	0	5	-	78	-	86	-	32	130	10	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	10	-	175	-	193	-	1	262	10	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	0	5	-	95	-	101	-	30	152	7	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	0	5	-	80	-	83	-	56	127	4	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	5	-	87	-	98	-	35	130	12	-	-	139	Q	147	Q	48	127	6	31	-
4-Chloroaniline	ug/L	0	5	-	87	-	91	-	31	126	5	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	5	-	84	-	86	-	48	132	1	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	10	-	71	-	80	-	25	124	11	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	0	5	-	124	-	129	-	3	187	4	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	0	5	-	59	-	70	-	1	132	16	-	-	33	-	56	-	1	132	53	34	Q
Acenaphthene	ug/L	0	5	-	99	-	103	-	47	132	4	-	-	82	-	88	-	52	131	7	26	-
Acenaphthylene	ug/L	0	5	-	96	-	99	-	35	132	3	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	0	5	-	75	-	77	-	1	164	3	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	0	5	-	82	-	85	-	39	130	4	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	0	100	-	123	-	141	-	1	200	13	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	5	-	83	-	88	-	44	138	6	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	0	5	-	90	-	95	-	36	128	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	5	-	71	-	75	-	24	137	6	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	5	-	91	-	95	-	25	157	5	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	0	5	-	81	-	86	-	39	142	6	-	-	-	-	-	-	-	-	-	-	-

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AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*95243 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	ug/L	0	10	-	88	-	90	-	3	161	2	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	0	50	-	7	-	19	-	1	183	89	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	0	5	-	85	-	90	-	37	151	6	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	0	5	-	87	-	90	-	43	147	4	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	0	5	-	80	-	84	-	21	146	5	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	5	-	90	-	96	-	30	154	7	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	0	5	-	90	-	94	-	54	121	4	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	0	5	-	83	-	86	-	53	125	4	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	0	5	-	93	-	97	-	47	142	5	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	0	5	-	87	-	92	-	32	142	5	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	0	5	-	89	-	91	-	39	137	3	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	0	5	-	96	-	99	-	59	121	3	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	0	5	-	80	-	84	-	48	129	5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	5	-	80	-	82	-	29	116	3	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	5	-	102	-	106	-	18	143	4	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	0	5	-	74	-	75	-	40	113	2	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	5	-	98	-	105	-	25	162	7	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	0	5	-	93	-	97	-	27	134	5	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	5	-	79	-	74	-	17	115	7	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	5	-	65	-	68	-	11	110	5	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	5	-	84	-	87	-	32	136	3	-	-	148	Q	157	Q	33	135	6	25	-
Nitrobenzene	ug/L	0	5	-	81	-	83	-	39	115	3	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	5	-	81	-	83	-	39	114	2	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	0	5	-	87	-	92	-	54	120	5	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	0	5	-	51	-	54	-	7	110	6	-	-	65	-	70	-	5	110	7	30	-
Pentachlorophenol	ug/L	0	5	-	67	-	79	-	14	163	17	-	-	87	-	95	-	14	176	8	39	-
Pyrene	ug/L	0	5	-	82	-	87	-	52	149	6	-	-	79	-	86	-	45	162	8	34	-
Pyridine	ug/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	5	-	88	-	93	-	37	130	5	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	5	-	83	-	84	-	40	123	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	5	-	85	-	87	-	36	140	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	5.3	10	-	94	-	97	-	41	147	3	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	82	-	-	86	-	92	-	43	116	-	-	-	87	-	92	-	43	116	-	-	-
[2-Fluorophenol]	Percent	69	-	-	77	-	77	-	21	100	-	-	-	87	-	92	-	21	100	-	-	-
[2,4,6-Tribromophenol]	Percent	84	-	-	100	-	108	-	40	123	-	-	-	82	-	88	-	10	123	-	-	-
[Nitrobenzene-d5]	Percent	81	-	-	85	-	91	-	37	114	-	-	-	106	-	120	Q	35	114	-	-	-
[Phenol-d5]	Percent	49	-	-	55	-	57	-	10	93	-	-	-	77	-	81	-	10	94	-	-	-
[Terphenyl-d14]	Percent	71	-	-	67	-	74	-	33	141	-	-	-	69	-	72	-	33	141	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 10:04:33 03 JAN 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9512308*1									
8270	2-Fluorophenol	95243	12/20/95	33.0	75.0	44		21	100
	Phenol-d5	95243	12/20/95	31.8	75.0	42		10	94
	Nitrobenzene-d5	95243	12/20/95	51.0	50.0	102		35	114
	2-Fluorobiphenyl	95243	12/20/95	47.4	50.0	95		43	116
	2,4,6-Tribromophenol Rep.	95243	12/20/95	65.5	75.0	87		10	123
	Terphenyl-d14	95243	12/20/95	43.2	50.0	86		33	141
8240	1,2-Dichloroethane-d4 Rep	95592	12/19/95	48.7	50.0	97		79	114
	Toluene-d8	95592	12/19/95	49.8	50.0	100		92	110
	4-Bromofluorobenzene Rep.	95592	12/19/95	47.3	50.0	95		85	111

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

ANALYTICAL REPORT

LOG NO: G96-01-414

RECEIVED
JAN 29 1996
ENGLAND & ASSOCIATES

Received: 22 JAN 96

Mailed: JAN 26 '96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-414-1	SB-15-6.7	11 DEC 95

PARAMETER	01-414-1
Semi-volatiles (8270)	
Date Analyzed	01/24/96
Date Extracted	12/13/95
Dilution Factor, Times	1
1,2,4-Trichlorobenzene, mg/kg	<0.2
1,2-Dichlorobenzene, mg/kg	<0.2
1,2-Diphenylhydrazine, mg/kg	<0.2
1,3-Dichlorobenzene, mg/kg	<0.2
1,4-Dichlorobenzene, mg/kg	<0.2
2,4,5-Trichlorophenol, mg/kg	<0.2
2,4,6-Trichlorophenol, mg/kg	<0.2
2,4-Dichlorophenol, mg/kg	<0.2
2,4-Dimethylphenol, mg/kg	<0.2
2,4-Dinitrophenol, mg/kg	<0.4
2,4-Dinitrotoluene, mg/kg	<0.2
2,6-Dinitrotoluene, mg/kg	<0.2
2-Chloronaphthalene, mg/kg	<0.2
2-Chlorophenol, mg/kg	<0.2
2-Methyl-4,6-dinitrophenol, mg/kg	<0.4
2-Methylnaphthalene, mg/kg	<0.2
2-Methylphenol (o-Cresol), mg/kg	<0.2
2-Nitroaniline, mg/kg	<0.2
2-Nitrophenol, mg/kg	<0.2
3,3'-Dichlorobenzidine, mg/kg	<0.4
3-Nitroaniline, mg/kg	<0.2
4-Bromophenylphenylether, mg/kg	<0.2
4-Chloro-3-methylphenol, mg/kg	<0.2
4-Chloroaniline, mg/kg	<0.2

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-414

Received: 22 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-414-1	SB-15-6.7	11 DEC 95

PARAMETER	01-414-1				
4-Chlorophenylphenylether, mg/kg	<0.2				
4-Methylphenol (p-Cresol), mg/kg	<0.4				
4-Nitroaniline, mg/kg	<0.2				
4-Nitrophenol, mg/kg	<0.4				
Acenaphthene, mg/kg	<0.2				
Acenaphthylene, mg/kg	<0.2				
Aniline, mg/kg	<0.2				
Anthracene, mg/kg	<0.2				
Benzidine, mg/kg	<4				
Benzo(a)anthracene, mg/kg	<0.2				
Benzo(a)pyrene, mg/kg	<0.2				
Benzo(b)fluoranthene, mg/kg	<0.2				
Benzo(g,h,i)perylene, mg/kg	<0.2				
Benzo(k)fluoranthene, mg/kg	<0.2				
Benzyl Alcohol, mg/kg	<0.4				
Benzoic acid, mg/kg	<2				
Butylbenzylphthalate, mg/kg	<0.2				
Chrysene, mg/kg	<0.2				
Di-n-octylphthalate, mg/kg	<0.2				
Dibenzo(a,h)anthracene, mg/kg	<0.2				
Dibenzofuran, mg/kg	<0.2				
Dibutylphthalate, mg/kg	<0.2				
Diethylphthalate, mg/kg	<0.2				
Dimethylphthalate, mg/kg	<0.2				
Fluoranthene, mg/kg	<0.2				
Fluorene, mg/kg	<0.2				
Hexachlorobenzene, mg/kg	<0.2				

BCA

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-414-1	SB-15-6.7	11 DEC 95

PARAMETER	01-414-1
Hexachlorobutadiene, mg/kg	<0.2
Hexachlorocyclopentadiene, mg/kg	<0.4
Hexachloroethane, mg/kg	<0.2
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.2
Isophorone, mg/kg	<0.2
N-Nitrosodimethylamine, mg/kg	<0.2
N-Nitrosodiphenylamine, mg/kg	<0.2
N-Nitrosodi-n-propylamine, mg/kg	<0.2
Nitrobenzene, mg/kg	<0.2
Naphthalene, mg/kg	<0.2
Phenanthrene, mg/kg	<0.2
Phenol, mg/kg	<0.2
Pentachlorophenol, mg/kg	<0.4
Pyrene, mg/kg	<0.2
Pyridine, mg/kg	<0.4
Bis(2-chloroethoxy)methane, mg/kg	<0.2
Bis(2-chloroethyl)ether, mg/kg	<0.2
Bis(2-chloroisopropyl)ether, mg/kg	<0.2
Bis(2-ethylhexyl)phthalate, mg/kg	<0.4
Surrogates **	
2-Fluorobiphenyl Reported, mg/kg	1.65
2-Fluorobiphenyl Theo., mg/kg	1.67
2-Fluorophenol Reported, mg/kg	2.23
2-Fluorophenol Theoretical, mg/kg	2.50
2,4,6-Tribromophenol Rep., mg/kg	2.05
2,4,6-Tribromophenol Theo., mg/kg	2.50
Nitrobenzene-d5 Reported, mg/kg	1.48

BCA

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801 Western Avenue
Glendale, CA 91201
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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-414-1	SB-15-6.7	11 DEC 95

PARAMETER	01-414-1
Nitrobenzene-d5 Theoretical, mg/kg	1.67
Phenol-d5 Reported, mg/kg	2.42
Phenol-d5 Theoretical, mg/kg	2.50
Terphenyl-d14 Reported, mg/kg	1.47
Terphenyl-d14 Theoretical, mg/kg	1.67

Linda Geddes for JF
Jane Freemyer, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8085
QA MANAGER: MIKE PALMER PH/~~FAX~~ No. (619) 454-0165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CRANHAM, Greg Stevens

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-ML VOA VIAL	2" x 6" BRASS TUBE	ANALYSES REQUESTED: EPA 8240	EPA 8270	EPA 8080	CCR METALS T22	SPECIAL HANDLING: EXTRACT ONLY FOR EPA 8270 AND 8080
	TB-121195	12/11/95	1125				X	X				X	(2)		X				
	SB-2-1.8		1130	X								X		1	X	X	X	X	
	SB-2-6.5		1145	X								X		1	X				X
	SB-4-1.6		1205	X								X		1	X	X	X	X	
	SB-4-6.6		1227	X								X		1	X				X
	SB-5-1.8		1240	X								X		1	X	X	X		
	SB-5-6.5		1300	X								X		1	X				X
	SB-15-1.7		1318	X								X		1	X	X	X	X	
	SB-15-6.7		1340	X								X		1	X				X
	SB-14-1.8		1405	X								X		1	X	X	X	X	
	SB-14-6.6		1435	X								X		1	X				X
	RB-121195		1445				X	X				X	(2)		X				
	SB-7-1.7		1452	X								X		1	X	X	X	X	
	SB-7-6.6	↓	1517	X								X		1	X				X
Total number of Containers per analysis:													4	12					

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA

GC51220

REMARKS: ARROW INDICATES BOTTOM OF SAMPLE TUBE TO ANALYZE. SAMPLE FROM THAT END.

Total No. of Containers: 16

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
	12/11/95	18:40	H+A		12/11/95	18:40	BCA
Relinquished by:	Date	Time	Company	Received by:	Date	Time	Laboratory

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165 FAX (619) 454-5839
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

ORDER PLACED FOR CLIENT: England and Associates 9601414 :
BC ANALYTICAL : GLEN LAB : 10:22:27 26 JAN 1996 - P. 1 :

AMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
501414*1	SB-15-6.7	8270.HSL	01.24.96	8270	537-11	95241	6763

**

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

QC REPORT FOR 9601414
DATE PRINTED: 26 JAN 1996

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95241 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	mg/kg	0	0.2	-	80	-	87	-	48	114	9	-	-	79	-	90	-	40	113	13	36	-
1,2-Dichlorobenzene	mg/kg	0	0.2	-	81	-	88	-	49	117	8	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	mg/kg	0	0.2	-	73	-	78	-	58	129	6	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.2	-	80	-	84	-	47	111	5	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.2	-	81	-	86	-	48	112	7	-	-	76	-	87	-	33	115	13	37	-
2,4,5-Trichlorophenol	mg/kg	0	0.2	-	102	-	111	-	56	136	8	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0	0.2	-	75	-	81	-	54	131	8	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0	0.2	-	83	-	88	-	49	116	6	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0	0.2	-	79	-	84	-	44	112	7	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/kg	0	0.4	-	69	-	89	-	25	179	25	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0	0.2	-	86	-	97	-	67	131	11	-	-	77	-	86	-	27	132	10	36	-
2,6-Dinitrotoluene	mg/kg	0	0.2	-	81	-	91	-	58	124	12	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0	0.2	-	60	-	66	-	37	102	9	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/kg	0	0.2	-	81	-	86	-	47	116	7	-	-	80	-	92	-	50	107	14	29	-
2-Methyl-4,6-dinitrophenol	mg/kg	0	0.4	-	69	-	85	-	46	139	20	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0	0.2	-	87	-	94	-	5	165	8	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	mg/kg	0	0.2	-	90	-	98	-	45	111	8	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/kg	0	0.2	-	84	-	94	-	59	129	11	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/kg	0	0.2	-	82	-	88	-	48	114	7	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/kg	0	0.4	-	82	-	89	-	1	262	8	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/kg	0	0.2	-	90	-	104	-	57	126	14	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	mg/kg	0	0.2	-	77	-	82	-	59	122	6	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0	0.2	-	88	-	95	-	55	131	8	-	-	91	-	99	-	55	114	8	32	-
4-Chloroaniline	mg/kg	0	0.2	-	75	-	83	-	27	120	10	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	mg/kg	0	0.2	-	84	-	89	-	59	124	6	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	mg/kg	0	0.4	-	78	-	83	-	47	119	7	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/kg	0	0.2	-	85	-	102	-	48	136	19	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/kg	0	0.4	-	66	-	77	-	29	171	16	-	-	60	-	63	-	19	132	5	46	-
Acenaphthene	mg/kg	0	0.2	-	95	-	104	-	57	117	9	-	-	86	-	93	-	44	128	8	34	-
Acenaphthylene	mg/kg	0	0.2	-	90	-	97	-	56	136	8	-	-	-	-	-	-	-	-	-	-	-
Aniline	mg/kg	0	0.2	-	43	-	51	-	1	118	17	-	-	-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0	0.2	-	81	-	85	-	57	115	5	-	-	-	-	-	-	-	-	-	-	-
Benzidine	mg/kg	0	4	-	13	-	9	-	1	200	33	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0	0.2	-	83	-	90	-	44	138	8	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0	0.2	-	83	-	92	-	36	128	10	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0	0.2	-	75	-	84	-	24	137	11	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0	0.2	-	77	-	87	-	25	157	13	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0	0.2	-	88	-	96	-	39	142	8	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8270*95241 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzyl Alcohol	mg/kg	0	0.4	-	82	-	89	-	40	126	8	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	mg/kg	0	2	-	66	-	71	-	1	183	7	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	mg/kg	0	0.2	-	84	-	92	-	37	151	9	-	-	-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0	0.2	-	91	-	93	-	43	147	3	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	mg/kg	0	0.2	-	77	-	87	-	21	146	12	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	mg/kg	0	0.2	-	68	-	79	-	30	154	16	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/kg	0	0.2	-	85	-	92	-	58	128	8	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	mg/kg	0	0.2	-	79	-	80	-	53	125	1	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	mg/kg	0	0.2	-	84	-	91	-	63	123	8	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	mg/kg	0	0.2	-	85	-	90	-	61	129	6	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0	0.2	-	80	-	86	-	39	137	6	-	-	-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0	0.2	-	89	-	96	-	57	128	8	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/kg	0	0.2	-	78	-	83	-	59	126	6	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0	0.2	-	80	-	84	-	46	123	5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/kg	0	0.4	-	77	-	92	-	28	207	18	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/kg	0	0.2	-	76	-	82	-	50	114	7	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0	0.2	-	61	-	71	-	25	162	15	-	-	-	-	-	-	-	-	-	-	-
Isophorone	mg/kg	0	0.2	-	85	-	90	-	40	120	6	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	mg/kg	0	0.2	-	77	-	82	-	17	115	6	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/kg	0	0.2	-	58	-	62	-	43	92	7	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/kg	0	0.2	-	83	-	85	-	32	137	2	-	-	83	-	93	-	52	142	11	26	-
Nitrobenzene	mg/kg	0	0.2	-	77	-	83	-	50	114	8	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0	0.2	-	82	-	88	-	49	106	6	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0	0.2	-	85	-	90	-	61	122	6	-	-	-	-	-	-	-	-	-	-	-
Phenol	mg/kg	0	0.2	-	79	-	84	-	43	119	7	-	-	76	-	86	-	34	122	13	38	-
Pentachlorophenol	mg/kg	0	0.4	-	63	-	71	-	39	157	13	-	-	53	-	60	-	10	118	12	47	-
Pyrene	mg/kg	0	0.2	-	85	-	91	-	52	149	7	-	-	93	-	110	-	41	156	17	36	-
Pyridine	mg/kg	0	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0	0.2	-	85	-	93	-	37	118	9	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0	0.2	-	85	-	90	-	49	111	6	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0	0.2	-	86	-	91	-	38	147	5	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	mg/kg	0.090	0.4	-	80	-	85	-	41	147	6	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	102	-	-	93	-	98	-	43	116	-	-	-	95	-	101	-	38	110	-	-	-
[2-Fluorophenol]	Percent	85	-	-	85	-	89	-	21	100	-	-	-	82	-	90	-	25	110	-	-	-
[2,4,6-Tribromophenol]	Percent	89	-	-	86	-	93	-	40	123	-	-	-	88	-	94	-	28	110	-	-	-
[Nitrobenzene-d5]	Percent	85	-	-	84	-	89	-	37	114	-	-	-	80	-	87	-	34	110	-	-	-
[Phenol-d5]	Percent	91	-	-	90	-	96	Q	10	93	-	-	-	88	-	95	-	31	110	-	-	-
[Terphenyl-d14]	Percent	93	-	-	78	-	81	-	33	141	-	-	-	84	-	97	-	18	130	-	-	-

SURROGATE RECOVERIES :
BC ANALYTICAL : GLEN LAB : 10:22:42 26 JAN 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
601	*1								
270	2-Fluorophenol	95241	01/24/96	2.23	2.50	89		25	110
	Phenol-d5	95241	01/24/96	2.42	2.50	97		31	110
	Nitrobenzene-d5	95241	01/24/96	1.48	1.67	89		34	110
	2-Fluorobiphenyl	95241	01/24/96	1.65	1.67	99		38	110
	2,4,6-Tribromophenol Rep.	95241	01/24/96	2.05	2.50	82		28	110
	Terphenyl-d14	95241	01/24/96	1.47	1.67	88		18	130

cc: DCE MJH MED

B C Analytical

ANALYTICAL REPORT

801 Western Avenue
Glendale, CA 91201
[redacted]/247-5737
818/247-9797

LOG NO: G96-01-595

Received: 31 JAN 96

Mailed: [redacted]

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-1	C-1-15	30 JAN 96
01-595-2	C-1-30	30 JAN 96
01-595-3	C-1-45	30 JAN 96
01-595-4	C-2-30	30 JAN 96
01-595-5	C-2-45	30 JAN 96

PARAMETER	01-595-1	01-595-2	01-595-3	01-595-4	01-595-5
[illegible].Pri.Poll. (8240)					
[illegible]te Analyzed	02/12/96	02/06/96	02/09/96	02/06/96	02/05/96
Date Extracted	---	02/05/96	02/05/96	02/05/96	02/05/96
Dilution Factor, Times	5	100	100	100	100
1,1,1-Trichloroethane, mg/kg	<0.03	<0.5	<0.5	<0.5	0.77
1,1,2,2-Tetrachloroethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	0.15	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
2-Hexanone, mg/kg	<0.2	<3	<3	<3	<3
Acetone, mg/kg	<0.5	<10	<10	<10	<10
Acrolein, mg/kg	<2	<30	<30	<30	<30
Acrylonitrile, mg/kg	<2	<30	<30	<30	<30
Bromodichloromethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-595

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-1	C-1-15	30 JAN 96
01-595-2	C-1-30	30 JAN 96
01-595-3	C-1-45	30 JAN 96
01-595-4	C-2-30	30 JAN 96
01-595-5	C-2-45	30 JAN 96

PARAMETER	01-595-1	01-595-2	01-595-3	01-595-4	01-595-5
Carbon Tetrachloride, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<0.05	<1	<1	<1	<1
Dibromochloromethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Freon 113, mg/kg	<0.05	<1	<1	<1	<1
Methyl ethyl ketone, mg/kg	<0.2	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<0.2	<3	<3	<3	<3
Methylene chloride, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Styrene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Toluene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	0.45	1.4	2.4	1.4	6.9
Vinyl acetate, mg/kg	<0.3	<5	<5	<5	<5
Vinyl chloride, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
Total Xylene Isomers, mg/kg	<0.1	<2	<2	<2	<2
cis-1,2-Dichloroethene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.03	<0.5	<0.5	<0.5	<0.5

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B C Analytical

801 Western Avenue
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LOG NO: G96-01-595

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-1	C-1-15	30 JAN 96
01-595-2	C-1-30	30 JAN 96
01-595-3	C-1-45	30 JAN 96
01-595-4	C-2-30	30 JAN 96
01-595-5	C-2-45	30 JAN 96

PARAMETER	01-595-1	01-595-2	01-595-3	01-595-4	01-595-5
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.257	5.60	4.14	5.88	5.53
1,2-Dichloroethane-d4 Theo., mg/kg	0.250	5.00	5.00	5.00	5.00
4-Bromofluorobenzene Rep., mg/kg	0.232	5.62	4.60	5.96	5.41
4-Bromofluorobenzene Theo., mg/kg	0.250	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	0.253	5.63	4.76	5.90	5.40
Toluene-d8 Theo., mg/kg	0.250	5.00	5.00	5.00	5.00

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15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-6	C-2-52.5	30 JAN 96
01-595-7	H-4-57	30 JAN 96
01-595-8	H-4-67	30 JAN 96

PARAMETER	01-595-6	01-595-7	01-595-8
Vol.Pri.Poll. (8240)			
Date Analyzed	02/05/96	02/06/96	02/06/96
Date Extracted	02/05/96	02/05/96	02/05/96
Dilution Factor, Times	100	500	500
1,1,1-Trichloroethane, mg/kg	<0.5	<3	<3
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<3	<3
1,1,2-Trichloroethane, mg/kg	<0.5	<3	<3
1,1-Dichloroethane, mg/kg	<0.5	<3	<3
1,1-Dichloroethene, mg/kg	<0.5	<3	<3
1,2-Dichloroethane, mg/kg	<0.5	<3	<3
1,2-Dichlorobenzene, mg/kg	<0.5	<3	<3
1,2-Dichloropropane, mg/kg	<0.5	<3	<3
1,3-Dichlorobenzene, mg/kg	<0.5	<3	<3
1,4-Dichlorobenzene, mg/kg	<0.5	<3	<3
2-Chloroethylvinylether, mg/kg	<0.5	<3	<3
2-Hexanone, mg/kg	<3	<20	<20
Acetone, mg/kg	<10	<50	<50
Acrolein, mg/kg	<30	<200	<200
Acrylonitrile, mg/kg	<30	<200	<200
Bromodichloromethane, mg/kg	<0.5	<3	<3
Bromomethane, mg/kg	<0.5	<3	<3
Benzene, mg/kg	<0.5	<3	<3
Bromoform, mg/kg	<0.5	<3	<3
Chlorobenzene, mg/kg	<0.5	<3	<3
Carbon Tetrachloride, mg/kg	<0.5	<3	<3

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-6	C-2-52.5	30 JAN 96
01-595-7	H-4-57	30 JAN 96
01-595-8	H-4-67	30 JAN 96

PARAMETER	01-595-6	01-595-7	01-595-8
Chloroethane, mg/kg	<0.5	<3	<3
Chloroform, mg/kg	<0.5	<3	<3
Chloromethane, mg/kg	<0.5	<3	<3
Carbon Disulfide, mg/kg	<1	<5	<5
Dibromochloromethane, mg/kg	<0.5	<3	<3
Ethylbenzene, mg/kg	<0.5	<3	<3
Freon 113, mg/kg	<1	<5	<5
Methyl ethyl ketone, mg/kg	<3	<20	<20
Methyl isobutyl ketone, mg/kg	<3	<20	<20
Methylene chloride, mg/kg	<0.5	<3	<3
Styrene, mg/kg	<0.5	<3	<3
Trichloroethene, mg/kg	<0.5	<3	<3
Trichlorofluoromethane, mg/kg	<0.5	<3	<3
Toluene, mg/kg	<0.5	<3	<3
Tetrachloroethene, mg/kg	8.1	11	22
Vinyl acetate, mg/kg	<5	<30	<30
Vinyl chloride, mg/kg	<0.5	<3	<3
Total Xylene Isomers, mg/kg	<2	<10	<10
cis-1,2-Dichloroethene, mg/kg	<0.5	<3	<3
cis-1,3-Dichloropropene, mg/kg	<0.5	<3	<3
trans-1,2-Dichloroethene, mg/kg	<0.5	<3	<3
trans-1,3-Dichloropropene, mg/kg	<0.5	<3	<3
Surrogates **			
1,2-Dichloroethane-d4 Rep., mg/kg	5.27	4.94	4.42
1,2-Dichloroethane-d4 Theo., mg/kg	5.00	5.00	5.00

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15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-6	C-2-52.5	30 JAN 96
01-595-7	H-4-57	30 JAN 96
01-595-8	H-4-67	30 JAN 96

PARAMETER	01-595-6	01-595-7	01-595-8
4-Bromofluorobenzene Rep., mg/kg	5.13	5.51	4.86
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	5.13	5.54	4.87
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00

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801 Western Avenue
Glendale, CA 91201
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LOG NO: G96-01-595

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-9	C-2-15	30 JAN 96

PARAMETER	01-595-9
TOC (410.1), mg/kg	6000
Moisture/TNFR (D2216), Percent	14

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-595

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-9	C-2-15	30 JAN 96

PARAMETER	01-595-9
Vol.Pri.Poll. (8240)	
Date Analyzed	02/05/96
Date Extracted	02/05/96
Dilution Factor, Times	100
1,1,1-Trichloroethane, mg/kg	0.60
1,1,2,2-Tetrachloroethane, mg/kg	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5
1,1-Dichloroethane, mg/kg	<0.5
1,1-Dichloroethene, mg/kg	<0.5
1,2-Dichloroethane, mg/kg	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5
1,2-Dichloropropane, mg/kg	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5
2-Chloroethylvinylether, mg/kg	<0.5
2-Hexanone, mg/kg	<3
Acetone, mg/kg	<10
Acrolein, mg/kg	<30
Acrylonitrile, mg/kg	<30
Bromodichloromethane, mg/kg	<0.5
Bromomethane, mg/kg	<0.5
Benzene, mg/kg	<0.5
Bromoform, mg/kg	<0.5
Chlorobenzene, mg/kg	<0.5
Carbon Tetrachloride, mg/kg	<0.5
Chloroethane, mg/kg	<0.5
Chloroform, mg/kg	<0.5

BCA

B C Analytical

801 Western Avenue
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LOG NO: G96-01-595

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-9	C-2-15	30 JAN 96

PARAMETER	01-595-9
Chloromethane, mg/kg	<0.5
Carbon Disulfide, mg/kg	<1
Dibromochloromethane, mg/kg	<0.5
Ethylbenzene, mg/kg	<0.5
Freon 113, mg/kg	<1
Methyl ethyl ketone, mg/kg	<3
Methyl isobutyl ketone, mg/kg	<3
Methylene chloride, mg/kg	<0.5
Styrene, mg/kg	<0.5
Trichloroethene, mg/kg	<0.5
Trichlorofluoromethane, mg/kg	<0.5
Toluene, mg/kg	<0.5
Tetrachloroethene, mg/kg	3.4
Vinyl acetate, mg/kg	<5
Vinyl chloride, mg/kg	<0.5
Total Xylene Isomers, mg/kg	<2
cis-1,2-Dichloroethene, mg/kg	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5
Surrogates **	
1,2-Dichloroethane-d4 Rep., mg/kg	5.32
1,2-Dichloroethane-d4 Theo., mg/kg	5.00
4-Bromofluorobenzene Rep., mg/kg	5.17
4-Bromofluorobenzene Theo., mg/kg	5.00
Toluene-d8 Reported, mg/kg	5.11
Toluene-d8 Theo., mg/kg	5.00

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-595

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-10	H-2-79	30 JAN 96
01-595-11	H-4-75	30 JAN 96
01-595-12	H-4-110	30 JAN 96

PARAMETER	01-595-10	01-595-11	01-595-12
Moisture/TNFR (D2216), Percent	12	18	16

B C Analytical

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Glendale, CA 91201
[redacted]247-5737
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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-10	H-2-79	30 JAN 96
01-595-11	H-4-75	30 JAN 96
01-595-12	H-4-110	30 JAN 96

PARAMETER	01-595-10	01-595-11	01-595-12
Vol.Pri.Poll. (8240)			
Date Analyzed	02/12/96	02/05/96	02/09/96
[redacted]te Extracted	---	02/05/96	02/05/96
[redacted]lution Factor, Times	1	100	200
1,1,1-Trichloroethane, mg/kg	<0.005	3.1	<1
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.5	<1
1,1,2-Trichloroethane, mg/kg	<0.005	<0.5	<1
1,1-Dichloroethane, mg/kg	<0.005	<0.5	<1
1,1-Dichloroethene, mg/kg	<0.005	1.3	<1
1,2-Dichloroethane, mg/kg	<0.005	5.0	<1
1,2-Dichlorobenzene, mg/kg	<0.005	<0.5	<1
1,2-Dichloropropane, mg/kg	<0.005	<0.5	<1
1,3-Dichlorobenzene, mg/kg	<0.005	<0.5	<1
1,4-Dichlorobenzene, mg/kg	<0.005	<0.5	<1
2-Chloroethylvinylether, mg/kg	<0.005	<0.5	<1
2-Hexanone, mg/kg	<0.03	<3	<6
Acetone, mg/kg	<0.1	<10	<20
Acrolein, mg/kg	<0.3	<30	<60
Acrylonitrile, mg/kg	<0.3	<30	<60
Bromodichloromethane, mg/kg	<0.005	<0.5	<1
Bromomethane, mg/kg	<0.005	<0.5	<1
Benzene, mg/kg	<0.005	<0.5	<1
Bromoform, mg/kg	<0.005	<0.5	<1
Chlorobenzene, mg/kg	<0.005	<0.5	<1
Carbon Tetrachloride, mg/kg	<0.005	<0.5	<1

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-10	H-2-79	30 JAN 96
01-595-11	H-4-75	30 JAN 96
01-595-12	H-4-110	30 JAN 96

PARAMETER	01-595-10	01-595-11	01-595-12
Chloroethane, mg/kg	<0.005	<0.5	<1
Chloroform, mg/kg	<0.005	2.0	3.0
Chloromethane, mg/kg	<0.005	<0.5	<1
Carbon Disulfide, mg/kg	<0.01	<1	<2
Dibromochloromethane, mg/kg	<0.005	<0.5	<1
Ethylbenzene, mg/kg	<0.005	<0.5	<1
Freon 113, mg/kg	0.078	<1	<2
Methyl ethyl ketone, mg/kg	<0.03	<3	<6
Methyl isobutyl ketone, mg/kg	<0.03	<3	<6
Methylene chloride, mg/kg	<0.005	4.1	15
Styrene, mg/kg	<0.005	<0.5	<1
Trichloroethene, mg/kg	0.0056	4.2	<1
Trichlorofluoromethane, mg/kg	0.013	<0.5	<1
Toluene, mg/kg	<0.005	14	<1
Tetrachloroethene, mg/kg	0.0098	9.3	<1
Vinyl acetate, mg/kg	<0.05	<5	<10
Vinyl chloride, mg/kg	<0.005	<0.5	<1
Total Xylene Isomers, mg/kg	<0.02	<2	<4
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.5	<1
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.5	<1
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.5	<1
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.5	<1
Surrogates **			
1,2-Dichloroethane-d4 Rep., mg/kg	0.0496	5.35	3.99
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	5.00	5.00

BCA

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-595-10	H-2-79	30 JAN 96
01-595-11	H-4-75	30 JAN 96
01-595-12	H-4-110	30 JAN 96

PARAMETER	01-595-10	01-595-11	01-595-12
4-Bromofluorobenzene Rep., mg/kg	0.0463	5.45	4.44
4-Bromofluorobenzene Theo., mg/kg	0.0500	5.00	5.00
Toluene-d8 Reported, mg/kg	0.0503	5.47	4.50
Toluene-d8 Theo., mg/kg	0.0500	5.00	5.00

R. Yaghoubi For DS
Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

DATE [illegible] PAGE ___ OF 1

PROJECT NAME	PROJECT No./TASK No.
OMEGA	445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER ~~FAX~~ No. (619) 454-0165

SAMPLER (SIGNATURE): [signature]

SAMPLER (PRINTED): GREG CRANHAM, Michael Higuchi

LABORATORY INFORMATION: BCA, GLENDALE, G960159

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 1¼x6" S.S. TUBES	ANALYSES REQUESTED EPA 8240	ANALYSES REQUESTED TOTAL ORGANIC CARBON	ANALYSES REQUESTED MOISTURE CONTENT	ESTIMATED CONCENTRATION RANGE ppm FOR VOAs	SPECIAL HANDLING ~~Cancel~~ DUPLICATE	SPECIAL HANDLING ANALYZE A SAMPLE	REMARKS
	C-1-15	1/30/96	0832	X							X	1	X						ARROW
	C-1-30	↓	0852	X							X	1	X						INDICATES
	C-1-45		0927	X							X	1	X						BOTTOM OF
	C-2-15		1318	X							X	1	X	X	X				SAMPLE.
	H-2-79		1330	X							X	1	X		X				ANALYZE
	C-2-30		1352	X							X	1	X				X		SAMPLE FROM
	C-2-45		1415	X							X	1	X						BOTTOM OF
	C-2-52.5		1445	X							X	1	X						TUBE (CAP
	H-4-57		1530	X							X	1	X						MARKED WITH
	H-4-67		1545	X							X	1	X				X		SAMPLE I.D.)
	H-4-75		1600	X							X	1	X		X				
	H-4-110	↓	1645	X							X	1	X		X				

Total number of Containers per analysis: 12

Total No. of Containers: 12

Relinquished by:	Date	Received by:	Date
[signature]	1/30/96	[signature]	1/30/96
England & Assoc. Company	Time 1900	H+A Company	Time 1900
Relinquished by: [signature]	Date 1/31/96	Received by: [signature]	Date 1/31/96
H+A Company	Time 1410	BCA Laboratory [signature]	Time 1410

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

☐ No. of containers correct ☐ received good condition/cold

☐ custody seals secure ☐ conforms to COC document

Shipment Method: COURIER

Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121

☒ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165

☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888

☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

ORDER PLACED FOR CLIENT: England and Associates 9601595 :
3C ANALYTICAL : GLEN LAB : 14:07:20 13 FEB 1996 - P. 1 :

AMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
501[redacted]*1	C-1-15	8240.HSL	02.12.96	8240	537-02	9650151	7424
501595*2	C-1-30	8240.HSL	02.06.96	8240	537-02	9650148	7424
501595*3	C-1-45	8240.HSL	02.09.96	8240	537-02	9650148	7424
501595*4	C-2-30	8240.HSL	02.06.96	8240	537-02	9650148	7424
01595*5	C-2-45	8240.HSL	02.05.96	8240	537-02	9650148	7424
01595*6	C-2-52.5	8240.HSL	02.05.96	8240	537-02	9650148	7424
01595*7	H-4-57	8240.HSL	02.06.96	8240	537-02	9650148	7424
01595*8	H-4-67	8240.HSL	02.06.96	8240	537-02	9650148	7424
01595*9	C-2-15	TOC,SO	02.09.96	410.1		965	7772
		MOIST.SOIL	02.11.96	D2216		96234	7093
		8240.HSL	02.05.96	8240	537-02	9650148	7424
501595*10	H-2-79	MOIST.SOIL	02.11.96	D2216		96234	7093
		8240.HSL	02.12.96	8240	537-02	9650151	7424
501595*11	H-4-75	MOIST.SOIL	02.11.96	D2216		96234	7093
		8240.HSL	02.05.96	8240	537-02	9650148	7424
501595*12	H-4-110	MOIST.SOIL	02.11.96	D2216		96234	7093
		8240.HSL	02.09.96	8240	537-02	9650148	7424

*

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

NON-AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC								
				LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: TOC,SO*965 Method: 410.1M - Total Organic Carbon in Soil, Titrimetric (Matrix QC on basis of 14.0% moisture.)																						
TOC	mg/kg	-	-	-	98	-	111	-	59	113	13	-	-	71	-	71	-	38	142	0	29	-
Batch: MOIST*96234 Method: D2216 - Percent solid																						
Moisture/TNFR	Percent	0	1	-	-	-	-	-	-	-	-	-	-	14	*	14	*	-	-	0	26	-

QC REPORT FOR 9601595
DATE[redacted]TED: 13 FEB 1996

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650148 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	125	-	132	Q	68	131	5	-	-	121	-	127	-	34	160	4	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	121	-	117	-	70	125	3	-	-	130	Q	130	Q	61	128	0	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	111	-	108	-	69	137	3	-	-	120	-	126	-	58	148	5	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0.13	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	100	-	99	-	72	129	1	-	-	102	-	101	-	75	113	0	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	119	-	115	-	68	139	4	-	-	128	-	133	Q	66	128	4	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QC REPORT FOR 9601595
DATE PRINTED: 13 FEB 1996

NON-AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650148 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	97	0	-	101	-	92	-	87	125	-	-	-	109	-	104	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	100	0	-	101	-	98	-	85	111	-	-	-	110	-	111	-	74	121	-	-	-
[Toluene-d8]	Percent	101	0	-	104	-	102	-	94	113	-	-	-	110	-	112	-	82	118	-	-	-

BC ANALYTICAL, GLENDALE
QC REPORT FOR 9601595
DATE [illegible]NTED: 13 FEB 1996

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650151 Method: 8240 - GC/MS for Volatile Organics														(Matrix QC on basis of 12.0% moisture.)								
1,1,1-Trichloroethane	mg/kg	0	0.005	-	136	Q	124	-	67	135	9	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.005	-	125	-	127	-	63	173	1	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.005	-	113	-	112	-	62	156	1	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.005	-	124	Q	107	-	79	118	14	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.005	-	102	-	94	-	68	131	9	-	-	91	-	102	-	34	160	11	28	-
1,2-Dichloroethane	mg/kg	0	0.005	-	119	-	110	-	77	129	8	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.005	-	126	Q	120	Q	85	118	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.005	-	109	-	106	-	79	125	2	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.005	-	124	Q	124	Q	84	118	0	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.005	-	125	Q	122	Q	85	117	2	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.005	-	84	-	98	-	21	189	15	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	0.03	-	113	-	118	-	18	254	4	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	0.1	-	118	-	93	-	6	220	24	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	0.3	-	20	Q	20	Q	72	134	3	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	0.3	-	130	-	132	-	64	143	1	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.005	-	122	-	120	-	73	132	1	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.005	-	106	-	100	-	61	142	6	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.005	-	94	-	90	-	70	125	5	-	-	84	-	91	-	61	128	8	25	-
Bromoform	mg/kg	0	0.005	-	128	-	129	-	65	160	0	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.005	-	117	-	116	-	69	137	2	-	-	112	-	116	-	58	148	3	19	-
Carbon Tetrachloride	mg/kg	0	0.005	-	140	-	131	-	61	141	7	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.005	-	104	-	107	-	48	143	3	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.005	-	115	-	105	-	77	123	9	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.005	-	75	-	57	Q	64	133	27	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	0.01	-	127	-	112	-	61	128	12	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.005	-	117	-	114	-	55	159	3	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.005	-	109	-	109	-	70	137	0	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	0.01	-	140	Q	126	-	66	133	10	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.03	-	131	-	123	-	27	230	6	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.03	-	109	-	117	-	44	207	7	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.005	-	105	-	98	-	78	119	7	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.005	-	105	-	103	-	65	140	2	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.005	-	121	-	113	-	72	129	7	-	-	110	-	124	Q	75	113	11	29	-
Trichlorofluoromethane	mg/kg	0	0.005	-	130	-	121	-	66	134	7	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.005	-	99	-	98	-	68	139	1	-	-	95	-	98	-	66	128	3	19	-
Tetrachloroethene	mg/kg	0	0.005	-	124	-	124	-	63	144	0	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	0.05	-	116	-	121	-	74	141	4	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.005	-	89	-	82	-	54	148	8	-	-	-	-	-	-	-	-	-	-	-

QC REPORT FOR 9601595
DATE PRINTED: 13 FEB 1996

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650151 Method: 8240 - GC/MS for Volatile Organics, con't													(Matrix QC on basis of 12.0% moisture.)									
Total Xylene Isomers	mg/kg	0	0.02	-	123	Q	122	Q	85	115	1	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.005	-	104	-	116	-	74	122	11	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.005	-	116	-	114	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.005	-	110	-	98	-	73	122	11	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.005	-	115	-	112	-	55	147	3	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	102	-	-	110	-	105	-	87	125	-	-	-	102	-	101	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	91	-	-	116	Q	118	Q	85	111	-	-	-	118	-	113	-	74	121	-	-	-
[Toluene-d8]	Percent	96	-	-	96	-	98	-	94	113	-	-	-	97	-	99	-	82	118	-	-	-

SURROGATE RECOVERIES :
BC ANALYTICAL : GLEN LAB : 14:07:33 13 FEB 1996 - P. 1 :

ETHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
601*1									
240	1,2-Dichloroethane-d4 Rep	9650151	02/12/96	0.257	0.250	103		78	121
	Toluene-d8	9650151	02/12/96	0.253	0.250	101		82	118
	4-Bromofluorobenzene Rep.	9650151	02/12/96	0.232	0.250	93		74	121
601595*2									
240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	5.60	5.00	112		78	121
	Toluene-d8	9650148	02/06/96	5.63	5.00	113		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	5.62	5.00	112		74	121
601595*3									
240	1,2-Dichloroethane-d4 Rep	9650148	02/09/96	4.14	5.00	83		78	121
	Toluene-d8	9650148	02/09/96	4.76	5.00	95		82	118
	4-Bromofluorobenzene Rep.	9650148	02/09/96	4.60	5.00	92		74	121
601595*4									
240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	5.88	5.00	118		78	121
	Toluene-d8	9650148	02/06/96	5.90	5.00	118		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	5.96	5.00	119		74	121
601595*5									
240	1,2-Dichloroethane-d4 Rep	9650148	02/05/96	5.53	5.00	111		78	121
	Toluene-d8	9650148	02/05/96	5.40	5.00	108		82	118
	4-Bromofluorobenzene Rep.	9650148	02/05/96	5.41	5.00	108		74	121
601595*6									
240	1,2-Dichloroethane-d4 Rep	9650148	02/05/96	5.27	5.00	105		78	121
	Toluene-d8	9650148	02/05/96	5.13	5.00	103		82	118
	4-Bromofluorobenzene Rep.	9650148	02/05/96	5.13	5.00	103		74	121
601595*7									
240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	4.94	5.00	99		78	121
	Toluene-d8	9650148	02/06/96	5.54	5.00	111		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	5.51	5.00	110		74	121
601595*8									
240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	4.42	5.00	88		78	121
	Toluene-d8	9650148	02/06/96	4.87	5.00	97		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	4.86	5.00	97		74	121
601595*9									
240	1,2-Dichloroethane-d4 Rep	9650148	02/05/96	5.32	5.00	106		78	121
	Toluene-d8	9650148	02/05/96	5.11	5.00	102		82	118
	4-Bromofluorobenzene Rep.	9650148	02/05/96	5.17	5.00	103		74	121
601595*10									

THOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
40	1,2-Dichloroethane-d4 Rep	9650151	02/12/96	0.0496	0.0500	99		78	121
	Toluene-d8	9650151	02/12/96	0.0503	0.0500	101		82	118
	4-Bromofluorobenzene Rep.	9650151	02/12/96	0.0463	0.0500	93		74	121
01595*11									
40	1,2-Dichloroethane-d4 Rep	9650148	02/05/96	5.35	5.00	107		78	121
	Toluene-d8	9650148	02/05/96	5.47	5.00	109		82	118
	4-Bromofluorobenzene Rep.	9650148	02/05/96	5.45	5.00	109		74	121
01595*12									
40	1,2-Dichloroethane-d4 Rep	9650148	02/09/96	3.99	5.00	80		78	121
	Toluene-d8	9650148	02/09/96	4.50	5.00	90		82	118
	4-Bromofluorobenzene Rep.	9650148	02/09/96	4.44	5.00	89		74	121

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

ANALYTICAL REPORT

LOG NO: G96-01-596

Received: 31 JAN 96

Mailed: FEB 13 1996

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-596-1	TB-013096	30 JAN 96

PARAMETER	01-596-1
Vol.Pri.Poll. (8240)	
Date Analyzed	02/07/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-596

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-596-1	TB-013096	30 JAN 96

PARAMETER	01-596-1
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	49.6
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	44.5
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.6
Toluene-d8 Theo., ug/L	50.0

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-01-596

Received: 31 JAN 96

Mr. Dennis England
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15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-596-2	H-2-GW	30 JAN 96
01-596-3	H-4-GW	30 JAN 96

PARAMETER	01-596-2	01-596-3
Vol.Pri.Poll. (8240)		
Date Analyzed	02/07/96	02/09/96
Dilution Factor, Times	10	500
1,1,1-Trichloroethane, ug/L	<10	14000
1,1,2,2-Tetrachloroethane, ug/L	<10	<500
1,1,2-Trichloroethane, ug/L	<10	<500
1,1-Dichloroethane, ug/L	<10	<500
1,1-Dichloroethene, ug/L	100	4900
1,2-Dichloroethane, ug/L	<10	10000
1,2-Dichlorobenzene, ug/L	<10	<500
1,2-Dichloropropane, ug/L	<10	<500
1,3-Dichlorobenzene, ug/L	<10	<500
1,4-Dichlorobenzene, ug/L	<10	<500
2-Chloroethylvinylether, ug/L	<50	<3000
2-Hexanone, ug/L	<50	<3000
Acetone, ug/L	<200	<10000
Acrolein, ug/L	<500	<30000
Acrylonitrile, ug/L	<500	<30000
Bromodichloromethane, ug/L	<10	<500
Bromomethane, ug/L	<10	<500
Benzene, ug/L	<10	<500
Bromoform, ug/L	<10	<500
Chlorobenzene, ug/L	<10	<500
Carbon Tetrachloride, ug/L	<10	<500
Chloroethane, ug/L	<10	<500
Chloroform, ug/L	<10	3900

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801 Western Avenue
Glendale, CA 91201
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LOG NO: G96-01-596

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-596-2	H-2-GW	30 JAN 96
01-596-3	H-4-GW	30 JAN 96

PARAMETER	01-596-2	01-596-3	
Chloromethane, ug/L	<10	<500	
Carbon Disulfide, ug/L	<20	<1000	
Dibromochloromethane, ug/L	<10	<500	
Ethylbenzene, ug/L	<10	<500	
Freon 113, ug/L	2000	<1000	
Methyl ethyl ketone, ug/L	<50	<3000	
Methyl isobutyl ketone, ug/L	<50	<3000	
Methylene chloride, ug/L	<20	19000	
Styrene, ug/L	<10	<500	
Trichloroethene, ug/L	250	5500	
Trichlorofluoromethane, ug/L	430	<500	
Toluene, ug/L	<10	540	
Tetrachloroethene, ug/L	470	86000	
Vinyl acetate, ug/L	<100	<5000	
Vinyl chloride, ug/L	<10	<500	
Total Xylene Isomers, ug/L	<30	<2000	
cis-1,2-Dichloroethene, ug/L	<10	<500	
cis-1,3-Dichloropropene, ug/L	<10	<500	
trans-1,2-Dichloroethene, ug/L	<10	<500	
trans-1,3-Dichloropropene, ug/L	<10	<500	
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	502	22000	
1,2-Dichloroethane-d4 Theo., ug/L	500	25000	
4-Bromofluorobenzene Rep., ug/L	446	24200	
4-Bromofluorobenzene Theo., ug/L	500	25000	
Toluene-d8 Reported, ug/L	502	25200	

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-01-596

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-596-2	H-2-GW	30 JAN 96
01-596-3	H-4-GW	30 JAN 96

PARAMETER	01-596-2	01-596-3
Toluene-d8 Theo., ug/L	500	25000

R. Tayhoubi for DS
Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 1/30/96 PAGE 1 OF 1

PROJECT NAME	OMEGA
PROJECT No./TASK No.	445.2
PROJECT MANAGER	DENNIS ENGLAND
Phone No.	(714) 453-3085
QA MANAGER	MIKE PALMER
FAX No.	(619) 454-0165
SAMPLER (SIGNATURE)	
SAMPLER (PRINTED)	GREG CANNAM, Michael Higuchi

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX Soil	Ground-water	Surface water	LAB WATER	PRESERVATION HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS 40-ml VOA vial	ANALYSES REQUESTED EPA 8240	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOAS	SPECIAL HANDLING
	TB-013096	1/30/96	0800				X	X				X	2	X		
	H-2-GW	↓	1405		X			X				X	2	X		
	H-4-GW	↓	1430		X			X				X	2	X		
Total number of Containers per analysis:													6			Total No. of Containers: 6

LABORATORY INFORMATION: BCA; GLENDALE; EGL01596

REMARKS: LEVEL 3 CLP REQUIRED - provide to England & Assoc attn: Mary Dickerson

Relinquished by	Date	Time	Received by	Date	Time
England & Assoc (Company)	1/30/96	1900	H+A (Company)	1/30/96	1900
H+A (Company)	1/31/96	1110	BCA (Laboratory)	1/30/96	1410

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- ☐ No. of containers correct
- ☐ received good condition/cold
- ☐ custody seals secure
- ☐ conforms to COC document

Shipment Method: COURIER

Send Results to: MIKE PALMER

- ☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
- ☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- ☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla
Attn: Accounts Payable

: ORDER PLACED FOR CLIENT: England and Associates 9601596 :
: BC ANALYTICAL : GLEN LAB : 07:15:09 13 FEB 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9601596*1	TB-013096	VOA.8240.HSL	02.07.96	8240	537-05	96504	7430
9601596*2	H-2-GW	VOA.8240.HSL	02.07.96	8240	537-05	96504	7430
9601596*3	H-4-GW	VOA.8240.HSL	02.09.96	8240	537-02	96207	7424

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES

		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	92	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0.61	1	-	111	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	106	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	94	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	92	-	-	-	64	134	-	-	-	97	-	95	-	54	130	2	27	-
1,2-Dichloroethane	ug/L	0	1	-	88	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	100	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	92	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	98	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.12	1	-	97	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	93	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	120	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	101	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	101	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	13	50	-	120	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	105	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	99	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	93	-	-	-	73	124	-	-	-	97	-	101	-	61	126	4	26	-
Bromoform	ug/L	0	1	-	96	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	106	-	-	-	75	126	-	-	-	146	Q	157	Q	71	127	4	23	-
Carbon Tetrachloride	ug/L	0	1	-	89	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	107	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	95	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	103	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	112	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	101	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	118	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.28	2	-	96	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	107	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	84	-	-	-	71	128	-	-	-	90	-	94	-	63	122	5	21	-
Trichlorofluoromethane	ug/L	0	1	-	100	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	107	-	-	-	78	123	-	-	-	105	-	112	-	73	124	6	22	-
Tetrachloroethene	ug/L	0	1	-	97	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	ug/L	0	10	-	93	[redacted]	-	-	44	158	-	-	-	-	-	-	-	-	-	[redacted]	-	-
Vinyl Chloride	ug/L	0	1	-	98	[redacted]	-	-	56	144	-	-	-	-	-	-	-	-	-	[redacted]	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	115	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	96	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	103	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	102	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	88	-	-	-	79	114	-	-	-	88	-	91	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	96	-	-	101	-	-	-	85	111	-	-	-	97	-	98	-	85	111	-	-	-
[Toluene-d8]	Percent	105	-	-	102	-	-	-	92	110	-	-	-	100	-	101	-	92	110	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96504 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	113	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	98	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	98	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	108	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	101	-	-	-	64	134	-	-	-	111	-	105	-	54	130	5	27	-
1,2-Dichloroethane	ug/L	0	1	-	105	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	107	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	100	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	107	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	109	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	89	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	77	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	62	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	14	Q	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	46	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	106	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	105	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	100	-	-	-	73	124	-	-	-	103	-	98	-	61	126	4	26	-
Bromoform	ug/L	0	1	-	106	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	100	-	-	-	75	126	-	-	-	104	-	104	-	71	127	0	23	-
Carbon Tetrachloride	ug/L	0	1	-	115	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	106	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	104	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	98	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	102	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	107	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	106	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	112	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	76	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	87	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	106	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	100	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	109	-	-	-	71	128	-	-	-	107	-	106	-	63	122	1	21	-
Trichlorofluoromethane	ug/L	0	1	-	116	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	98	-	-	-	78	123	-	-	-	103	-	104	-	73	124	1	22	-
Tetrachloroethene	ug/L	0	1	-	126	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl [redacted]etate	ug/L	0	10	-	102	[redacted]	-	-	44	158	-	-	-	-	-	-	-	-	-	[redacted]	-	-
Vinyl [redacted]loride	ug/L	0	1	-	101	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96504 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	101	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	111	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	101	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	110	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	101	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	102	-	-	103	-	-	-	79	114	-	-	-	101	-	100	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	88	-	-	110	-	-	-	85	111	-	-	-	112	Q	109	-	85	111	-	-	-
[Toluene-d8]	Percent	99	-	-	96	-	-	-	92	110	-	-	-	95	-	97	-	92	110	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:16:13 13 FEB 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9601596*1									
8240	1,2-Dichloroethane-d4 Rep	96504	02/07/96	49.6	50.0	99		79	114
	Toluene-d8	96504	02/07/96	49.6	50.0	99		92	110
	4-Bromofluorobenzene Rep.	96504	02/07/96	44.5	50.0	89		85	111
9601596*2									
8240	1,2-Dichloroethane-d4 Rep	96504	02/07/96	502	500	100		79	114
	Toluene-d8	96504	02/07/96	502	500	100		92	110
	4-Bromofluorobenzene Rep.	96504	02/07/96	446	500	89		85	111
9601596*3									
8240	1,2-Dichloroethane-d4 Rep	96207	02/09/96	22000	25000	88		79	114
	Toluene-d8	96207	02/09/96	25200	25000	101		92	110
	4-Bromofluorobenzene Rep.	96207	02/09/96	24200	25000	97		85	111

The raw data (chromatograms, calibration summaries, etc.), included in this lab report for Level III data review purposes for VOCs, has been left out due to large volume. Level III data will be kept on file.

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

ANALYTICAL REPORT

LOG NO: G96-01-616

Received: 31 JAN 96

Mailed: FEB 13 1996

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

399-A

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-616-1	H-1-55	31 JAN 96
01-616-2	H-1-69	31 JAN 96

PARAMETER	01-616-1	01-616-2
Vol.Pri.Poll. (8240)		
Date Analyzed	02/06/96	02/06/96
Date Extracted	02/05/96	02/05/96
Dilution Factor, Times	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<0.5	<0.5
2-Hexanone, mg/kg	<3	<3
Acetone, mg/kg	<10	<10
Acrolein, mg/kg	<30	<30
Acrylonitrile, mg/kg	<30	<30
Bromodichloromethane, mg/kg	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<0.5
Benzene, mg/kg	<0.5	<0.5
Bromoform, mg/kg	<0.5	<0.5
Chlorobenzene, mg/kg	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<0.5
Chloroform, mg/kg	<0.5	<0.5

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-616

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-616-1	H-1-55	31 JAN 96
01-616-2	H-1-69	31 JAN 96

PARAMETER	01-616-1	01-616-2
Chloromethane, mg/kg	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<1
Dibromochloromethane, mg/kg	<0.5	<0.5
Ethylbenzene, mg/kg	<0.5	<0.5
Freon 113, mg/kg	<1	<1
Methyl ethyl ketone, mg/kg	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<3
Methylene chloride, mg/kg	0.51 E	<0.5
Styrene, mg/kg	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<0.5
Trichlorofluoromethane, mg/kg	<0.5	<0.5
Toluene, mg/kg	<0.5	<0.5
Tetrachloroethene, mg/kg	5.0	3.2
Vinyl acetate, mg/kg	<5	<5
Vinyl chloride, mg/kg	<0.5	<0.5
Total Xylene Isomers, mg/kg	<2	<2
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5
Surrogates **		
1,2-Dichloroethane-d4 Rep., mg/kg	4.71	5.18
1,2-Dichloroethane-d4 Theo., mg/kg	5.00	5.00
4-Bromofluorobenzene Rep., mg/kg	4.98	5.42
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00
Toluene-d8 Reported, mg/kg	5.10	5.42

E = Estimated

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
FAX 818/247-9797

LOG NO: G96-01-616

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
01-616-1	H-1-55	31 JAN 96
01-616-2	H-1-69	31 JAN 96

PARAMETER	01-616-1	01-616-2			
Toluene-d8 Theo., mg/kg	5.00	5.00			

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-616

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-3	H-1-GW	31 JAN 96
01-616-4	H-10-GW	31 JAN 96
01-616-5	H-3-GW	31 JAN 96

PARAMETER	01-616-3	01-616-4	01-616-5
Vol.Pri.Poll. (8240)			
Date Analyzed	02/08/96	02/08/96	02/08/96
Dilution Factor, Times	50	50	50
1,1,1-Trichloroethane, ug/L	260	270	<50
1,1,2,2-Tetrachloroethane, ug/L	<50	<50	<50
1,1,2-Trichloroethane, ug/L	<50	<50	<50
1,1-Dichloroethane, ug/L	<50	<50	<50
1,1-Dichloroethene, ug/L	1700 E	1800	550
1,2-Dichloroethane, ug/L	<50	<50	<50
1,2-Dichlorobenzene, ug/L	<50	<50	<50
1,2-Dichloropropane, ug/L	<50	<50	<50
1,3-Dichlorobenzene, ug/L	<50	<50	<50
1,4-Dichlorobenzene, ug/L	<50	<50	<50
2-Chloroethylvinylether, ug/L	<300	<300	<300
2-Hexanone, ug/L	<300	<300	<300
Acetone, ug/L	<1000	<1000	<1000
Acrolein, ug/L	<3000	<3000	<3000
Acrylonitrile, ug/L	<3000	<3000	<3000
Bromodichloromethane, ug/L	<50	<50	<50
Bromomethane, ug/L	<50	<50	<50
Benzene, ug/L	<50	<50	<50
Bromoform, ug/L	<50	<50	<50
Chlorobenzene, ug/L	<50	<50	<50
Carbon Tetrachloride, ug/L	<50	<50	<50
Chloroethane, ug/L	<50	<50	<50

E = Estimated

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax 818/247-9797

LOG NO: G96-01-616

Received: 31 JAN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-3	H-1-GW	31 JAN 96
01-616-4	H-10-GW	31 JAN 96
01-616-5	H-3-GW	31 JAN 96

PARAMETER	01-616-3	01-616-4	01-616-5
Chloroform, ug/L	<50	<50	<50
Chloromethane, ug/L	<50	<50	<50
Carbon Disulfide, ug/L	<100	<100	<100
Bromochloromethane, ug/L	<50	<50	<50
Ethylbenzene, ug/L	<50	<50	<50
Freon 113, ug/L	6300 E	6400	2700
Methyl ethyl ketone, ug/L	<300	<300	<300
Methyl isobutyl ketone, ug/L	<300	<300	<300
Methylene chloride, ug/L	<100	<100	<100
Styrene, ug/L	<50	<50	<50
Trichloroethene, ug/L	670	680	160
Trichlorofluoromethane, ug/L	2700	2700	880
Toluene, ug/L	<50	<50	<50
Tetrachloroethene, ug/L	3200	3200	540
Vinyl acetate, ug/L	<500	<500	<500
Vinyl chloride, ug/L	<50	<50	<50
Total Xylene Isomers, ug/L	<200	<200	<200
cis-1,2-Dichloroethene, ug/L	<50	<50	<50
cis-1,3-Dichloropropene, ug/L	<50	<50	<50
trans-1,2-Dichloroethene, ug/L	61	68	<50
trans-1,3-Dichloropropene, ug/L	<50	<50	<50
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	2170	2230	2250
1,2-Dichloroethane-d4 Theo., ug/L	2500	2500	2500
4-Bromofluorobenzene Rep., ug/L	2440	2460	2450

E = Estimated

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-3	H-1-GW	31 JAN 96
01-616-4	H-10-GW	31 JAN 96
01-616-5	H-3-GW	31 JAN 96

PARAMETER	01-616-3	01-616-4	01-616-5
4-Bromofluorobenzene Theo., ug/L	2500	2500	2500
Toluene-d8 Reported, ug/L	2570	2600	2490
Toluene-d8 Theo., ug/L	2500	2500	2500

BCA

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-6	SW-W	31 JAN 96
01-616-7	SW-W-SURF	31 JAN 96
01-616-8	SW-E	31 JAN 96

PARAMETER	01-616-6	01-616-7	01-616-8
Sample Held, Not Analyzed	HOLD	HOLD	HOLD

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-01-616

Received: 31 JAN 96

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England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-9	TB-013196	31 JAN 96
01-616-10	GRB-013196	31 JAN 96
01-616-11	SRB-013196	31 JAN 96

PARAMETER	01-616-9	01-616-10	01-616-11
Vol.Pri.Poll. (8240)			
Date Analyzed	02/09/96	02/07/96	02/07/96
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<1	<1	1.1
1,1,2,2-Tetrachloroethane, ug/L	<1	<1	<1
1,1,2-Trichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethene, ug/L	<1	<1	<1
1,2-Dichloroethane, ug/L	<1	<1	<1
1,2-Dichlorobenzene, ug/L	<1	<1	<1
1,2-Dichloropropane, ug/L	<1	<1	<1
1,3-Dichlorobenzene, ug/L	<1	<1	<1
1,4-Dichlorobenzene, ug/L	<1	<1	<1
2-Chloroethylvinylether, ug/L	<5	<5	<5
2-Hexanone, ug/L	<5	<5	<5
Acetone, ug/L	51	<20	<20
Acrolein, ug/L	<50	<50	<50
Acrylonitrile, ug/L	<50	<50	<50
Bromodichloromethane, ug/L	<1	<1	<1
Bromomethane, ug/L	<1	<1	<1
Benzene, ug/L	<1	<1	<1
Bromoform, ug/L	<1	<1	<1
Chlorobenzene, ug/L	<1	<1	<1
Carbon Tetrachloride, ug/L	<1	<1	<1
Chloroethane, ug/L	<1	<1	<1

BCA

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-9	TB-013196	31 JAN 96
01-616-10	GRB-013196	31 JAN 96
01-616-11	SRB-013196	31 JAN 96

PARAMETER	01-616-9	01-616-10	01-616-11
Chloroform, ug/L	<1	<1	<1
Chloromethane, ug/L	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2
Dibromochloromethane, ug/L	<1	<1	<1
Ethylbenzene, ug/L	<1	<1	<1
Freon 113, ug/L	<2	<2	<2
Methyl ethyl ketone, ug/L	<5	<5	<5
Methyl isobutyl ketone, ug/L	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2
Styrene, ug/L	<1	<1	<1
Trichloroethene, ug/L	<1	<1	<1
Trichlorofluoromethane, ug/L	<1	<1	<1
Toluene, ug/L	<1	<1	<1
Tetrachloroethene, ug/L	<1	<1	46
Vinyl acetate, ug/L	<10	<10	<10
Vinyl chloride, ug/L	<1	<1	<1
Total Xylene Isomers, ug/L	<3	<3	<3
cis-1,2-Dichloroethene, ug/L	<1	<1	<1
cis-1,3-Dichloropropene, ug/L	<1	<1	<1
trans-1,2-Dichloroethene, ug/L	<1	<1	<1
trans-1,3-Dichloropropene, ug/L	<1	<1	<1
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	45.6	46.0	45.1
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	50.0
4-Bromofluorobenzene Rep., ug/L	48.3	48.2	48.6

BCA

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801 Western Avenue
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818/247-5737
Fax: 818/247-9797

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England and Associates
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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
01-616-9	TB-013196	31 JAN 96
01-616-10	GRB-013196	31 JAN 96
01-616-11	SRB-013196	31 JAN 96

PARAMETER	01-616-9	01-616-10	01-616-11
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	49.6	48.5	48.7
Toluene-d8 Theo., ug/L	50.0	50.0	50.0

R. Taghavi For DS
Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 1/31/96 PAGE 1 OF 1

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2
PROJECT MANAGER: DENNIS ENGLAND Phone No.
QA MANAGER: MIKE PALMER Fax No. (619) 454-0165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CRANHAM, Michael Hyuchi

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-mL VOA VIAL	1½"x6" S.S. TUBE	ANALYSES REQUESTED: EPA 8240	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOAS	SPECIAL HANDLING: HCl PRESERVATIVE, LOT	DURING SAMPLING	HOLD FOR INSTRUCTION
	TB-013196	1/31/96	11:10				X	X				X	2		X				
	GRG-013196		11:15				X	X				X	2		X				
	H-1-GW		11:20		X			X				X	2		X				
	SAB-013196		13:00				X	X				X	2		X				
	H-1-55		12:23	X								X		1	X				
	H-1-69		13:46	X								X		1	X				
	H-10-GW		15:30		X			X				X	2		X				
	H-3-GW		16:19		X			X				X	2		X				
	SW-W		17:15			X						X	2		X		X		X
	SW-W-SURF		17:18			X						X	2		X		X		X
	SW-E		17:20			X						X	2		X		X		X

Total number of Containers per analysis: 18 2

Total No. of Containers: 20

LABORATORY INFORMATION: BCA; GLENDALE; G9601616

REMARKS:

Relinquished by	Date	Time	Company	Received by	Date	Time	Company
	1/31/96	17:30	H+A	For Courier	1/31/96		BCP
	1/31/96		FOR COURIER		1/31/96	18:35	Laboratory

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: COURIER
Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

: ORDER PLACED FOR CLIENT: England and Associates 9601616 :
: BC ANALYTICAL : GLEN LAB : 07:15:24 13 FEB 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9601616*1	H-1-55	8240.HSL	02.06.96	8240	537-02	9650148	7424
9601616*2	H-1-69	8240.HSL	02.06.96	8240	537-02	9650148	7424
9601616*3	H-1-GW	VOA.8240.HSL	02.08.96	8240	537-02	96206	7424
9601616*4	H-10-GW	VOA.8240.HSL	02.08.96	8240	537-02	96206	7424
9601616*5	H-3-GW	VOA.8240.HSL	02.08.96	8240	537-02	96206	7424
9601616*6	SW-W	HOLD	02.06.96				7362
9601616*7	SW-W-SURF	HOLD	02.06.96				7362
9601616*8	SW-E	HOLD	02.06.96				7362
9601616*9	TB-013196	VOA.8240.HSL	02.09.96	8240	537-02	96207	7424
9601616*10	GRB-013196	VOA.8240.HSL	02.07.96	8240	537-02	96205	7424
9601616*11	SRB-013196	VOA.8240.HSL	02.07.96	8240	537-02	96205	7424

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96205 Method: 8240 - GC/MS for Volatile Organics																					
1,1,1-Trichloroethane	ug/L	0	1 -	100	-	90	-	63	132	11	26	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1 -	106	-	115	-	51	157	8	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1 -	106	-	107	-	70	136	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1 -	103	-	92	-	72	125	11	27	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1 -	103	-	93	-	64	134	10	27	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1 -	92	-	88	-	78	122	5	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1 -	103	-	100	-	75	130	4	24	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1 -	98	-	91	-	78	123	7	26	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1 -	103	-	97	-	75	125	6	26	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1 -	104	-	99	-	76	126	5	25	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5 -	75	-	85	-	11	195	13	30	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5 -	105	-	128	-	4	228	20	38	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20 -	89	-	100	-	25	190	11	43	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50 -	86	-	99	-	30	183	14	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50 -	94	-	108	-	34	182	14	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1 -	112	-	104	-	79	123	7	25	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1 -	92	-	93	-	61	152	2	29	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1 -	98	-	89	-	73	124	10	26	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1 -	95	-	98	-	58	148	3	37	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1 -	112	-	104	-	75	126	8	23	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1 -	99	-	89	-	70	132	11	29	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1 -	98	-	100	-	58	140	3	33	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1 -	99	-	88	-	74	124	11	23	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1 -	96	-	95	-	56	145	0	37	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2 -	103	-	92	-	62	133	11	29	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1 -	107	-	104	-	73	131	2	28	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1 -	120	-	113	-	72	131	6	28	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2 -	86	-	90	-	54	146	4	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5 -	76	-	87	-	21	198	13	34	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5 -	105	-	122	-	8	215	15	37	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.31	2 -	101	-	92	-	72	125	9	26	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1 -	113	-	105	-	72	130	8	32	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1 -	90	-	80	-	71	128	12	21	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1 -	91	-	94	-	45	149	3	27	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0.29	1 -	113	-	105	-	78	123	8	22	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1 -	103	-	96	-	73	127	7	26	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10 -	91	-	89	-	44	158	2	42	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1 -	93	-	93	-	56	144	0	34	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96205 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	124	-	116	-	72	133	7	25	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	105	-	93	-	74	124	12	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	110	-	103	-	79	124	6	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	104	-	92	-	69	130	12	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	107	-	104	-	70	133	3	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	87	-	89	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	97	-	-	100	-	101	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	103	-	-	103	-	103	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96206 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	93	-	105	-	63	132	12	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	109	-	92	-	51	157	17	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	104	-	99	-	70	136	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	96	-	108	-	72	125	12	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	95	-	111	-	64	134	15	-	-	62	-	93	-	54	130	22	27	-
1,2-Dichloroethane	ug/L	0	1	-	90	-	91	-	78	122	2	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	99	-	99	-	75	130	0	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	92	-	100	-	78	123	9	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	97	-	101	-	75	125	4	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	96	-	100	-	76	126	4	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	86	-	87	-	11	195	1	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	112	-	84	-	4	228	28	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	3.9	20	-	90	-	81	-	25	190	11	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	84	-	69	-	30	183	20	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	98	-	80	-	34	182	20	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	104	-	105	-	79	123	2	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	98	-	114	-	61	152	15	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	93	-	105	-	73	124	12	-	-	86	-	99	-	61	126	14	26	-
Bromoform	ug/L	0	1	-	95	-	84	-	58	148	13	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	105	-	114	-	75	126	8	-	-	107	-	104	-	71	127	3	23	-
Carbon Tetrachloride	ug/L	0	1	-	93	-	106	-	70	132	13	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	101	-	123	-	58	140	20	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	103	-	74	124	11	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	94	-	117	-	56	145	22	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	112	-	62	133	17	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	102	-	100	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	113	-	123	-	72	131	8	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	108	-	54	146	15	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	81	-	73	-	21	198	10	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	111	-	85	-	8	215	26	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	94	-	109	-	72	125	14	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	105	-	114	-	72	130	9	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	85	-	98	-	71	128	13	-	-	74	-	95	-	63	122	19	21	-
Trichlorofluoromethane	ug/L	0	1	-	98	-	115	-	45	149	15	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0.38	1	-	105	-	114	-	78	123	7	-	-	103	-	105	-	73	124	2	22	-
Tetrachloroethene	ug/L	0	1	-	97	-	108	-	73	127	11	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	118	-	104	-	44	158	12	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1	-	85	-	124	-	56	144	38	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96206 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	115	-	125	-	72	133	8	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	97	-	108	-	74	124	11	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	102	-	99	-	79	124	3	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	111	-	69	130	16	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	101	-	93	-	70	133	8	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	85	-	-	90	-	86	-	79	114	-	-	-	90	-	92	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	97	-	-	99	-	97	-	85	111	-	-	-	100	-	97	-	85	111	-	-	-
[Toluene-d8]	Percent	104	-	-	102	-	103	-	92	110	-	-	-	90	Q	100	-	92	110	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	92	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0.61	1	-	111	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	106	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	94	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	92	-	-	-	64	134	-	-	-	97	-	95	-	54	130	2	27	-
1,2-Dichloroethane	ug/L	0	1	-	88	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	100	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	92	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	98	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.12	1	-	97	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	93	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	120	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	101	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	101	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	13	50	-	120	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	105	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	99	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	93	-	-	-	73	124	-	-	-	97	-	101	-	61	126	4	26	-
Bromoform	ug/L	0	1	-	96	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	106	-	-	-	75	126	-	-	-	146	Q	157	Q	71	127	4	23	-
Carbon Tetrachloride	ug/L	0	1	-	89	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	107	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	95	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	103	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	112	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	101	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	118	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.28	2	-	96	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	107	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	84	-	-	-	71	128	-	-	-	90	-	94	-	63	122	5	21	-
Trichlorofluoromethane	ug/L	0	1	-	100	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	107	-	-	-	78	123	-	-	-	105	-	112	-	73	124	6	22	-
Tetrachloroethene	ug/L	0	1	-	97	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	93	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1	-	98	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	115	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	96	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	103	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	102	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	88	-	-	-	79	114	-	-	-	88	-	91	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	96	-	-	101	-	-	-	85	111	-	-	-	97	-	98	-	85	111	-	-	-
[Toluene-d8]	Percent	105	-	-	102	-	-	-	92	110	-	-	-	100	-	101	-	92	110	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650148 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	125	-	132	Q	68	131	5	-	-	121	-	127	-	34	160	4	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	121	-	117	-	70	125	3	-	-	130	Q	130	Q	61	128	0	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	111	-	108	-	69	137	3	-	-	120	-	126	-	58	148	5	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0.13	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	100	-	99	-	72	129	1	-	-	102	-	101	-	75	113	0	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	119	-	115	-	68	139	4	-	-	128	-	133	Q	66	128	4	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650148 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	97	0	-	101	-	92	-	87	125	-	-	-	109	-	104	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	100	0	-	101	-	98	-	85	111	-	-	-	110	-	111	-	74	121	-	-	-
[Toluene-d8]	Percent	101	0	-	104	-	102	-	94	113	-	-	-	110	-	112	-	82	118	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 07:16:26 13 FEB 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9601616*1									
8240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	4.71	5.00	94		78	121
	Toluene-d8	9650148	02/06/96	5.10	5.00	102		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	4.98	5.00	100		74	121
9601616*2									
8240	1,2-Dichloroethane-d4 Rep	9650148	02/06/96	5.18	5.00	104		78	121
	Toluene-d8	9650148	02/06/96	5.42	5.00	108		82	118
	4-Bromofluorobenzene Rep.	9650148	02/06/96	5.42	5.00	108		74	121
9601616*3									
8240	1,2-Dichloroethane-d4 Rep	96206	02/08/96	2170	2500	87		79	114
	Toluene-d8	96206	02/08/96	2570	2500	103		92	110
	4-Bromofluorobenzene Rep.	96206	02/08/96	2440	2500	98		85	111
9601616*4									
8240	1,2-Dichloroethane-d4 Rep	96206	02/08/96	2230	2500	89		79	114
	Toluene-d8	96206	02/08/96	2600	2500	104		92	110
	4-Bromofluorobenzene Rep.	96206	02/08/96	2460	2500	98		85	111
9601616*5									
8240	1,2-Dichloroethane-d4 Rep	96206	02/08/96	2250	2500	90		79	114
	Toluene-d8	96206	02/08/96	2490	2500	100		92	110
	4-Bromofluorobenzene Rep.	96206	02/08/96	2450	2500	98		85	111
9601616*9									
8240	1,2-Dichloroethane-d4 Rep	96207	02/09/96	45.6	50.0	91		79	114
	Toluene-d8	96207	02/09/96	49.6	50.0	99		92	110
	4-Bromofluorobenzene Rep.	96207	02/09/96	48.3	50.0	97		85	111
9601616*10									
8240	1,2-Dichloroethane-d4 Rep	96205	02/07/96	46.0	50.0	92		79	114
	Toluene-d8	96205	02/07/96	48.5	50.0	97		92	110
	4-Bromofluorobenzene Rep.	96205	02/07/96	48.2	50.0	96		85	111
9601616*11									
8240	1,2-Dichloroethane-d4 Rep	96205	02/07/96	45.1	50.0	90		79	114
	Toluene-d8	96205	02/07/96	48.7	50.0	97		92	110
	4-Bromofluorobenzene Rep.	96205	02/07/96	48.6	50.0	97		85	111

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England & Associates
[redacted]375 Barranca Pkwy., Ste. F-106
[redacted]ine, CA 92718
Attention: Michael Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, STB-013196
Lab Number: FB00155

Sampled: Jan 31, 1996
Received: Feb 1, 1996
Extracted: Feb 5, 1996
Analyzed: Feb 5, 1996
Reported: Feb 12, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
[redacted]1-Dichloroethene	5.0	N.D.
[redacted]-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

[redacted]ary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	98%
Toluene-d8 (88-110)	109%
4-Bromofluorobenzene (86-115)	104%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Michael Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, H-1-GW
Lab Number: FB00156

Sampled: Jan 31, 19[illegible]
Received: Feb 1, 19[illegible]
Extracted: Feb 5, 1996
Analyzed: Feb 5, 1996
Reported: Feb 12, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	250	N.D.
Benzene	50	N.D.
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	130	N.D.
2-Butanone	250	N.D.
Carbon disulfide	130	N.D.
Carbon tetrachloride	130	N.D.
Chlorobenzene	50	N.D.
Chlorodibromomethane	50	N.D.
Chloroethane	130	N.D.
2-Chloroethyl vinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	130	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	**130**	**1,100 E**
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	**50**	**50**
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Ethylbenzene	50	N.D.
2-Hexanone	250	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	130	N.D.
Styrene	50	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	**50**	**3,200**
Toluene	50	N.D.
1,1,1-Trichloroethane	**50**	**240**
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**600**
Trichlorofluoromethane	**130**	**2,100**
Vinyl acetate	130	N.D.
Vinyl chloride	130	N.D.
Total Xylenes	50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

E = Estimated

Gary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	101%
Toluene-d8 (88-110)	108%
4-Bromofluorobenzene (86-115)	110%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

England & Associates
375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Michael Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, STB-013196
Lab Number: FB00155

Sampled: Jan 31, 1996
Received: Feb 1, 1996
Extracted: Feb 13, 1996
Analyzed: Feb 13, 1996
Reported: Feb 14, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)		Sample Result µg/L (ppb)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113).....	5.0	.....	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114).....	103%
Toluene-d8 (88-110).....	105%
4-Bromofluorobenzene (86-115).....	103%

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Michael Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water. H-1-GW .
Lab Number: FB00156

Sampled: Jan 31, 19
Received: Feb 1, 19
Extracted: Feb 13, 1996
Analyzed: Feb 13, 1996
Reported: Feb 14, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)		Sample Result µg/L (ppb)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113).....	130	.....	3,600 E

E = Estimated

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114).....	103%
Toluene-d8 (88-110).....	102%
4-Bromofluorobenzene (86-115).....	105%

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England & Associates
15375 Barranca Pkwy., Ste. F-106
[illegible]ne, CA 92718
Attention: Michael Higuchi

Method Blank

Extracted: Feb 5, 1996
Analyzed: Feb 5, 1996
Reported: Feb 12, 1996
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
[illegible]-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

[illegible]ary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	107%
Toluene-d8 (88-110)	109%
4-Bromofluorobenzene (86-115)	104%

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Michael Higuchi

Method Blank

Extracted: Feb 13, 1996
Analyzed: Feb 13, 1
Reported: Feb 14, 1996
Matrix Water

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)		Sample Result µg/L (ppb)
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113).....	5.0	.....	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114).....	96%
Toluene-d8 (88-110).....	101%
4-Bromofluorobenzene (86-115).....	97%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 2/5/96

SAMPLE #: FB00422

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	46	47	92%	94%	2.2%	93%
Chlorobenzene	0	50	45	45	90%	90%	0.0%	90%
1,1-Dichloroethane	0	50	45	46	90%	92%	2.2%	91%
1,2-Dichlororethane	0	50	41	43	82%	86%	4.8%	84%
1,1-Dichloroethene	0	50	38	40	76%	80%	5.1%	78%
Chloroform	0	50	44	47	88%	94%	6.6%	91%
Tetrachloroethene	0	50	43	43	86%	86%	0.0%	86%
Toluene	0	50	48	49	96%	98%	2.1%	97%
Trichloroethene	0	50	40	41	80%	82%	2.5%	81%
Vinyl Chloride	0	50	35	37	70%	74%	5.6%	72%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

■ HARGIS + ASSOCIATES, INC. **CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM**

DATE 1/31/96 PAGE 1 OF 1

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2
PROJECT MANAGER: DENNIS ENGLAND
Phone No. / Ph. No. (619) 454-0165
QA MANAGER: MIKE PALMER
SAMPLER (SIGNATURE): [signature]
SAMPLER (PRINTED): GREG CRANHAM, Michael Higuchi

SAMPLE CONTAINERS: 40-ML VOA VIAL
ANALYSES REQUESTED: EPA 8240
ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S
SPECIAL HANDLING
LABORATORY INFORMATION: DEL MAR ANALYTICAL

LAB ID	SAMPLE ID	Date	Time	Soil	Ground-water	Surface water	LAG WATER	HCl	HNO3	NaOH	H2SO4	Ice	40-ML VOA VIAL	EPA 8240	REMARKS
	STE 013196	1/31/96	11:40				X	X				X	2	X	
	H-1-GW	↓	11:20		X			X				X	2	X	cc: results to Mary Dickson - England & Assoc.

Total number of Containers per analysis: 4
Total No. of Containers: 4

Relinquished by:	Date	Received by:	Date
[signature]	2/1/96	[signature]	2/1/96
Company: England & Assoc	Time: 0730	Company: DEL MAR	Time: 0730
Relinquished by:	Date	Received by:	Date
Company	Time	Laboratory	Time

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with √ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- [X] No. of containers correct
- [X] received good condition/cold
- [X] custody seals secure
- [X] conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121
- [X] 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla
Attn: Accounts Payable

B C Analytical

801 Western Avenue
Glendale, CA 91201
[redacted]/247-5737
Fax: 818/247-9797

ANALYTICAL REPORT

LOG NO: G96-02-054

Received: 02 FEB 96

Mailed: FEB 15 1996

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-1	C-3-15	01 FEB 96
02-054-2	C-3-30	01 FEB 96
02-054-4	C-3-60	01 FEB 96
02-054-5	C-3-75	01 FEB 96
02-054-6	C-7-15	01 FEB 96

PARAMETER	02-054-1	02-054-2	02-054-4	02-054-5	02-054-6
[redacted].Pri.Poll. (8240)					
Date Analyzed	02/13/96	02/13/96	02/13/96	02/13/96	02/12/96
Date Extracted	---	---	---	---	02/12/96
Dilution Factor, Times	1	5	1	1	100
1,1,1-Trichloroethane, mg/kg	<0.005	<0.03	0.013	<0.005	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,1,2-Trichloroethane, mg/kg	0.0069	<0.03	<0.005	<0.005	<0.5
1,1-Dichloroethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,1-Dichloroethene, mg/kg	0.0074	0.035	0.012	0.013	<0.5
1,2-Dichloroethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,2-Dichlorobenzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,2-Dichloropropane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,3-Dichlorobenzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
1,4-Dichlorobenzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
2-Chloroethylvinylether, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
2-Hexanone, mg/kg	<0.03	<0.2	<0.03	<0.03	<3
Acetone, mg/kg	<0.1	<0.5	<0.1	<0.1	<10
Acrolein, mg/kg	<0.3	<2	<0.3	<0.3	<30
Acrylonitrile, mg/kg	<0.3	<2	<0.3	<0.3	<30
Bromodichloromethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Bromomethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Benzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Bromoform, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Chlorobenzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5

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801 Western Avenue
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LOG NO: G96-02-054

Received: 02 FEB 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-1	C-3-15	01 FEB 96
02-054-2	C-3-30	01 FEB 96
02-054-4	C-3-60	01 FEB 96
02-054-5	C-3-75	01 FEB 96
02-054-6	C-7-15	01 FEB 96

PARAMETER	02-054-1	02-054-2	02-054-4	02-054-5	02-054-6
Carbon Tetrachloride, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Chloroethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Chloroform, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Chloromethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Carbon Disulfide, mg/kg	<0.01	<0.05	<0.01	<0.01	<1
Dibromochloromethane, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Ethylbenzene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Freon 113, mg/kg	<0.01	0.078	<0.01	0.15	<1
Methyl ethyl ketone, mg/kg	<0.03	<0.2	<0.03	<0.03	<3
Methyl isobutyl ketone, mg/kg	<0.03	<0.2	<0.03	<0.03	<3
Methylene chloride, mg/kg	<0.005	<0.03	0.012	<0.005	<0.5
Styrene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Trichloroethene, mg/kg	0.024	0.030	0.024	0.014	<0.5
Trichlorofluoromethane, mg/kg	<0.005	0.046	<0.005	0.037	<0.5
Toluene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Tetrachloroethene, mg/kg	0.15	0.17	0.15	0.033	6.2
Vinyl acetate, mg/kg	<0.05	<0.3	<0.05	<0.05	<5
Vinyl chloride, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
Total Xylene Isomers, mg/kg	<0.02	<0.1	<0.02	<0.02	<2
cis-1,2-Dichloroethene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.005	<0.03	<0.005	<0.005	<0.5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-1	C-3-15	01 FEB 96
02-054-2	C-3-30	01 FEB 96
02-054-4	C-3-60	01 FEB 96
02-054-5	C-3-75	01 FEB 96
02-054-6	C-7-15	01 FEB 96

PARAMETER	02-054-1	02-054-2	02-054-4	02-054-5	02-054-6
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	0.0511	0.257	0.0498	0.0496	5.84
1,2-Dichloroethane-d4 Theo., mg/kg	0.0500	0.250	0.0500	0.0500	5.00
4-Bromofluorobenzene Rep., mg/kg	0.0453	0.226	0.0446	0.0453	5.00
4-Bromofluorobenzene Theo., mg/kg	0.0500	0.250	0.0500	0.0500	5.00
Toluene-d8 Reported, mg/kg	0.0492	0.246	0.0485	0.0492	5.23
Toluene-d8 Theo., mg/kg	0.0500	0.250	0.0500	0.0500	5.00

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-7	C-7A-15	01 FEB 96
02-054-8	C-7A-30	01 FEB 96
02-054-9	C-7A-45	01 FEB 96
02-054-10	C-7A-52	01 FEB 96

PARAMETER	02-054-7	02-054-8	02-054-9	02-054-10
Vol.Pri.Poll. (8240)				
Date Analyzed	02/12/96	02/12/96	02/13/96	02/13/96
Date Extracted	02/12/96	02/12/96	02/12/96	02/12/96
Dilution Factor, Times	100	100	100	200
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
1,2-Dichloroethane, mg/kg	<0.5	<0.5	0.54	2.1
1,2-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<1
1,3-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
1,4-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
2-Chloroethylvinylether, mg/kg	<0.5	<0.5	<0.5	<1
2-Hexanone, mg/kg	<3	<3	<3	<6
Acetone, mg/kg	<10	<10	<10	<20
Acrolein, mg/kg	<30	<30	<30	<60
Acrylonitrile, mg/kg	<30	<30	<30	<60
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<1
Benzene, mg/kg	<0.5	<0.5	<0.5	<1
Bromoform, mg/kg	<0.5	<0.5	<0.5	<1
Chlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-7	C-7A-15	01 FEB 96
02-054-8	C-7A-30	01 FEB 96
02-054-9	C-7A-45	01 FEB 96
02-054-10	C-7A-52	01 FEB 96

PARAMETER	02-054-7	02-054-8	02-054-9	02-054-10
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<1
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<1
Chloroform, mg/kg	<0.5	<0.5	<0.5	<1
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Carbon Disulfide, mg/kg	<1	<1	<1	<2
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Ethylbenzene, mg/kg	<0.5	<0.5	<0.5	<1
Freon 113, mg/kg	<1	<1	<1	<2
Methyl ethyl ketone, mg/kg	<3	<3	<3	<6
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<6
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<1
Styrene, mg/kg	<0.5	<0.5	<0.5	<1
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
Trichlorofluoromethane, mg/kg	<0.5	<0.5	<0.5	<1
Toluene, mg/kg	<0.5	<0.5	<0.5	<1
Tetrachloroethene, mg/kg	0.79	2.5	7.2	37
Vinyl acetate, mg/kg	<5	<5	<5	<10
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<1
Total Xylene Isomers, mg/kg	<2	<2	<2	<4
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<1
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<1
Surrogates **				

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-7	C-7A-15	01 FEB 96
02-054-8	C-7A-30	01 FEB 96
02-054-9	C-7A-45	01 FEB 96
02-054-10	C-7A-52	01 FEB 96

PARAMETER	02-054-7	02-054-8	02-054-9	02-054-10
1,2-Dichloroethane-d4 Rep., mg/kg	5.62	5.58	5.88	5.13
1,2-Dichloroethane-d4 Theo., mg/kg	5.00	5.00	5.00	5.00
4-Bromofluorobenzene Rep., mg/kg	4.77	4.84	5.06	4.52
4-Bromofluorobenzene Theo., mg/kg	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	4.98	5.09	5.24	4.72
Toluene-d8 Theo., mg/kg	5.00	5.00	5.00	5.00

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Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-11	TB-020196	01 FEB 96
02-054-12	SRB-020196	01 FEB 96
02-054-14	SRB-020196-A	01 FEB 96

PARAMETER	02-054-11	02-054-12	02-054-14
Vol.Pri.Poll. (8240)			
Date Analyzed	02/07/96	02/07/96	02/08/96
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<1	<1	<1
1,1,2,2-Tetrachloroethane, ug/L	<1	<1	<1
1,1,2-Trichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethane, ug/L	<1	<1	<1
1,1-Dichloroethene, ug/L	<1	<1	<1
1,2-Dichloroethane, ug/L	<1	<1	<1
1,2-Dichlorobenzene, ug/L	<1	<1	<1
1,2-Dichloropropane, ug/L	<1	<1	<1
1,3-Dichlorobenzene, ug/L	<1	<1	<1
1,4-Dichlorobenzene, ug/L	<1	<1	<1
2-Chloroethylvinylether, ug/L	<5	<5	<5
2-Hexanone, ug/L	<5	<5	<5
Acetone, ug/L	<20	27	<20
Acrolein, ug/L	<50	<50	<50
Acrylonitrile, ug/L	<50	<50	<50
Bromodichloromethane, ug/L	<1	<1	<1
Bromomethane, ug/L	<1	<1	<1
Benzene, ug/L	<1	<1	<1
Bromoform, ug/L	<1	<1	<1
Chlorobenzene, ug/L	<1	<1	<1
Carbon Tetrachloride, ug/L	<1	<1	<1
Chloroethane, ug/L	<1	<1	<1

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-11	TB-020196	01 FEB 96
02-054-12	SRB-020196	01 FEB 96
02-054-14	SRB-020196-A	01 FEB 96

PARAMETER	02-054-11	02-054-12	02-054-14
Chloroform, ug/L	<1	<1	<1
Chloromethane, ug/L	<1	<1	<1
Carbon Disulfide, ug/L	<2	<2	<2
Dibromochloromethane, ug/L	<1	<1	<1
Ethylbenzene, ug/L	<1	<1	<1
Freon 113, ug/L	<2	<2	<2
Methyl ethyl ketone, ug/L	<5	<5	<5
Methyl isobutyl ketone, ug/L	<5	<5	<5
Methylene chloride, ug/L	<2	<2	<2
Styrene, ug/L	<1	<1	<1
Trichloroethene, ug/L	<1	<1	<1
Trichlorofluoromethane, ug/L	<1	<1	<1
Toluene, ug/L	<1	<1	<1
Tetrachloroethene, ug/L	3.1	1.5	<1
Vinyl acetate, ug/L	<10	<10	<10
Vinyl chloride, ug/L	<1	<1	<1
Total Xylene Isomers, ug/L	<3	<3	<3
cis-1,2-Dichloroethene, ug/L	<1	<1	<1
cis-1,3-Dichloropropene, ug/L	<1	<1	<1
trans-1,2-Dichloroethene, ug/L	<1	<1	<1
trans-1,3-Dichloropropene, ug/L	<1	<1	<1
Surrogates **			
1,2-Dichloroethane-d4 Rep., ug/L	46.2	45.1	45.2
1,2-Dichloroethane-d4 Theo., ug/L	50.0	50.0	50.0
4-Bromofluorobenzene Rep., ug/L	48.2	48.8	49.0

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-11	TB-020196	01 FEB 96
02-054-12	SRB-020196	01 FEB 96
02-054-14	SRB-020196-A	01 FEB 96

PARAMETER	02-054-11	02-054-12	02-054-14
4-Bromofluorobenzene Theo., ug/L	50.0	50.0	50.0
Toluene-d8 Reported, ug/L	50.1	48.7	48.5
Toluene-d8 Theo., ug/L	50.0	50.0	50.0

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-13	H-4-GW-A	01 FEB 96

PARAMETER	02-054-13
Vol.Pri.Poll. (8240)	
Date Analyzed	02/09/96
Dilution Factor, Times	500
1,1,1-Trichloroethane, ug/L	3200
1,1,2,2-Tetrachloroethane, ug/L	<500
1,1,2-Trichloroethane, ug/L	<500
1,1-Dichloroethane, ug/L	<500
1,1-Dichloroethene, ug/L	3600
1,2-Dichloroethane, ug/L	1100
1,2-Dichlorobenzene, ug/L	<500
1,2-Dichloropropane, ug/L	<500
1,3-Dichlorobenzene, ug/L	<500
1,4-Dichlorobenzene, ug/L	<500
2-Chloroethylvinylether, ug/L	<3000
2-Hexanone, ug/L	<3000
Acetone, ug/L	<10000
Acrolein, ug/L	<30000
Acrylonitrile, ug/L	<30000
Bromodichloromethane, ug/L	<500
Bromomethane, ug/L	<500
Benzene, ug/L	<500
Bromoform, ug/L	<500
Chlorobenzene, ug/L	<500
Carbon Tetrachloride, ug/L	<500
Chloroethane, ug/L	<500
Chloroform, ug/L	1400
Chloromethane, ug/L	<500

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-13	H-4-GW-A	01 FEB 96

PARAMETER	02-054-13
Carbon Disulfide, ug/L	<1000
Dibromochloromethane, ug/L	<500
Ethylbenzene, ug/L	<500
Freon 113, ug/L	5500
Methyl ethyl ketone, ug/L	<3000
Methyl isobutyl ketone, ug/L	<3000
Methylene chloride, ug/L	3100
Styrene, ug/L	<500
Trichloroethene, ug/L	1700
Trichlorofluoromethane, ug/L	2900
Toluene, ug/L	<500
Tetrachloroethene, ug/L	32000
Vinyl acetate, ug/L	<5000
Vinyl chloride, ug/L	<500
Total Xylene Isomers, ug/L	<2000
cis-1,2-Dichloroethene, ug/L	<500
cis-1,3-Dichloropropene, ug/L	<500
trans-1,2-Dichloroethene, ug/L	<500
trans-1,3-Dichloropropene, ug/L	<500
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	22900
1,2-Dichloroethane-d4 Theo., ug/L	25000
4-Bromofluorobenzene Rep., ug/L	23700
4-Bromofluorobenzene Theo., ug/L	25000
Toluene-d8 Reported, ug/L	25100
Toluene-d8 Theo., ug/L	25000

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-15	BT-020196	01 FEB 96

PARAMETER	02-054-15
Vol.Pri.Poll. (8240)	
Date Analyzed	02/08/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	1.3
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1

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LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
02-054-15	BT-020196	01 FEB 96

PARAMETER	02-054-15	
Carbon Disulfide, ug/L	<2	
Dibromochloromethane, ug/L	<1	
Ethylbenzene, ug/L	<1	
Freon 113, ug/L	<2	
Methyl ethyl ketone, ug/L	<5	
Methyl isobutyl ketone, ug/L	<5	
Methylene chloride, ug/L	<2	
Styrene, ug/L	<1	
Trichloroethene, ug/L	<1	
Trichlorofluoromethane, ug/L	<1	
Toluene, ug/L	1.7	E
Tetrachloroethene, ug/L	6.3	E
Vinyl acetate, ug/L	<10	
Vinyl chloride, ug/L	<1	
Total Xylene Isomers, ug/L	<3	
cis-1,2-Dichloroethene, ug/L	<1	
cis-1,3-Dichloropropene, ug/L	<1	
trans-1,2-Dichloroethene, ug/L	<1	
trans-1,3-Dichloropropene, ug/L	<1	
Surrogates **		
1,2-Dichloroethane-d4 Rep., ug/L	45.7	
1,2-Dichloroethane-d4 Theo., ug/L	50.0	
4-Bromofluorobenzene Rep., ug/L	47.8	
4-Bromofluorobenzene Theo., ug/L	50.0	
Toluene-d8 Reported, ug/L	49.3	
Toluene-d8 Theo., ug/L	50.0	

E = Estimated

BCA

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-02-054

Received: 02 FEB 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-3	C-3-45	01 FEB 96

PARAMETER	02-054-3
Vol.Pri.Poll. (8240)	
Date Analyzed	02/12/96
Date Extracted	02/12/96
Dilution Factor, Times	100
1,1,1-Trichloroethane, mg/kg	<0.5
1,1,2,2-Tetrachloroethane, mg/kg	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5
1,1-Dichloroethane, mg/kg	<0.5
1,1-Dichloroethene, mg/kg	<0.5
1,2-Dichloroethane, mg/kg	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5
1,2-Dichloropropane, mg/kg	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5
2-Chloroethylvinylether, mg/kg	<0.5
2-Hexanone, mg/kg	<3
Acetone, mg/kg	<10
Acrolein, mg/kg	<30
Acrylonitrile, mg/kg	<30
Bromodichloromethane, mg/kg	<0.5
Bromomethane, mg/kg	<0.5
Benzene, mg/kg	<0.5
Bromoform, mg/kg	<0.5
Chlorobenzene, mg/kg	<0.5
Carbon Tetrachloride, mg/kg	<0.5
Chloroethane, mg/kg	<0.5
Chloroform, mg/kg	<0.5

BCA

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801 Western Avenue
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England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
02-054-3	C-3-45	01 FEB 96

PARAMETER	02-054-3
Chloromethane, mg/kg	<0.5
Carbon Disulfide, mg/kg	<1
Dibromochloromethane, mg/kg	<0.5
Ethylbenzene, mg/kg	<0.5
Freon 113, mg/kg	<1
Methyl ethyl ketone, mg/kg	<3
Methyl isobutyl ketone, mg/kg	<3
Methylene chloride, mg/kg	<0.5
Styrene, mg/kg	<0.5
Trichloroethene, mg/kg	<0.5
Trichlorofluoromethane, mg/kg	<0.5
Toluene, mg/kg	<0.5
Tetrachloroethene, mg/kg	0.81
Vinyl acetate, mg/kg	<5
Vinyl chloride, mg/kg	<0.5
Total Xylene Isomers, mg/kg	<2
cis-1,2-Dichloroethene, mg/kg	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5
trans-1,3-Dichloropropene, mg/kg	<0.5
Surrogates **	
1,2-Dichloroethane-d4 Rep., mg/kg	5.89
1,2-Dichloroethane-d4 Theo., mg/kg	5.00
4-Bromofluorobenzene Rep., mg/kg	5.09
4-Bromofluorobenzene Theo., mg/kg	5.00
Toluene-d8 Reported, mg/kg	5.35
Toluene-d8 Theo., mg/kg	5.00

BCA

B C Analytical

801 Western Avenue
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LOG NO: G96-02-054

Received: 02 FEB 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, California 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Brian Moore for DS
Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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BCA

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 2/1/96 PAGE 1 OF 2

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.2
PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8855
QA MANAGER: MIKE PALMER FAX No. (619) 454-0165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CUNNINGHAM, Michael Higuchi

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 1¼"x6" SS TUBE	40-mL VOA VIAL	1-L AMBER GLASS	1-L POLYETHYLENE	ANALYSES REQUESTED: EPA 8240	EPA 8270	CCR METALS	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: HOLD FOR INSTRUCTIONS	ANALYZE DUPLICATE SAMPLE
G9602054	C-3-15	2/1/96	0754	X								X	1				X					
	TB-020196		0825				X	X				X		2			X					
	SAB-020196		0820				X	X				X		2			X					
	C-3-30		0835	X								X	1				X					
	C-3-45		0855	X								X	1				X					
	C-3-60		0915	X								X	1				X					
	C-3-75		0943	X								X	1				X					
	H-4-GW-A		1143		X			X				X		2			X					
	SAB-020196-A		1150				X	X				X		2			X					
	C-7-15		1236	X								X	1				X					
	C-7A-15		1412	X								X	1				X					
	C-7A-30		1425	X								X	1				X					
	C-7A-45		1456	X								X	1				X					X
	C-7A-52	↓	1530	X								X	1				X					
Total number of Containers per analysis:													10	8								

LABORATORY INFORMATION: BCA; GLENDALE; G9602054

REMARKS: ARROW POINTS TO BOTTOM OF SOIL SAMPLES. ANALYZE SAMPLE FROM BOTTOM END, ALSO MARKED WITH SAMPLE I.D.

Total No. of Containers: 18

Relinquished by	Date	Time	Company	Received by	Date	Time	Company
	2/2	10:14	England & Assoc				BC Analytical
Relinquished by	Date	Time	Company	Received by:	Date	Time	Laboratory
					2/2/96	5:30	BCA

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: COURIER
Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 2/1/96 PAGE 2 OF 2

PROJECT NAME	OMEGA
PROJECT No./TASK No.	4452
PROJECT MANAGER	DENNIS ~~ENGLAND~~
Phone No.	(714) 453 8085
QA MANAGER	MIKE PALMER
FAX No.	(619) 454-0165
SAMPLER (SIGNATURE)	Michael Higuchi
SAMPLER (PRINTED)	GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-mL VOA VIAL	1-L Amber GLASS	1-L POLYETHYLENE	ANALYSES REQUESTED: EPA 8240	EPA 8270	CAM METALS	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOAS	SPECIAL HANDLING: HOLD FOR INSTRUCTIONS	LABORATORY INFORMATION
	GT-020196	2/1/96	1650			X		X				X	2			X				X	BCA
	↓	↓	↓			X						X		2			X			X	GLENDALE
	↓	↓	↓			X			X			X			1			X			X	96020254
																					REMARKS: Hold for Instructions
Total number of Containers per analysis:													2	2	1						Total No. of Containers: 5

Relinquished by	Date	Time	Received by	Date	Time
	2/2	1014			
England & Assoc Company			BC Analytical Company		
Relinquished by	Date		Received by:	Date	
				2/2/96	
Company	Time		Laboratory	Time	
			BCA	3:30	

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☐ No. of containers correct
- ☐ received good condition/cold
- ☐ custody seals secure
- ☐ conforms to COC document

Shipment Method: COURIER

Send Results to: MIKE PALMER

- ☐ 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121
- ☒ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- ☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla
Attn: Accounts Payable

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9602054*1	C-3-15	8240.HSL	02.13.96	8240	537-05	9650155	7424
9602054*2	C-3-30	8240.HSL	02.13.96	8240	537-05	9650155	7424
9602054*4	C-3-60	8240.HSL	02.13.96	8240	537-05	9650155	7424
9602054*5	C-3-75	8240.HSL	02.13.96	8240	537-05	9650155	7424
9602054*6	C-7-15	8240.HSL	02.12.96	8240	537-05	9650153	7424
9602054*7	C-7A-15	8240.HSL	02.12.96	8240	537-05	9650153	7424
9602054*8	C-7A-30	8240.HSL	02.12.96	8240	537-05	9650153	7424
9602054*9	C-7A-45	8240.HSL	02.13.96	8240	537-05	9650153	7424
9602054*10	C-7A-52	8240.HSL	02.13.96	8240	537-05	9650153	7424
9602054*11	TB-020196	VOA.8240.HSL	02.07.96	8240	537-02	96205	7424
9602054*12	SRB-020196	VOA.8240.HSL	02.07.96	8240	537-02	96205	7424
9602054*14	SRB-020196-A	VOA.8240.HSL	02.08.96	8240	537-02	96206	7424
9602054*13	H-4-GW-A	VOA.8240.HSL	02.09.96	8240	537-02	96207	7424
9602054*15	BT-020196	VOA.8240.HSL	02.08.96	8240	537-02	96206	7424
9602054*3	C-3-45	8240.HSL	02.12.96	8240	537-05	9650153	7424

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96205 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	100	-	90	-	63	132	11	26	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	106	-	115	-	51	157	8	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	106	-	107	-	70	136	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	103	-	92	-	72	125	11	27	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	103	-	93	-	64	134	10	27	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	92	-	88	-	78	122	5	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	103	-	100	-	75	130	4	24	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	98	-	91	-	78	123	7	26	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	103	-	97	-	75	125	6	26	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	104	-	99	-	76	126	5	25	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	75	-	85	-	11	195	13	30	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	105	-	128	-	4	228	20	38	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	89	-	100	-	25	190	11	43	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	86	-	99	-	30	183	14	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	94	-	108	-	34	182	14	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	112	-	104	-	79	123	7	25	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	92	-	93	-	61	152	2	29	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	98	-	89	-	73	124	10	26	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	95	-	98	-	58	148	3	37	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	112	-	104	-	75	126	8	23	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	99	-	89	-	70	132	11	29	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	98	-	100	-	58	140	3	33	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	99	-	88	-	74	124	11	23	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	96	-	95	-	56	145	0	37	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	103	-	92	-	62	133	11	29	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	107	-	104	-	73	131	2	28	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	120	-	113	-	72	131	6	28	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	86	-	90	-	54	146	4	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	76	-	87	-	21	198	13	34	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone,	ug/L	0	5	-	105	-	122	-	8	215	15	37	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.31	2	-	101	-	92	-	72	125	9	26	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	113	-	105	-	72	130	8	32	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	90	-	80	-	71	128	12	21	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	91	-	94	-	45	149	3	27	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0.29	1	-	113	-	105	-	78	123	8	22	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	103	-	96	-	73	127	7	26	-	-	-	-	-	-	-	-	-	-
Vin[redacted]cetate	ug/L	0	10	-	91	[redacted]	89	-	44	158	2	42	-	-	-	-	-	-	-	[redacted]	-	-
Vin[redacted]hloride	ug/L	0	1	-	93	[redacted]	93	-	56	144	0	34	-	-	-	-	-	-	-	[redacted]	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96205 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	124	-	116	-	72	133	7	25	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	105	-	93	-	74	124	12	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	110	-	103	-	79	124	6	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	104	-	92	-	69	130	12	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	107	-	104	-	70	133	3	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	87	-	89	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	97	-	-	100	-	101	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	103	-	-	103	-	103	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96206 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	93	-	105	-	63	132	12	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	109	-	92	-	51	157	17	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	104	-	99	-	70	136	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	96	-	108	-	72	125	12	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	95	-	111	-	64	134	15	-	-	62	-	93	-	54	130	22	27	-
1,2-Dichloroethane	ug/L	0	1	-	90	-	91	-	78	122	2	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	99	-	99	-	75	130	0	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	92	-	100	-	78	123	9	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	97	-	101	-	75	125	4	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	96	-	100	-	76	126	4	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	86	-	87	-	11	195	1	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	112	-	84	-	4	228	28	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	3.9	20	-	90	-	81	-	25	190	11	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	84	-	69	-	30	183	20	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	98	-	80	-	34	182	20	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	104	-	105	-	79	123	2	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	98	-	114	-	61	152	15	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	93	-	105	-	73	124	12	-	-	86	-	99	-	61	126	14	26	-
Bromoform	ug/L	0	1	-	95	-	84	-	58	148	13	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	105	-	114	-	75	126	8	-	-	107	-	104	-	71	127	3	23	-
Carbon Tetrachloride	ug/L	0	1	-	93	-	106	-	70	132	13	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	101	-	123	-	58	140	20	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	103	-	74	124	11	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	94	-	117	-	56	145	22	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	112	-	62	133	17	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	102	-	100	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	113	-	123	-	72	131	8	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	108	-	54	146	15	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	81	-	73	-	21	198	10	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone,	ug/L	0	5	-	111	-	85	-	8	215	26	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	94	-	109	-	72	125	14	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	105	-	114	-	72	130	9	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	85	-	98	-	71	128	13	-	-	74	-	95	-	63	122	19	21	-
Trichlorofluoromethane	ug/L	0	1	-	98	-	115	-	45	149	15	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0.38	1	-	105	-	114	-	78	123	7	-	-	103	-	105	-	73	124	2	22	-
Tetrachloroethene	ug/L	0	1	-	97	-	108	-	73	127	11	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	118	-	104	-	44	158	12	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	1	-	85	-	124	-	56	144	38	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96206 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	115	-	125	-	72	133	8	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	97	-	108	-	74	124	11	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	102	-	99	-	79	124	3	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	111	-	69	130	16	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	101	-	93	-	70	133	8	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	85	-	-	90	-	86	-	79	114	-	-	-	90	-	92	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	97	-	-	99	-	97	-	85	111	-	-	-	100	-	97	-	85	111	-	-	-
[Toluene-d8]	Percent	104	-	-	102	-	103	-	92	110	-	-	-	90	Q	100	-	92	110	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	92	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0.61	1	-	111	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	106	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	94	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	92	-	-	-	64	134	-	-	-	97	-	95	-	54	130	2	27	-
1,2-Dichloroethane	ug/L	0	1	-	88	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	100	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	92	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	98	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.12	1	-	97	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	93	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	120	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	101	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	101	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	13	50	-	120	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	105	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	99	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	93	-	-	-	73	124	-	-	-	97	-	101	-	61	126	4	26	-
Bromoform	ug/L	0	1	-	96	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	106	-	-	-	75	126	-	-	-	146	Q	157	Q	71	127	4	23	-
Carbon Tetrachloride	ug/L	0	1	-	89	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	107	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	92	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	95	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	94	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	103	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	112	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	93	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	101	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone,	ug/L	0	5	-	118	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.28	2	-	96	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	107	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	84	-	-	-	71	128	-	-	-	90	-	94	-	63	122	5	21	-
Trichlorofluoromethane	ug/L	0	1	-	100	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	107	-	-	-	78	123	-	-	-	105	-	112	-	73	124	6	22	-
Tetrachloroethene	ug/L	0	1	-	97	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	ug/L	0	10	-	93	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	ug/L	0	1	-	98	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES

		------ METHOD BLANK ------			---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96207 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	ug/L	0	3	-	115	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	96	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	103	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	102	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	86	-	-	88	-	-	-	79	114	-	-	-	88	-	91	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	96	-	-	101	-	-	-	85	111	-	-	-	97	-	98	-	85	111	-	-	-
[Toluene-d8]	Percent	105	-	-	102	-	-	-	92	110	-	-	-	100	-	101	-	92	110	-	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650153 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	105	-	105	-	68	131	0	-	-	109	-	112	-	34	160	3	28	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	98	-	100	-	70	125	2	-	-	100	-	105	-	61	128	5	25	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	109	-	108	-	69	137	1	-	-	114	-	120	-	58	148	5	19	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	113	-	119	-	72	129	5	-	-	117	Q	122	Q	75	113	5	29	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.082	0.5	-	94	-	98	-	68	139	4	-	-	102	-	103	-	66	128	1	19	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl [redacted]etate	mg/kg	0	5	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	[redacted]	-	-
Vinyl [redacted]loride	mg/kg	0	0.5	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	[redacted]	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650153 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	105	0	-	108	-	110	-	87	125	-	-	-	111	-	114	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	88	0	-	92	-	90	-	85	111	-	-	-	92	-	96	-	74	121	-	-	-
[Toluene-d8]	Percent	96	0	-	99	-	99	-	94	113	-	-	-	100	-	104	-	82	118	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650155 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.005	-	130	-	128	-	67	135	2	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.005	-	116	-	117	-	63	173	1	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.005	-	106	-	109	-	62	156	3	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.005	-	123	Q	117	-	79	118	5	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.005	-	96	-	96	-	68	131	0	-	-	113	-	92	-	34	160	16	28	-
1,2-Dichloroethane	mg/kg	0	0.005	-	113	-	111	-	77	129	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.005	-	116	-	119	Q	85	118	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.005	-	105	-	104	-	79	125	0	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.005	-	119	Q	121	Q	84	118	2	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.005	-	121	Q	119	Q	85	117	2	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.005	-	103	-	98	-	21	189	5	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	0.03	-	99	-	109	-	18	254	10	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	0.1	-	80	-	81	-	6	220	0	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	0.3	-	18	Q	17	Q	72	134	1	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	0.3	-	117	-	118	-	64	143	1	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.005	-	114	-	115	-	73	132	1	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.005	-	160	Q	140	-	61	142	14	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.005	-	91	-	90	-	70	125	0	-	-	87	-	89	-	61	128	2	25	-
Bromoform	mg/kg	0	0.005	-	119	-	119	-	65	160	0	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.005	-	111	-	112	-	69	137	1	-	-	111	-	112	-	58	148	1	19	-
Carbon Tetrachloride	mg/kg	0	0.005	-	132	-	133	-	61	141	0	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.005	-	148	Q	134	-	48	143	10	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.005	-	111	-	110	-	77	123	1	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.005	-	172	Q	47	Q	64	133	114	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	0.01	-	119	-	122	-	61	128	3	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.005	-	109	-	112	-	55	159	2	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.005	-	104	-	105	-	70	137	1	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	0.01	-	166	Q	155	Q	66	133	7	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	0.03	-	115	-	127	-	27	230	10	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	0.03	-	104	-	109	-	44	207	5	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.005	-	101	-	102	-	78	119	1	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.005	-	99	-	100	-	65	140	0	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.005	-	122	-	120	-	72	129	1	-	-	132	Q	116	Q	75	113	11	29	-
Trichlorofluoromethane	mg/kg	0	0.005	-	166	Q	155	Q	66	134	7	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.005	-	93	-	94	-	68	139	1	-	-	92	-	93	-	66	128	1	19	-
Tetrachloroethene	mg/kg	0	0.005	-	119	-	121	-	63	144	1	-	-	-	-	-	-	-	-	-	-	-
Vinyl [redacted]tate	mg/kg	0	0.05	-	114	-	[redacted]13	-	74	141	1	-	-	-	-	-	-	-	-	[redacted]	-	-
Vinyl [redacted]oride	mg/kg	0	0.005	-	138	-	[redacted]34	-	54	148	3	-	-	-	-	-	-	-	-	[redacted]	-	-

NON-AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9650155 Method: 8240 - GC/MS for Volatile Organics, con't																						
Total Xylene Isomers	mg/kg	0	0.02	-	116	Q	118	Q	85	115	2	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.005	-	91	-	90	-	74	122	1	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.005	-	107	-	109	-	73	131	2	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.005	-	104	-	99	-	73	122	5	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.005	-	106	-	108	-	55	147	2	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	104	-	-	108	-	106	-	87	125	-	-	-	105	-	103	-	78	121	-	-	-
[4-Bromofluorobenzene]	Percent	90	-	-	114	Q	114	Q	85	111	-	-	-	109	-	113	-	74	121	-	-	-
[Toluene-d8]	Percent	98	-	-	95	-	96	-	94	113	-	-	-	96	-	96	-	82	118	-	-	-

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 10:16:31 15 FEB 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
9602054*1									
8240	1,2-Dichloroethane-d4 Rep	9650155	02/13/96	0.0511	0.0500	102		78	121
	Toluene-d8	9650155	02/13/96	0.0492	0.0500	98		82	118
	4-Bromofluorobenzene Rep.	9650155	02/13/96	0.0453	0.0500	91		74	121
9602054*2									
8240	1,2-Dichloroethane-d4 Rep	9650155	02/13/96	0.257	0.250	103		78	121
	Toluene-d8	9650155	02/13/96	0.246	0.250	98		82	118
	4-Bromofluorobenzene Rep.	9650155	02/13/96	0.226	0.250	90		74	121
9602054*3									
8240	1,2-Dichloroethane-d4 Rep	9650153	02/12/96	5.89	5.00	118		78	121
	Toluene-d8	9650153	02/12/96	5.35	5.00	107		82	118
	4-Bromofluorobenzene Rep.	9650153	02/12/96	5.09	5.00	102		74	121
9602054*4									
8240	1,2-Dichloroethane-d4 Rep	9650155	02/13/96	0.0498	0.0500	100		78	121
	Toluene-d8	9650155	02/13/96	0.0485	0.0500	97		82	118
	4-Bromofluorobenzene Rep.	9650155	02/13/96	0.0446	0.0500	89		74	121
9602054*5									
8240	1,2-Dichloroethane-d4 Rep	9650155	02/13/96	0.0496	0.0500	99		78	121
	Toluene-d8	9650155	02/13/96	0.0492	0.0500	98		82	118
	4-Bromofluorobenzene Rep.	9650155	02/13/96	0.0453	0.0500	91		74	121
9602054*6									
8240	1,2-Dichloroethane-d4 Rep	9650153	02/12/96	5.84	5.00	117		78	121
	Toluene-d8	9650153	02/12/96	5.23	5.00	105		82	118
	4-Bromofluorobenzene Rep.	9650153	02/12/96	5.00	5.00	100		74	121
9602054*7									
8240	1,2-Dichloroethane-d4 Rep	9650153	02/12/96	5.62	5.00	112		78	121
	Toluene-d8	9650153	02/12/96	4.98	5.00	100		82	118
	4-Bromofluorobenzene Rep.	9650153	02/12/96	4.77	5.00	95		74	121
9602054*8									
8240	1,2-Dichloroethane-d4 Rep	9650153	02/12/96	5.58	5.00	112		78	121
	Toluene-d8	9650153	02/12/96	5.09	5.00	102		82	118
	4-Bromofluorobenzene Rep.	9650153	02/12/96	4.84	5.00	97		74	121
9602054*9									
8240	1,2-Dichloroethane-d4 Rep	9650153	02/13/96	5.88	5.00	118		78	121
	Toluene-d8	9650153	02/13/96	5.24	5.00	105		82	118
	4-Bromofluorobenzene Rep.	9650153	02/13/96	5.06	5.00	101		74	121
9602054*10									

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG	LCL	UCL
8	1,2-Dichloroethane-d4 Rep	9650153	02/13/96	5.13	5.00	103		78	121
	Toluene-d8	9650153	02/13/96	4.72	5.00	94		82	118
	4-Bromofluorobenzene Rep.	9650153	02/13/96	4.52	5.00	90		74	121
9602054*11									
8240	1,2-Dichloroethane-d4 Rep	96205	02/07/96	46.2	50.0	92		79	114
	Toluene-d8	96205	02/07/96	50.1	50.0	100		92	110
	4-Bromofluorobenzene Rep.	96205	02/07/96	48.2	50.0	96		85	111
9602054*12									
8240	1,2-Dichloroethane-d4 Rep	96205	02/07/96	45.1	50.0	90		79	114
	Toluene-d8	96205	02/07/96	48.7	50.0	97		92	110
	4-Bromofluorobenzene Rep.	96205	02/07/96	48.8	50.0	98		85	111
9602054*13									
8240	1,2-Dichloroethane-d4 Rep	96207	02/09/96	22900	25000	92		79	114
	Toluene-d8	96207	02/09/96	25100	25000	100		92	110
	4-Bromofluorobenzene Rep.	96207	02/09/96	23700	25000	95		85	111
9602054*14									
8240	1,2-Dichloroethane-d4 Rep	96206	02/08/96	45.2	50.0	90		79	114
	Toluene-d8	96206	02/08/96	48.5	50.0	97		92	110
	4-Bromofluorobenzene Rep.	96206	02/08/96	49.0	50.0	98		85	111
9602054*15									
8240	1,2-Dichloroethane-d4 Rep	96206	02/08/96	45.7	50.0	91		79	114
	Toluene-d8	96206	02/08/96	49.3	50.0	99		92	110
	4-Bromofluorobenzene Rep.	96206	02/08/96	47.8	50.0	96		85	111

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

AMENDED REPORT

JUN 14 1996

LOG NO: G96-05-526

Received: 25 MAY 96
Mailed : 03 JUN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-1	B-4-5	23 MAY 96
05-526-2	B-4-10	23 MAY 96
05-526-3	B-4-15	23 MAY 96
05-526-4	B-4-20	23 MAY 96
05-526-5	B-4-30	23 MAY 96

PARAMETER	05-526-1	05-526-2	05-526-3	05-526-4	05-526-5
Vol.Pri.Poll. (8240)					
Date Analyzed	05/30/96	05/31/96	05/31/96	05/31/96	05/31/96
Date Extracted	05/30/96	05/30/96	05/30/96	05/30/96	05/30/96
Dilution Factor, Times	10000	100	100	100	100
1,1,1-Trichloroethane, mg/kg	15	<0.5	1.2	1.1	0.85
1,1,2,2-Tetrachloroethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
2-Hexanone, mg/kg	<300	<3	<3	<3	<3
Acetone, mg/kg	<1000	<10	<10	<10	<10
Acrolein, mg/kg	<3000	<30	<30	<30	<30
Acrylonitrile, mg/kg	<3000	<30	<30	<30	<30
Bromodichloromethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Bromomethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Benzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Bromoform, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Chlorobenzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5

B C Analytical

801 Western Avenue
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Fax: 818/247-9797

LOG NO: G96-05-526

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Mailed : 03 JUN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-1	B-4-5	23 MAY 96
05-526-2	B-4-10	23 MAY 96
05-526-3	B-4-15	23 MAY 96
05-526-4	B-4-20	23 MAY 96
05-526-5	B-4-30	23 MAY 96

PARAMETER	05-526-1	05-526-2	05-526-3	05-526-4	05-526-5
Carbon Tetrachloride, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Chloroethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Chloroform, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Chloromethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide, mg/kg	<100	<1	<1	<1	<1
Dibromochloromethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Ethylbenzene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Freon 113, mg/kg	<100	<1	<1	<1	<1
Methyl ethyl ketone, mg/kg	<300	<3	<3	<3	<3
Methyl isobutyl ketone, mg/kg	<300	<3	<3	<3	<3
Methylene chloride, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Styrene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Trichloroethene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Toluene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene, mg/kg	510	1.9	9.8	11	5.2
Vinyl acetate, mg/kg	<500	<5	<5	<5	<5
Vinyl chloride, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
Total Xylene Isomers, mg/kg	<200	<2	<2	<2	<2
cis-1,2-Dichloroethene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene, mg/kg	<50	<0.5	<0.5	<0.5	<0.5

B C Analytical

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-1	B-4-5	23 MAY 96
05-526-2	B-4-10	23 MAY 96
05-526-3	B-4-15	23 MAY 96
05-526-4	B-4-20	23 MAY 96
05-526-5	B-4-30	23 MAY 96

PARAMETER		05-526-1	05-526-2	05-526-3	05-526-4	05-526-5
Surrogates **						
1,2-Dichloroethane-d4 Rep.,	mg/kg	472	9.51	8.91	9.18	8.95
1,2-Dichloroethane-d4 Theo.,	mg/kg	500	10.0	10.0	10.0	10.0
4-Bromofluorobenzene Rep.,	mg/kg	494	9.49	9.25	9.32	9.39
4-Bromofluorobenzene Theo.,	mg/kg	500	10.0	10.0	10.0	10.0
Toluene-d8 Reported,	mg/kg	518	10.3	9.85	9.69	9.91
Toluene-d8 Theo.,	mg/kg	500	10.0	10.0	10.0	10.0

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Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-6	B-4-45	23 MAY 96
05-526-7	B-4-55	24 MAY 96
05-526-8	B-4-65	24 MAY 96
05-526-9	B-4-70	24 MAY 96
05-526-10	B-4-75	24 MAY 96

PARAMETER	05-526-6	05-526-7	05-526-8	05-526-9	05-526-10
Vol.Pri.Poll. (8240)					
Date Analyzed	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96
Date Extracted	05/30/96	05/30/96	05/30/96	05/30/96	05/30/96
Dilution Factor, Times	100	500	200	100	100
1,1,1-Trichloroethane, mg/kg	<0.5	<3	1.5	0.67	0.96
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,1,2-Trichloroethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,1-Dichloroethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,1-Dichloroethene, mg/kg	<0.5	<3	<1	<0.5	0.99
1,2-Dichloroethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,2-Dichloropropane, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
2-Chloroethylvinylether, mg/kg	<0.5	<3	<1	<0.5	<0.5
2-Hexanone, mg/kg	<3	<20	<6	<3	<3
Acetone, mg/kg	<10	<50	<20	<10	<10
Acrolein, mg/kg	<30	<200	<60	<30	<30
Acrylonitrile, mg/kg	<30	<200	<60	<30	<30
Bromodichloromethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Bromomethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Benzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Bromoform, mg/kg	<0.5	<3	<1	<0.5	<0.5

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-05-526

Received: 25 MAY 96
Mailed : 03 JUN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-6	B-4-45	23 MAY 96
05-526-7	B-4-55	24 MAY 96
05-526-8	B-4-65	24 MAY 96
05-526-9	B-4-70	24 MAY 96
05-526-10	B-4-75	24 MAY 96

PARAMETER	05-526-6	05-526-7	05-526-8	05-526-9	05-526-10
Chlorobenzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Carbon Tetrachloride, mg/kg	<0.5	<3	<1	<0.5	<0.5
Chloroethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Chloroform, mg/kg	<0.5	<3	<1	<0.5	<0.5
Chloromethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Carbon Disulfide, mg/kg	<1	<5	<2	<1	<1
Dibromochloromethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Ethylbenzene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Freon 113, mg/kg	<1	<5	<2	<1	0.98
Methyl ethyl ketone, mg/kg	<3	<20	<6	<3	<3
Methyl isobutyl ketone, mg/kg	<3	<20	<6	<3	<3
Methylene chloride, mg/kg	<0.5	<3	1.4	4.2	2.4
Styrene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Trichloroethene, mg/kg	<0.5	<3	<1	<0.5	0.54
Trichlorofluoromethane, mg/kg	<0.5	<3	<1	<0.5	<0.5
Toluene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Tetrachloroethene, mg/kg	8.4	56	27	11	16
Vinyl acetate, mg/kg	<5	<30	<10	<5	<5
Vinyl chloride, mg/kg	<0.5	<3	<1	<0.5	<0.5
Total Xylene Isomers, mg/kg	<2	<10	<4	<2	<2
cis-1,2-Dichloroethene, mg/kg	<0.5	<3	<1	<0.5	<0.5
cis-1,3-Dichloropropene, mg/kg	<0.5	<3	<1	<0.5	<0.5
trans-1,2-Dichloroethene, mg/kg	<0.5	<3	<1	<0.5	<0.5

B C Analytical

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LOG NO: G96-05-526

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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-6	B-4-45	23 MAY 96
05-526-7	B-4-55	24 MAY 96
05-526-8	B-4-65	24 MAY 96
05-526-9	B-4-70	24 MAY 96
05-526-10	B-4-75	24 MAY 96

PARAMETER	05-526-6	05-526-7	05-526-8	05-526-9	05-526-10
trans-1,3-Dichloropropene, mg/kg	<0.5	<3	<1	<0.5	<0.5
Surrogates **					
1,2-Dichloroethane-d4 Rep., mg/kg	9.72	5.38	4.20	4.52	4.61
1,2-Dichloroethane-d4 Theo., mg/kg	10.0	5.00	5.00	5.00	5.00
4-Bromofluorobenzene Rep., mg/kg	9.59	6.04	4.31	4.73	4.73
4-Bromofluorobenzene Theo., mg/kg	10.0	5.00	5.00	5.00	5.00
Toluene-d8 Reported, mg/kg	9.72	5.93	4.55	4.89	4.74
Toluene-d8 Theo., mg/kg	10.0	5.00	5.00	5.00	5.00

B C Analytical

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LOG NO: G96-05-526

Received: 25 MAY 96
Mailed : 03 JUN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-11	B-4	24 MAY 96

PARAMETER	05-526-11
Vol.Pri.Poll. (8240)	
Date Analyzed	05/30/96
Dilution Factor, Times	1000
1,1,1-Trichloroethane, ug/L	7700
1,1,2,2-Tetrachloroethane, ug/L	<1000
1,1,2-Trichloroethane, ug/L	<1000
1,1-Dichloroethane, ug/L	<1000
1,1-Dichloroethene, ug/L	6600
1,2-Dichloroethane, ug/L	1100
1,2-Dichlorobenzene, ug/L	<1000
1,2-Dichloropropane, ug/L	<1000
1,3-Dichlorobenzene, ug/L	<1000
1,4-Dichlorobenzene, ug/L	<1000
2-Chloroethylvinylether, ug/L	<5000
2-Hexanone, ug/L	<5000
Acetone, ug/L	<20000
Acrolein, ug/L	<50000
Acrylonitrile, ug/L	<50000
Bromodichloromethane, ug/L	<1000
Bromomethane, ug/L	<1000
Benzene, ug/L	<1000
Bromoform, ug/L	<1000
Chlorobenzene, ug/L	<1000
Carbon Tetrachloride, ug/L	<1000
Chloroethane, ug/L	<1000
Chloroform, ug/L	1800
Chloromethane, ug/L	<1000

B C Analytical

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LOG NO: G96-05-526

Received: 25 MAY 96
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Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-11	B-4	24 MAY 96

PARAMETER	05-526-11
Carbon Disulfide, ug/L	<2000
Dibromochloromethane, ug/L	<1000
Ethylbenzene, ug/L	<1000
Freon 113, ug/L	3100
Methyl ethyl ketone, ug/L	<5000
Methyl isobutyl ketone, ug/L	<5000
Methylene chloride, ug/L	13000
Styrene, ug/L	<1000
Trichloroethene, ug/L	2800
Trichlorofluoromethane, ug/L	<1000
Toluene, ug/L	<1000
Tetrachloroethene, ug/L	81000
Vinyl acetate, ug/L	<10000
Vinyl chloride, ug/L	<1000
Total Xylene Isomers, ug/L	<3000
cis-1,2-Dichloroethene, ug/L	<1000
cis-1,3-Dichloropropene, ug/L	<1000
trans-1,2-Dichloroethene, ug/L	<1000
trans-1,3-Dichloropropene, ug/L	<1000
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	48000
1,2-Dichloroethane-d4 Theo., ug/L	50000
4-Bromofluorobenzene Rep., ug/L	51100
4-Bromofluorobenzene Theo., ug/L	50000
Toluene-d8 Reported, ug/L	53100
Toluene-d8 Theo., ug/L	50000

B C Analytical

801 Western Avenue
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818/247-9797

LOG NO: G96-05-526

Received: 25 MAY 96
Mailed : 03 JUN 96

Mr. Dennis England
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-12	TB-052496	24 MAY 96

PARAMETER	05-526-12
Vol.Pri.Poll. (8240)	
Date Analyzed	05/30/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1

B C Analytical

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LOG NO: G96-05-526

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Mr. Dennis England
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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-12	TB-052496	24 MAY 96

PARAMETER	05-526-12
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methylene chloride, ug/L	3.0
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	42.9
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	60.0
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.0
Toluene-d8 Theo., ug/L	50.0

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
05-526-13	B-4-25	23 MAY 96
05-526-14	B-4-35	23 MAY 96
05-526-15	B-4-40	23 MAY 96
05-526-16	B-4-50	24 MAY 96

PARAMETER	05-526-13	05-526-14	05-526-15	05-526-16
Sample Held, Not Analyzed	Hold	Hold	Hold	Hold

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-17	SW-052496	24 MAY 96

PARAMETER	05-526-17
B/N,A Ext.Pri.Poll. (8270)	
Date Analyzed	05/30/96
Date Extracted	05/30/96
Dilution Factor, Times	1
1,2,4-Trichlorobenzene, ug/L	<5
1,2-Dichlorobenzene, ug/L	<5
1,2-Diphenylhydrazine, ug/L	<5
1,3-Dichlorobenzene, ug/L	<5
1,4-Dichlorobenzene, ug/L	<5
2,4,5-Trichlorophenol, ug/L	<5
2,4,6-Trichlorophenol, ug/L	<5
2,4-Dichlorophenol, ug/L	<5
2,4-Dimethylphenol, ug/L	<5
2,4-Dinitrophenol, ug/L	<10
2,4-Dinitrotoluene, ug/L	<5
2,6-Dinitrotoluene, ug/L	<5
2-Chloronaphthalene, ug/L	<5
2-Chlorophenol, ug/L	<5
2-Methyl-4,6-dinitrophenol, ug/L	<10
2-Methylnaphthalene, ug/L	<5
2-Methylphenol (o-Cresol), ug/L	<5
2-Nitroaniline, ug/L	<5
2-Nitrophenol, ug/L	<5
3,3'-Dichlorobenzidine, ug/L	<10
3-Nitroaniline, ug/L	<5
4-Bromophenylphenylether, ug/L	<5
4-Chloro-3-methylphenol, ug/L	<5

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-17	SW-052496	24 MAY 96

PARAMETER	05-526-17
4-Chloroaniline, ug/L	<5
4-Chlorophenylphenylether, ug/L	<5
4-Methylphenol (p-Cresol), ug/L	<10
4-Nitroaniline, ug/L	<5
4-Nitrophenol, ug/L	<10
Acenaphthene, ug/L	<5
Acenaphthylene, ug/L	<5
Aniline, ug/L	<5
Anthracene, ug/L	<5
Benzidine, ug/L	<100
Benzo(a)anthracene, ug/L	<5
Benzo(a)pyrene, ug/L	<5
Benzo(b)fluoranthene, ug/L	<5
Benzo(g,h,i)perylene, ug/L	<5
Benzo(k)fluoranthene, ug/L	<5
Benzyl Alcohol, ug/L	<10
Benzoic acid, ug/L	<50
Butylbenzylphthalate, ug/L	<5
Chrysene, ug/L	<5
Di-n-octylphthalate, ug/L	<5
Dibenzo(a,h)anthracene, ug/L	<5
Dibenzofuran, ug/L	<5
Dibutylphthalate, ug/L	<5
Diethylphthalate, ug/L	<5
Dimethylphthalate, ug/L	<5
Fluoranthene, ug/L	<5
Fluorene, ug/L	<5

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-17	SW-052496	24 MAY 96

PARAMETER	05-526-17	
Hexachlorobenzene, ug/L	<5	
Hexachlorobutadiene, ug/L	<5	
Hexachlorocyclopentadiene, ug/L	<10	
Hexachloroethane, ug/L	<5	
Indeno(1,2,3-c,d)pyrene, ug/L	<5	
Isophorone, ug/L	<5	
N-Nitrosodimethylamine, ug/L	<5	
N-Nitrosodiphenylamine, ug/L	<5	
N-Nitrosodi-n-propylamine, ug/L	<5	
Nitrobenzene, ug/L	<5	
Naphthalene, ug/L	<5	
Phenanthrene, ug/L	<5	
Phenol, ug/L	<5	
Pentachlorophenol, ug/L	<10	
Pyrene, ug/L	<5	
Pyridine, ug/L	<10	
Bis(2-chloroethoxy)methane, ug/L	<5	
Bis(2-chloroethyl)ether, ug/L	<5	
Bis(2-chloroisopropyl)ether, ug/L	<5	
Bis(2-ethylhexyl)phthalate, ug/L	110	E
Surrogates **		
2-Fluorobiphenyl Reported, ug/L	73.5	
2-Fluorobiphenyl Theo., ug/L	50.0	
2-Fluorophenol Reported, ug/L	51.9	
2-Fluorophenol Theoretical, ug/L	75.0	
2,4,6-Tribromophenol Rep., ug/L	113	
2,4,6-Tribromophenol Theo., ug/L	75.0	

E = Estimated

B C Analytical

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Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-526-17	SW-052496	24 MAY 96

PARAMETER	05-526-17
Nitrobenzene-d5 Reported, ug/L	62.7
Nitrobenzene-d5 Theoretical, ug/L	50.0
Phenol-d5 Reported, ug/L	49.0
Phenol-d5 Theoretical, ug/L	75.0
Terphenyl-d14 Reported, ug/L	68.9
Terphenyl-d14 Theoretical, ug/L	50.0

Amended Report: Sample date corrected for BCA Log number G96-05-526-7,-8,-9,-10,-11,-12,-16 and -17. Analysis date corrected for Laboratory Control sample for C6053253*1 in EPA Method 8240. (L. Lem 6/96)

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 5/24/96 PAGE 1 OF 1

PROJECT NAME	OM&A
PROJECT No./TASK No.	445.2
PROJECT MANAGER	DENNIS ENGLAND
Phone No.	(714) 453-8085
QA MANAGER	MIKE PALMER
PH FAX No.	(619) 454-0165
SAMPLER (SIGNATURE)	
SAMPLER (PRINTED)	GREG CRANHAM, TOM HENDERSON

SAMPLE CONTAINERS: 40-ML VOA VIAL; 1-L AMBER GLASS; 6" x 6" BRASS TUBE

ANALYSES REQUESTED: EPA 8240; EPA 8270

ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S

SPECIAL HANDLING: HOLD FOR INSTRUCTIONS; RUSH! PRELIMINARY RESULTS BY 5/31/96

LABORATORY INFORMATION: BCA, 801 WESTERN, GLENDALE, CA; G9605526

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	MATRIX: Ground-water	MATRIX: Surface water	PRESERVATION: HCl	PRESERVATION: HNO3	PRESERVATION: NaOH	PRESERVATION: H2SO4	PRESERVATION: Ice
	B-4-5	5/23/96	1023	X							X
	B-4-10		1209	X							X
	B-4-15		1245	X							X
	B-4-20		1305	X							X
	B-4-25		1345	X							X
	B-4-30		1400	X							X
	B-4-35		1440	X							X
	B-4-40		1500	X							X
	B-4-45	↓	1535	X							X

REMARKS: ARROW INDICATES BOTTOM OF SOIL SAMPLE; ANALYZE BOTTOM

Total number of Containers per analysis: 9

Total No. of Containers: 9

Relinquished by:	Date: 5/25/96	Received by:	Date:
Company: H+A	Time: 1050	Company:	Time:
Relinquished by	Date	Received by:	Date: 5/25
Company	Time	Laboratory: BCA 4°C	Time: 1050

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☐ No. of containers correct
- ☐ received good condition/cold
- ☐ custody seals secure
- ☐ conforms to COC document

Shipment Method:

Send Results to: MIKE PALMER

- ☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
- ☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- ☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

HARGIS + ASSOCIATES, INC. **CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM**

DATE 5/24/96 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: DENNIS ENGLAND Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER FAX No. (619) 454-0165

SAMPLER (SIGNATURE):

SAMPLER (PRINTED): GREG CRANHAM, TOM HENDERSON

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-ml VOA VIAL	1-L AMBER GLASS	2"x6" BRASS TUBE	ANALYSES REQUESTED: EPA 8240	EPA 8270	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOAS	SPECIAL HANDLING: HOLD FOR INSTRUCTIONS	RUSH! PRELIMINARY RESULTS BY 5/31/96.	LABORATORY INFORMATION: BCA, 801 WESTERN, GLENDALE, CA, G9605526	REMARKS
	TB-052496	5/24/96	0830				X	X				X	(2)			X						ARGON
	B-4-50		0900	X								X			(1)	X			X			INDICATES
	B-4-55		0940	X								X			(1)	X				X		BOTTOM OF SOIL
	B-4-65		1045	X								X			(1)	X				X		SAMPLE;
	B-4-70		1130	X								X			(1)	X				X		ANALYZE BOTTOM
	B-4-75		1200	X								X			(1)	X				X		
	SW-052496		1220			X						X	(1)				X		X			
	B-4	↓	1402		X			X				X	(2)			X				X		

Total number of Containers per analysis: 4 1 5

Total No. of Containers: 10

Relinquished by	Date	Time	Company	Received by	Date	Time	Company
	5/25/96	1650	H+A				
Relinquished by	Date	Time	Company	Received by: BCA 4°C	Date 5/25	Time 1050	Laboratory

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

☐ No. of containers correct ☐ received good condition/cold

☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121

☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165

☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888

☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9605526 :
: BC ANALYTICAL : GLEN LAB : 15:31:40 14 JUN 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9605526*1	B-4-5	8240.HSL	05.30.96	8240	537-01	9676117	8659
9605526*2	B-4-10	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*3	B-4-15	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*4	B-4-20	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*5	B-4-30	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*6	B-4-45	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*7	B-4-55	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*8	B-4-65	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*9	B-4-70	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*10	B-4-75	8240.HSL	05.31.96	8240	537-01	9676117	8659
9605526*11	B-4	VOA.8240.HSL	05.30.96	8240	537-01	96170	8659
9605526*12	TB-052496	VOA.8240.HSL	05.30.96	8240	537-01	96170	8659
9605526*13	B-4-25	HOLD	05.29.96				6949
9605526*14	B-4-35	HOLD	05.29.96				6949
9605526*15	B-4-40	HOLD	05.29.96				6949
9605526*16	B-4-50	HOLD	05.29.96				6949
9605526*17	SW-052496	BNA.8270.HSL	05.30.96	8270	537-11	9690	6750

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Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1. Volatile Organics C6053533*1						
Date Analyzed	05.31.96	9676117	05/31/96	05/31/96	Date	N/A
Date Calibrated	05.31.96	9676117	05/21/96	05/21/96	Date	N/A
Date Extracted	05.31.96	9676117	05/30/96	05/30/96	Date	N/A
1,1-Dichloroethene	05.31.96	9676117	1.99	2.00	mg/kg	100
Benzene	05.31.96	9676117	2.15	2.00	mg/kg	108
Chlorobenzene	05.31.96	9676117	2.26	2.00	mg/kg	113
Trichloroethene	05.31.96	9676117	2.12	2.00	mg/kg	106
Toluene	05.31.96	9676117	2.16	2.00	mg/kg	108
1,2-Dichloroethane-d4 Rep.	05.31.96	9676117	4.72	5.00	mg/kg	94
1,2-Dichloroethane-d4 Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
4-Bromofluorobenzene Rep.	05.31.96	9676117	5.27	5.00	mg/kg	105
4-Bromofluorobenzene Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
Toluene-d8 Reported	05.31.96	9676117	5.60	5.00	mg/kg	112
Toluene-d8 Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
2. Volatile Organics C6053534*1						
Date Analyzed	05.31.96	9676117	05/31/96	05/31/96	Date	N/A
Date Calibrated	05.31.96	9676117	05/21/96	05/21/96	Date	N/A
Date Extracted	05.31.96	9676117	05/30/96	05/30/96	Date	N/A
[illegible]-Dichloroethene	05.31.96	9676117	1.84	2.00	mg/kg	92
Benzene	05.31.96	9676117	1.97	2.00	mg/kg	99
Chlorobenzene	05.31.96	9676117	2.07	2.00	mg/kg	104
Trichloroethene	05.31.96	9676117	1.99	2.00	mg/kg	100
Toluene	05.31.96	9676117	1.99	2.00	mg/kg	100
1,2-Dichloroethane-d4 Rep.	05.31.96	9676117	4.73	5.00	mg/kg	95
1,2-Dichloroethane-d4 Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
4-Bromofluorobenzene Rep.	05.31.96	9676117	4.78	5.00	mg/kg	96
4-Bromofluorobenzene Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
Toluene-d8 Reported	05.31.96	9676117	4.98	5.00	mg/kg	100
Toluene-d8 Theo.	05.31.96	9676117	5.00	5.00	mg/kg	100
3. Volatile Organics C6053252*1						
Date Analyzed	05.30.96	96170	05/30/96	05/30/96	Date	N/A
Date Calibrated	05.30.96	96170	05/21/96	05/21/96	Date	N/A
1,1,1,2-Tetrachloroethane	05.30.96	96170	49.6	50.0	ug/L	99
1,1,1-Trichloroethane	05.30.96	96170	43.9	50.0	ug/L	88
1,1,2,2-Tetrachloroethane	05.30.96	96170	32.2	50.0	ug/L	64
1,1,2-Trichloroethane	05.30.96	96170	40.7	50.0	ug/L	81
1,1-Dichloroethane	05.30.96	96170	54.1	50.0	ug/L	108
1,1-Dichloroethene	05.30.96	96170	54.6	50.0	ug/L	109
1,1-Dichloropropene	05.30.96	96170	54.0	50.0	ug/L	108
1,2,3-Trichlorobenzene	05.30.96	96170	46.2	50.0	ug/L	92
1,2,3-Trichloropropane	05.30.96	96170	29.5	50.0	ug/L	59
1,2,4-Trichlorobenzene	05.30.96	96170	50.8	50.0	ug/L	102
1,2,4-Trimethylbenzene	05.30.96	96170	48.2	50.0	ug/L	96
[illegible]-Dibromo-3-chloropropane	05.30.96	96170	24.1	50.0	ug/L	48

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1,2-Dibromoethane	05.30.96	96170	36.7	50.0	ug/L	73
1,2-Dichloroethane	05.30.96	96170	40.7	50.0	ug/L	81
1,2-Dichlorobenzene	05.30.96	96170	49.8	50.0	ug/L	100
1,2-Dichloropropane	05.30.96	96170	50.8	50.0	ug/L	102
1,3,5-Trimethylbenzene	05.30.96	96170	49.5	50.0	ug/L	99
1,3-Dichlorobenzene	05.30.96	96170	51.9	50.0	ug/L	104
1,3-Dichloropropane	05.30.96	96170	40.4	50.0	ug/L	81
1,4-Dichlorobenzene	05.30.96	96170	52.1	50.0	ug/L	104
1,4-Dioxane	05.30.96	96170	400	1000	ug/L	40
1-Chlorohexane	05.30.96	96170	105	100	ug/L	105
2,2-Dichloropropane	05.30.96	96170	52.4	50.0	ug/L	105
2-Butanol	05.30.96	96170	85.1	250	ug/L	34
2-Chloroethylvinylether	05.30.96	96170	32.1	50.0	ug/L	64
2-Chlorotoluene	05.30.96	96170	47.3	50.0	ug/L	95
2-Hexanone	05.30.96	96170	28.7	50.0	ug/L	57
3-Chloropropene	05.30.96	96170	122	100	ug/L	122
4-Chlorotoluene	05.30.96	96170	54.4	50.0	ug/L	109
Acetone	05.30.96	96170	30.0	50.0	ug/L	60
Acetonitrile	05.30.96	96170	66.4	250	ug/L	27
Acrolein	05.30.96	96170	68.3	500	ug/L	14
Acrylonitrile	05.30.96	96170	223	500	ug/L	45
Bromobenzene	05.30.96	96170	44.1	50.0	ug/L	88
Bromodichloromethane	05.30.96	96170	43.2	50.0	ug/L	86
Bromomethane	05.30.96	96170	56.6	50.0	ug/L	113
Benzene	05.30.96	96170	56.2	50.0	ug/L	112
Bromoform	05.30.96	96170	36.1	50.0	ug/L	72
Chlorobenzene	05.30.96	96170	51.0	50.0	ug/L	102
Carbon Tetrachloride	05.30.96	96170	46.8	50.0	ug/L	94
Chloroethane	05.30.96	96170	63.5	50.0	ug/L	127
Chloroform	05.30.96	96170	47.0	50.0	ug/L	94
Chloromethane	05.30.96	96170	62.9	50.0	ug/L	126
Carbon Disulfide	05.30.96	96170	59.3	50.0	ug/L	119
Cyclohexane	05.30.96	96170	115	100	ug/L	115
Dibromochloromethane	05.30.96	96170	41.8	50.0	ug/L	84
Dibromomethane	05.30.96	96170	44.3	50.0	ug/L	89
Dichlorodifluoromethane	05.30.96	96170	43.9	50.0	ug/L	88
Diisopropyl ether	05.30.96	96170	109	100	ug/L	109
Ethylbenzene	05.30.96	96170	52.1	50.0	ug/L	104
Ethyl Methacrylate	05.30.96	96170	65.4	100	ug/L	65
Freon 113	05.30.96	96170	55.4	50.0	ug/L	111
Hexachlorobutadiene	05.30.96	96170	57.3	50.0	ug/L	115
Isopropyl Alcohol	05.30.96	96170	90.6	250	ug/L	36
Iodomethane	05.30.96	96170	54.4	50.0	ug/L	109
Isopropylbenzene	05.30.96	96170	51.6	50.0	ug/L	103
Methyl ethyl ketone	05.30.96	96170	30.6	50.0	ug/L	61

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Methyl isobutyl ketone	05.30.96	96170	26.9	50.0	ug/L	54
Methyl-tert-butylether	05.30.96	96170	76.6	100	ug/L	77
Methylene chloride	05.30.96	96170	53.6	50.0	ug/L	107
Methyl Methacrylate	05.30.96	96170	58.9	50.0	ug/L	118
N-Butylbenzene	05.30.96	96170	50.8	50.0	ug/L	102
N-Propylbenzene	05.30.96	96170	49.8	50.0	ug/L	100
Naphthalene	05.30.96	96170	32.3	50.0	ug/L	65
Propanenitrile	05.30.96	96170	126	250	ug/L	50
Styrene	05.30.96	96170	51.0	50.0	ug/L	102
Trichloroethene	05.30.96	96170	54.9	50.0	ug/L	110
Trichlorofluoromethane	05.30.96	96170	45.8	50.0	ug/L	92
Thiophene	05.30.96	96170	108	100	ug/L	108
Toluene	05.30.96	96170	52.0	50.0	ug/L	104
Tetrachloroethene	05.30.96	96170	59.9	50.0	ug/L	120
Vinyl acetate	05.30.96	96170	58.7	50.0	ug/L	117
Vinyl chloride	05.30.96	96170	63.1	50.0	ug/L	126
Total Xylene Isomers	05.30.96	96170	155	150	ug/L	103
cis-1,2-Dichloroethene	05.30.96	96170	51.9	50.0	ug/L	104
cis-1,3-Dichloropropene	05.30.96	96170	43.2	50.0	ug/L	86
m and p-Xylene Isomers	05.30.96	96170	102	100	ug/L	102
o-Xylene	05.30.96	96170	53.0	50.0	ug/L	106
p-Isopropyl toluene	05.30.96	96170	50.6	50.0	ug/L	101
sec-Butylbenzene	05.30.96	96170	51.3	50.0	ug/L	103
trans-1,2-Dichloroethene	05.30.96	96170	55.4	50.0	ug/L	111
trans-1,3-Dichloropropene	05.30.96	96170	38.7	50.0	ug/L	77
trans-1,4-Dichloro-2-butene	05.30.96	96170	63.7	100	ug/L	64
tert-Butylbenzene	05.30.96	96170	49.8	50.0	ug/L	100
1,2-Dichloroethane-d4 Rep.	05.30.96	96170	40.9	50.0	ug/L	82
1,2-Dichloroethane-d4 Theo.	05.30.96	96170	50.0	50.0	ug/L	100
4-Bromofluorobenzene Rep.	05.30.96	96170	44.9	50.0	ug/L	90
4-Bromofluorobenzene Theo.	05.30.96	96170	50.0	50.0	ug/L	100
Toluene-d8 Reported	05.30.96	96170	50.1	50.0	ug/L	100
Toluene-d8 Theo.	05.30.96	96170	50.0	50.0	ug/L	100
4. Volatile Organics C6053253*1						
Date Analyzed	05.30.96	96170	05/30/96	05/30/96	Date	N/A
Date Calibrated	05.30.96	96170	05/21/96	05/21/96	Date	N/A
1,1,1,2-Tetrachloroethane	05.30.96	96170	47.6	50.0	ug/L	95
1,1,1-Trichloroethane	05.30.96	96170	37.1	50.0	ug/L	74
1,1,2,2-Tetrachloroethane	05.30.96	96170	51.0	50.0	ug/L	102
1,1,2-Trichloroethane	05.30.96	96170	50.2	50.0	ug/L	100
1,1-Dichloroethane	05.30.96	96170	46.7	50.0	ug/L	93
1,1-Dichloroethene	05.30.96	96170	45.1	50.0	ug/L	90
1,1-Dichloropropene	05.30.96	96170	48.5	50.0	ug/L	97
1,2,3-Trichlorobenzene	05.30.96	96170	51.4	50.0	ug/L	103
1,2,3-Trichloropropane	05.30.96	96170	46.5	50.0	ug/L	93

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1,2,4-Trichlorobenzene	05.30.96	96170	52.5	50.0	ug/L	105
1,2,4-Trimethylbenzene	05.30.96	96170	46.1	50.0	ug/L	92
1,2-Dibromo-3-chloropropane	05.30.96	96170	47.0	50.0	ug/L	94
1,2-Dibromoethane	05.30.96	96170	48.1	50.0	ug/L	96
1,2-Dichloroethane	05.30.96	96170	43.2	50.0	ug/L	86
1,2-Dichlorobenzene	05.30.96	96170	50.9	50.0	ug/L	102
1,2-Dichloropropane	05.30.96	96170	50.3	50.0	ug/L	101
1,3,5-Trimethylbenzene	05.30.96	96170	46.4	50.0	ug/L	93
1,3-Dichlorobenzene	05.30.96	96170	51.2	50.0	ug/L	102
1,3-Dichloropropane	05.30.96	96170	49.5	50.0	ug/L	99
1,4-Dichlorobenzene	05.30.96	96170	50.9	50.0	ug/L	102
1,4-Dioxane	05.30.96	96170	981	1000	ug/L	98
1-Chlorohexane	05.30.96	96170	98.3	100	ug/L	98
2,2-Dichloropropane	05.30.96	96170	39.6	50.0	ug/L	79
2-Butanol	05.30.96	96170	222	250	ug/L	89
2-Chloroethylvinylether	05.30.96	96170	51.0	50.0	ug/L	102
2-Chlorotoluene	05.30.96	96170	50.1	50.0	ug/L	100
2-Hexanone	05.30.96	96170	42.4	50.0	ug/L	85
3-Chloropropene	05.30.96	96170	103	100	ug/L	103
4-Chlorotoluene	05.30.96	96170	46.8	50.0	ug/L	94
Acetone	05.30.96	96170	35.7	50.0	ug/L	71
Acetonitrile	05.30.96	96170	109	250	ug/L	44
Acrolein	05.30.96	96170	305	500	ug/L	61
Acrylonitrile	05.30.96	96170	440	500	ug/L	88
Bromobenzene	05.30.96	96170	45.5	50.0	ug/L	91
Bromodichloromethane	05.30.96	96170	45.4	50.0	ug/L	91
Bromomethane	05.30.96	96170	45.5	50.0	ug/L	91
Benzene	05.30.96	96170	52.5	50.0	ug/L	105
Bromoform	05.30.96	96170	48.1	50.0	ug/L	96
Chlorobenzene	05.30.96	96170	51.1	50.0	ug/L	102
Carbon Tetrachloride	05.30.96	96170	35.9	50.0	ug/L	72
Chloroethane	05.30.96	96170	49.3	50.0	ug/L	99
Chloroform	05.30.96	96170	41.2	50.0	ug/L	82
Chloromethane	05.30.96	96170	38.5	50.0	ug/L	77
Carbon Disulfide	05.30.96	96170	48.7	50.0	ug/L	97
Cyclohexane	05.30.96	96170	98.0	100	ug/L	98
Dibromochloromethane	05.30.96	96170	47.7	50.0	ug/L	95
Dibromomethane	05.30.96	96170	52.1	50.0	ug/L	104
Dichlorodifluoromethane	05.30.96	96170	35.1	50.0	ug/L	70
Diisopropyl ether	05.30.96	96170	101	100	ug/L	101
Ethylbenzene	05.30.96	96170	48.8	50.0	ug/L	98
Ethyl Methacrylate	05.30.96	96170	95.1	100	ug/L	95
Freon 113	05.30.96	96170	45.1	50.0	ug/L	90
Hexachlorobutadiene	05.30.96	96170	54.5	50.0	ug/L	109
Isopropyl Alcohol	05.30.96	96170	240	250	ug/L	96

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Iodomethane	05.30.96	96170	44.7	50.0	ug/L	89
Isopropylbenzene	05.30.96	96170	47.2	50.0	ug/L	94
Methyl ethyl ketone	05.30.96	96170	42.3	50.0	ug/L	85
Methyl isobutyl ketone	05.30.96	96170	50.9	50.0	ug/L	102
Methyl-tert-butylether	05.30.96	96170	81.8	100	ug/L	82
Methylene chloride	05.30.96	96170	46.7	50.0	ug/L	93
Methyl Methacrylate	05.30.96	96170	93.9	100	ug/L	94
N-Butylbenzene	05.30.96	96170	47.4	50.0	ug/L	95
N-Propylbenzene	05.30.96	96170	47.0	50.0	ug/L	94
Naphthalene	05.30.96	96170	50.8	50.0	ug/L	102
Propanenitrile	05.30.96	96170	252	250	ug/L	101
Styrene	05.30.96	96170	49.9	50.0	ug/L	100
Trichloroethene	05.30.96	96170	49.7	50.0	ug/L	99
Trichlorofluoromethane	05.30.96	96170	37.6	50.0	ug/L	75
Thiophene	05.30.96	96170	103	100	ug/L	103
Toluene	05.30.96	96170	50.9	50.0	ug/L	102
Tetrachloroethene	05.30.96	96170	54.2	50.0	ug/L	108
Vinyl acetate	05.30.96	96170	63.5	50.0	ug/L	127
Vinyl chloride	05.30.96	96170	47.9	50.0	ug/L	96
Total Xylene Isomers	05.30.96	96170	147	150	ug/L	98
cis-1,2-Dichloroethene	05.30.96	96170	45.4	50.0	ug/L	91
cis-1,3-Dichloropropene	05.30.96	96170	48.1	50.0	ug/L	96
m- and p-Xylene Isomers	05.30.96	96170	96.9	100	ug/L	97
o-Xylene	05.30.96	96170	50.4	50.0	ug/L	101
p-Isopropyl toluene	05.30.96	96170	46.3	50.0	ug/L	93
sec-Butylbenzene	05.30.96	96170	47.5	50.0	ug/L	95
trans-1,2-Dichloroethene	05.30.96	96170	46.3	50.0	ug/L	93
trans-1,3-Dichloropropene	05.30.96	96170	46.0	50.0	ug/L	92
trans-1,4-Dichloro-2-butene	05.30.96	96170	92.8	100	ug/L	93
tert-Butylbenzene	05.30.96	96170	46.3	50.0	ug/L	93
1,2-Dichloroethane-d4 Rep.	05.30.96	96170	39.6	50.0	ug/L	79
1,2-Dichloroethane-d4 Theo.	05.30.96	96170	50.0	50.0	ug/L	100
4-Bromofluorobenzene Rep.	05.30.96	96170	44.8	50.0	ug/L	90
4-Bromofluorobenzene Theo.	05.30.96	96170	50.0	50.0	ug/L	100
Toluene-d8 Reported	05.30.96	96170	50.5	50.0	ug/L	101
Toluene-d8 Theo.	05.30.96	96170	50.0	50.0	ug/L	100
5. BNA Extractables C6053241*1						
Date Analyzed	05.30.96	9690	05/30/96	05/30/96	Date	N/A
Date Extracted	05.30.96	9690	05/30/96	05/30/96	Date	N/A
1,2,4-Trichlorobenzene	05.30.96	9690	69.3	100	ug/L	69
1,2-Dichlorobenzene	05.30.96	9690	74.5	100	ug/L	75
1,2-Diphenylhydrazine	05.30.96	9690	67.6	100	ug/L	68
1,3-Dichlorobenzene	05.30.96	9690	61.0	100	ug/L	61
1,4-Dichlorobenzene	05.30.96	9690	65.7	100	ug/L	66
2,4,5-Trichlorophenol	05.30.96	9690	82.9	100	ug/L	83

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
2,4,6-Trichlorophenol	05.30.96	9690	79.8	100	ug/L	80
2,4-Dichlorophenol	05.30.96	9690	77.6	100	ug/L	78
2,4-Dimethylphenol	05.30.96	9690	67.1	100	ug/L	67
2,4-Dinitrophenol	05.30.96	9690	57.6	100	ug/L	58
2,4-Dinitrotoluene	05.30.96	9690	105	100	ug/L	105
2,6-Dinitrotoluene	05.30.96	9690	67.3	100	ug/L	67
2-Chloronaphthalene	05.30.96	9690	76.2	100	ug/L	76
2-Chlorophenol	05.30.96	9690	67.2	100	ug/L	67
2-Methyl-4,6-dinitrophenol	05.30.96	9690	60.6	100	ug/L	61
2-Methylnaphthalene	05.30.96	9690	73.2	100	ug/L	73
2-Methylphenol (o-Cresol)	05.30.96	9690	56.3	100	ug/L	56
2-Nitroaniline	05.30.96	9690	76.5	100	ug/L	77
2-Nitrophenol	05.30.96	9690	67.8	100	ug/L	68
3,3'-Dichlorobenzidine	05.30.96	9690	78.0	200	ug/L	39
3-Nitroaniline	05.30.96	9690	78.7	100	ug/L	79
4-Bromophenylphenylether	05.30.96	9690	90.9	100	ug/L	91
4-Chloro-3-methylphenol	05.30.96	9690	78.5	100	ug/L	79
4-Chloroaniline	05.30.96	9690	89.1	100	ug/L	89
4-Chlorophenylphenylether	05.30.96	9690	71.0	100	ug/L	71
4-Methylphenol (p-Cresol)	05.30.96	9690	62.0	100	ug/L	62
4-Nitroaniline	05.30.96	9690	92.9	100	ug/L	93
4-Nitrophenol	05.30.96	9690	44.1	100	ug/L	44
Acenaphthene	05.30.96	9690	69.7	100	ug/L	70
Acenaphthylene	05.30.96	9690	73.5	100	ug/L	74
Aniline	05.30.96	9690	72.7	100	ug/L	73
Anthracene	05.30.96	9690	63.9	100	ug/L	64
Benzidine	05.30.96	9690	46.7	200	ug/L	23
Benzo(a)anthracene	05.30.96	9690	88.6	100	ug/L	89
Benzo(a)pyrene	05.30.96	9690	89.0	100	ug/L	89
Benzo(b)fluoranthene	05.30.96	9690	78.0	100	ug/L	78
Benzo(g,h,i)perylene	05.30.96	9690	95.7	100	ug/L	96
Benzo(k)fluoranthene	05.30.96	9690	82.5	100	ug/L	83
Benzyl Alcohol	05.30.96	9690	84.1	100	ug/L	84
Benzoic acid	05.30.96	9690	30.3	200	ug/L	15
Butylbenzylphthalate	05.30.96	9690	101	100	ug/L	101
Chrysene	05.30.96	9690	84.0	100	ug/L	84
Di-n-octylphthalate	05.30.96	9690	90.3	100	ug/L	90
Dibenzo(a,h)anthracene	05.30.96	9690	87.9	100	ug/L	88
Dibenzofuran	05.30.96	9690	87.1	100	ug/L	87
Dibutylphthalate	05.30.96	9690	71.2	100	ug/L	71
Diethylphthalate	05.30.96	9690	85.3	100	ug/L	85
Dimethylphthalate	05.30.96	9690	84.0	100	ug/L	84
Fluoranthene	05.30.96	9690	69.1	100	ug/L	69
Fluorene	05.30.96	9690	78.9	100	ug/L	79
Hexachlorobenzene	05.30.96	9690	93.2	100	ug/L	93

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Hexachlorobutadiene	05.30.96	9690	72.6	100	ug/L	73
Hexachlorocyclopentadiene	05.30.96	9690	46.7	100	ug/L	47
Hexachloroethane	05.30.96	9690	60.4	100	ug/L	60
Indeno(1,2,3-c,d)pyrene	05.30.96	9690	92.4	100	ug/L	92
Isophorone	05.30.96	9690	67.2	100	ug/L	67
N-Nitrosodimethylamine	05.30.96	9690	-57.1	100	ug/L	57
N-Nitrosodiphenylamine	05.30.96	9690	50.7	100	ug/L	51
N-Nitrosodi-n-propylamine	05.30.96	9690	65.0	100	ug/L	65
Nitrobenzene	05.30.96	9690	71.2	100	ug/L	71
Naphthalene	05.30.96	9690	62.9	100	ug/L	63
Phenanthrene	05.30.96	9690	72.1	100	ug/L	72
Phenol	05.30.96	9690	47.6	100	ug/L	48
Pentachlorophenol	05.30.96	9690	56.6	100	ug/L	57
Pyrene	05.30.96	9690	89.1	100	ug/L	89
Bis(2-chloroethoxy)methane	05.30.96	9690	55.6	100	ug/L	56
Bis(2-chloroethyl)ether	05.30.96	9690	70.2	100	ug/L	70
Bis(2-chloroisopropyl)ether	05.30.96	9690	51.4	100	ug/L	51
Bis(2-ethylhexyl)phthalate	05.30.96	9690	101	100	ug/L	101
2-Fluorobiphenyl Reported	05.30.96	9690	40.0	50.0	ug/L	80
2-Fluorobiphenyl Theo.	05.30.96	9690	50.0	50.0	ug/L	100
2-Fluorophenol Reported	05.30.96	9690	47.5	75.0	ug/L	63
2-Fluorophenol Theoretical	05.30.96	9690	75.0	75.0	ug/L	100
2,4,6-Tribromophenol Rep.	05.30.96	9690	55.6	75.0	ug/L	74
2,4,6-Tribromophenol Theo.	05.30.96	9690	75.0	75.0	ug/L	100
Nitrobenzene-d5 Reported	05.30.96	9690	34.7	50.0	ug/L	69
Nitrobenzene-d5 Theoretical	05.30.96	9690	50.0	50.0	ug/L	100
Phenol-d5 Reported	05.30.96	9690	42.0	75.0	ug/L	56
Phenol-d5 Theoretical	05.30.96	9690	75.0	75.0	ug/L	100
Terphenyl-d14 Reported	05.30.96	9690	45.3	50.0	ug/L	91
Terphenyl-d14 Theoretical	05.30.96	9690	50.0	50.0	ug/L	100
6. BNA Extractables C6053242*1						
Date Analyzed	05.30.96	9690	05/30/96	05/30/96	Date	N/A
Date Extracted	05.30.96	9690	05/30/96	05/30/96	Date	N/A
1,2,4-Trichlorobenzene	05.30.96	9690	70.4	100	ug/L	70
1,2-Dichlorobenzene	05.30.96	9690	78.3	100	ug/L	78
1,2-Diphenylhydrazine	05.30.96	9690	64.9	100	ug/L	65
1,3-Dichlorobenzene	05.30.96	9690	64.3	100	ug/L	64
1,4-Dichlorobenzene	05.30.96	9690	69.1	100	ug/L	69
2,4,5-Trichlorophenol	05.30.96	9690	81.0	100	ug/L	81
2,4,6-Trichlorophenol	05.30.96	9690	79.7	100	ug/L	80
2,4-Dichlorophenol	05.30.96	9690	78.2	100	ug/L	78
2,4-Dimethylphenol	05.30.96	9690	66.4	100	ug/L	66
2,4-Dinitrophenol	05.30.96	9690	48.6	100	ug/L	49
2,4-Dinitrotoluene	05.30.96	9690	98.7	100	ug/L	99
2,6-Dinitrotoluene	05.30.96	9690	65.9	100	ug/L	66

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LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
2-Chloronaphthalene	05.30.96	9690	75.9	100	ug/L	76
2-Chlorophenol	05.30.96	9690	68.6	100	ug/L	69
2-Methyl-4,6-dinitrophenol	05.30.96	9690	54.7	100	ug/L	55
2-Methylnaphthalene	05.30.96	9690	73.4	100	ug/L	73
2-Methylphenol (o-Cresol)	05.30.96	9690	56.7	100	ug/L	57
2-Nitroaniline	05.30.96	9690	74.8	100	ug/L	75
2-Nitrophenol	05.30.96	9690	67.7	100	ug/L	68
3,3'-Dichlorobenzidine	05.30.96	9690	70.9	200	ug/L	35
3-Nitroaniline	05.30.96	9690	76.4	100	ug/L	76
4-Bromophenylphenylether	05.30.96	9690	86.1	100	ug/L	86
4-Chloro-3-methylphenol	05.30.96	9690	77.5	100	ug/L	78
4-Chloroaniline	05.30.96	9690	88.9	100	ug/L	89
4-Chlorophenylphenylether	05.30.96	9690	69.2	100	ug/L	69
4-Methylphenol (p-Cresol)	05.30.96	9690	61.7	100	ug/L	62
4-Nitroaniline	05.30.96	9690	87.2	100	ug/L	87
4-Nitrophenol	05.30.96	9690	43.9	100	ug/L	44
Acenaphthene	05.30.96	9690	69.4	100	ug/L	69
Acenaphthylene	05.30.96	9690	72.7	100	ug/L	73
Aniline	05.30.96	9690	75.8	100	ug/L	76
Anthracene	05.30.96	9690	58.5	100	ug/L	59
Benzidine	05.30.96	9690	48.1	200	ug/L	24
Benzo(a)anthracene	05.30.96	9690	81.1	100	ug/L	81
Benzo(a)pyrene	05.30.96	9690	83.4	100	ug/L	83
Benzo(b)fluoranthene	05.30.96	9690	77.4	100	ug/L	77
Benzo(g,h,i)perylene	05.30.96	9690	81.9	100	ug/L	82
Benzo(k)fluoranthene	05.30.96	9690	82.2	100	ug/L	82
Benzyl Alcohol	05.30.96	9690	84.6	100	ug/L	85
Benzoic acid	05.30.96	9690	32.0	200	ug/L	16
Butylbenzylphthalate	05.30.96	9690	93.9	100	ug/L	94
Chrysene	05.30.96	9690	76.2	100	ug/L	76
Di-n-octylphthalate	05.30.96	9690	87.9	100	ug/L	88
Dibenzo(a,h)anthracene	05.30.96	9690	76.4	100	ug/L	76
Dibenzofuran	05.30.96	9690	85.8	100	ug/L	86
Dibutylphthalate	05.30.96	9690	66.1	100	ug/L	66
Diethylphthalate	05.30.96	9690	81.4	100	ug/L	81
Dimethylphthalate	05.30.96	9690	80.5	100	ug/L	81
Fluoranthene	05.30.96	9690	64.0	100	ug/L	64
Fluorene	05.30.96	9690	77.8	100	ug/L	78
Hexachlorobenzene	05.30.96	9690	87.3	100	ug/L	87
Hexachlorobutadiene	05.30.96	9690	74.4	100	ug/L	74
Hexachlorocyclopentadiene	05.30.96	9690	46.4	100	ug/L	46
Hexachloroethane	05.30.96	9690	65.5	100	ug/L	66
Indeno(1,2,3-c,d)pyrene	05.30.96	9690	80.1	100	ug/L	80
Isophorone	05.30.96	9690	66.9	100	ug/L	67
N-Nitrosodimethylamine	05.30.96	9690	53.8	100	ug/L	54

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
N-Nitrosodiphenylamine	05.30.96	9690	47.3	100	ug/L	47
N-Nitrosodi-n-propylamine	05.30.96	9690	83.0	100	ug/L	83
Nitrobenzene	05.30.96	9690	71.6	100	ug/L	72
Naphthalene	05.30.96	9690	63.5	100	ug/L	64
Phenanthrene	05.30.96	9690	67.6	100	ug/L	68
Phenol	05.30.96	9690	48.0	100	ug/L	48
Pentachlorophenol	05.30.96	9690	50.8	100	ug/L	51
Pyrene	05.30.96	9690	81.8	100	ug/L	82
Bis(2-chloroethoxy)methane	05.30.96	9690	55.3	100	ug/L	55
Bis(2-chloroethyl)ether	05.30.96	9690	70.7	100	ug/L	71
Bis(2-chloroisopropyl)ether	05.30.96	9690	52.4	100	ug/L	52
Bis(2-ethylhexyl)phthalate	05.30.96	9690	92.7	100	ug/L	93
2-Fluorobiphenyl Reported	05.30.96	9690	38.2	50.0	ug/L	76
2-Fluorobiphenyl Theo.	05.30.96	9690	50.0	50.0	ug/L	100
2-Fluorophenol Reported	05.30.96	9690	46.3	75.0	ug/L	62
2-Fluorophenol Theoretical	05.30.96	9690	75.0	75.0	ug/L	100
2,4,6-Tribromophenol Rep.	05.30.96	9690	51.7	75.0	ug/L	69
2,4,6-Tribromophenol Theo.	05.30.96	9690	75.0	75.0	ug/L	100
Nitrobenzene-d5 Reported	05.30.96	9690	33.3	50.0	ug/L	67
[redacted]trobenzene-d5 Theoretical	05.30.96	9690	50.0	50.0	ug/L	100
Phenol-d5 Reported	05.30.96	9690	40.1	75.0	ug/L	53
Phenol-d5 Theoretical	05.30.96	9690	75.0	75.0	ug/L	100
Terphenyl-d14 Reported	05.30.96	9690	41.4	50.0	ug/L	83
Terphenyl-d14 Theoretical	05.30.96	9690	50.0	50.0	ug/L	100

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DATE REPORTED : 06/14/96

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
1. Volatile Organics							
Date Analyzed		05.31.96	9676117	05/31/96	05/31/96	Date	N/A
Date Calibrated		05.31.96	9676117	05/21/96	05/21/96	Date	N/A
Date Extracted		05.31.96	9676117	05/30/96	05/30/96	Date	N/A
1,1-Dichloroethene		05.31.96	9676117	1.99	1.84	mg/kg	8
Benzene		05.31.96	9676117	2.15	1.97	mg/kg	9
Chlorobenzene		05.31.96	9676117	2.26	2.07	mg/kg	9
Trichloroethene		05.31.96	9676117	2.12	1.99	mg/kg	6
Toluene		05.31.96	9676117	2.16	1.99	mg/kg	8
1,2-Dichloroethane-d4 Rep.		05.31.96	9676117	4.72	4.73	mg/kg	0
1,2-Dichloroethane-d4 Theo.		05.31.96	9676117	5.00	5.00	mg/kg	0
4-Bromofluorobenzene Rep.		05.31.96	9676117	5.27	4.78	mg/kg	10
4-Bromofluorobenzene Theo.		05.31.96	9676117	5.00	5.00	mg/kg	0
Toluene-d8 Reported		05.31.96	9676117	5.60	4.98	mg/kg	12
Toluene-d8 Theo.		05.31.96	9676117	5.00	5.00	mg/kg	0
2. Volatile Organics							
Date Analyzed		05.30.96	96170	05/30/96	05/30/96	Date	N/A
Date Calibrated		05.30.96	96170	05/21/96	05/21/96	Date	N/A
1,1,1,2-Tetrachloroethane		05.30.96	96170	49.6	47.6	ug/L	4
1,1,1-Trichloroethane		05.30.96	96170	43.9	37.1	ug/L	17
1,1,2,2-Tetrachloroethane		05.30.96	96170	32.2	51.0	ug/L	45
1,1,2-Trichloroethane		05.30.96	96170	40.7	50.2	ug/L	21
1,1-Dichloroethane		05.30.96	96170	54.1	46.7	ug/L	15
1,1-Dichloroethene		05.30.96	96170	54.6	45.1	ug/L	19
1,1-Dichloropropene		05.30.96	96170	54.0	48.5	ug/L	11
1,2,3-Trichlorobenzene		05.30.96	96170	46.2	51.4	ug/L	11
1,2,3-Trichloropropane		05.30.96	96170	29.5	46.5	ug/L	45
1,2,4-Trichlorobenzene		05.30.96	96170	50.8	52.5	ug/L	3
1,2,4-Trimethylbenzene		05.30.96	96170	48.2	46.1	ug/L	4
1,2-Dibromo-3-chloropropane		05.30.96	96170	24.1	47.0	ug/L	64
1,2-Dibromoethane		05.30.96	96170	36.7	48.1	ug/L	27
1,2-Dichloroethane		05.30.96	96170	40.7	43.2	ug/L	6
1,2-Dichlorobenzene		05.30.96	96170	49.8	50.9	ug/L	2
1,2-Dichloropropane		05.30.96	96170	50.8	50.3	ug/L	1
1,3,5-Trimethylbenzene		05.30.96	96170	49.5	46.4	ug/L	6
1,3-Dichlorobenzene		05.30.96	96170	51.9	51.2	ug/L	1
1,3-Dichloropropane		05.30.96	96170	40.4	49.5	ug/L	20
1,4-Dichlorobenzene		05.30.96	96170	52.1	50.9	ug/L	2
1,4-Dioxane		05.30.96	96170	400	981	ug/L	84
1-Chlorohexane		05.30.96	96170	105	98.3	ug/L	7
2,2-Dichloropropane		05.30.96	96170	52.4	39.6	ug/L	28
2-Butanol		05.30.96	96170	85.1	222	ug/L	89
2-Chloroethylvinylether		05.30.96	96170	32.1	51.0	ug/L	45
2-Chlorotoluene		05.30.96	96170	47.3	50.1	ug/L	6
2-Hexanone		05.30.96	96170	28.7	42.4	ug/L	39

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DATE REPORTED : 06/14/96

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
3-Chloropropene		05.30.96	96170	122	103	ug/L	17
4-Chlorotoluene		05.30.96	96170	54.4	46.8	ug/L	15
Acetone		05.30.96	96170	30.0	35.7	ug/L	17
Acetonitrile		05.30.96	96170	66.4	109	ug/L	49
Acrolein		05.30.96	96170	68.3	305	ug/L	127
Acrylonitrile		05.30.96	96170	223	440	ug/L	65
Bromobenzene		05.30.96	96170	44.1	45.5	ug/L	3
Bromodichloromethane		05.30.96	96170	43.2	45.4	ug/L	5
Bromomethane		05.30.96	96170	56.6	45.5	ug/L	22
Benzene		05.30.96	96170	56.2	52.5	ug/L	7
Bromoform		05.30.96	96170	36.1	48.1	ug/L	29
Chlorobenzene		05.30.96	96170	51.0	51.1	ug/L	0
Carbon Tetrachloride		05.30.96	96170	46.8	35.9	ug/L	26
Chloroethane		05.30.96	96170	63.5	49.3	ug/L	25
Chloroform		05.30.96	96170	47.0	41.2	ug/L	13
Chloromethane		05.30.96	96170	62.9	38.5	ug/L	48
Carbon Disulfide		05.30.96	96170	59.3	48.7	ug/L	20
Cyclohexane		05.30.96	96170	115	98.0	ug/L	16
Dibromochloromethane		05.30.96	96170	41.8	47.7	ug/L	13
[illegible]romomethane		05.30.96	96170	44.3	52.1	ug/L	16
Dichlorodifluoromethane		05.30.96	96170	43.9	35.1	ug/L	22
Diisopropyl ether		05.30.96	96170	109	101	ug/L	8
Ethylbenzene		05.30.96	96170	52.1	48.8	ug/L	7
Ethyl Methacrylate		05.30.96	96170	65.4	95.1	ug/L	37
Freon 113		05.30.96	96170	55.4	45.1	ug/L	20
Hexachlorobutadiene		05.30.96	96170	57.3	54.5	ug/L	5
Isopropyl Alcohol		05.30.96	96170	90.6	240	ug/L	90
Iodomethane		05.30.96	96170	54.4	44.7	ug/L	20
Isopropylbenzene		05.30.96	96170	51.6	47.2	ug/L	9
Methyl ethyl ketone		05.30.96	96170	30.6	42.3	ug/L	32
Methyl isobutyl ketone		05.30.96	96170	26.9	50.9	ug/L	62
Methyl-tert-butylether		05.30.96	96170	76.6	81.8	ug/L	7
Methylene chloride		05.30.96	96170	53.6	46.7	ug/L	14
N-Butylbenzene		05.30.96	96170	50.8	47.4	ug/L	7
N-Propylbenzene		05.30.96	96170	49.8	47.0	ug/L	6
Naphthalene		05.30.96	96170	32.3	50.8	ug/L	45
Propanenitrile		05.30.96	96170	126	252	ug/L	67
Styrene		05.30.96	96170	51.0	49.9	ug/L	2
Trichloroethene		05.30.96	96170	54.9	49.7	ug/L	10
Trichlorofluoromethane		05.30.96	96170	45.8	37.6	ug/L	20
Thiophene		05.30.96	96170	108	103	ug/L	5
Toluene		05.30.96	96170	52.0	50.9	ug/L	2
Tetrachloroethene		05.30.96	96170	59.9	54.2	ug/L	10
Vinyl acetate		05.30.96	96170	58.7	63.5	ug/L	8
[illegible]yl chloride		05.30.96	96170	63.1	47.9	ug/L	27

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Total Xylene Isomers		05.30.96	96170	155	147	ug/L	5
cis-1,2-Dichloroethene		05.30.96	96170	51.9	45.4	ug/L	13
cis-1,3-Dichloropropene		05.30.96	96170	43.2	48.1	ug/L	11
m- and p-Xylene Isomers		05.30.96	96170	102	96.9	ug/L	5
o-Xylene		05.30.96	96170	53.0	50.4	ug/L	5
p-Isopropyl toluene		05.30.96	96170	50.6	46.3	ug/L	9
sec-Butylbenzene		05.30.96	96170	51.3	47.5	ug/L	8
trans-1,2-Dichloroethene		05.30.96	96170	55.4	46.3	ug/L	18
trans-1,3-Dichloropropene		05.30.96	96170	38.7	46.0	ug/L	17
trans-1,4-Dichloro-2-butene		05.30.96	96170	63.7	92.8	ug/L	37
tert-Butylbenzene		05.30.96	96170	49.8	46.3	ug/L	7
1,2-Dichloroethane-d4 Rep.		05.30.96	96170	40.9	39.6	ug/L	3
1,2-Dichloroethane-d4 Theo.		05.30.96	96170	50.0	50.0	ug/L	0
4-Bromofluorobenzene Rep.		05.30.96	96170	44.9	44.8	ug/L	0
4-Bromofluorobenzene Theo.		05.30.96	96170	50.0	50.0	ug/L	0
Toluene-d8 Reported		05.30.96	96170	50.1	50.5	ug/L	1
Toluene-d8 Theo.		05.30.96	96170	50.0	50.0	ug/L	0
3. BNA Extractables							
Date Analyzed		05.30.96	9690	05/30/96	05/30/96	Date	N/A
Date Extracted		05.30.96	9690	05/30/96	05/30/96	Date	N/A
1,2,4-Trichlorobenzene		05.30.96	9690	69.3	70.4	ug/L	2
1,2-Dichlorobenzene		05.30.96	9690	74.5	78.3	ug/L	5
1,2-Diphenylhydrazine		05.30.96	9690	67.6	64.9	ug/L	4
1,3-Dichlorobenzene		05.30.96	9690	61.0	64.3	ug/L	5
1,4-Dichlorobenzene		05.30.96	9690	65.7	69.1	ug/L	5
2,4,5-Trichlorophenol		05.30.96	9690	82.9	81.0	ug/L	2
2,4,6-Trichlorophenol		05.30.96	9690	79.8	79.7	ug/L	0
2,4-Dichlorophenol		05.30.96	9690	77.6	78.2	ug/L	1
2,4-Dimethylphenol		05.30.96	9690	67.1	66.4	ug/L	1
2,4-Dinitrophenol		05.30.96	9690	57.6	48.6	ug/L	17
2,4-Dinitrotoluene		05.30.96	9690	105	98.7	ug/L	6
2,6-Dinitrotoluene		05.30.96	9690	67.3	65.9	ug/L	2
2-Chloronaphthalene		05.30.96	9690	76.2	75.9	ug/L	0
2-Chlorophenol		05.30.96	9690	67.2	68.6	ug/L	2
2-Methyl-4,6-dinitrophenol		05.30.96	9690	60.6	54.7	ug/L	10
2-Methylnaphthalene		05.30.96	9690	73.2	73.4	ug/L	0
2-Methylphenol (o-Cresol)		05.30.96	9690	56.3	56.7	ug/L	1
2-Nitroaniline		05.30.96	9690	76.5	74.8	ug/L	2
2-Nitrophenol		05.30.96	9690	67.8	67.7	ug/L	0
3,3'-Dichlorobenzidine		05.30.96	9690	78.0	70.9	ug/L	10
3-Nitroaniline		05.30.96	9690	78.7	76.4	ug/L	3
4-Bromophenylphenylether		05.30.96	9690	90.9	86.1	ug/L	5
4-Chloro-3-methylphenol		05.30.96	9690	78.5	77.5	ug/L	1
4-Chloroaniline		05.30.96	9690	89.1	88.9	ug/L	0
4-Chlorophenylphenylether		05.30.96	9690	71.0	69.2	ug/L	3

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
4-Methylphenol (p-Cresol)		05.30.96	9690	62.0	61.7	ug/L	0
4-Nitroaniline		05.30.96	9690	92.9	87.2	ug/L	6
4-Nitrophenol		05.30.96	9690	44.1	43.9	ug/L	0
Acenaphthene		05.30.96	9690	69.7	69.4	ug/L	0
Acenaphthylene		05.30.96	9690	73.5	72.7	ug/L	1
Aniline		05.30.96	9690	72.7	75.8	ug/L	4
Anthracene		05.30.96	9690	63.9	58.5	ug/L	9
Benzidine		05.30.96	9690	46.7	48.1	ug/L	3
Benzo(a)anthracene		05.30.96	9690	88.6	81.1	ug/L	9
Benzo(a)pyrene		05.30.96	9690	89.0	83.4	ug/L	6
Benzo(b)fluoranthene		05.30.96	9690	78.0	77.4	ug/L	1
Benzo(g,h,i)perylene		05.30.96	9690	95.7	81.9	ug/L	16
Benzo(k)fluoranthene		05.30.96	9690	82.5	82.2	ug/L	0
Benzyl Alcohol		05.30.96	9690	84.1	84.6	ug/L	1
Benzoic acid		05.30.96	9690	30.3	32.0	ug/L	5
Butylbenzylphthalate		05.30.96	9690	101	93.9	ug/L	7
Chrysene		05.30.96	9690	84.0	76.2	ug/L	10
Di-n-octylphthalate		05.30.96	9690	90.3	87.9	ug/L	3
Dibenzo(a,h)anthracene		05.30.96	9690	87.9	76.4	ug/L	14
[redacted]benzofuran		05.30.96	9690	87.1	85.8	ug/L	2
Dibutylphthalate		05.30.96	9690	71.2	66.1	ug/L	7
Diethylphthalate		05.30.96	9690	85.3	81.4	ug/L	5
Dimethylphthalate		05.30.96	9690	84.0	80.5	ug/L	4
Fluoranthene		05.30.96	9690	69.1	64.0	ug/L	8
Fluorene		05.30.96	9690	78.9	77.8	ug/L	1
Hexachlorobenzene		05.30.96	9690	93.2	87.3	ug/L	7
Hexachlorobutadiene		05.30.96	9690	72.6	74.4	ug/L	2
Hexachlorocyclopentadiene		05.30.96	9690	46.7	46.4	ug/L	1
Hexachloroethane		05.30.96	9690	60.4	65.5	ug/L	8
Indeno(1,2,3-c,d)pyrene		05.30.96	9690	92.4	80.1	ug/L	14
Isophorone		05.30.96	9690	67.2	66.9	ug/L	0
N-Nitrosodimethylamine		05.30.96	9690	57.1	53.8	ug/L	6
N-Nitrosodiphenylamine		05.30.96	9690	50.7	47.3	ug/L	7
N-Nitrosodi-n-propylamine		05.30.96	9690	65.0	83.0	ug/L	24
Nitrobenzene		05.30.96	9690	71.2	71.6	ug/L	1
Naphthalene		05.30.96	9690	62.9	63.5	ug/L	1
Phenanthrene		05.30.96	9690	72.1	67.6	ug/L	6
Phenol		05.30.96	9690	47.6	48.0	ug/L	1
Pentachlorophenol		05.30.96	9690	56.6	50.8	ug/L	11
Pyrene		05.30.96	9690	89.1	81.8	ug/L	9
Bis(2-chloroethoxy)methane		05.30.96	9690	55.6	55.3	ug/L	1
Bis(2-chloroethyl)ether		05.30.96	9690	70.2	70.7	ug/L	1
Bis(2-chloroisopropyl)ether		05.30.96	9690	51.4	52.4	ug/L	2
Bis(2-ethylhexyl)phthalate		05.30.96	9690	101	92.7	ug/L	9
[redacted]Fluorobiphenyl Reported		05.30.96	9690	40.0	38.2	ug/L	5

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
2-Fluorobiphenyl Theo.		05.30.96	9690	50.0	50.0	ug/L	0
2-Fluorophenol Reported		05.30.96	9690	47.5	46.3	ug/L	3
2-Fluorophenol Theoretical		05.30.96	9690	75.0	75.0	ug/L	0
2,4,6-Tribromophenol Rep.		05.30.96	9690	55.6	51.7	ug/L	7
2,4,6-Tribromophenol Theo.		05.30.96	9690	75.0	75.0	ug/L	0
Nitrobenzene-d5 Reported		05.30.96	9690	34.7	33.3	ug/L	4
Nitrobenzene-d5 Theoretical		05.30.96	9690	50.0	50.0	ug/L	0
Phenol-d5 Reported		05.30.96	9690	42.0	40.1	ug/L	5
Phenol-d5 Theoretical		05.30.96	9690	75.0	75.0	ug/L	0
Terphenyl-d14 Reported		05.30.96	9690	45.3	41.4	ug/L	9
Terphenyl-d14 Theoretical		05.30.96	9690	50.0	50.0	ug/L	0

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. B/N,A Ext.Pri.Poll.	9605458*2						
Date Analyzed		06.04.96	9690	06/04/96	06/04/96	Date	N/A
Date Extracted		06.04.96	9690	05/30/96	05/30/96	Date	N/A
1,2,4-Trichlorobenzene		06.04.96	9690	18.4	20.8	ug/L	12
1,4-Dichlorobenzene		06.04.96	9690	16.0	18.0	ug/L	12
2,4-Dinitrotoluene		06.04.96	9690	38.1	33.5	ug/L	13
2-Chlorophenol		06.04.96	9690	46.3	49.1	ug/L	6
4-Chloro-3-methylphenol		06.04.96	9690	53.6	51.2	ug/L	5
4-Nitrophenol		06.04.96	9690	34.1	26.4	ug/L	25
Acenaphthene		06.04.96	9690	28.6	28.3	ug/L	1
N-Nitrosodi-n-propylamine		06.04.96	9690	30.5	31.8	ug/L	4
Phenol		06.04.96	9690	26.5	28.2	ug/L	6
Pentachlorophenol		06.04.96	9690	42.3	33.3	ug/L	24
Pyrene		06.04.96	9690	48.5	39.9	ug/L	19
2-Fluorobiphenyl Reported		06.04.96	9690	28.8	28.0	ug/L	3
2-Fluorobiphenyl Theo.		06.04.96	9690	50.0	50.0	ug/L	0
2-Fluorophenol Reported		06.04.96	9690	37.9	39.7	ug/L	5
2-Fluorophenol Theoretical		06.04.96	9690	75.0	75.0	ug/L	0
2,4,6-Tribromophenol Rep.		06.04.96	9690	56.1	47.1	ug/L	17
2,4,6-Tribromophenol Theo.		06.04.96	9690	75.0	75.0	ug/L	0
Nitrobenzene-d5 Reported		06.04.96	9690	29.2	30.4	ug/L	4
Nitrobenzene-d5 Theoretical		06.04.96	9690	50.0	50.0	ug/L	0
Phenol-d5 Reported		06.04.96	9690	32.5	34.3	ug/L	5
Phenol-d5 Theoretical		06.04.96	9690	75.0	75.0	ug/L	0
Terphenyl-d14 Reported		06.04.96	9690	44.4	34.3	ug/L	26
Terphenyl-d14 Theoretical		06.04.96	9690	50.0	50.0	ug/L	0

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT	
1. B/N,A Ext.Pri.Poll.	9605458*2							
1,2,4-Trichlorobenzene		06.04.96	9690	37 Q	42 Q	50.0	ug/L	Q
1,4-Dichlorobenzene		06.04.96	9690	32 Q	36 Q	50.0	ug/L	Q
2,4-Dinitrotoluene		06.04.96	9690	76	67	50.0	ug/L	
2-Chlorophenol		06.04.96	9690	62	65	75.0	ug/L	
4-Chloro-3-methylphenol		06.04.96	9690	71	68	75.0	ug/L	
4-Nitrophenol		06.04.96	9690	45	35	75.0	ug/L	
Acenaphthene		06.04.96	9690	57	57	50.0	ug/L	
N-Nitrosodi-n-propylamine		06.04.96	9690	61	64	50.0	ug/L	
Phenol		06.04.96	9690	35	38	75.0	ug/L	
Pentachlorophenol		06.04.96	9690	56	44	75.0	ug/L	
Pyrene		06.04.96	9690	97	80	50.0	ug/L	
2-Fluorobiphenyl Reported		06.04.96	9690	58	56	50.0	ug/L	
2-Fluorobiphenyl Theo.		06.04.96	9690	100	100	50.0	ug/L	
2-Fluorophenol Reported		06.04.96	9690	51	53	75.0	ug/L	
2-Fluorophenol Theoretical		06.04.96	9690	100	100	75.0	ug/L	
2,4,6-Tribromophenol Rep.		06.04.96	9690	75	63	75.0	ug/L	
2,4,6-Tribromophenol Theo.		06.04.96	9690	100	100	75.0	ug/L	
Nitrobenzene-d5 Reported		06.04.96	9690	58	61	50.0	ug/L	
Nitrobenzene-d5 Theoretical		06.04.96	9690	100	100	50.0	ug/L	
Phenol-d5 Reported		06.04.96	9690	43	46	75.0	ug/L	
Phenol-d5 Theoretical		06.04.96	9690	100	100	75.0	ug/L	
Terphenyl-d14 Reported		06.04.96	9690	89	69	50.0	ug/L	
Terphenyl-d14 Theoretical		06.04.96	9690	100	100	50.0	ug/L	

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DA[redacted] REPORTED : 06/14/96

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
1. Volatile Organics B6051902*1						
Date Analyzed	05.31.96	9676117	05/31/96	NA	Date	8240
Time Analyzed	05.31.96	9676117	17:16	NA	Hours	8240
Date Extracted	05.31.96	9676117	05/30/96	NA	Date	8240
1,1,1,2-Tetrachloroethane	05.31.96	9676117	0	NA	mg/kg	8240
1,1,1-Trichloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
1,1,2,2-Tetrachloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
1,1,2-Trichloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
1,1-Dichloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
1,1-Dichloroethene	05.31.96	9676117	0	0.005	mg/kg	8240
1,1-Dichloropropene	05.31.96	9676117	0	NA	mg/kg	8240
1,2,3-Trichlorobenzene	05.31.96	9676117	0	NA	mg/kg	8240
1,2,3-Trichloropropane	05.31.96	9676117	0	0.03	mg/kg	8240
1,2,4-Trichlorobenzene	05.31.96	9676117	0	NA	mg/kg	8240
1,2,4-Trimethylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
1,2-Dibromo-3-chloropropane	05.31.96	9676117	0	NA	mg/kg	8240
1,2-Dibromoethane	05.31.96	9676117	0	NA	mg/kg	8240
1,2-Dichloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
1,2-Dichlorobenzene	05.31.96	9676117	0	0.005	mg/kg	8240
[redacted]2-Dichloropropane	05.31.96	9676117	0	0.005	mg/kg	8240
1,3,5-Trimethylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
1,3-Dichlorobenzene	05.31.96	9676117	0	0.005	mg/kg	8240
1,3-Dichloropropane	05.31.96	9676117	0	NA	mg/kg	8240
1,4-Dichlorobenzene	05.31.96	9676117	0	0.005	mg/kg	8240
1,4-Dioxane	05.31.96	9676117	0	NA	mg/kg	8240
1-Chlorohexane	05.31.96	9676117	0	NA	mg/kg	8240
2,2-Dichloropropane	05.31.96	9676117	0	NA	mg/kg	8240
2-Butanol	05.31.96	9676117	0	NA	mg/kg	8240
2-Chloro-1,3-butadiene	05.31.96	9676117	0	NA	mg/kg	8240
2-Chloroethylvinylether	05.31.96	9676117	0	0.005	mg/kg	8240
2-Chlorotoluene	05.31.96	9676117	0	NA	mg/kg	8240
2-Hexanone	05.31.96	9676117	0	0.03	mg/kg	8240
3-Chloropropene	05.31.96	9676117	0	NA	mg/kg	8240
4-Chlorotoluene	05.31.96	9676117	0	NA	mg/kg	8240
Acetone	05.31.96	9676117	0.69	0.1	mg/kg	8240
Acetonitrile	05.31.96	9676117	0	NA	mg/kg	8240
Acrolein	05.31.96	9676117	0	0.3	mg/kg	8240
Acrylonitrile	05.31.96	9676117	0	0.3	mg/kg	8240
Bromobenzene	05.31.96	9676117	0	NA	mg/kg	8240
Bromodichloromethane	05.31.96	9676117	0	0.005	mg/kg	8240
Bromomethane	05.31.96	9676117	0	0.005	mg/kg	8240
Benzene	05.31.96	9676117	0	0.005	mg/kg	8240
Bromoform	05.31.96	9676117	0	0.005	mg/kg	8240
[redacted]hlorobenzene	05.31.96	9676117	0	0.005	mg/kg	8240
[redacted]rbon Tetrachloride	05.31.96	9676117	0	0.005	mg/kg	8240

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Chloroethane	05.31.96	9676117	0	0.005	mg/kg	8240
Chloroform	05.31.96	9676117	0	0.005	mg/kg	8240
Chloromethane	05.31.96	9676117	0	0.005	mg/kg	8240
Carbon Disulfide	05.31.96	9676117	0	0.01	mg/kg	8240
Cyclohexane	05.31.96	9676117	0	NA	mg/kg	8240
Dibromochloromethane	05.31.96	9676117	0	0.005	mg/kg	8240
Dibromomethane	05.31.96	9676117	0	0.005	mg/kg	8240
Dichlorodifluoromethane	05.31.96	9676117	0	0.03	mg/kg	8240
Diisopropyl ether	05.31.96	9676117	0	NA	mg/kg	8240
Ethylbenzene	05.31.96	9676117	0	0.005	mg/kg	8240
Ethyl Methacrylate	05.31.96	9676117	0	0.03	mg/kg	8240
Freon 113	05.31.96	9676117	0	0.01	mg/kg	8240
Hexachlorobutadiene	05.31.96	9676117	0	NA	mg/kg	8240
Isopropyl Alcohol	05.31.96	9676117	0	NA	mg/kg	8240
Iodomethane	05.31.96	9676117	0	0.03	mg/kg	8240
Isopropylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
Methyl ethyl ketone	05.31.96	9676117	0	0.03	mg/kg	8240
Methyl isobutyl ketone	05.31.96	9676117	0	0.03	mg/kg	8240
Methyl-tert-butylether	05.31.96	9676117	0	NA	mg/kg	8240
Methylene chloride	05.31.96	9676117	0	0.005	mg/kg	8240
Methyl Methacrylate	05.31.96	9676117	0	NA	mg/kg	8240
N-Butylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
N-Propylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
Naphthalene	05.31.96	9676117	0	NA	mg/kg	8240
Propanenitrile	05.31.96	9676117	0	NA	mg/kg	8240
Styrene	05.31.96	9676117	0	0.005	mg/kg	8240
Trichloroethene	05.31.96	9676117	0	0.005	mg/kg	8240
Trichlorofluoromethane	05.31.96	9676117	0	0.005	mg/kg	8240
Thiophene	05.31.96	9676117	0	NA	mg/kg	8240
Toluene	05.31.96	9676117	0	0.005	mg/kg	8240
Tetrachloroethene	05.31.96	9676117	0	0.005	mg/kg	8240
Vinyl acetate	05.31.96	9676117	0	0.05	mg/kg	8240
Vinyl chloride	05.31.96	9676117	0	0.005	mg/kg	8240
Total Xylene Isomers	05.31.96	9676117	0	0.02	mg/kg	8240
cis-1,2-Dichloroethene	05.31.96	9676117	0	0.005	mg/kg	8240
cis-1,3-Dichloropropene	05.31.96	9676117	0	0.005	mg/kg	8240
m- and p-Xylene Isomers	05.31.96	9676117	0	0.01	mg/kg	8240
n-Hexane	05.31.96	9676117	0	NA	mg/kg	8240
o-Xylene	05.31.96	9676117	0	0.005	mg/kg	8240
p-Isopropyl toluene	05.31.96	9676117	0	NA	mg/kg	8240
sec-Butylbenzene	05.31.96	9676117	0	NA	mg/kg	8240
trans-1,2-Dichloroethene	05.31.96	9676117	0	0.005	mg/kg	8240
trans-1,3-Dichloropropene	05.31.96	9676117	0	0.005	mg/kg	8240
trans-1,4-Dichloro-2-butene	05.31.96	9676117	0	0.03	mg/kg	8240
tert-Butylbenzene	05.31.96	9676117	0	NA	mg/kg	8240

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
1,2-Dichloroethane-d4 Rep.	05.31.96	9676117	4.98	0.005	mg/kg	8240
1,2-Dichloroethane-d4 Theo.	05.31.96	9676117	5.00	NA	mg/kg	8240
4-Bromofluorobenzene Rep.	05.31.96	9676117	4.97	0.005	mg/kg	8240
4-Bromofluorobenzene Theo.	05.31.96	9676117	5.00	NA	mg/kg	8240
Toluene-d8 Reported	05.31.96	9676117	5.12	0.005	mg/kg	8240
Toluene-d8 Theo.	05.31.96	9676117	5.00	NA	mg/kg	8240
2. Volatile Organics B6051852*1						
Date Analyzed	05.30.96	96170	05/30/96	NA	Date	8240
Time Analyzed	05.30.96	96170	18:57	NA	Hours	8240
1,1,1,2-Tetrachloroethane	05.30.96	96170	0	1	ug/L	8240
1,1,1-Trichloroethane	05.30.96	96170	0	1	ug/L	8240
1,1,2,2-Tetrachloroethane	05.30.96	96170	0	1	ug/L	8240
1,1,2-Trichloroethane	05.30.96	96170	0	1	ug/L	8240
1,1-Dichloroethane	05.30.96	96170	0	1	ug/L	8240
1,1-Dichloroethene	05.30.96	96170	0	1	ug/L	8240
1,1-Dichloropropene	05.30.96	96170	0	1	ug/L	8240
1,2,3-Trichlorobenzene	05.30.96	96170	0	NA	ug/L	8240
1,2,3-Trichloropropane	05.30.96	96170	0	5	ug/L	8240
1,2,4-Trichlorobenzene	05.30.96	96170	0	NA	ug/L	8240
1,2,4-Trimethylbenzene	05.30.96	96170	0	1	ug/L	8240
1,2-Dibromo-3-chloropropane	05.30.96	96170	0	5	ug/L	8240
1,2-Dibromoethane	05.30.96	96170	0	5	ug/L	8240
1,2-Dichloroethane	05.30.96	96170	0	1	ug/L	8240
1,2-Dichlorobenzene	05.30.96	96170	0	1	ug/L	8240
1,2-Dichloropropane	05.30.96	96170	0	1	ug/L	8240
1,3,5-Trimethylbenzene	05.30.96	96170	0	1	ug/L	8240
1,3-Dichlorobenzene	05.30.96	96170	0	1	ug/L	8240
1,3-Dichloropropane	05.30.96	96170	0	1	ug/L	8240
1,4-Dichlorobenzene	05.30.96	96170	0	1	ug/L	8240
1,4-Dioxane	05.30.96	96170	0	500	ug/L	8240
1-Chlorohexane	05.30.96	96170	0	NA	ug/L	8240
2,2-Dichloropropane	05.30.96	96170	0	1	ug/L	8240
2-Butanol	05.30.96	96170	0	NA	ug/L	8240
2-Chloro-1,3-butadiene	05.30.96	96170	0	5	ug/L	8240
2-Chloroethylvinylether	05.30.96	96170	0	1	ug/L	8240
2-Chlorotoluene	05.30.96	96170	0	NA	ug/L	8240
2-Hexanone	05.30.96	96170	0	5	ug/L	8240
3-Chloropropene	05.30.96	96170	0	5	ug/L	8240
4-Chlorotoluene	05.30.96	96170	0	NA	ug/L	8240
Acetone	05.30.96	96170	0	20	ug/L	8240
Acetonitrile	05.30.96	96170	0	50	ug/L	8240
Acrolein	05.30.96	96170	0	50	ug/L	8240
Acrylonitrile	05.30.96	96170	0	50	ug/L	8240
Bromobenzene	05.30.96	96170	0	NA	ug/L	8240
Bromodichloromethane	05.30.96	96170	0	1	ug/L	8240

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Bromomethane	05.30.96	96170	0	1	ug/L	8240
Benzene	05.30.96	96170	0	1	ug/L	8240
Bromoform	05.30.96	96170	0	1	ug/L	8240
Chlorobenzene	05.30.96	96170	0	1	ug/L	8240
Carbon Tetrachloride	05.30.96	96170	0	1	ug/L	8240
Chloroethane	05.30.96	96170	0	1	ug/L	8240
Chloroform	05.30.96	96170	0	1	ug/L	8240
Chloromethane	05.30.96	96170	0	1	ug/L	8240
Carbon Disulfide	05.30.96	96170	0	2	ug/L	8240
Cyclohexane	05.30.96	96170	0	5	ug/L	8240
Dibromochloromethane	05.30.96	96170	0	1	ug/L	8240
Dibromomethane	05.30.96	96170	0	1	ug/L	8240
Dichlorodifluoromethane	05.30.96	96170	0	5	ug/L	8240
Diisopropyl ether	05.30.96	96170	0	NA	ug/L	8240
Ethylbenzene	05.30.96	96170	0	1	ug/L	8240
Ethyl Methacrylate	05.30.96	96170	0	5	ug/L	8240
Freon 113	05.30.96	96170	0	2	ug/L	8240
Hexachlorobutadiene	05.30.96	96170	0	NA	ug/L	8240
Isopropyl Alcohol	05.30.96	96170	0	NA	ug/L	8240
Iodomethane	05.30.96	96170	0	5	ug/L	8240
Isopropylbenzene	05.30.96	96170	0	1	ug/L	8240
Methyl ethyl ketone	05.30.96	96170	0	5	ug/L	8240
Methyl isobutyl ketone	05.30.96	96170	0	5	ug/L	8240
Methyl-tert-butylether	05.30.96	96170	0	NA	ug/L	8240
Methylene chloride	05.30.96	96170	0	2	ug/L	8240
Methyl Methacrylate	05.30.96	96170	0	5	ug/L	8240
N-Butylbenzene	05.30.96	96170	0	NA	ug/L	8240
N-Propylbenzene	05.30.96	96170	0	1	ug/L	8240
Naphthalene	05.30.96	96170	0	1	ug/L	8240
Propanenitrile	05.30.96	96170	0	20	ug/L	8240
Styrene	05.30.96	96170	0	1	ug/L	8240
Trichloroethene	05.30.96	96170	0	1	ug/L	8240
Trichlorofluoromethane	05.30.96	96170	0	1	ug/L	8240
Thiophene	05.30.96	96170	0	NA	ug/L	8240
Toluene	05.30.96	96170	0	1	ug/L	8240
Tetrachloroethene	05.30.96	96170	0	1	ug/L	8240
Vinyl acetate	05.30.96	96170	0	10	ug/L	8240
Vinyl chloride	05.30.96	96170	0	1	ug/L	8240
Total Xylene Isomers	05.30.96	96170	0	3	ug/L	8240
cis-1,2-Dichloroethene	05.30.96	96170	0	1	ug/L	8240
cis-1,3-Dichloropropene	05.30.96	96170	0	1	ug/L	8240
m- and p-Xylene Isomers	05.30.96	96170	0	2	ug/L	8240
n-Hexane	05.30.96	96170	0	NA	ug/L	8240
o-Xylene	05.30.96	96170	0	1	ug/L	8240
p-Isopropyl toluene	05.30.96	96170	0	NA	ug/L	8240

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
sec-Butylbenzene	05.30.96	96170	0	1	ug/L	8240
trans-1,2-Dichloroethene	05.30.96	96170	0	1	ug/L	8240
trans-1,3-Dichloropropene	05.30.96	96170	0	1	ug/L	8240
trans-1,4-Dichloro-2-butene	05.30.96	96170	0	5	ug/L	8240
tert-Butylbenzene	05.30.96	96170	0	1	ug/L	8240
1,2-Dichloroethane-d4 Rep.	05.30.96	96170	49.8	5	ug/L	8240
1,2-Dichloroethane-d4 Theo.	05.30.96	96170	50.0	NA	ug/L	8240
4-Bromofluorobenzene Rep.	05.30.96	96170	49.1	5	ug/L	8240
4-Bromofluorobenzene Theo.	05.30.96	96170	50.0	NA	ug/L	8240
Toluene-d8 Reported	05.30.96	96170	50.6	5	ug/L	8240
Toluene-d8 Theo.	05.30.96	96170	50.0	NA	ug/L	8240
3. BNA Extractables B6051754*1						
Date Analyzed	05.30.96	9690	05/30/96	NA	Date	8270
Date Extracted	05.30.96	9690	05/30/96	NA	Date	8270
1,2,4,5-Tetrachlorobenzene	05.30.96	9690	0	5	ug/L	8270
1,2,4-Trichlorobenzene	05.30.96	9690	0	5	ug/L	8270
1,2-Dichlorobenzene	05.30.96	9690	0	5	ug/L	8270
1,2-Diphenylhydrazine	05.30.96	9690	0	5	ug/L	8270
1,3,5-Trinitrobenzene	05.30.96	9690	0	10	ug/L	8270
1,3-Dichlorobenzene	05.30.96	9690	0	5	ug/L	8270
1,3-Dinitrobenzene	05.30.96	9690	0	10	ug/L	8270
1,4-Dichlorobenzene	05.30.96	9690	0	5	ug/L	8270
1,4-Naphthoquinone	05.30.96	9690	0	10	ug/L	8270
1-Chloronaphthalene	05.30.96	9690	0	5	ug/L	8270
1-Methylnaphthalene	05.30.96	9690	0	10	ug/L	8270
1-Naphthylamine	05.30.96	9690	0	10	ug/L	8270
2,3,4,6-Tetrachlorophenol	05.30.96	9690	0	5	ug/L	8270
2,4,5-Trichlorophenol	05.30.96	9690	0	5	ug/L	8270
2,4,6-Trichlorophenol	05.30.96	9690	0	5	ug/L	8270
2,4-Dichlorophenol	05.30.96	9690	0	5	ug/L	8270
2,4-Dimethylphenol	05.30.96	9690	0	5	ug/L	8270
2,4-Dinitrophenol	05.30.96	9690	0	10	ug/L	8270
2,4-Dinitrotoluene	05.30.96	9690	0	5	ug/L	8270
2,6-Dichlorophenol	05.30.96	9690	0	5	ug/L	8270
2,6-Dinitrotoluene	05.30.96	9690	0	5	ug/L	8270
2-Acetylaminofluorene	05.30.96	9690	0	10	ug/L	8270
2-Chloronaphthalene	05.30.96	9690	0	6	ug/L	8270
2-Chlorophenol	05.30.96	9690	0	5	ug/L	8270
2-Methyl-4,6-dinitrophenol	05.30.96	9690	0	5	ug/L	8270
2-Methylnaphthalene	05.30.96	9690	0	5	ug/L	8270
2-Methylphenol (o-Cresol)	05.30.96	9690	0	5	ug/L	8270
2-Nitroaniline	05.30.96	9690	0	5	ug/L	8270
2-Nitrophenol	05.30.96	9690	0	5	ug/L	8270
2-Naphthylamine	05.30.96	9690	0	10	ug/L	8270
3-Picoline	05.30.96	9690	0	5	ug/L	8270

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
3,3'-Dichlorobenzidine	05.30.96	9690	0	10	ug/L	8270
3,3'-Dimethylbenzidine	05.30.96	9690	0	10	ug/L	8270
3-Methylphenol (m-Cresol)	05.30.96	9690	0	10	ug/L	8270
3-Methylcholanthrene	05.30.96	9690	0	5	ug/L	8270
3-Nitroaniline	05.30.96	9690	0	5	ug/L	8270
4-Aminobiphenyl	05.30.96	9690	0	20	ug/L	8270
4-Bromophenylphenylether	05.30.96	9690	0	5	ug/L	8270
4-Chloro-3-methylphenol	05.30.96	9690	0	5	ug/L	8270
4-Chloroaniline	05.30.96	9690	0	5	ug/L	8270
4-Chlorophenylphenylether	05.30.96	9690	0	5	ug/L	8270
4-Methylphenol (p-Cresol)	05.30.96	9690	0	10	ug/L	8270
4-Nitroaniline	05.30.96	9690	0	5	ug/L	8270
4-Nitrophenol	05.30.96	9690	0	5	ug/L	8270
4-Nitroquinoline-n-oxide	05.30.96	9690	0	NA	ug/L	8270
5-Nitro-o-toluidine	05.30.96	9690	0	10	ug/L	8270
6-Methylchrysene	05.30.96	9690	0	10	ug/L	8270
7,12-Dimethylbenz(a)anthracene	05.30.96	9690	0	5	ug/L	8270
Acenaphthene	05.30.96	9690	0	5	ug/L	8270
Acenaphthylene	05.30.96	9690	0	5	ug/L	8270
Acetophenone	05.30.96	9690	0	5	ug/L	8270
Aniline	05.30.96	9690	0	5	ug/L	8270
Anthracene	05.30.96	9690	0	5	ug/L	8270
Aramite	05.30.96	9690	0	NA	ug/L	8270
Benzidine	05.30.96	9690	0	100	ug/L	8270
Benzo(a)anthracene	05.30.96	9690	0	5	ug/L	8270
Benzo(a)pyrene	05.30.96	9690	0	5	ug/L	8270
Benzo(b)fluoranthene	05.30.96	9690	0	5	ug/L	8270
Benzo(g,h,i)perylene	05.30.96	9690	0	5	ug/L	8270
Benzo(k)fluoranthene	05.30.96	9690	0	5	ug/L	8270
Benzenethiol	05.30.96	9690	0	20	ug/L	8270
Benzyl Alcohol	05.30.96	9690	0	10	ug/L	8270
Benzoic acid	05.30.96	9690	0	50	ug/L	8270
Butylbenzylphthalate	05.30.96	9690	0	5	ug/L	8270
Chlorobenzilate	05.30.96	9690	0	10	ug/L	8270
Carbazole	05.30.96	9690	0	NA	ug/L	8270
Chrysene	05.30.96	9690	0	5	ug/L	8270
Di-n-octylphthalate	05.30.96	9690	0	5	ug/L	8270
Dibenzo(a,h)anthracene	05.30.96	9690	0	5	ug/L	8270
Dibenz(a,h)acridine	05.30.96	9690	0	NA	ug/L	8270
Dibenz(a,j)acridine	05.30.96	9690	0	5	ug/L	8270
Dibenzofuran	05.30.96	9690	0	5	ug/L	8270
Dibutylphthalate	05.30.96	9690	0	5	ug/L	8270
Diethylphthalate	05.30.96	9690	0	5	ug/L	8270
Dimethylphthalate	05.30.96	9690	0	5	ug/L	8270
Diphenylamine	05.30.96	9690	0	5	ug/L	8270

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
Diallate	05.30.96	9690	0	10	ug/L	8270
Ethyl methanesulfonate	05.30.96	9690	0	5	ug/L	8270
Fluoranthene	05.30.96	9690	0	5	ug/L	8270
Fluorene	05.30.96	9690	0	5	ug/L	8270
Hexachlorobenzene	05.30.96	9690	0	5	ug/L	8270
Hexachlorobutadiene	05.30.96	9690	0	5	ug/L	8270
Hexachlorocyclopentadiene	05.30.96	9690	0	5	ug/L	8270
Hexachloroethane	05.30.96	9690	0	5	ug/L	8270
Hexachloropropene	05.30.96	9690	0	10	ug/L	8270
Hexachlorophene	05.30.96	9690	0	NA	ug/L	8270
Indeno(1,2,3-c,d)pyrene	05.30.96	9690	0	5	ug/L	8270
Indene	05.30.96	9690	0	10	ug/L	8270
Isophorone	05.30.96	9690	0	5	ug/L	8270
Isosafrole	05.30.96	9690	0	10	ug/L	8270
Methapyrilene	05.30.96	9690	0	50	ug/L	8270
Methyl methanesulfonate	05.30.96	9690	0	5	ug/L	8270
N-Nitrosodimethylamine	05.30.96	9690	0	5	ug/L	8270
N-Nitrosodiphenylamine	05.30.96	9690	0	5	ug/L	8270
N-Nitroso-di-n-butylamine	05.30.96	9690	0	5	ug/L	8270
N-Nitrosodi-n-propylamine	05.30.96	9690	0	5	ug/L	8270
N-Nitrosodiethylamine	05.30.96	9690	0	10	ug/L	8270
N-Nitrosomethylethylamine	05.30.96	9690	0	10	ug/L	8270
N-Nitrosomorpholine	05.30.96	9690	0	NA	ug/L	8270
N-Nitrosopiperidine	05.30.96	9690	0	5	ug/L	8270
N-Nitrosopyrrolidine	05.30.96	9690	0	10	ug/L	8270
Nitrobenzene	05.30.96	9690	0	5	ug/L	8270
Naphthalene	05.30.96	9690	0	5	ug/L	8270
Propylzamide	05.30.96	9690	0	NA	ug/L	8270
Phenacetin	05.30.96	9690	0	5	ug/L	8270
Phenanthrene	05.30.96	9690	0	5	ug/L	8270
Phenol	05.30.96	9690	0	5	ug/L	8270
Pentachlorobenzene	05.30.96	9690	0	5	ug/L	8270
Pentachloroethane	05.30.96	9690	0	NA	ug/L	8270
Pentachloronitrobenzene	05.30.96	9690	0	5	ug/L	8270
Pentachlorophenol	05.30.96	9690	0	5	ug/L	8270
Pyrene	05.30.96	9690	0	5	ug/L	8270
Pyridine	05.30.96	9690	0	10	ug/L	8270
Quinoline	05.30.96	9690	0	10	ug/L	8270
Safrole	05.30.96	9690	0	10	ug/L	8270
a,a-Dimethylphenethylamine	05.30.96	9690	0	20	ug/L	8270
Bis(2-chloroethoxy)methane	05.30.96	9690	0	5	ug/L	8270
Bis(2-chloroethyl)ether	05.30.96	9690	0	5	ug/L	8270
Bis(2-chloroisopropyl)ether	05.30.96	9690	0	5	ug/L	8270
Bis(2-ethylhexyl)phthalate	05.30.96	9690	4.8	10	ug/L	8270
o-Toluidine	05.30.96	9690	0	10	ug/L	8270

BC ANALYTICAL

ORDER QC REPORT FOR G9605526

DATE REPORTED : 06/14/96

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
p-Dimethylaminoazobenzene	05.30.96	9690	0	5	ug/L	8270
p-Phenylenediamine	05.30.96	9690	0	300	ug/L	8270
2-Fluorobiphenyl Reported	05.30.96	9690	41.6	5	ug/L	8270
2-Fluorobiphenyl Theo.	05.30.96	9690	50.0	NA	ug/L	8270
2-Fluorophenol Reported	05.30.96	9690	50.5	5	ug/L	8270
2-Fluorophenol Theoretical	05.30.96	9690	75.0	NA	ug/L	8270
2,4,6-Tribromophenol Rep.	05.30.96	9690	57.4	5	ug/L	8270
2,4,6-Tribromophenol Theo.	05.30.96	9690	75.0	NA	ug/L	8270
Nitrobenzene-d5 Reported	05.30.96	9690	36.6	5	ug/L	8270
Nitrobenzene-d5 Theoretical	05.30.96	9690	50.0	NA	ug/L	8270
Phenol-d5 Reported	05.30.96	9690	54.6	5	ug/L	8270
Phenol-d5 Theoretical	05.30.96	9690	75.0	NA	ug/L	8270
Terphenyl-d14 Reported	05.30.96	9690	44.1	5	ug/L	8270
Terphenyl-d14 Theoretical	05.30.96	9690	50.0	NA	ug/L	8270

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96170 Method: 8240 - GC/MS for Volatile Organics																							
1,1,1-Trichloroethane	ug/L	0	1	-	88	-	74	-	63	132	17	26	-	-	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	64	-	102	-	51	157	45	30	Q	-	-	-	-	-	-	-	-	-	
1,1,2-Trichloroethane	ug/L	0	1	-	81	-	100	-	70	136	21	30	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethane	ug/L	0	1	-	108	-	93	-	72	125	15	27	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethene	ug/L	0	1	-	109	-	90	-	64	134	19	27	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethane	ug/L	0	1	-	81	-	86	-	78	122	6	28	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	ug/L	0	1	-	100	-	102	-	75	130	2	24	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloropropane	ug/L	0	1	-	102	-	101	-	78	123	1	26	-	-	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	ug/L	0	1	-	104	-	102	-	75	125	1	26	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	ug/L	0	1	-	104	-	102	-	76	126	2	25	-	-	-	-	-	-	-	-	-	-	
2-Chloroethylvinylether	ug/L	0	5	-	64	-	102	-	11	195	45	30	Q	-	-	-	-	-	-	-	-	-	
2-Hexanone	ug/L	0	5	-	57	-	85	-	4	228	39	38	Q	-	-	-	-	-	-	-	-	-	
Acetone	ug/L	0	20	-	60	-	71	-	25	190	17	43	-	-	-	-	-	-	-	-	-	-	
Acrolein	ug/L	0	50	-	14	Q	61	-	30	183	127	-	-	-	-	-	-	-	-	-	-	-	
Acrylonitrile	ug/L	0	50	-	45	-	88	-	34	182	65	-	-	-	-	-	-	-	-	-	-	-	
Bromodichloromethane	ug/L	0	1	-	86	-	91	-	79	123	5	25	-	-	-	-	-	-	-	-	-	-	
Bromomethane	ug/L	0	1	-	113	-	91	-	61	152	22	29	-	-	-	-	-	-	-	-	-	-	
Benzene	ug/L	0	1	-	112	-	105	-	73	124	7	26	-	-	-	-	-	-	-	-	-	-	
Bromoform	ug/L	0	1	-	72	-	96	-	58	148	29	37	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	ug/L	0	1	-	102	-	102	-	75	126	0	23	-	-	-	-	-	-	-	-	-	-	
Carbon Tetrachloride	ug/L	0	1	-	94	-	72	-	70	132	26	29	-	-	-	-	-	-	-	-	-	-	
Chloroethane	ug/L	0	1	-	127	-	99	-	58	140	25	33	-	-	-	-	-	-	-	-	-	-	
Chloroform	ug/L	0	1	-	94	-	82	-	74	124	13	23	-	-	-	-	-	-	-	-	-	-	
Chloromethane	ug/L	0	1	-	126	-	77	-	56	145	48	37	Q	-	-	-	-	-	-	-	-	-	
Carbon Disulfide	ug/L	0	2	-	119	-	97	-	62	133	20	29	-	-	-	-	-	-	-	-	-	-	
Dibromochloromethane	ug/L	0	1	-	84	-	95	-	73	131	13	28	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene	ug/L	0	1	-	104	-	98	-	72	131	7	28	-	-	-	-	-	-	-	-	-	-	
Freon 113	ug/L	0	2	-	111	-	90	-	54	146	20	-	-	-	-	-	-	-	-	-	-	-	
Methyl ethyl ketone	ug/L	0	5	-	61	-	85	-	21	198	32	34	-	-	-	-	-	-	-	-	-	-	
Methyl isobutyl ketone	ug/L	0	5	-	54	-	102	-	8	215	62	37	Q	-	-	-	-	-	-	-	-	-	
Methylene chloride	ug/L	0	2	-	107	-	93	-	72	125	14	26	-	-	-	-	-	-	-	-	-	-	
Styrene	ug/L	0	1	-	102	-	100	-	72	130	2	32	-	-	-	-	-	-	-	-	-	-	
Trichloroethene	ug/L	0	1	-	110	-	99	-	71	128	10	21	-	-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	ug/L	0	1	-	92	-	75	-	45	149	20	27	-	-	-	-	-	-	-	-	-	-	
Toluene	ug/L	0	1	-	104	-	102	-	78	123	2	22	-	-	-	-	-	-	-	-	-	-	
Tetrachloroethene	ug/L	0	1	-	120	-	108	-	73	127	10	26	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate	ug/L	0	10	-	117	-	127	-	44	158	8	42	-	-	-	-	-	-	-	-	-	-	

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96170 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	126	-	96	-	56	144	27	34	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	103	-	98	-	72	133	5	25	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	104	-	91	-	74	124	13	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	86	-	96	-	79	124	11	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	111	-	93	-	69	130	18	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	77	-	92	-	70	133	17	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	100	-	-	82	-	79	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	98	-	-	90	-	90	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	101	-	-	100	-	101	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column																						
1,2,4-Trichlorobenzene	ug/L	0	5	-	69	-	70	-	30	121	2	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	5	-	75	-	78	-	30	120	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	5	-	68	-	65	-	49	136	4	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	5	-	61	-	64	-	28	114	5	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	5	-	66	-	69	-	28	116	5	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	0	5	-	83	-	81	-	49	143	2	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	5	-	80	-	80	-	50	134	0	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/L	0	5	-	78	-	78	-	43	124	1	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/L	0	5	-	67	-	66	-	43	107	1	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	ug/L	0	10	-	58	-	49	-	22	174	17	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	5	-	105	-	99	-	51	146	6	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	0	5	-	67	-	66	-	53	129	2	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	ug/L	0	5	-	76	-	76	-	36	97	0	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	ug/L	0	5	-	67	-	69	-	46	115	2	-	-	-	-	-	-	-	-	-	-	-
2-Methyl-4,6-dinitrophenol	ug/L	0	10	-	61	-	55	-	38	147	10	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/L	0	5	-	73	-	73	-	36	124	0	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	5	-	56	-	57	-	36	116	1	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/L	0	5	-	77	-	75	-	54	133	2	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/L	0	5	-	68	-	68	-	43	122	0	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	10	-	39	-	35	-	1	262	10	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/L	0	5	-	79	-	76	-	54	134	3	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/L	0	5	-	91	-	86	-	43	142	5	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	5	-	79	-	78	-	49	133	1	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/L	0	5	-	89	-	89	-	46	126	0	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	5	-	71	-	69	-	49	134	3	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	10	-	62	-	62	-	46	109	0	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/L	0	5	-	93	-	87	-	40	166	6	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/L	0	10	-	44	-	44	-	15	122	0	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/L	0	5	-	70	-	69	-	51	126	0	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/L	0	5	-	74	-	73	-	56	131	1	-	-	-	-	-	-	-	-	-	-	-
Aniline	ug/L	0	5	-	73	-	76	-	36	113	4	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/L	0	5	-	64	-	59	-	54	117	9	-	-	-	-	-	-	-	-	-	-	-
Benzidine	ug/L	0	100	-	23	-	24	-	1	200	3	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	5	-	89	-	81	-	55	132	9	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/L	0	5	-	89	-	83	-	51	141	6	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	5	-	78	-	77	-	43	135	1	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	5	-	96	-	82	-	36	157	16	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
Benzo(k)fluoranthene	ug/L	0	5	-	83	-	82	-	57	137	0	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	ug/L	0	10	-	84	-	85	-	41	126	1	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	ug/L	0	50	-	15	-	16	-	1	183	5	-	-	-	-	-	-	-	-	-	-	-
Butylbenzylphthalate	ug/L	0	5	-	101	-	94	-	50	139	7	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/L	0	5	-	84	-	76	-	55	134	10	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	ug/L	0	5	-	90	-	88	-	41	145	3	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	5	-	88	-	76	-	41	144	14	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/L	0	5	-	87	-	86	-	53	129	2	-	-	-	-	-	-	-	-	-	-	-
Dibutylphthalate	ug/L	0	5	-	71	-	66	-	50	129	7	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	ug/L	0	5	-	85	-	81	-	49	137	5	-	-	-	-	-	-	-	-	-	-	-
Dimethylphthalate	ug/L	0	5	-	84	-	81	-	55	134	4	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/L	0	5	-	69	-	64	-	52	128	8	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	0	5	-	79	-	78	-	55	126	1	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/L	0	5	-	93	-	87	-	50	136	7	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	5	-	73	-	74	-	16	136	2	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	10	-	47	-	46	-	6	209	1	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/L	0	5	-	60	-	66	-	24	119	8	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	5	-	92	-	80	-	30	172	14	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/L	0	5	-	67	-	67	-	39	126	0	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	5	-	57	-	54	-	23	138	6	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	5	-	51	-	47	-	36	103	7	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	5	-	65	-	83	-	32	136	24	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/L	0	5	-	71	-	72	-	44	118	1	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	5	-	63	-	64	-	40	110	1	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	0	5	-	72	-	68	-	54	128	6	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/L	0	5	-	48	-	48	-	28	91	1	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0	10	-	57	-	51	-	26	158	11	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/L	0	5	-	89	-	82	-	53	128	9	-	-	-	-	-	-	-	-	-	-	-
Pyridine	ug/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	5	-	56	-	55	-	32	127	1	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	5	-	70	-	71	-	48	117	1	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	5	-	51	-	52	-	39	155	2	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	4.8	10	-	101	-	93	-	15	176	9	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorobiphenyl]	Percent	83	-	-	80	-	76	-	43	116	-	-	-	-	-	-	-	-	-	-	-	-
[2-Fluorophenol]	Percent	67	-	-	63	-	62	-	21	100	-	-	-	-	-	-	-	-	-	-	-	-
[2,4,6-Tribromophenol]	Percent	77	-	-	74	-	69	-	40	123	-	-	-	-	-	-	-	-	-	-	-	-
[Nitrobenzene-d5]	Percent	73	-	-	69	-	67	-	37	114	-	-	-	-	-	-	-	-	-	-	-	-
[Phenol-d5]	Percent	73	-	-	56	-	53	-	10	93	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't																						
[Terphenyl-d14]	Percent	88	-	-	91	-	83	-	33	141	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES

	METHOD BLANK			LAB CONTROL							MATRIX QC					
				LCS		LCSD				RPD	RPD	MS		MSD			RPD	RPD
UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG

NON-AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9676117 Method: 8240 - GC/MS for Volatile Organics																							
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	100	-	92	-	68	131	8	28	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.69	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	108	-	99	-	70	125	9	25	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	113	-	104	-	69	137	9	19	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	106	-	100	-	72	129	6	29	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	108	-	100	-	68	139	8	19	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9676117 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	100	0	-	94	-	95	-	78	121	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	99	0	-	105	-	96	-	74	121	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	102	0	-	112	-	100	-	82	118	-	-	-	-	-	-	-	-	-	-	-	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9605526
DATE PRINTED: 03 JUN 1996

AQUEOUS SAMPLES

Batch: VOA*96170 Method: 8240 - GC/MS for Volatile Organics

		B6051852*1	C6053252*1	.....	C6053253*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	05/30/96	05/30/96	05/30/96	03/30/96	05/30/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	43.9	50.0	37.1	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	32.2	50.0	51.0	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	40.7	50.0	50.2	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	54.1	50.0	46.7	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	54.6	50.0	45.1	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	40.7	50.0	43.2	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	49.8	50.0	50.9	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	50.8	50.0	50.3	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	51.9	50.0	51.2	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	52.1	50.0	50.9	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	32.1	50.0	51.0	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	28.7	50.0	42.4	50.0	-	-	-	-	-
Acetone	ug/L	0	30.0	50.0	35.7	50.0	-	-	-	-	-
Acrolein	ug/L	0	68.3	500	305	500	-	-	-	-	-
Acrylonitrile	ug/L	0	223	500	440	500	-	-	-	-	-
Bromodichloromethane	ug/L	0	43.2	50.0	45.4	50.0	-	-	-	-	-
Bromomethane	ug/L	0	56.6	50.0	45.5	50.0	-	-	-	-	-
Benzene	ug/L	0	56.2	50.0	52.5	50.0	-	-	-	-	-
Bromoform	ug/L	0	36.1	50.0	48.1	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	51.0	50.0	51.1	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	46.8	50.0	35.9	50.0	-	-	-	-	-
Chloroethane	ug/L	0	63.5	50.0	49.3	50.0	-	-	-	-	-
Chloroform	ug/L	0	47.0	50.0	41.2	50.0	-	-	-	-	-
Chloromethane	ug/L	0	62.9	50.0	38.5	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	59.3	50.0	48.7	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	41.8	50.0	47.7	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	52.1	50.0	48.8	50.0	-	-	-	-	-
Freon 113	ug/L	0	55.4	50.0	45.1	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	30.6	50.0	42.3	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	26.9	50.0	50.9	50.0	-	-	-	-	-
Methylene chloride	ug/L	0	53.6	50.0	46.7	50.0	-	-	-	-	-
Styrene	ug/L	0	51.0	50.0	49.9	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	54.9	50.0	49.7	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	45.8	50.0	37.6	50.0	-	-	-	-	-
Toluene	ug/L	0	52.0	50.0	50.9	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA*96170 Method: 8240 - GC/MS for Volatile Organics, con't

		B6051852*1	C6053252*1		C6053253*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	59.9	50.0	54.2	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	58.7	50.0	63.5	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	63.1	50.0	47.9	50.0	-	-	-	-	-
Total Xylene Isomers	ug/L	0	155	150	147	150	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	51.9	50.0	45.4	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	43.2	50.0	48.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	55.4	50.0	46.3	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	38.7	50.0	46.0	50.0	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	49.8	40.9	50.0	39.6	50.0	-	-	-	-	-
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	49.1	44.9	50.0	44.8	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	50.6	50.1	50.0	50.5	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column

		B6051754*1	C6053241*1	.....	C6053242*1	.....	9605458*2	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	05/30/96	05/30/96	05/30/96	05/30/96	05/30/96	-	-	-	-	-
Date Extracted	Date	05/30/96	05/30/96	05/30/96	05/30/96	05/30/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	69.3	100	70.4	100	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	74.5	100	78.3	100	-	-	-	-	-
1,2-Diphenylhydrazine	ug/L	0	67.6	100	64.9	100	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	61.0	100	64.3	100	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	65.7	100	69.1	100	-	-	-	-	-
2,4,5-Trichlorophenol	ug/L	0	82.9	100	81.0	100	-	-	-	-	-
2,4,6-Trichlorophenol	ug/L	0	79.8	100	79.7	100	-	-	-	-	-
2,4-Dichlorophenol	ug/L	0	77.6	100	78.2	100	-	-	-	-	-
2,4-Dimethylphenol	ug/L	0	67.1	100	66.4	100	-	-	-	-	-
2,4-Dinitrophenol	ug/L	0	57.6	100	48.6	100	-	-	-	-	-
2,4-Dinitrotoluene	ug/L	0	105	100	98.7	100	-	-	-	-	-
2,6-Dinitrotoluene	ug/L	0	67.3	100	65.9	100	-	-	-	-	-
2-Chloronaphthalene	ug/L	0	76.2	100	75.9	100	-	-	-	-	-
2-Chlorophenol	ug/L	0	67.2	100	68.6	100	-	-	-	-	-
2-Methyl-4,6-dinitrophenol	ug/L	0	60.6	100	54.7	100	-	-	-	-	-
2-Methylnaphthalene	ug/L	0	73.2	100	73.4	100	-	-	-	-	-
2-Methylphenol (o-Cresol)	ug/L	0	56.3	100	56.7	100	-	-	-	-	-
2-Nitroaniline	ug/L	0	76.5	100	74.8	100	-	-	-	-	-
2-Nitrophenol	ug/L	0	67.8	100	67.7	100	-	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	0	78.0	200	70.9	200	-	-	-	-	-
3-Nitroaniline	ug/L	0	78.7	100	76.4	100	-	-	-	-	-
4-Bromophenylphenylether	ug/L	0	90.9	100	86.1	100	-	-	-	-	-
4-Chloro-3-methylphenol	ug/L	0	78.5	100	77.5	100	-	-	-	-	-
4-Chloroaniline	ug/L	0	89.1	100	88.9	100	-	-	-	-	-
4-Chlorophenylphenylether	ug/L	0	71.0	100	69.2	100	-	-	-	-	-
4-Methylphenol (p-Cresol)	ug/L	0	62.0	100	61.7	100	-	-	-	-	-
4-Nitroaniline	ug/L	0	92.9	100	87.2	100	-	-	-	-	-
4-Nitrophenol	ug/L	0	44.1	100	43.9	100	-	-	-	-	-
Acenaphthene	ug/L	0	69.7	100	69.4	100	-	-	-	-	-
Acenaphthylene	ug/L	0	73.5	100	72.7	100	-	-	-	-	-
Aniline	ug/L	0	72.7	100	75.8	100	-	-	-	-	-
Anthracene	ug/L	0	63.9	100	58.5	100	-	-	-	-	-
Benzidine	ug/L	0	46.7	200	48.1	200	-	-	-	-	-
Benzo(a)anthracene	ug/L	0	88.6	100	81.1	100	-	-	-	-	-

AQUEOUS SAMPLES

Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B6051754*1	C6053241*1	.....	C6053242*1	.....	9605458*2	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Benzo(a)pyrene	ug/L	0	89.0	100	83.4	100	-	-	-	-	-
Benzo(b)fluoranthene	ug/L	0	78.0	100	77.4	100	-	-	-	-	-
Benzo(g,h,i)perylene	ug/L	0	95.7	100	81.9	100	-	-	-	-	-
Benzo(k)fluoranthene	ug/L	0	82.5	100	82.2	100	-	-	-	-	-
Benzyl Alcohol	ug/L	0	84.1	100	84.6	100	-	-	-	-	-
Benzoic acid	ug/L	0	30.3	200	32.0	200	-	-	-	-	-
Butylbenzylphthalate	ug/L	0	101	100	93.9	100	-	-	-	-	-
Chrysene	ug/L	0	84.0	100	76.2	100	-	-	-	-	-
Di-n-octylphthalate	ug/L	0	90.3	100	87.9	100	-	-	-	-	-
Dibenzo(a,h)anthracene	ug/L	0	87.9	100	76.4	100	-	-	-	-	-
Dibenzofuran	ug/L	0	87.1	100	85.8	100	-	-	-	-	-
Dibutylphthalate	ug/L	0	71.2	100	66.1	100	-	-	-	-	-
Diethylphthalate	ug/L	0	85.3	100	81.4	100	-	-	-	-	-
Dimethylphthalate	ug/L	0	84.0	100	80.5	100	-	-	-	-	-
Fluoranthene	ug/L	0	69.1	100	64.0	100	-	-	-	-	-
Fluorene	ug/L	0	78.9	100	77.8	100	-	-	-	-	-
Hexachlorobenzene	ug/L	0	93.2	100	87.3	100	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	72.6	100	74.4	100	-	-	-	-	-
Hexachlorocyclopentadiene	ug/L	0	46.7	100	46.4	100	-	-	-	-	-
Hexachloroethane	ug/L	0	60.4	100	65.5	100	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	ug/L	0	92.4	100	80.1	100	-	-	-	-	-
Isophorone	ug/L	0	67.2	100	66.9	100	-	-	-	-	-
N-Nitrosodimethylamine	ug/L	0	57.1	100	53.8	100	-	-	-	-	-
N-Nitrosodiphenylamine	ug/L	0	50.7	100	47.3	100	-	-	-	-	-
N-Nitrosodi-n-propylamine	ug/L	0	65.0	100	83.0	100	-	-	-	-	-
Nitrobenzene	ug/L	0	71.2	100	71.6	100	-	-	-	-	-
Naphthalene	ug/L	0	62.9	100	63.5	100	-	-	-	-	-
Phenanthrene	ug/L	0	72.1	100	67.6	100	-	-	-	-	-
Phenol	ug/L	0	47.6	100	48.0	100	-	-	-	-	-
Pentachlorophenol	ug/L	0	56.6	100	50.8	100	-	-	-	-	-
Pyrene	ug/L	0	89.1	100	81.8	100	-	-	-	-	-
Pyridine	ug/L	0	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/L	0	55.6	100	55.3	100	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/L	0	70.2	100	70.7	100	-	-	-	-	-
Bis(2-chloroisopropyl)ether	ug/L	0	51.4	100	52.4	100	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/L	4.8	101	100	92.7	100	-	-	-	-	-
2-Fluorob[redacted]nyl Reported	ug/L	41.6	40.0	50.0	[redacted] 38.2	50.0	-	-	-	-	[redacted] -

AQUEOUS SAMPLES

Batch: BNA*9690 Method: 8270 - GC/MS for Semivolatile Organics, Capillary column, con't

		B6051754*1	C6053241*1		C6053242*1		9605458*2	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
2-Fluorobiphenyl Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
2-Fluorophenol Reported	ug/L	50.5	47.5	75.0	46.3	75.0	-	-	-	-	-
2-Fluorophenol Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-
2,4,6-Tribromophenol Rep.	ug/L	57.4	55.6	75.0	51.7	75.0	-	-	-	-	-
2,4,6-Tribromophenol Theo.	ug/L	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-
Nitrobenzene-d5 Reported	ug/L	36.6	34.7	50.0	33.3	50.0	-	-	-	-	-
Nitrobenzene-d5 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Phenol-d5 Reported	ug/L	54.6	42.0	75.0	40.1	75.0	-	-	-	-	-
Phenol-d5 Theoretical	ug/L	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-
Terphenyl-d14 Reported	ug/L	44.1	45.3	50.0	41.4	50.0	-	-	-	-	-
Terphenyl-d14 Theoretical	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

NON-AQUEOUS SAMPLES

NON-AQUEOUS SAMPLES

Batch: 8240*9676117 Method: 8240 - GC/MS for Volatile Organics

		B6051902*1	C6053533*1	.....	C6053534*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	05/31/96	05/31/96	05/31/96	05/31/96	05/31/96	-	-	-	-	-
Date Extracted	Date	05/30/96	05/30/96	05/30/96	05/30/96	05/30/96	-	-	-	-	-
Dilution Factor	Times	100	100	100	100	100	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	1.99	2.00	1.84	2.00	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.69	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	2.15	2.00	1.97	2.00	-	-	-	-	-
Bromoform	mg/kg	0	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	2.26	2.00	2.07	2.00	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	2.12	2.00	1.99	2.00	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: 8240*9676117 Method: 8240 - GC/MS for Volatile Organics, con't

		B6051902*1	C6053533*1		C6053534*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene	mg/kg	0	2.16	2.00	1.99	2.00	-	-	-	-	-
Tetrachloroethene	mg/kg	0	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	mg/kg	0	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	mg/kg	4.98	4.72	5.00	4.73	5.00	-	-	-	-	-
1,2-Dichloroethane-d4 Theo.	mg/kg	5.00	5.00	5.00	5.00	5.00	-	-	-	-	-
4-Bromofluorobenzene Rep.	mg/kg	4.97	5.27	5.00	4.78	5.00	-	-	-	-	-
4-Bromofluorobenzene Theo.	mg/kg	5.00	5.00	5.00	5.00	5.00	-	-	-	-	-
Toluene-d8 Reported	mg/kg	5.12	5.60	5.00	4.98	5.00	-	-	-	-	-
Toluene-d8 Theo.	mg/kg	5.00	5.00	5.00	5.00	5.00	-	-	-	-	-

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mailed: JUN 20 1996

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-142-1	OW-1	06 JUN 96

PARAMETER	06-142-1
Alkalinity (310.1)	
Carbonate Alk (as CaCO3), mg/L	<10
Bicarbonate Alk (as CaCO3), mg/L	130
Hydroxide Alk (as CaCO3), mg/L	<10
Total Alkalinity (as CaCO3), mg/L	130
Calcium (6010), mg/L	1100
Magnesium (6010), mg/L	130
Chloride (300.0), mg/L	2500
Copper (6010), mg/L	<0.02
Surfactants, MBAS (425.1), mg/L	0.37
Iron (6010), mg/L	<0.04
Manganese (6010), mg/L	0.66
pH (150.1), Units	7.4
Potassium (6010), mg/L	14
Sodium (6010), mg/L	340
Sulfate (300.0), mg/L	140
Conductivity (120.1), umhos/cm	6900
Dissolved Solids (160.1), mg/L	5900
Zinc (6010), mg/L	<0.01
Ion Balance (CALC), Percent	2.7
Nitrate (300.0), mg/L	36
Nitrite (300.0), mg/L	<5
Digestion (3005), Date	06/11/96
Aluminum (6010), mg/L	<0.1
Fluoride (300.0), mg/L	<3

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-142-1	OW-1	06 JUN 96

PARAMETER	06-142-1				
Vol.Pri.Poll. (8240)					
Date Analyzed	06/18/96				
Dilution Factor, Times	500				
1,1,1-Trichloroethane, ug/L	12000				
1,1,2,2-Tetrachloroethane, ug/L	<500				
1,1,2-Trichloroethane, ug/L	<500				
1,1-Dichloroethane, ug/L	<500				
1,1-Dichloroethene, ug/L	3600				
1,2-Dichloroethane, ug/L	2600				
1,2-Dichlorobenzene, ug/L	<500				
1,2-Dichloropropane, ug/L	<500				
1,3-Dichlorobenzene, ug/L	<500				
1,4-Dichlorobenzene, ug/L	<500				
2-Chloroethylvinylether, ug/L	<3000				
2-Hexanone, ug/L	<3000				
Acetone, ug/L	<10000				
Acrolein, ug/L	<30000				
Acrylonitrile, ug/L	<30000				
Bromodichloromethane, ug/L	<500				
Bromomethane, ug/L	<500				
Benzene, ug/L	<500				
Bromoform, ug/L	<500				
Chlorobenzene, ug/L	<500				
Carbon Tetrachloride, ug/L	<500				
Chloroethane, ug/L	<500				
Chloroform, ug/L	3200				
Chloromethane, ug/L	<500				

BCA

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-142-1	OW-1	06 JUN 96

PARAMETER	06-142-1
Carbon Disulfide, ug/L	<1000
Dibromochloromethane, ug/L	<500
Ethylbenzene, ug/L	<500
Freon 113, ug/L	1400
Methyl ethyl ketone, ug/L	<3000
Methyl isobutyl ketone, ug/L	<3000
Methylene chloride, ug/L	15000
Styrene, ug/L	<500
Trichloroethene, ug/L	3400
Trichlorofluoromethane, ug/L	990
Toluene, ug/L	<500
Tetrachloroethene, ug/L	81000
Vinyl acetate, ug/L	<5000
Vinyl chloride, ug/L	<500
Total Xylene Isomers, ug/L	<2000
cis-1,2-Dichloroethene, ug/L	<500
cis-1,3-Dichloropropene, ug/L	<500
trans-1,2-Dichloroethene, ug/L	<500
trans-1,3-Dichloropropene, ug/L	<500
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	24600
1,2-Dichloroethane-d4 Theo., ug/L	25000
4-Bromofluorobenzene Rep., ug/L	24400
4-Bromofluorobenzene Theo., ug/L	25000
Toluene-d8 Reported, ug/L	24000
Toluene-d8 Theo., ug/L	25000

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-142-2	TB-060696	06 JUN 96

PARAMETER	06-142-2
Vol.Pri.Poll. (8240)	
Date Analyzed	06/17/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1

BCA

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
06-142-2	TB-060696	06 JUN 96

PARAMETER	06-142-2
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	37.1
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	41.4
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	46.0
Toluene-d8 Theo., ug/L	50.0

Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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Analytical Report

LOG NO: G96-06-142

Received: 06 JUN 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Log Number : 96-06-142-1
Sample Description: OW-1

General Mineral Analysis
Sampled Date 06 JUN 96

Anions	mg/L	meq/L
Nitrate	36	0.58
Chloride	2500	71
Sulfate	140	2.9
Bicarbonate (as HCO3)	160	2.6
Carbonate (as CO3)	0	0
Hydroxide (as OH)	0	0
Total Millequivalents per Liter		77.1

Cations	mg/L	meq/L
Magnesium	130	11
Sodium	340	15
Potassium	14	0.36
Calcium	1100	55
Total Millequivalents per Liter		81.4

Determination	mg/L
Hydroxide Alk (as CaCO3)	<10
Carbonate Alk (as CaCO3)	<10
Bicarbonate Alk (as CaCO3	130
Ca Hardness (as CaCO3)	2700
Mg Hardness (as CaCO3)	530
Total Hardness	3230
Iron	<0.04
Manganese	0.66
Copper	<0.02
Zinc	<0.01
Surfactants, MBAS	0.37
Dissolved Solids	5900
Sp. Conductance, umhos/cm	6900
pH, units	7.4
Ion balance in percent	2.70

* Conforms to Title 22, California Administrative Code

BCA

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

G1(0)(044)2

DATE 6/6/96 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: MIKE HIGUCHI — Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER — PH. ~~FAX~~ No. (619) 454-0165

SAMPLER (SIGNATURE): [signature]

SAMPLER (PRINTED): GREG GRANHAM, TOM HENDERSON

LABORATORY INFORMATION: BCA, EATELLA AVE., ANAHEIM, CA

Received @ 4°C

LAB ID	SAMPLE ID	Date	Time	Soil	Ground-water	Surface water	LAB WATER	HCl	HNO3	NaOH	H2SO4	Ice	40-ML VOA VIAL	1-L POLYETHYLENE	1/2-GALLON POLY	EPA 8260	GENERAL MINERAL/COMMON IONS	0-200	200-2000	2000-20,000	20,000-200,000	REMARKS
	TB-060696	6/6/96	11:00				X	X				X	2			X		X				FAX
	OW-1	↓	11:50		X			X				X	2			X					X	PRELIMINARY
	↓	↓	↓		X						X	X		1			X					RESULTS
					X							X			1		X					TO M.
																						HIGUCHI
																						(714) 453-0733
																						AND M.
																						PALMER
																						(619) 454-5839

SPECIAL HANDLING:

Total number of Containers per analysis: 4 | 1 | 1

Total No. of Containers: 6

Relinquished by	Date	Received by	Date
[signature]	6/6/96	[signature]	6/6/96
Company: HARGIS + ASSOC.	Time: 1426	Company: BCA	Time: 2:26
Relinquished by: [crossed out]	Date	Received by: [signature]	Date: 6/6/96
Company	Time	Laboratory: BCA	Time: 6:30

INSTRUCTIONS
1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with √ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- [X] No. of containers correct
- [X] received good condition/cold
- [X] custody seals secure
- [X] conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

- [ ] 610 NORTH HOLLYWOOD WAY, SUITE 201, BURBANK, CA 91505 (818) 563-4569
- [X] 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (...)-7300

Send invoice to La Jolla, CA
Business Office Attn: Kim Storek

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9606142*1	OW-1	ALK	06.13.96	310.1	533-08	9640	8804
		CA	06.18.96	6010	535-03	961331	7396
		MG	06.11.96	6010	535-03	961331	7396
		ANIONS,CL	06.07.96	300.0	533-23	960607	8651
		CU	06.11.96	6010	535-03	961331	7396
		MBAS	06.08.96	425.1	533-15	9642	8106
		FE	06.11.96	6010	535-03	961331	7396
		MN	06.11.96	6010	535-03	961331	7396
		PH	06.06.96	150.1	533-21	96192	8804
		K	06.11.96	6010	535-03	961331	7396
		NA	06.18.96	6010	535-03	961331	7396
		ANIONS,SO4	06.07.96	300.0	533-23	960607	8651
		COND	06.10.96	120.1	533-11	9694	8804
		TDS	06.07.96	160.1		9654	8804
		ZN	06.11.96	6010	535-03	961331	7396
		ION.BALANCE	06.19.96	CALC			7992
		ANIONS,NO3	06.07.96	300.0	533-23	960607	8651
		ANIONS,NO2	06.07.96	300.0	533-23	960607	8651
		DIG,AQ.HCL	06.11.96	3005		961331	7620
		AL	06.11.96	6010	535-03	961331	7396
		ANIONS,F	06.07.96	300.0	533-23	960607	8651
		VOA.8240.HSL	06.18.96	8240	537-01	96179	8659
9606142*2	TB-060696	VOA.8240.HSL	06.17.96	8240	537-01	96178	8659

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: ALK*9640 Method: 310.1 - Alkalinity, Titrimetric																						
Carbonate Alk (as CaCO3)	mg/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicarbonate Alk (as CaCO3)	mg/L	0	10	-	97	-	96	-	92	108	0	-	-	98	-	98	-	91	108	0	15	-
Hydroxide Alk (as CaCO3)	mg/L	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Alkalinity (as CaCO3)	mg/L	0	10	-	97	-	96	-	92	108	0	-	-	98	-	98	-	91	108	0	15	-
Batch: MBAS*9642 Method: 425.1 - Methylene Blue Active Substances, Colorimetric																						
Surfactants, MBAS	mg/L	0	0.1	-	95	-	-	-	60	148	-	-	-	95	-	100	-	21	158	5	25	-
Batch: TDS*9654 Method: 160.1 - Residue, Filterable, Gravimetric, Dried at 180 C																						
Dissolved Solids	mg/L	6	10	-	100	-	100	-	95	108	0	-	-	93	Q	97	-	94	112	2	15	-
Batch: COND*9694 Method: 120.1 - Conductance, Specific Conductance																						
Conductivity	umhos/cm	-	-	-	99	-	101	-	95	105	1	15	-	1200	*	1200	*	-	-	0	15	-
Batch: PH*96192 Method: 150.1 - pH, Electrometric																						
pH	Units	-	-	-	100	-	100	-	99	101	0	20	-	7.2	*	7.2	*	-	-	0	20	-
Batch: 960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph																						
Chloride	mg/L	0	0.5	-	96	-	-	-	90	110	-	-	-	-	NC	-	NC	72	117	-	15	NC
Fluoride	mg/L	0	0.2	-	100	-	-	-	90	110	-	-	-	95	-	93	-	73	135	2	15	-
Nitrite	mg/L	0	0.2	-	97	-	-	-	90	110	-	-	-	99	-	93	-	75	127	7	15	-
Nitrate	mg/L	0	0.5	-	95	-	-	-	90	110	-	-	-	87	-	85	-	74	115	1	15	-
Sulfate	mg/L	0	1	-	96	-	97	-	90	110	1	-	-	84	-	83	-	69	116	1	15	-
Batch: 961331 Method: 6010 - ICAP Metals																						
Aluminum	mg/L	0	0.1	-	108	-	107	-	81	110	1	-	-	83	-	83	-	41	160	1	20	-
Calcium	mg/L	0	0.5	-	98	-	95	-	81	115	3	-	-	98	-	94	-	73	118	2	20	-
Copper	mg/L	0	0.02	-	102	-	99	-	80	109	3	-	-	102	-	100	-	78	107	2	20	-
Iron	mg/L	0	0.04	-	109	-	106	-	83	113	3	-	-	112	-	109	-	54	154	3	20	-
Potassium	mg/L	0	0.5	-	98	-	95	-	80	111	3	-	-	101	-	98	-	47	156	2	20	-
Magnesium	mg/L	0	0.1	-	99	-	97	-	82	113	3	-	-	100	-	98	-	74	119	2	20	-
Manganese	mg/L	0	0.01	-	102	-	99	-	80	112	3	-	-	111	-	108	-	67	128	3	20	-
Sodium	mg/L	0	0.5	-	103	-	100	-	87	112	3	-	-	102	-	100	-	74	120	1	20	-
Zinc	mg/L	0	0.01	-	100	-	98	-	80	120	2	-	-	102	-	99	-	60	135	3	20	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD		MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96178 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	88	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	116	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	110	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	103	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	98	-	-	-	64	134	-	-	-	84	-	86	-	54	130	2	27	-
1,2-Dichloroethane	ug/L	0	1	-	82	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	81	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	109	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	80	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	82	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	79	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	97	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	2.7	20	-	56	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	79	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	45	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	113	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	72	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	110	-	-	-	73	124	-	-	-	94	-	93	-	61	126	2	26	-
Bromoform	ug/L	0	1	-	71	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	100	-	-	-	75	126	-	-	-	91	-	103	-	71	127	11	23	-
Carbon Tetrachloride	ug/L	0	1	-	80	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	102	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	96	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	108	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	111	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	88	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	117	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	71	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	87	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	99	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	105	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	102	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	77	-	-	-	71	128	-	-	-	65	-	63	-	63	122	3	21	-
Trichlorofluoromethane	ug/L	0	1	-	90	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	116	-	-	-	78	123	-	-	-	102	-	105	-	73	124	3	22	-
Tetrachloroethene	ug/L	0	1	-	73	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	85	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96178 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	123	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	106	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	96	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	114	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	95	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	107	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	77	-	Q	81	-	-	-	79	114	-	-	-	84	-	90	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	95	-	-	93	-	-	-	85	111	-	-	-	98	-	100	-	85	111	-	-	-
[Toluene-d8]	Percent	103	-	-	101	-	-	-	92	110	-	-	-	102	-	99	-	92	110	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96179 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	111	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	110	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	94	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	95	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	100	-	-	-	64	134	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	109	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	94	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	94	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	92	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	91	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	65	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	147	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	5.5	20	-	156	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	136	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	74	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	92	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	67	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	99	-	-	-	73	124	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	111	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	85	-	-	-	75	126	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	111	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	98	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	105	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	91	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	100	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	97	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	89	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	111	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	202	Q	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	116	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	99	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	88	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	102	-	-	-	71	128	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	117	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	85	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	90	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	94	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96179 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	87	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	90	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	97	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	84	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	99	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	89	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	106	-	-	121	Q	-	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	99	-	-	104	-	-	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	94	-	-	94	-	-	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES

Batch: ALK*9640 Method: 310.1 - Alkalinity, Titrimetric

		B606783*1	C6061474*1	.....	C6061475*1	.....	9606239*5	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Carbonate Alk (as CaCO3)	mg/L	0	<10	<10	<10	<10	<10	-	<10	<10	<10
Bicarbonate Alk (as CaCO3)	mg/L	0	576	596	574	596	150	-	612	614	622
Hydroxide Alk (as CaCO3)	mg/L	0	<10	<10	<10	<10	<10	-	<10	<10	<10
Total Alkalinity (as CaCO3)	mg/L	0	576	596	574	596	150	-	612	614	622

Batch: MBAS*9642 Method: 425.1 - Methylene Blue Active Substances, Colorimetric

		B606682*1	C6061311*1	.....	N/A	.....	9606173*4	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Surfactants, MBAS	mg/L	0	0.953	1.00	-	-	<0.1	-	0.953	0.997	1.00

Batch: TDS*9654 Method: 160.1 - Residue, Filterable, Gravimetric, Dried at 180 C

		B606457*1	C606882*1	.....	C606883*1	.....	9606094*5	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Dissolved Solids	mg/L	6	1000	1000	1000	1000	830	-	1760	1800	1830

Batch: COND*9694 Method: 120.1 - Conductance, Specific Conductance

		N/A	C606851*1	.....	C606852*1	.....	9606094*5	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Conductivity	umhos/cm	-	1400	1410	1420	1410	1200	1200	-	-	-

Batch: PH*96192 Method: 150.1 - pH, Electrometric

		N/A	C606623*1	.....	C606624*1	.....	9606100*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
pH	Units	-	5.98	6.00	5.98	6.00	7.2	7.2	-	-	-

Batch: ANIONS,CL*960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph

		B606448*1	C606870*1	.....	N/A	.....	9606142*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloride	mg/L	0	19.1	20.0	-	-	2500	-	3150	3170	3350

Batch: ANIONS,F*960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph

		B606450*1	C606872*1	.....	N/A	.....	9606142*1	.....	.....	.....	.....

AQUEOUS SAMPLES

	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Fluoride	mg/L	0	5.01	5.00	-	-	<3	-	94.5	92.8	100

Batch: ANIONS,NO2*960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph

	B606451*1	C606873*1		N/A		9606142*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nitrite mg/L	0	4.83	5.00	-	-	<5	-	109	102	110

Batch: ANIONS,NO3*960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph

	B606453*1	C606876*1		N/A		9606142*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Nitrate mg/L	0	23.7	25.0	-	-	36	-	382	377	436

Batch: ANIONS,SO4*960607 Method: 300.0 - Inorganic anions in water, Ion chromatograph

	B606449*1	C606871*1		C606877*1		9606142*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Sulfate mg/L	0	47.8	50.0	48.5	50.0	140	-	475	469	538

Batch: DIG,AQ*961331 Method: 3005 - Total Recoverable Metals Digestion

	(BLANK)	(LCS)		(LCSD)		(MTX QC)	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Digestion Date	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96	06/11/96

Batch: AL*961331 Method: 6010 - ICAP Metals

	B606585*1	C6061126*1		C6061127*1		9606121*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Aluminum mg/L	0	1.08	1.00	1.07	1.00	<0.1	-	1.66	1.65	2.00

Batch: CA*961331 Method: 6010 - ICAP Metals

	B606587*1	C6061130*1		C6061131*1		9606121*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Calcium mg/L	0	49.2	50.0	47.6	50.0	80	-	129	127	130

Batch: CU*961331 Method: 6010 - ICAP Metals

	B606581*1	C6061118*1		1119*1		9606121*1	.....	.....	.....
UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T

AQUEOUS SAMPLES

Copper	mg/L	0	1.02	1.00	0.991	1.00	<0.02	-	0.510	0.500	0.500

Batch: FE*961331 Method: 6010 - ICAP Metals

		B606588*1	C6061132*1		C6061133*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Iron	mg/L	0	1.09	1.00	1.06	1.00	<0.04	-	1.12	1.09	1.00

Batch: K*961331 Method: 6010 - ICAP Metals

		B606589*1	C6061134*1		C6061135*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Potassium	mg/L	0	48.8	50.0	47.4	50.0	4.5	-	14.6	14.3	14.5

Batch: MG*961331 Method: 6010 - ICAP Metals

		B606590*1	C6061136*1		C6061137*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Magnesium	mg/L	0	49.6	50.0	48.3	50.0	20	-	70.3	69.1	70.3

Batch: MN*961331 Method: 6010 - ICAP Metals

		B606591*1	C6061138*1		C6061139*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Manganese	mg/L	0	1.02	1.00	0.994	1.00	<0.01	-	0.111	0.108	0.100

Batch: NA*961331 Method: 6010 - ICAP Metals

		B606592*1	C6061140*1		C6061141*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Sodium	mg/L	0	51.5	50.0	50.1	50.0	30	-	81.1	79.9	80.1

Batch: ZN*961331 Method: 6010 - ICAP Metals

		B606584*1	C6061124*1		C6061125*1		9606121*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Zinc	mg/L	0	1	1.00	0.977	1.00	<0.01	-	0.510	0.495	0.500

AQUEOUS SAMPLES

Batch: VOA*96178 Method: 8240 - GC/MS for Volatile Organics

		B6061136*1	C6062142*1	.....	N/A	.....	9606241*4	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	06/17/96	06/17/96	06/17/96	-	-	06/18/96	-	06/17/96	06/17/96	06/18/96
Dilution Factor	Times	1	1	1	-	-	5	-	100	100	100
1,1,1-Trichloroethane	ug/L	0	43.8	50.0	-	-	<5	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	58.2	50.0	-	-	<3	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	55.2	50.0	-	-	<3	-	-	-	-
1,1-Dichloroethane	ug/L	0	51.4	50.0	-	-	<5	-	-	-	-
1,1-Dichloroethene	ug/L	0	49.0	50.0	-	-	<3	-	4200	4290	5000
1,2-Dichloroethane	ug/L	0	41.1	50.0	-	-	190	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	40.5	50.0	-	-	<5	-	-	-	-
1,2-Dichloropropane	ug/L	0	54.3	50.0	-	-	<3	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	40.0	50.0	-	-	<5	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	41.1	50.0	-	-	<5	-	-	-	-
2-Chloroethylvinylether	ug/L	0	39.3	50.0	-	-	<5	-	-	-	-
2-Hexanone	ug/L	0	48.7	50.0	-	-	<30	-	-	-	-
Acetone	ug/L	2.7	27.9	50.0	-	-	<50	-	-	-	-
Acrolein	ug/L	0	397	500	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	227	500	-	-	<300	-	-	-	-
Bromodichloromethane	ug/L	0	56.4	50.0	-	-	<3	-	-	-	-
Bromomethane	ug/L	0	36.1	50.0	-	-	<5	-	-	-	-
Benzene	ug/L	0	54.9	50.0	-	-	67	-	4790	4700	5070
Bromoform	ug/L	0	35.5	50.0	-	-	<5	-	-	-	-
Chlorobenzene	ug/L	0	49.9	50.0	-	-	780	-	5320	5930	5780
Carbon Tetrachloride	ug/L	0	39.8	50.0	-	-	<3	-	-	-	-
Chloroethane	ug/L	0	51.1	50.0	-	-	<5	-	-	-	-
Chloroform	ug/L	0	48.0	50.0	-	-	<3	-	-	-	-
Chloromethane	ug/L	0	54.0	50.0	-	-	<5	-	-	-	-
Carbon Disulfide	ug/L	0	55.6	50.0	-	-	<10	-	-	-	-
Dibromochloromethane	ug/L	0	44.2	50.0	-	-	<5	-	-	-	-
Ethylbenzene	ug/L	0	58.4	50.0	-	-	54	-	-	-	-
Freon 113	ug/L	0	35.6	50.0	-	-	<10	-	-	-	-
Methyl ethyl ketone	ug/L	0	43.6	50.0	-	-	<30	-	-	-	-
Methyl isobutyl ketone	ug/L	0	49.7	50.0	-	-	<20	-	-	-	-
Methylene chloride	ug/L	0	52.3	50.0	-	-	<5	-	-	-	-
Styrene	ug/L	0	51.0	50.0	-	-	<5	-	-	-	-
Trichloroethene	ug/L	0	38.3	50.0	-	-	22	-	3270	3160	5020
Trichlorofluoromethane	ug/L	0	45.2	50.0	-	-	<5	-	-	-	-
Toluene	ug/L	0	58.0	50.0	-	-	<5	-	5090	5270	000

AQUEOUS SAMPLES

Batch: VOA*96178 Method: 8240 - GC/MS for Volatile Organics, con't

		B6061136*1	C6062142*1		N/A		9606241*4				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	36.4	50.0	-	-	<5	-	-	-	-
Vinyl acetate	ug/L	0	42.4	50.0	-	-	<10	-	-	-	-
Vinyl chloride	ug/L	0	61.5	50.0	-	-	<3	-	-	-	-
Total Xylene Isomers	ug/L	0	159	150	-	-	10	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	48.0	50.0	-	-	<5	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	57.0	50.0	-	-	<3	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	47.5	50.0	-	-	<5	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	53.4	50.0	-	-	<5	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	38.3	40.6	50.0	-	-	238	-	4220	4500	5000
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	-	-	250	-	5000	5000	5000
4-Bromofluorobenzene Rep.	ug/L	47.7	46.4	50.0	-	-	242	-	4890	4990	5000
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	250	-	5000	5000	5000
Toluene-d8 Reported	ug/L	51.6	50.5	50.0	-	-	244	-	5080	4960	5000
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	250	-	5000	5000	5000

AQUEOUS SAMPLES

Batch: VOA*96179 Method: 8240 - GC/MS for Volatile Organics

		B6061235*1	C6062332*1		N/A		9606282*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	06/18/96	06/18/96	06/18/96	-	-	-	-	-	-	-
Dilution Factor	Times	1	1	1	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	55.5	50.0	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	54.9	50.0	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	47.2	50.0	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	47.6	50.0	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	49.8	50.0	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	54.4	50.0	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	46.8	50.0	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	47.2	50.0	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	45.8	50.0	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	45.5	50.0	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	32.4	50.0	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	73.7	50.0	-	-	-	-	-	-	-
Acetone	ug/L	5.5	78.0	50.0	-	-	-	-	-	-	-
Acrolein	ug/L	0	1360	1000	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	744	1000	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	46.0	50.0	-	-	-	-	-	-	-
Bromomethane	ug/L	0	33.6	50.0	-	-	-	-	-	-	-
Benzene	ug/L	0	49.4	50.0	-	-	-	-	-	-	-
Bromoform	ug/L	0	55.5	50.0	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	42.5	50.0	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	55.5	50.0	-	-	-	-	-	-	-
Chloroethane	ug/L	0	49.1	50.0	-	-	-	-	-	-	-
Chloroform	ug/L	0	52.7	50.0	-	-	-	-	-	-	-
Chloromethane	ug/L	0	45.3	50.0	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	50.0	50.0	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	48.4	50.0	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	44.4	50.0	-	-	-	-	-	-	-
Freon 113	ug/L	0	55.6	50.0	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	101	50.0	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	57.8	50.0	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	49.6	50.0	-	-	-	-	-	-	-
Styrene	ug/L	0	44.0	50.0	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	50.9	50.0	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	58.5	50.0	-	-	-	-	-	-	-
Toluene	ug/L	0	42.4	50.0	-	-	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA*96179 Method: 8240 - GC/MS for Volatile Organics, con't

		B6061235*1	C6062332*1		N/A		9606282*1				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	44.9	50.0	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	47.2	50.0	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	43.3	50.0	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	135	150	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	48.5	50.0	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	41.8	50.0	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	49.4	50.0	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	44.7	50.0	-	-	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	52.8	60.5	50.0	-	-	-	-	-	-	-
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	-	-	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	49.3	51.9	50.0	-	-	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	-	-	-	-	-
Toluene-d8 Reported	ug/L	47.2	47.2	50.0	-	-	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	-	-	-	-	-

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-338

Received: 15 JUL 96

Mailed: JUL 22 [illegible]

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-1	H-6-70	15 JUL 96

PARAMETER	07-338-1
Volatile Organics (8260)	
Date Analyzed	07/16/96
Dilution Factor, Times	1000
1,1,1,2-Tetrachloroethane, ug/L	<500
1,1,1-Trichloroethane, ug/L	2200
1,1,2,2-Tetrachloroethane, ug/L	<500
1,1,2-Trichloroethane, ug/L	<500
1,1-Dichloroethane, ug/L	<500
1,1-Dichloroethene, ug/L	6900
1,1-Dichloropropene, ug/L	<500
1,2,3-Trichlorobenzene, ug/L	<500
1,2,3-Trichloropropane, ug/L	<1000
1,2,4-Trichlorobenzene, ug/L	<500
1,2,4-Trimethylbenzene, ug/L	<500
1,2-Dibromo-3-chloropropane, ug/L	<2000
1,2-Dibromoethane, ug/L	<500
1,2-Dichloroethane, ug/L	2500
1,2-Dichlorobenzene, ug/L	<500
1,2-Dichloropropane, ug/L	<500
1,3,5-Trimethylbenzene, ug/L	<500
1,3-Dichlorobenzene, ug/L	<500
1,3-Dichloropropane, ug/L	<500
1,4-Dichlorobenzene, ug/L	<500
2,2-Dichloropropane, ug/L	<1000
2-Chloroethylvinylether, ug/L	<4000
2-Chlorotoluene, ug/L	<500
2-Hexanone, ug/L	<5000
4-Chlorotoluene, ug/L	<500

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-1	H-6-70	15 JUL 96

PARAMETER	07-338-1
Acetone, ug/L	26000
Bromobenzene, ug/L	<500
Bromochloromethane, ug/L	<500
Bromodichloromethane, ug/L	<500
Bromomethane, ug/L	<500
Benzene, ug/L	<500
Bromoform, ug/L	<500
Chlorobenzene, ug/L	<500
Carbon Tetrachloride, ug/L	<500
Chloroethane, ug/L	<500
Chloroform, ug/L	22000
Chloromethane, ug/L	<1000
Carbon Disulfide, ug/L	<2000
Dibromochloromethane, ug/L	<500
Dibromomethane, ug/L	<500
Dichlorodifluoromethane, ug/L	<500
Ethylbenzene, ug/L	<500
Freon 113, ug/L	7500
Hexachlorobutadiene, ug/L	<1000
Isopropylbenzene, ug/L	<500
Methyl ethyl ketone, ug/L	<10000
Methyl isobutyl ketone, ug/L	<4000
Methylene chloride, ug/L	110000
N-Butylbenzene, ug/L	<1000
N-Propylbenzene, ug/L	<500
Naphthalene, ug/L	<500
Styrene, ug/L	<500

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-1	H-6-70	15 JUL 96

PARAMETER	07-338-1	
Trichloroethene, ug/L	6300	E
Trichlorofluoromethane, ug/L	4300	
Toluene, ug/L	2900	E
Tetrachloroethene, ug/L	33000	
Vinyl acetate, ug/L	<5000	
Vinyl chloride, ug/L	<500	
cis-1,2-Dichloroethene, ug/L	<500	
m- and p-Xylene Isomers, ug/L	<1000	
o-Xylene, ug/L	<500	
p-Isopropyl toluene, ug/L	<500	
sec-Butylbenzene, ug/L	<500	
trans-1,2-Dichloroethene, ug/L	<500	
tert-Butylbenzene, ug/L	<500	
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	47900	
4-Bromofluorobenzene Theo., ug/L	50000	
Toluene-d8 Reported, ug/L	51600	
Toluene-d8 Theo., ug/L	50000	
Dibromofluoromethane Rep., ug/L	50800	
Dibromofluoromethane Theo., ug/L	50000	

E = Estimated

B C Analytical

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-2	TB-071596A	15 JUL 96

PARAMETER	07-338-2
Volatile Organics (8260)	
Date Analyzed	07/19/96
Dilution Factor, Times	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,1-Dichloropropene, ug/L	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5
1,2,3-Trichloropropane, ug/L	<1
1,2,4-Trichlorobenzene, ug/L	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichlorobenzene, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5
1,3-Dichlorobenzene, ug/L	<0.5
1,3-Dichloropropane, ug/L	<0.5
1,4-Dichlorobenzene, ug/L	<0.5
2,2-Dichloropropane, ug/L	<1
2-Chloroethylvinylether, ug/L	<4
2-Chlorotoluene, ug/L	<0.5
2-Hexanone, ug/L	<5

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LOG NO: G96-07-338

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Mr. Mike Higuchi
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15375 Barranca Parkway, Ste F-106
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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-2	TB-071596A	15 JUL 96

PARAMETER	07-338-2
4-Chlorotoluene, ug/L	<0.5
Acetone, ug/L	<10
Bromobenzene, ug/L	<0.5
Bromochloromethane, ug/L	<0.5
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Chlorobenzene, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Dibromomethane, ug/L	<0.5
Dichlorodifluoromethane, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Freon 113, ug/L	<1
Hexachlorobutadiene, ug/L	<1
Isopropylbenzene, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2
N-Butylbenzene, ug/L	<1
N-Propylbenzene, ug/L	<0.5
Naphthalene, ug/L	2.7

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-338

Received: 15 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-338-2	TB-071596A	15 JUL 96

PARAMETER	07-338-2
Styrene, ug/L	<0.5
Trichloroethene, ug/L	<0.5
Trichlorofluoromethane, ug/L	<0.5
Toluene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
m- and p-Xylene Isomers, ug/L	<1
o-Xylene, ug/L	<0.5
p-Isopropyl toluene, ug/L	<0.5
sec-Butylbenzene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
tert-Butylbenzene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	47.3
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	47.5
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	49.5
Dibromofluoromethane Theo., ug/L	50.0

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801 Western Avenue
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Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 7/15/96 PAGE 1 OF 1

PROJECT NAME: OMEGA	PROJECT No./TASK No.: 445.2
PROJECT MANAGER: MIKE HIGUCHI	Phone No.: (714) 453-8085
QA MANAGER: MIKE PALMER	FAX No.: (619) 454-0165
SAMPLER (SIGNATURE):	SAMPLER (PRINTED): GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-mL VOA VIALS	ANALYSES REQUESTED: 624 ME CHL 8240 & FREONS	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: 24-HOUR TURNAROUND
	TB-071596A	7/15/96	10:30				X	X				X	1	X		
	H-6-70	↓	12:30		X			X				X	2	X		X

Total number of Containers per analysis:

Total No. of Containers:

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA, Attn: L. Colm, 6/6/07236

REMARKS: M. Connolly, L. M. Higuchi, England Avenue, ASAP, (714)453-0722

Relinquished by	Date	Received by	Date
England Avenue	7/15/96	RC Analytical	7/15/96
Company	Time 1325	Company	Time 1325
Relinquished by	Date	Received by:	Date
Company	Time	Laboratory	Time

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☑ No. of containers correct
- ☑ received good condition/cold
- ☐ custody seals secure
- ☑ conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

- ☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
- ☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- ☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla QA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9607338 :
: BC ANALYTICAL : GLEN LAB : 17:52:00 22 JUL 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9607338*1	H-6-70	VOA,8260.HSL	07.16.96	8260	537-03	96420	7430
9607338*2	TB-071596A	VOA,8260.HSL	07.19.96	8260	537-03	96423	7430

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	
Batch: VOA,8260*96420 Method: 8260 - Volatile Organics, GCMS																							
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	95	-	110	-	64	126	14	30	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	105	-	123	Q	54	121	15	30	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	91	-	108	-	66	135	17	30	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	111	-	121	-	59	136	8	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	78	-	89	-	70	135	14	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	83	-	102	-	59	144	21	30	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5	-	99	-	135	Q	49	131	31	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	0.5	-	108	-	128	-	60	130	17	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	71	-	110	-	70	126	44	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.23	0.5	-	109	-	129	Q	61	127	17	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	97	-	114	-	69	130	15	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	96	-	117	-	52	139	19	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	114	-	125	-	69	131	10	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	109	-	122	-	70	131	11	30	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	103	-	119	-	72	127	14	30	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	102	-	119	-	63	123	16	30	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	92	-	106	-	60	126	14	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	102	-	117	-	68	125	14	30	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	95	-	108	-	63	128	13	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.5	-	99	-	114	Q	55	110	14	30	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1	-	70	-	112	-	43	128	46	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	146	-	113	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	83	-	101	-	70	134	19	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	81	-	126	-	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	93	-	110	-	71	137	18	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	87	-	173	-	32	180	66	43	Q	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	85	-	107	-	70	137	24	30	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	106	-	119	-	53	136	11	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	109	-	126	-	60	130	14	30	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	100	-	128	-	49	150	24	30	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	101	-	118	-	58	132	15	30	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	96	-	77	-	59	129	22	30	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5	-	98	-	113	-	69	133	15	30	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	106	-	121	-	54	138	14	30	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	76	-	102	-	62	128	30	30	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	100	-	120	-	62	127	18	30	-	-	-	-	-	-	-	-	-	-	-
Chlorometh	ug/L	0	1	-	58	-	8	-	38	173	35	30	Q	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96420 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	71	-	106	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	96	-	120	-	66	130	22	30	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.5	-	111	-	133	-	62	141	18	30	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.5	-	75	-	107	-	30	150	35	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.5	-	98	-	116	-	71	133	17	30	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	1	-	86	-	107	-	69	121	22	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	95	-	121	-	47	142	24	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	91	-	110	-	70	139	19	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	61	-	98	-	-	-	47	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	111	-	115	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	81	-	99	-	54	150	19	30	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	1	-	101	-	119	-	48	142	17	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.5	-	89	-	104	-	71	137	16	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0.44	0.5	-	121	-	141	Q	73	128	16	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	101	-	116	-	65	129	14	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	107	-	128	-	48	134	18	30	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	0.5	-	84	-	122	Q	43	110	37	30	Q	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.5	-	109	-	126	-	68	130	14	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	99	-	121	-	58	150	20	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	70	-	78	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	75	-	106	-	68	178	34	30	Q	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	67	-	119	-	65	128	55	30	Q	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	1	-	98	-	116	-	67	150	17	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.5	-	103	-	122	-	68	138	17	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	98	-	117	-	56	129	17	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	99	-	118	-	65	140	17	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	84	-	102	-	62	135	19	30	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	98	-	118	-	52	131	18	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	96	-	-	107	-	100	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	102	-	-	111	-	106	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	94	-	-	102	-	100	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	99	-	101	-	64	126	3	30	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	98	-	103	-	54	121	6	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	99	-	97	-	66	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	110	-	113	-	59	136	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	71	-	73	-	70	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	81	-	89	-	59	144	9	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5	-	103	-	109	-	49	131	6	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.15	0.5	-	111	-	116	-	60	130	4	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	80	-	100	-	70	126	22	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	0.5	-	112	-	118	-	61	127	5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	102	-	103	-	69	130	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	113	-	110	-	52	139	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	115	-	119	-	69	131	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	108	-	111	-	70	131	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	106	-	108	-	72	127	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	102	-	104	-	63	123	2	30	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	95	-	96	-	60	126	1	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	105	-	107	-	68	125	2	30	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	98	-	98	-	63	128	0	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.5	-	100	-	103	-	55	110	3	30	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1	-	100	-	102	-	43	128	2	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	172	-	171	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	89	-	89	-	70	134	1	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	114	-	107	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	93	-	99	-	71	137	6	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	151	-	145	-	32	180	4	43	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	89	-	88	-	70	137	2	30	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	101	-	101	-	53	136	0	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	106	-	109	-	60	130	3	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	90	-	102	-	49	150	13	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	102	-	104	-	58	132	2	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	101	-	102	-	59	129	1	30	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5	-	101	-	102	-	69	133	2	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	108	-	118	-	54	138	9	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	72	-	75	-	62	128	4	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	94	-	96	-	62	127	2	30	-	-	-	-	-	-	-	-	-	-
Chlorome[redacted]	ug/L	0	1	-	55	-	[redacted]	-	38	173	0	30	-	-	-	-	-	-	-	-	[redacted]	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	69	-	74	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	100	-	101	-	66	130	0	30	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.5	-	111	-	114	-	62	141	3	30	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.5	-	69	-	80	-	30	150	14	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.5	-	102	-	106	-	71	133	3	30	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	1	-	76	-	88	-	69	121	15	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	103	-	127	-	47	142	21	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	93	-	94	-	70	139	1	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	124	-	78	-	-	-	46	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	118	-	117	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	72	-	76	-	54	150	5	30	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	1	-	105	-	112	-	48	142	7	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.5	-	92	-	94	-	71	137	2	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0.37	0.5	-	127	-	114	-	73	128	11	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	104	-	107	-	65	129	3	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	109	-	114	-	48	134	5	30	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	0.5	-	85	-	98	-	43	110	14	30	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.5	-	109	-	115	-	68	130	5	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	105	-	110	-	58	150	4	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	63	-	61	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	70	-	76	-	68	178	8	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	93	-	94	-	65	128	0	30	-	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	1	-	102	-	104	-	67	150	2	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.5	-	108	-	111	-	68	138	3	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	102	-	107	-	56	129	5	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	104	-	110	-	65	140	6	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	76	-	84	-	62	135	10	30	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	102	-	105	-	52	131	3	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	98	-	-	104	-	107	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	102	-	-	110	-	112	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	104	-	103	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9607338
DATE PRINTED: 22 JUL 1996

AQUEOUS SAMPLES

Batch: VOA,8260*96420 Method: 8260 - Volatile Organics, GCMS

		B6071224*1	C6072264*1	.....	C6072265*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/16/96	07/16/96	07/16/96	07/16/96	07/16/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	47.7	50.0	55.0	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	52.6	50.0	61.4	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	45.5	50.0	53.8	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	55.7	50.0	60.4	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	39.0	50.0	44.7	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	41.5	50.0	51.1	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	49.6	50.0	67.7	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	54.2	50.0	64.1	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	35.3	50.0	55.2	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.23	54.3	50.0	64.6	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	48.7	50.0	56.8	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	48.2	50.0	58.3	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	56.8	50.0	62.5	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	54.4	50.0	61.0	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	51.6	50.0	59.3	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	50.8	50.0	59.7	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	46.1	50.0	53.1	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	50.8	50.0	58.3	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	47.5	50.0	54.0	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	49.7	50.0	57.0	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	35.2	50.0	56.1	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	73.2	50.0	56.7	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	41.6	50.0	50.3	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	40.6	50.0	62.9	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	46.3	50.0	55.2	50.0	-	-	-	-	-
Acetone	ug/L	0	43.7	50.0	86.4	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	42.4	50.0	53.7	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	53.0	50.0	59.3	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	54.7	50.0	63.0	50.0	-	-	-	-	-
Bromomethane	ug/L	0	50.2	50.0	64.2	50.0	-	-	-	-	-
Benzene	ug/L	0	50.6	50.0	58.9	50.0	-	-	-	-	-
Bromoform	ug/L	0	48.0	50.0	38.4	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	48.9	50.0	56.7	50.0	-	-	-	-	-
Carbon Tet[redacted]loride	ug/L	0	52.8	50.0	60.6	50.0	-	-	-	-	-
Chloroethane	ug/L	0	37.8	50.0	50.9	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96420 Method: 8260 - Volatile Organics, GCMS, con't

		B6071224*1	C6072264*1	.....	C6072265*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	50.1	50.0	60.0	50.0	-	-	-	-	-
Chloromethane	ug/L	0	29.2	50.0	41.5	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	35.3	50.0	53.2	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	47.9	50.0	59.9	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	55.3	50.0	66.4	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	37.6	50.0	53.5	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	48.8	50.0	57.8	50.0	-	-	-	-	-
Freon 113	ug/L	0	42.9	50.0	53.4	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	47.3	50.0	60.4	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	45.3	50.0	54.9	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	30.5	50.0	49.2	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	55.5	50.0	57.7	50.0	-	-	-	-	-
Methylene chloride	ug/L	0	40.6	50.0	49.3	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	50.3	50.0	59.6	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	44.5	50.0	52.0	50.0	-	-	-	-	-
Naphthalene	ug/L	0.44	60.4	50.0	70.6	50.0	-	-	-	-	-
Styrene	ug/L	0	50.5	50.0	58.0	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	53.7	50.0	64.0	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	42.0	50.0	61.0	50.0	-	-	-	-	-
Toluene	ug/L	0	54.7	50.0	63.0	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	49.5	50.0	60.4	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	35.0	50.0	39.2	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	37.4	50.0	52.9	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	33.7	50.0	59.4	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	98.0	100	116	100	-	-	-	-	-
o-Xylene	ug/L	0	51.6	50.0	61.0	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	49.2	50.0	58.3	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	49.6	50.0	58.9	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	42.0	50.0	51.0	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	49.0	50.0	58.8	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	48.2	53.5	50.0	49.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	50.8	55.6	50.0	53.2	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	47.2	50.9	50.0	50.1	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS

		B6071562*1	C6072504*1		C6072505*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/18/96	07/18/96	07/18/96	07/18/96	07/18/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	49.4	50.0	50.7	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	48.9	50.0	51.7	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	49.6	50.0	48.3	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	54.9	50.0	56.6	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	35.6	50.0	36.6	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	40.7	50.0	44.7	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	51.7	50.0	54.7	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.15	55.4	50.0	57.9	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	40.1	50.0	50.1	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	56.0	50.0	59.0	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	51.0	50.0	51.6	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	56.4	50.0	54.9	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	57.5	50.0	59.4	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	54.2	50.0	55.3	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	52.9	50.0	54.0	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	51.1	50.0	52.0	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	47.4	50.0	48.1	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	52.6	50.0	53.7	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	49.1	50.0	48.9	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	50.1	50.0	51.5	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	50.1	50.0	50.9	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	85.9	50.0	85.4	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	44.4	50.0	44.7	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	56.8	50.0	53.3	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	46.4	50.0	49.4	50.0	-	-	-	-	-
Acetone	ug/L	0	75.6	50.0	72.4	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	44.6	50.0	43.9	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	50.6	50.0	50.6	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	53.1	50.0	54.7	50.0	-	-	-	-	-
Bromomethane	ug/L	0	44.8	50.0	51.0	50.0	-	-	-	-	-
Benzene	ug/L	0	51.1	50.0	51.9	50.0	-	-	-	-	-
Bromoform	ug/L	0	50.3	50.0	50.8	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	50.4	50.0	51.2	50.0	-	-	-	-	-
Carbon Te[redacted]loride	ug/L	0	54.2	50.0	59.2	50.0	-	-	-	-	-
Chloroethane	ug/L	0	35.8	50.0	37.4	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS, con't

		B6071562*1	C6072504*1		C6072505*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	47.2	50.0	48.0	50.0	-	-	-	-	-
Chloromethane	ug/L	0	27.6	50.0	27.5	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	34.7	50.0	36.9	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	50.2	50.0	50.4	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	55.4	50.0	57.0	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	34.5	50.0	39.8	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	51.2	50.0	53.0	50.0	-	-	-	-	-
Freon 113	ug/L	0	37.8	50.0	43.8	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	51.3	50.0	63.3	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	46.5	50.0	47.2	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	62.2	50.0	38.9	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	58.9	50.0	58.3	50.0	-	-	-	-	-
Methylene chloride	ug/L	0	36.1	50.0	37.8	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	52.6	50.0	56.2	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	46.0	50.0	46.8	50.0	-	-	-	-	-
Naphthalene	ug/L	0.37	63.7	50.0	57.0	50.0	-	-	-	-	-
Styrene	ug/L	0	52.1	50.0	53.6	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	54.6	50.0	57.2	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	42.7	50.0	49.0	50.0	-	-	-	-	-
Toluene	ug/L	0	54.6	50.0	57.4	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	52.6	50.0	55.0	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	31.5	50.0	30.3	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	34.9	50.0	37.9	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	46.6	50.0	46.8	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	102	100	104	100	-	-	-	-	-
o-Xylene	ug/L	0	53.9	50.0	55.5	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	50.9	50.0	53.7	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	51.9	50.0	54.9	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	38.0	50.0	42.2	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	50.9	50.0	52.4	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	48.8	52.0	50.0	53.7	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	50.8	54.9	50.0	55.8	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	48.8	51.8	50.0	51.7	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

August 6, 1996

England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718

Attention: Mr. Mike Higuchi

Subject: 445.2 Omega

Dear Mr. Higuchi:

Del Mar Analytical received a water sample for the Omega project 445.2 on July 15, 1996. The sample was analyzed by EPA method 8240 on July 29, 1996. After receiving notification by Mr. Dennis England that the sample was also analyzed at another laboratory with different results, the original results reported on July 31, 1996 were reviewed for accuracy. All of the quality control associated with the analytical batch was acceptable, however, I asked that the analyst re-analyze the sample for confirmation purposes. The sample was re-analyzed on August 1, 1996. The results from this run were more in line with the results obtained from the second laboratory. No definitive cause could be determined as to why the results would fluctuate. However, it is my opinion that dilution error could have contributed to the discrepancy. Since the sample was highly contaminated, a slight dilution error would be multiplied by a factor of 1000, which could explain the different results.

In addition, Freon 12 and Freon 113, both non-target analytes, were requested to be analyzed by EPA method 8240. The analyst did not calibrate the GCMS for these compounds before the sample was analyzed. Therefore, the Freon 12 and Freon 113 were reported as tentatively identified compounds (TICs). The computer assumes that the response factor for all TICs is 1.0. When the instrument has been calibrated for Freon 113 for other projects, the response factor is known to be 4.23. If the response factor of 4.23 is used for the calculation of Freon 113 rather than the TIC response factor of 1.0, the result would change from 34,000ppb to 8,000ppb.

I sincerely apologize for any inconvenience that this may have caused you. You will not be invoiced for this sample, as we feel that our performance did not meet your analytical needs. If I can be of further assistance, please contact me at (714)261-1022.

Sincerely,

DEL MAR ANALYTICAL

Debbie Ranck
Project Manager

RECEIVED
AUG 07 1996
ENGLAND & ASSOCIATES

Del Mar Analytical

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Mike Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, H-6-70
Lab Number: FG01937

Sampled: Jul 15, 1996
Received: Jul 15, 1[illegible]
Extracted: Jul 29, 1996
Analyzed: Jul 29, 1996
Reported: Jul 31, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**10,000**	**43,000**
Benzene	2,000	N.D.
Bromodichloromethane	2,000	N.D.
Bromoform	2,000	N.D.
Bromomethane	5,000	N.D.
2-Butanone	10,000	N.D.
Carbon disulfide	5,000	N.D.
Carbon tetrachloride	5,000	N.D.
Chlorobenzene	2,000	N.D.
Chlorodibromomethane	2,000	N.D.
Chloroethane	5,000	N.D.
2-Chloroethyl vinyl ether	2,000	N.D.
Chloroform	**2,000**	**33,000**
Chloromethane	5,000	N.D.
1,1-Dichloroethane	2,000	N.D.
1,2-Dichloroethane	**2,000**	**3,200**
1,1-Dichloroethene	**5,000**	**11,000**
cis-1,2-Dichloroethene	2,000	N.D.
trans-1,2-Dichloroethene	2,000	N.D.
1,2-Dichloropropane	2,000	N.D.
cis-1,3-Dichloropropene	2,000	N.D.
trans-1,3-Dichloropropene	2,000	N.D.
Ethylbenzene	2,000	N.D.
2-Hexanone	10,000	N.D.
Methylene chloride	**10,000**	**220,000**
4-Methyl-2-pentanone	5,000	N.D.
Styrene	2,000	N.D.
1,1,2,2-Tetrachloroethane	2,000	N.D.
Tetrachloroethene	**2,000**	**49,000**
Toluene	**2,000**	**3,300**
1,1,1-Trichloroethane	**2,000**	**3,300**
1,1,2-Trichloroethane	2,000	N.D.
Trichloroethene	**2,000**	**7,600**
Trichlorofluoromethane	**5,000**	**6,900**
Vinyl acetate	5,000	N.D.
Vinyl chloride	5,000	N.D.
Total Xylenes	2,000	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1000.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Debbie Ranck
Quality Assurance Officer

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	90%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

England & Associates
15375 Barranca Pkwy., Ste. F-106
[illegible]ne, CA 92718
Attention: Mike Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, H-6-70
Lab Number: FG01937

Sampled: Jul 15, 1996
Received: Jul 15, 1996
Extracted: Aug 1, 1996
Analyzed: Aug 1, 1996
Reported: Aug 2, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**10,000**	**30,000 E**
Benzene	2,000	N.D.
Bromodichloromethane	2,000	N.D.
Bromoform	2,000	N.D.
Bromomethane	5,000	N.D.
2-Butanone	10,000	N.D.
Carbon disulfide	5,000	N.D.
Carbon tetrachloride	5,000	N.D.
Chlorobenzene	2,000	N.D.
Chlorodibromomethane	2,000	N.D.
Chloroethane	5,000	N.D.
2-Chloroethyl vinyl ether	2,000	N.D.
Chloroform	**2,000**	**23,000 E**
Chloromethane	5,000	N.D.
1,1-Dichloroethane	2,000	N.D.
1,2-Dichloroethane	**2,000**	**2,300 E**
1,1-Dichloroethene	**5,000**	**6,100 E**
cis-1,2-Dichloroethene	2,000	N.D.
trans-1,2-Dichloroethene	2,000	N.D.
1,2-Dichloropropane	2,000	N.D.
cis-1,3-Dichloropropene	2,000	N.D.
trans-1,3-Dichloropropene	2,000	N.D.
Ethylbenzene	2,000	N.D.
2-Hexanone	10,000	N.D.
Methylene chloride	**10,000**	**150,000 E**
4-Methyl-2-pentanone	5,000	N.D.
Styrene	2,000	N.D.
1,1,2,2-Tetrachloroethane	2,000	N.D.
Tetrachloroethene	**2,000**	**29,000 E**
Toluene	**2,000**	**2,200 E**
1,1,1-Trichloroethane	2,000	N.D.
1,1,2-Trichloroethane	2,000	N.D.
Trichloroethene	**2,000**	**4,600 E**
Trichlorofluoromethane	5,000	N.D.
Vinyl acetate	5,000	N.D.
Vinyl chloride	5,000	N.D.
Total Xylenes	2,000	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1000.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

E = Estimated

Dabbie Ranck
[illegible]bbie Ranck
Quality Assurance Officer

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	91%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	93%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Mike Higuchi

Client Project ID: 445.2
Omega
Sample Descript: Water, H-6-70
Lab Number: FG01937

Sampled: Jul 15, 1996
Received: Jul 15, 1
Extracted: Jul 29, 1996
Analyzed: Jul 29, 1996
Reported: Jul 31, 1996

VOLATILE ORGANICS by GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Freon 12	40,000	N.D.
Freon 113	40,000	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 2000.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Debbie Ranck
Quality Assurance Officer

Please Note:
All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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England & Associates
15375 Barranca Pkwy., Ste. F-106
Irvine, CA 92718
Attention: Mike Higuchi

Method Blank

Extracted: Jul 29, 1996
Analyzed: Jul 29, 1996
Reported: Jul 31, 1996
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Debbie Ranck
Quality Assurance Officer

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 7/29/96

SAMPLE #: FG02445

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	45	45	90%	90%	0.0%	90%
Chlorobenzene	0	50	53	53	106%	106%	0.0%	106%
1,1-Dichloroethane	0	50	40	41	80%	82%	2.5%	81%
1,2-Dichlororethane	0	50	50	49	100%	98%	2.0%	99%
1,1-Dichloroethene	0	50	46	47	92%	94%	2.2%	93%
Chloroform	0	50	44	45	88%	90%	2.2%	89%
Tetrachloroethene	0	50	52	52	104%	104%	0.0%	104%
Toluene	0	50	49	49	98%	98%	0.0%	98%
Trichloroethene	0	50	48	48	96%	96%	0.0%	96%
Vinyl Chloride	0	50	44	44	88%	88%	0.0%	88%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 7/15/96 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: MIKE HIGUCHI Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER FH ~~FAX~~ No. (619) 454-0165

SAMPLER (SIGNATURE):

SAMPLER (PRINTED): GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 40-mL VOA VIALS	ANALYSES REQUESTED EPA METHOD 8240 + FREONS	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING
	H-6-70	7/15/96	12:30	X			X				X	2	X		

LABORATORY INFORMATION: DEL MAR ANALYTICAL IRVINE, CA

REMARKS: NORMAL TAT

Total number of Containers per analysis:

Total No. of Containers: 2

Relinquished by	Date	Received by	Date
	7/15/96		7/15
Company	Time 1410	Company	Time 1410
Relinquished by	Date	Received by:	Date
Company	Time	Laboratory	Time

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- [X] No. of containers correct
- [X] received good condition/cold
- [X] custody seals secure
- [X] conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121
- [X] 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

B C Analytical

801 Western Avenue
Glendale, CA 91201
[illegible]/247-5737
Fax: 818/247-9797

AMENDED REPORT

AUG 27 [illegible]

LOG NO: G96-07-410

Received: 17 JUL 96
Mailed : 19 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-1	H-9	16 JUL 96

PARAMETER	07-410-1
Volatile Organics (8260)	
Date Analyzed	07/17/96
Dilution Factor, Times	50
1,1,1,2-Tetrachloroethane, ug/L	<30
1,1,1-Trichloroethane, ug/L	270
1,1,2,2-Tetrachloroethane, ug/L	<30
1,1,2-Trichloroethane, ug/L	<30
1,1-Dichloroethane, ug/L	<30
1,1-Dichloroethene, ug/L	3400
1,1-Dichloropropene, ug/L	<30
1,2,3-Trichlorobenzene, ug/L	<30
1,2,3-Trichloropropane, ug/L	<50
1,2,4-Trichlorobenzene, ug/L	<30
1,2,4-Trimethylbenzene, ug/L	<30
1,2-Dibromo-3-chloropropane, ug/L	<100
1,2-Dibromoethane, ug/L	<30
1,2-Dichloroethane, ug/L	<30
1,2-Dichlorobenzene, ug/L	<30
1,2-Dichloropropane, ug/L	<30
1,3,5-Trimethylbenzene, ug/L	<30
1,3-Dichlorobenzene, ug/L	<30
1,3-Dichloropropane, ug/L	<30
1,4-Dichlorobenzene, ug/L	<30
2,2-Dichloropropane, ug/L	<50
2-Chloroethylvinylether, ug/L	<200
2-Chlorotoluene, ug/L	<30
2-Hexanone, ug/L	<300
4-Chlorotoluene, ug/L	<30

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-410

Received: 17 JUL 96
Mailed : 19 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-1	H-9	16 JUL 96

PARAMETER	07-410-1
Acetone, ug/L	<500
Bromobenzene, ug/L	<30
Bromochloromethane, ug/L	<30
Bromodichloromethane, ug/L	<30
Bromomethane, ug/L	<30
Benzene, ug/L	<30
Bromoform, ug/L	<30
Chlorobenzene, ug/L	<30
Carbon Tetrachloride, ug/L	<30
Chloroethane, ug/L	<30
Chloroform, ug/L	<30
Chloromethane, ug/L	<50
Carbon Disulfide, ug/L	<100
Dibromochloromethane, ug/L	<30
Dibromomethane, ug/L	<30
Dichlorodifluoromethane, ug/L	<30
Ethylbenzene, ug/L	<30
Freon 113, ug/L	2100
Hexachlorobutadiene, ug/L	<50
Isopropylbenzene, ug/L	<30
Methyl ethyl ketone, ug/L	<500
Methyl isobutyl ketone, ug/L	<200
Methylene chloride, ug/L	<100
N-Butylbenzene, ug/L	<50
N-Propylbenzene, ug/L	<30
Naphthalene, ug/L	<30
Styrene, ug/L	<30

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-410

Received: 17 JUL 96
Mailed : 19 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-1	H-9	16 JUL 96

PARAMETER	07-410-1
Trichloroethene, ug/L	180
Trichlorofluoromethane, ug/L	630
Toluene, ug/L	<30
Tetrachloroethene, ug/L	2200
Vinyl acetate, ug/L	<300
Vinyl chloride, ug/L	<30
cis-1,2-Dichloroethene, ug/L	<30
m- and p-Xylene Isomers, ug/L	<50
o-Xylene, ug/L	<30
p-Isopropyl toluene, ug/L	<30
sec-Butylbenzene, ug/L	<30
trans-1,2-Dichloroethene, ug/L	<30
tert-Butylbenzene, ug/L	<30
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	2160
4-Bromofluorobenzene Theo., ug/L	2500
Toluene-d8 Reported, ug/L	2320
Toluene-d8 Theo., ug/L	2500
Dibromofluoromethane Rep., ug/L	2350
Dibromofluoromethane Theo., ug/L	2500

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-410

Received: 17 JUL 96
Mailed : 19 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-2	RB-071596	15 JUL 96

PARAMETER	07-410-2
Volatile Organics (8260)	
Date Analyzed	07/19/96
Dilution Factor, Times	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,1-Dichloropropene, ug/L	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5
1,2,3-Trichloropropane, ug/L	<1
1,2,4-Trichlorobenzene, ug/L	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichlorobenzene, ug/L	<0.5
1,2-Dichloropropane, ug/L	5.7
1,3,5-Trimethylbenzene, ug/L	<0.5
1,3-Dichlorobenzene, ug/L	<0.5
1,3-Dichloropropane, ug/L	<0.5
1,4-Dichlorobenzene, ug/L	<0.5
2,2-Dichloropropane, ug/L	<1
2-Chloroethylvinylether, ug/L	<4
2-Chlorotoluene, ug/L	<0.5
2-Hexanone, ug/L	<5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-2	RB-071596	15 JUL 96

PARAMETER	07-410-2
4-Chlorotoluene, ug/L	<0.5
Acetone, ug/L	26
Bromobenzene, ug/L	<0.5
Bromochloromethane, ug/L	<0.5
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Chlorobenzene, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	0.89
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Dibromomethane, ug/L	<0.5
Dichlorodifluoromethane, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Freon 113, ug/L	<1
Hexachlorobutadiene, ug/L	<1
Isopropylbenzene, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2
N-Butylbenzene, ug/L	<1
N-Propylbenzene, ug/L	<0.5
Naphthalene, ug/L	<0.5

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-2	RB-071596	15 JUL 96

PARAMETER	07-410-2
Styrene, ug/L	<0.5
Trichloroethene, ug/L	<0.5
Trichlorofluoromethane, ug/L	<0.5
Toluene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
m- and p-Xylene Isomers, ug/L	<1
o-Xylene, ug/L	<0.5
p-Isopropyl toluene, ug/L	<0.5
sec-Butylbenzene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
tert-Butylbenzene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	46.2
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	49.2
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	47.8
Dibromofluoromethane Theo., ug/L	50.0

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[redacted]247-5737
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-3	H-6-86	15 JUL 96
07-410-4	H-8	16 JUL 96
07-410-5	H-10	16 JUL 96

PARAMETER	07-410-3	07-410-4	07-410-5
Volatile Organics (8260)			
Date Analyzed	07/19/96	07/19/96	07/19/96
Dilution Factor, Times	50	10	10
1,1,2-Tetrachloroethane, ug/L	<30	<5	<5
1,1,1-Trichloroethane, ug/L	290	<5	<5
1,1,2,2-Tetrachloroethane, ug/L	<30	<5	<5
1,1,2-Trichloroethane, ug/L	<30	<5	<5
1,1-Dichloroethane, ug/L	<30	<5	<5
1,1-Dichloroethene, ug/L	1400	<5	280
1,1-Dichloropropene, ug/L	<30	<5	<5
1,2,3-Trichlorobenzene, ug/L	<30	<5	<5
1,2,3-Trichloropropane, ug/L	<50	<10	<10
1,2,4-Trichlorobenzene, ug/L	<30	<5	<5
1,2,4-Trimethylbenzene, ug/L	<30	<5	<5
1,2-Dibromo-3-chloropropane, ug/L	<100	<20	<20
1,2-Dibromoethane, ug/L	<30	<5	<5
1,2-Dichloroethane, ug/L	91	<5	<5
1,2-Dichlorobenzene, ug/L	<30	<5	<5
1,2-Dichloropropane, ug/L	<30	<5	<5
1,3,5-Trimethylbenzene, ug/L	<30	<5	<5
1,3-Dichlorobenzene, ug/L	<30	<5	<5
1,3-Dichloropropane, ug/L	<30	<5	<5
1,4-Dichlorobenzene, ug/L	<30	<5	<5
2,2-Dichloropropane, ug/L	<50	<10	<10
2-Chloroethylvinylether, ug/L	<200	<40	<40

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-3	H-6-86	15 JUL 96
07-410-4	H-8	16 JUL 96
07-410-5	H-10	16 JUL 96

PARAMETER	07-410-3	07-410-4	07-410-5
2-Chlorotoluene, ug/L	<30	<5	<5
2-Hexanone, ug/L	<300	<50	<50
4-Chlorotoluene, ug/L	<30	<5	<5
Acetone, ug/L	<500	<100	<100
Bromobenzene, ug/L	<30	<5	<5
Bromochloromethane, ug/L	<30	<5	<5
Bromodichloromethane, ug/L	<30	<5	<5
Bromomethane, ug/L	<30	<5	<5
Benzene, ug/L	<30	<5	75
Bromoform, ug/L	<30	<5	<5
Chlorobenzene, ug/L	<30	<5	<5
Carbon Tetrachloride, ug/L	<30	<5	<5
Chloroethane, ug/L	<30	<5	<5
Chloroform, ug/L	1300	<5	<5
Chloromethane, ug/L	<50	<10	<10
Carbon Disulfide, ug/L	<100	<20	<20
Dibromochloromethane, ug/L	<30	<5	<5
Dibromomethane, ug/L	<30	<5	<5
Dichlorodifluoromethane, ug/L	<30	<5	<5
Ethylbenzene, ug/L	<30	<5	<5
Freon 113, ug/L	5800	700	760
Hexachlorobutadiene, ug/L	<50	<10	<10
Isopropylbenzene, ug/L	<30	<5	<5
Methyl ethyl ketone, ug/L	<500	<100	<100
Methyl isobutyl ketone, ug/L	<200	<40	<40

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-410-3	H-6-86	15 JUL 96
07-410-4	H-8	16 JUL 96
07-410-5	H-10	16 JUL 96

PARAMETER	07-410-3	07-410-4	07-410-5
Methylene chloride, ug/L	800	<20	<20
N-Butylbenzene, ug/L	<50	<10	<10
N-Propylbenzene, ug/L	<30	<5	<5
Naphthalene, ug/L	<30	<5	<5
Styrene, ug/L	<30	<5	<5
Trichloroethene, ug/L	840	<5	<5
Trichlorofluoromethane, ug/L	2500	620	700
Toluene, ug/L	57	<5	<5
Tetrachloroethene, ug/L	3100	9.5	11
Vinyl acetate, ug/L	<300	<50	<50
Vinyl chloride, ug/L	<30	<5	<5
cis-1,2-Dichloroethene, ug/L	<30	<5	<5
m- and p-Xylene Isomers, ug/L	<50	<10	<10
o-Xylene, ug/L	<30	<5	<5
p-Isopropyl toluene, ug/L	<30	<5	<5
sec-Butylbenzene, ug/L	<30	<5	<5
trans-1,2-Dichloroethene, ug/L	<30	<5	<5
tert-Butylbenzene, ug/L	<30	<5	<5
Surrogates **			
4-Bromofluorobenzene Rep., ug/L	2320	459	460
4-Bromofluorobenzene Theo., ug/L	2500	500	500
Toluene-d8 Reported, ug/L	2480	495	497
Toluene-d8 Theo., ug/L	2500	500	500
Dibromofluoromethane Rep., ug/L	2420	489	497
Dibromofluoromethane Theo., ug/L	2500	500	500

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

AMENDED REPORT: Sample dates corrected for samples H-8 and H-10 from July 15, 1996 to July 16, 1996. (L. Lem 8/96)

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 7/16/16 PAGE 1 OF 1

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445-2
PROJECT MANAGER: MIKE HIGUCHI
Phone No.: (714) 453-8085
QA MANAGER
FAX No.: (619) 4540165
SAMPLER (SIGNATURE):
SAMPLER (PRINTED): GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	MATRIX: Ground-water	MATRIX: Surface water	MATRIX: LAB WATER	PRESERVATION: HCl	PRESERVATION: HNO3	PRESERVATION: NaOH	PRESERVATION: H2SO4	PRESERVATION: Ice	SAMPLE CONTAINERS: 40-ML VOA VIAL	ANALYSES REQUESTED: EPA METHOD 8240 + FREON	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: 24-HR. TURNAROUND
	RR-071596	7/15/16	1350				X	X				X	(2)	X		
	H-6-86	↓	1350		X			X				X	(2)	X		
	H-8	7/16/16	1215		X			X				X	(2)	X		
	H-9	↓	1435		X			X				X	(2)	X		X
	H-10	↓	1635		X			X				X	(2)	X		
Total number of Containers per analysis:													10			Total No. of Containers: 10

LABORATORY INFORMATION: BC ANALYTICAL, WESTERN AVE, GLENDALE, CA, G9607410

REMARKS:

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
	7/16/16	1950	H+A				
Relinquished by:	Date	Time	Company	Received by:	Date	Time	Laboratory
					7/16/16	7:5?	BCA

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
☐ No. of containers correct ☐ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER

☐ 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
☒ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
☐ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9607410 :
: BC ANALYTICAL : GLEN LAB : 17:51:46 22 JUL 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9607410*1	H-9	VOA,8260.HSL	07.17.96	8260	537-02	96247	7424
9607410*2	RB-071596	VOA,8260.HSL	07.19.96	8260	537-03	96423	7430
9607410*3	H-6-86	VOA,8260.HSL	07.19.96	8260	537-03	96423	7430
9607410*4	H-8	VOA,8260.HSL	07.19.96	8260	537-03	96423	7430
9607410*5	H-10	VOA,8260.HSL	07.19.96	8260	537-03	96423	7430

***

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96247 Method: 8260 - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	97	-	98	-	64	126	2	30	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	84	-	84	-	54	121	0	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	90	-	99	-	66	135	9	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	87	-	92	-	59	136	5	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	78	-	78	-	70	135	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	77	-	78	-	59	144	1	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5	-	83	-	83	-	49	131	1	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0	0.5	-	95	-	102	-	60	130	6	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	81	-	90	-	70	126	10	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	0.5	-	91	-	97	-	61	127	6	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	92	-	93	-	69	130	2	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	97	-	111	-	52	139	13	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	91	-	96	-	69	131	6	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	82	-	85	-	70	131	3	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	94	-	97	-	72	127	3	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	78	-	79	-	63	123	1	30	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	93	-	93	-	60	126	0	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	94	-	94	-	68	125	0	30	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	95	-	100	-	63	128	6	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.5	-	94	-	95	-	55	110	1	30	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1	-	78	-	75	-	43	128	4	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	86	-	92	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	95	-	95	-	70	134	0	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	100	-	118	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	97	-	83	-	71	137	15	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	100	-	109	-	32	180	9	43	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	90	-	94	-	70	137	4	30	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	86	-	88	-	53	136	2	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	88	-	88	-	60	130	1	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	81	-	80	-	49	150	1	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	87	-	87	-	58	132	0	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	106	-	115	-	59	129	8	30	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5	-	101	-	100	-	69	133	1	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	88	-	87	-	54	138	1	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	73	-	72	-	62	128	1	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	84	-	85	-	62	127	2	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	70	-	70	-	38	173	1	30	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96247 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	82	-	84	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	101	-	106	-	66	130	4	30	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.5	-	94	-	98	-	62	141	4	30	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.5	-	67	-	68	-	30	150	1	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.5	-	99	-	98	-	71	133	1	30	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	1	-	93	-	93	-	69	121	0	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	94	-	98	-	47	142	3	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	95	-	96	-	70	139	1	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	89	-	100	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	84	-	95	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	80	-	80	-	54	150	1	30	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	1	-	91	-	95	-	48	142	3	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.5	-	93	-	94	-	71	137	1	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0	0.5	-	100	-	114	-	73	128	13	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	102	-	102	-	65	129	1	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	91	-	90	-	48	134	1	30	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	0.5	-	84	-	85	-	43	110	1	30	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.5	-	88	-	88	-	68	130	0	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	105	-	106	-	58	150	1	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	78	-	80	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	71	-	71	-	68	178	0	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	76	-	76	-	65	128	1	30	-	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	1	-	104	-	103	-	67	150	1	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.5	-	100	-	101	-	68	138	0	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	93	-	96	-	56	129	3	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	95	-	97	-	65	140	3	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	76	-	76	-	62	135	0	30	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	92	-	94	-	52	131	2	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	85	-	-	90	-	90	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	92	-	-	95	-	95	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	91	-	-	98	-	98	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC									
				LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS																					
1,1,1,2-Tetrachloroethane	ug/L	0	0.5 -	99	-	101	-	64	126	3	30	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5 -	98	-	103	-	54	121	6	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5 -	99	-	97	-	66	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5 -	110	-	113	-	59	136	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5 -	71	-	73	-	70	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5 -	81	-	89	-	59	144	9	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5 -	103	-	109	-	49	131	6	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.15	0.5 -	111	-	116	-	60	130	4	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1 -	80	-	100	-	70	126	22	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	0.5 -	112	-	118	-	61	127	5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5 -	102	-	103	-	69	130	1	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2 -	113	-	110	-	52	139	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5 -	115	-	119	-	69	131	3	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5 -	108	-	111	-	70	131	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5 -	106	-	108	-	72	127	2	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5 -	102	-	104	-	63	123	2	30	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5 -	95	-	96	-	60	126	1	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5 -	105	-	107	-	68	125	2	30	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5 -	98	-	98	-	63	128	0	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	0.5 -	100	-	103	-	55	110	3	30	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1 -	100	-	102	-	43	128	2	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4 -	172	-	171	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5 -	89	-	89	-	70	134	1	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5 -	114	-	107	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5 -	93	-	99	-	71	137	6	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10 -	151	-	145	-	32	180	4	43	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5 -	89	-	88	-	70	137	2	30	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5 -	101	-	101	-	53	136	0	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5 -	106	-	109	-	60	130	3	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5 -	90	-	102	-	49	150	13	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5 -	102	-	104	-	58	132	2	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5 -	101	-	102	-	59	129	1	30	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5 -	101	-	102	-	69	133	2	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5 -	108	-	118	-	54	138	9	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5 -	72	-	75	-	62	128	4	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5 -	94	-	96	-	62	127	2	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1 -	55	-	55	-	38	173	0	30	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	69	-	74	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	100	-	101	-	66	130	0	30	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.5	-	111	-	114	-	62	141	3	30	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.5	-	69	-	80	-	30	150	14	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.5	-	102	-	106	-	71	133	3	30	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	1	-	76	-	88	-	69	121	15	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	103	-	127	-	47	142	21	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	93	-	94	-	70	139	1	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	124	-	78	-	-	-	46	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	118	-	117	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	72	-	76	-	54	150	5	30	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	1	-	105	-	112	-	48	142	7	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.5	-	92	-	94	-	71	137	2	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0.37	0.5	-	127	-	114	-	73	128	11	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	104	-	107	-	65	129	3	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	109	-	114	-	48	134	5	30	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	0.5	-	85	-	98	-	43	110	14	30	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.5	-	109	-	115	-	68	130	5	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	105	-	110	-	58	150	4	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	63	-	61	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	70	-	76	-	68	178	8	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	93	-	94	-	65	128	0	30	-	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	1	-	102	-	104	-	67	150	2	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.5	-	108	-	111	-	68	138	3	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	102	-	107	-	56	129	5	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	104	-	110	-	65	140	6	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	76	-	84	-	62	135	10	30	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	102	-	105	-	52	131	3	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	98	-	-	104	-	107	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	102	-	-	110	-	112	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	98	-	-	104	-	103	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96247 Method: 8260 - Volatile Organics, GCMS

		B6071480*1	C6072502*1		C6072503*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/17/96	07/17/96	07/17/96	07/17/96	07/17/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	48.4	50.0	49.2	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	42.2	50.0	42.1	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	44.9	50.0	49.3	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	43.7	50.0	46.0	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	38.9	50.0	39.2	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	38.5	50.0	39.0	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	41.6	50.0	41.3	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0	47.7	50.0	50.9	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	40.7	50.0	45.2	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	45.6	50.0	48.6	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	45.9	50.0	46.6	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	48.6	50.0	55.5	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	45.5	50.0	48.2	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	41.1	50.0	42.4	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	47.2	50.0	48.5	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	39.1	50.0	39.5	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	46.5	50.0	46.6	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	46.8	50.0	46.9	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	47.5	50.0	50.2	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	47.2	50.0	47.6	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	39.1	50.0	37.4	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	42.8	50.0	46.0	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	47.7	50.0	47.6	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	50.2	50.0	59.2	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	48.3	50.0	41.4	50.0	-	-	-	-	-
Acetone	ug/L	0	49.8	50.0	54.3	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	45.2	50.0	46.9	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	43.2	50.0	44.2	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	43.8	50.0	44.2	50.0	-	-	-	-	-
Bromomethane	ug/L	0	40.3	50.0	40.0	50.0	-	-	-	-	-
Benzene	ug/L	0	43.6	50.0	43.5	50.0	-	-	-	-	-
Bromoform	ug/L	0	52.9	50.0	57.4	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	50.3	50.0	50.0	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	44.0	50.0	43.6	50.0	-	-	-	-	-
Chloroethane	ug/L	0	36.6	50.0	36.2	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96247 Method: 8260 - Volatile Organics, GCMS, con't

		B6071480*1	C6072502*1		C6072503*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	41.9	50.0	42.6	50.0	-	-	-	-	-
Chloromethane	ug/L	0	34.8	50.0	35.0	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	40.9	50.0	42.1	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	50.7	50.0	52.8	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	47.0	50.0	48.8	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	33.4	50.0	33.9	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	49.6	50.0	49.2	50.0	-	-	-	-	-
Freon 113	ug/L	0	46.3	50.0	46.4	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	47.2	50.0	48.8	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	47.6	50.0	48.1	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	44.5	50.0	49.9	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	41.9	50.0	47.7	50.0	-	-	-	-	-
Methylene chloride	ug/L	0	39.9	50.0	40.2	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	45.7	50.0	47.3	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	46.5	50.0	46.9	50.0	-	-	-	-	-
Naphthalene	ug/L	0	50.1	50.0	56.8	50.0	-	-	-	-	-
Styrene	ug/L	0	50.9	50.0	51.2	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	45.5	50.0	44.9	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	42.1	50.0	42.4	50.0	-	-	-	-	-
Toluene	ug/L	0	44.1	50.0	44.1	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	52.5	50.0	52.9	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	38.9	50.0	39.8	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	35.5	50.0	35.4	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	37.8	50.0	38.2	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	104	100	103	100	-	-	-	-	-
o-Xylene	ug/L	0	50.1	50.0	50.3	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	46.6	50.0	48.0	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	47.4	50.0	48.7	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	37.9	50.0	37.9	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	46.0	50.0	46.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	42.5	44.8	50.0	44.8	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	45.9	47.5	50.0	47.6	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	45.5	49.2	50.0	48.9	50.0	-	-	-	-	-
Dibromofl[redacted]ethane Theo.	ug/L	50.0	50.0	50.0	[redacted]	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS

		B6071562*1	C6072504*1	.....	C6072505*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/18/96	07/18/96	07/18/96	07/18/96	07/18/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	49.4	50.0	50.7	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	48.9	50.0	51.7	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	49.6	50.0	48.3	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	54.9	50.0	56.6	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	35.6	50.0	36.6	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	40.7	50.0	44.7	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	51.7	50.0	54.7	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.15	55.4	50.0	57.9	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	40.1	50.0	50.1	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0	56.0	50.0	59.0	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	51.0	50.0	51.6	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	56.4	50.0	54.9	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	57.5	50.0	59.4	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	54.2	50.0	55.3	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	52.9	50.0	54.0	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	51.1	50.0	52.0	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	47.4	50.0	48.1	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	52.6	50.0	53.7	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	49.1	50.0	48.9	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	50.1	50.0	51.5	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	50.1	50.0	50.9	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	85.9	50.0	85.4	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	44.4	50.0	44.7	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	56.8	50.0	53.3	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	46.4	50.0	49.4	50.0	-	-	-	-	-
Acetone	ug/L	0	75.6	50.0	72.4	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	44.6	50.0	43.9	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	50.6	50.0	50.6	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	53.1	50.0	54.7	50.0	-	-	-	-	-
Bromomethane	ug/L	0	44.8	50.0	51.0	50.0	-	-	-	-	-
Benzene	ug/L	0	51.1	50.0	51.9	50.0	-	-	-	-	-
Bromoform	ug/L	0	50.3	50.0	50.8	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	50.4	50.0	51.2	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	54.2	50.0	59.2	50.0	-	-	-	-	-
Chloroethane	ug/L	0	35.8	50.0	37.4	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96423 Method: 8260 - Volatile Organics, GCMS, con't

		B6071562*1	C6072504*1		C6072505*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	47.2	50.0	48.0	50.0	-	-	-	-	-
Chloromethane	ug/L	0	27.6	50.0	27.5	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	34.7	50.0	36.9	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	50.2	50.0	50.4	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	55.4	50.0	57.0	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	34.5	50.0	39.8	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	51.2	50.0	53.0	50.0	-	-	-	-	-
Freon 113	ug/L	0	37.8	50.0	43.8	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	51.3	50.0	63.3	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	46.5	50.0	47.2	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	62.2	50.0	38.9	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	58.9	50.0	58.3	50.0	-	-	-	-	-
Methylene chloride	ug/L	0	36.1	50.0	37.8	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	52.6	50.0	56.2	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	46.0	50.0	46.8	50.0	-	-	-	-	-
Naphthalene	ug/L	0.37	63.7	50.0	57.0	50.0	-	-	-	-	-
Styrene	ug/L	0	52.1	50.0	53.6	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	54.6	50.0	57.2	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	42.7	50.0	49.0	50.0	-	-	-	-	-
Toluene	ug/L	0	54.6	50.0	57.4	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	52.6	50.0	55.0	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	31.5	50.0	30.3	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	34.9	50.0	37.9	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	46.6	50.0	46.8	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	102	100	104	100	-	-	-	-	-
o-Xylene	ug/L	0	53.9	50.0	55.5	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	50.9	50.0	53.7	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	51.9	50.0	54.9	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	38.0	50.0	42.2	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	50.9	50.0	52.4	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	48.8	52.0	50.0	53.7	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	50.8	54.9	50.0	55.8	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	48.8	51.8	50.0	51.7	50.0	-	-	-	-	-
Dibromofl[redacted]ethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

ANALYTICAL REPORT

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-07-449

Received: 17 JUL 96

Mailed: JUL 24 1996

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-1	H-11	17 JUL 96
07-449-2	H-7	17 JUL 96

PARAMETER	07-449-1	07-449-2
Volatile Organics (8260)		
Date Analyzed	07/20/96	07/23/96
Dilution Factor, Times	50	5
1,1,1,2-Tetrachloroethane, ug/L	<30	<3
1,1,1-Trichloroethane, ug/L	380	3.6
1,1,2,2-Tetrachloroethane, ug/L	<30	<3
1,1,2-Trichloroethane, ug/L	<30	<3
1,1-Dichloroethane, ug/L	<30	<3
1,1-Dichloroethene, ug/L	2400	450
1,1-Dichloropropene, ug/L	<30	<3
1,2,3-Trichlorobenzene, ug/L	<30	<3
1,2,3-Trichloropropane, ug/L	<50	<5
1,2,4-Trichlorobenzene, ug/L	<30	<3
1,2,4-Trimethylbenzene, ug/L	<30	<3
1,2-Dibromo-3-chloropropane, ug/L	<100	<10
1,2-Dibromoethane, ug/L	<30	<3
1,2-Dichloroethane, ug/L	<30	<3
1,2-Dichlorobenzene, ug/L	<30	<3
1,2-Dichloropropane, ug/L	<30	<3
1,3,5-Trimethylbenzene, ug/L	<30	<3
1,3-Dichlorobenzene, ug/L	<30	<3
1,3-Dichloropropane, ug/L	<30	<3
1,4-Dichlorobenzene, ug/L	<30	<3
2,2-Dichloropropane, ug/L	<50	<5
2-Chloroethylvinylether, ug/L	<200	<20
2-Chlorotoluene, ug/L	<30	<3
2-Hexanone, ug/L	<300	<30

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15375 Barranca Parkway, Ste F-106
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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-1	H-11	17 JUL 96
07-449-2	H-7	17 JUL 96

PARAMETER	07-449-1	07-449-2
4-Chlorotoluene, ug/L	<30	<3
Acetone, ug/L	<500	<50
Bromobenzene, ug/L	<30	<3
Bromochloromethane, ug/L	<30	<3
Bromodichloromethane, ug/L	<30	<3
Bromomethane, ug/L	<30	<3
Benzene, ug/L	<30	<3
Bromoform, ug/L	<30	<3
Chlorobenzene, ug/L	<30	<3
Carbon Tetrachloride, ug/L	<30	<3
Chloroethane, ug/L	<30	<3
Chloroform, ug/L	<30	<3
Chloromethane, ug/L	<50	<5
Carbon Disulfide, ug/L	<100	<10
Dibromochloromethane, ug/L	<30	<3
Dibromomethane, ug/L	<30	<3
Dichlorodifluoromethane, ug/L	<30	<3
Ethylbenzene, ug/L	<30	<3
Freon 113, ug/L	1500	1400
Hexachlorobutadiene, ug/L	<50	<5
Isopropylbenzene, ug/L	<30	<3
Methyl ethyl ketone, ug/L	<500	<50
Methyl isobutyl ketone, ug/L	<200	<20
Methylene chloride, ug/L	<100	<10
N-Butylbenzene, ug/L	<50	<5
N-Propylbenzene, ug/L	<30	<3

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-1	H-11	17 JUL 96
07-449-2	H-7	17 JUL 96

PARAMETER	07-449-1	07-449-2
Naphthalene, ug/L	<30	<3
Styrene, ug/L	<30	<3
Trichloroethene, ug/L	120	100
Trichlorofluoromethane, ug/L	590	400
Toluene, ug/L	<30	<3
Tetrachloroethene, ug/L	920	330
Vinyl acetate, ug/L	<300	<30
Vinyl chloride, ug/L	<30	<3
cis-1,2-Dichloroethene, ug/L	<30	<3
m- and p-Xylene Isomers, ug/L	<50	<5
o-Xylene, ug/L	<30	<3
p-Isopropyl toluene, ug/L	<30	<3
sec-Butylbenzene, ug/L	<30	<3
trans-1,2-Dichloroethene, ug/L	<30	<3
tert-Butylbenzene, ug/L	<30	<3
Surrogates **		
4-Bromofluorobenzene Rep., ug/L	2370	227
4-Bromofluorobenzene Theo., ug/L	2500	250
Toluene-d8 Reported, ug/L	2550	233
Toluene-d8 Theo., ug/L	2500	250
Dibromofluoromethane Rep., ug/L	2520	236
Dibromofluoromethane Theo., ug/L	2500	250

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-3	TB-071796	17 JUL 96

PARAMETER	07-449-3
Volatile Organics (8260)	
Date Analyzed	07/20/96
Dilution Factor, Times	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,1-Dichloropropene, ug/L	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5
1,2,3-Trichloropropane, ug/L	<1
1,2,4-Trichlorobenzene, ug/L	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichlorobenzene, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5
1,3-Dichlorobenzene, ug/L	<0.5
1,3-Dichloropropane, ug/L	<0.5
1,4-Dichlorobenzene, ug/L	<0.5
2,2-Dichloropropane, ug/L	<1
2-Chloroethylvinylether, ug/L	<4
2-Chlorotoluene, ug/L	<0.5
2-Hexanone, ug/L	<5

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-3	TB-071796	17 JUL 96

PARAMETER	07-449-3
4-Chlorotoluene, ug/L	<0.5
Acetone, ug/L	<10
Bromobenzene, ug/L	<0.5
Bromochloromethane, ug/L	<0.5
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Chlorobenzene, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Dibromomethane, ug/L	<0.5
Dichlorodifluoromethane, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Freon 113, ug/L	<1
Hexachlorobutadiene, ug/L	<1
Isopropylbenzene, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2
N-Butylbenzene, ug/L	<1
N-Propylbenzene, ug/L	<0.5
Naphthalene, ug/L	<0.5

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LOG NO: G96-07-449

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-449-3	TB-071796	17 JUL 96

PARAMETER	07-449-3
Styrene, ug/L	<0.5
Trichloroethene, ug/L	<0.5
Trichlorofluoromethane, ug/L	<0.5
Toluene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
m- and p-Xylene Isomers, ug/L	<1
o-Xylene, ug/L	<0.5
p-Isopropyl toluene, ug/L	<0.5
sec-Butylbenzene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
tert-Butylbenzene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	46.6
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	48.6
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	49.6
Dibromofluoromethane Theo., ug/L	50.0

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 7/17/96 PAGE 1 OF 1

PROJECT NAME: OMEGA

PROJECT No./TASK No.: 445.2

PROJECT MANAGER: MIKE HIGUCHI

Phone No. (714) 453-8085

QA MANAGER: MIKE PALMER

~~FAX~~ No. (614) 454-0165

SAMPLER (SIGNATURE): [signature]

SAMPLER (PRINTED): GREG CRANHAM

SAMPLE CONTAINERS: 40-ML VOA VIALS

ANALYSES REQUESTED: EPA METHOD 8240 + FREONS

ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S

SPECIAL HANDLING

LABORATORY INFORMATION: BC ANALYTICAL, WESTERN AVE., GLENDALE, CA (DELIVER TO ANAHEIM LOCATION)

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	MATRIX LAB WATER	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	40-ML VOA VIALS	EPA METHOD 8240 + FREONS	REMARKS
	TB-071796	7/17/96	0750				X	X				X	2	X	
	H-11	↓	1100		X			X				X	2	X	FAX
	H-7	↓	1225		X			X				X	2	X	PRELIMINARY RESULTS TO MIKE HIGUCHI (714) 453-0733 WHEN AVAILABLE

Total number of Containers per analysis: 6

Total No. of Containers: 6

Relinquished by:	Date	Received by:	Date
[signature]	7/17	[signature]	7/17/96
Company: H+A	Time: 1425	Company: [illegible]	Time: [illegible]

Relinquished by:	Date	Received by:	Date
		[signature]	7/17/96
Company:	Time:	Laboratory: BC Analytical	Time: 1425

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- [x] No. of containers correct
- [x] received good condition/cold
- [x] custody se[illegible]ecure
- [x] conforms to COC document

Shipment Method: HAND DELIVER

Send Results to: MIKE PALMER

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
- [x] 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, CA
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

: ORDER PLACED FOR CLIENT: England and Associates 9607449 :
: BC ANALYTICAL : GLEN LAB : 12:36:58 24 JUL 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9607449*1	H-11	VOA,8260.HSL	07.20.96	8260	537-03	96424	7430
9607449*2	H-7	VOA,8260.HSL	07.23.96	8260	537-03	96425	7430
9607449*3	TB-071796	VOA,8260.HSL	07.20.96	8260	537-03	96424	7430

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Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	106	-	-	-	64	126	-	-	-	105	-	101	-	64	126	4	30	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	104	-	-	-	54	121	-	-	-	103	-	99	-	56	139	4	30	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	102	-	-	-	66	135	-	-	-	80	-	84	-	66	131	5	30	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	121	-	-	-	59	136	-	-	-	111	-	108	-	57	156	3	30	-
1,1-Dichloroethane	ug/L	0	0.5	-	79	-	-	-	70	135	-	-	-	66	-	71	-	59	140	8	30	-
1,1-Dichloroethene	ug/L	0	0.5	-	89	-	-	-	59	144	-	-	-	81	-	87	-	71	126	6	30	-
1,1-Dichloropropene	ug/L	0	0.5	-	105	-	-	-	49	131	-	-	-	109	-	102	-	-	-	7	-	-
1,2,3-Trichlorobenzene	ug/L	0.19	0.5	-	124	-	-	-	60	130	-	-	-	112	-	115	-	-	-	2	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	82	-	-	-	70	126	-	-	-	66	-	69	-	-	-	4	-	-
1,2,4-Trichlorobenzene	ug/L	0.18	0.5	-	124	-	-	-	61	127	-	-	-	119	-	114	-	-	-	4	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	107	-	-	-	69	130	-	-	-	90	-	88	-	-	-	3	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	120	-	-	-	52	139	-	-	-	100	-	102	-	-	-	2	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	126	-	-	-	69	131	-	-	-	113	-	111	-	-	-	2	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	116	-	-	-	70	131	-	-	-	110	-	108	-	62	147	2	30	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	113	-	-	-	72	127	-	-	-	109	-	105	-	62	131	4	30	-
1,2-Dichloropropane	ug/L	0	0.5	-	108	-	-	-	63	123	-	-	-	92	-	95	-	64	147	3	30	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	97	-	-	-	60	126	-	-	-	77	-	74	-	-	-	4	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	112	-	-	-	68	125	-	-	-	108	-	104	-	59	155	4	30	-
1,3-Dichloropropane	ug/L	0	0.5	-	104	-	-	-	63	128	-	-	-	94	-	92	-	-	-	2	-	-
1,4-Dichlorobenzene	ug/L	0	0.5	-	109	-	-	-	55	110	-	-	-	103	-	99	-	60	129	4	30	-
2,2-Dichloropropane	ug/L	0	1	-	102	-	-	-	43	128	-	-	-	84	-	81	-	-	-	4	-	-
2-Chloroethylvinylether	ug/L	0	4	-	194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	94	-	-	-	70	134	-	-	-	81	-	84	-	-	-	4	-	-
2-Hexanone	ug/L	0	5	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	99	-	-	-	71	137	-	-	-	88	-	88	-	-	-	1	-	-
Acetone	ug/L	0	10	-	114	-	-	-	32	180	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	90	-	-	-	70	137	-	-	-	91	-	94	-	70	137	3	30	-
Bromochloromethane	ug/L	0	0.5	-	111	-	-	-	53	136	-	-	-	98	-	95	-	-	-	4	-	-
Bromodichloromethane	ug/L	0	0.5	-	114	-	-	-	60	130	-	-	-	110	-	106	-	60	130	4	30	-
Bromomethane	ug/L	0	0.5	-	102	-	-	-	49	150	-	-	-	65	-	96	-	49	150	38	30	Q
Benzene	ug/L	0	0.5	-	108	-	-	-	58	132	-	-	-	100	-	99	-	78	123	1	30	-
Bromoform	ug/L	0	0.5	-	110	-	-	-	59	129	-	-	-	104	-	100	-	59	129	4	30	-
Chlorobenzene	ug/L	0	0.5	-	107	-	-	-	69	133	-	-	-	105	-	101	-	80	116	3	30	-
Carbon Tetrachloride	ug/L	0	0.5	-	111	-	-	-	54	138	-	-	-	128	-	118	-	54	138	8	30	-
Chloroethane	ug/L	0	0.5	-	81	-	-	-	62	128	-	-	-	64	-	75	-	62	128	15	30	-
Chloroform	ug/L	0	0.5	-	105	-	-	-	62	127	-	-	-	97	-	94	-	62	127	3	30	-
Chloromethan	ug/L	0	1	-	64	-	-	-	38	173	-	-	-	49	-	59	-	38	173	20	30	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	107	-	-	-	66	130	-	-	-	101	-	98	-	66	130	4	30	-
Dibromomethane	ug/L	0	0.5	-	120	-	-	-	62	141	-	-	-	113	-	108	-	62	141	4	30	-
Dichlorodifluoromethane	ug/L	0	0.5	-	72	-	-	-	30	150	-	-	-	77	-	79	-	-	-	2	-	-
Ethylbenzene	ug/L	0	0.5	-	108	-	-	-	71	133	-	-	-	109	-	103	-	71	133	6	30	-
Freon 113	ug/L	0	1	-	79	-	-	-	69	121	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	107	-	-	-	47	142	-	-	-	116	-	102	-	-	-	13	-	-
Isopropylbenzene	ug/L	0	0.5	-	94	-	-	-	70	139	-	-	-	87	-	85	-	-	-	3	-	-
Methyl ethyl ketone	ug/L	0	10	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	1.1	2	-	89	-	-	-	54	150	-	-	-	66	-	74	-	54	150	13	30	-
N-Butylbenzene	ug/L	0	1	-	111	-	-	-	48	142	-	-	-	112	-	103	-	-	-	9	-	-
N-Propylbenzene	ug/L	0	0.5	-	93	-	-	-	71	137	-	-	-	85	-	84	-	-	-	2	-	-
Naphthalene	ug/L	0.38	0.5	-	140	Q	-	-	73	128	-	-	-	116	-	118	-	-	-	2	-	-
Styrene	ug/L	0	0.5	-	112	-	-	-	65	129	-	-	-	97	-	92	-	65	129	5	30	-
Trichloroethene	ug/L	0	0.5	-	115	-	-	-	48	134	-	-	-	117	-	110	-	74	120	6	30	-
Trichlorofluoromethane	ug/L	0	0.5	-	91	-	-	-	43	110	-	-	-	96	-	94	-	43	110	2	30	-
Toluene	ug/L	0	0.5	-	117	-	-	-	68	130	-	-	-	111	-	108	-	57	140	3	30	-
Tetrachloroethene	ug/L	0	0.5	-	108	-	-	-	58	150	-	-	-	117	-	106	-	58	150	9	30	-
Vinyl acetate	ug/L	0	5	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	77	-	-	-	68	178	-	-	-	76	-	78	-	68	178	3	30	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	101	-	-	-	65	128	-	-	-	84	-	88	-	65	128	4	30	-
m- and p-Xylene Isomers	ug/L	0	1	-	108	-	-	-	67	150	-	-	-	105	-	98	-	-	-	7	-	-
o-Xylene	ug/L	0	0.5	-	116	-	-	-	68	138	-	-	-	111	-	105	-	-	-	6	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	106	-	-	-	56	129	-	-	-	104	-	97	-	-	-	7	-	-
sec-Butylbenzene	ug/L	0	0.5	-	108	-	-	-	65	140	-	-	-	107	-	102	-	-	-	5	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	85	-	-	-	62	135	-	-	-	74	-	81	-	62	135	10	30	-
tert-Butylbenzene	ug/L	0	0.5	-	104	-	-	-	52	131	-	-	-	101	-	97	-	-	-	4	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	106	-	-	-	80	111	-	-	-	106	-	107	-	80	111	-	-	-
[Toluene-d8]	Percent	101	-	-	110	-	-	-	80	113	-	-	-	105	-	107	-	80	113	-	-	-
[Dibromofluoromethane]	Percent	95	-	-	105	-	-	-	80	114	-	-	-	104	-	104	-	80	114	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	103	-	110	-	64	126	6	30	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	100	-	105	-	54	121	4	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	87	-	89	-	66	135	2	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	89	-	95	-	59	136	6	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	99	-	102	-	70	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	97	-	104	-	59	144	7	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5	-	98	-	123	-	49	131	23	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	0.5	-	93	-	97	-	60	130	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	82	-	84	-	70	126	2	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.21	0.5	-	96	-	103	-	61	127	7	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	104	-	111	-	69	130	7	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	78	-	78	-	52	139	0	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	89	-	94	-	69	131	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	96	-	101	-	70	131	4	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	95	-	101	-	72	127	6	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	110	-	115	-	63	123	4	30	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	106	-	114	-	60	126	7	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	97	-	104	-	68	125	7	30	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	95	-	99	-	63	128	4	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.10	0.5	-	95	-	102	-	55	110	7	30	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1	-	104	-	53	-	43	128	66	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	32	-	0	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	103	-	111	-	70	134	8	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	70	-	69	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	108	-	112	-	71	137	4	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	32	-	33	-	32	180	2	43	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	119	-	115	-	70	137	3	30	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	97	-	102	-	53	136	5	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	101	-	107	-	60	130	5	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	94	-	88	-	49	150	6	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	103	-	106	-	58	132	3	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	87	-	92	-	59	129	6	30	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5	-	101	-	108	-	69	133	6	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	112	-	119	-	54	138	6	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	102	-	101	-	62	128	1	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	99	-	103	-	62	127	4	30	-	-	-	-	-	-	-	-	-	-
Chlorometha	ug/L	0	1	-	83	-	9	-	38	173	8	30	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	
Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS, con't																							
Carbon Disulfide	ug/L	0	2	-	100	-	105	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	
Dibromochloromethane	ug/L	0	0.5	-	99	-	103	-	66	130	4	30	-	-	-	-	-	-	-	-	-	-	
Dibromomethane	ug/L	0	0.5	-	90	-	95	-	62	141	6	30	-	-	-	-	-	-	-	-	-	-	
Dichlorodifluoromethane	ug/L	0	0.5	-	59	-	62	-	30	150	6	-	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene	ug/L	0	0.5	-	102	-	111	-	71	133	8	30	-	-	-	-	-	-	-	-	-	-	
Freon 113	ug/L	0	1	-	96	-	102	-	69	121	7	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobutadiene	ug/L	0	1	-	99	-	109	-	47	142	9	-	-	-	-	-	-	-	-	-	-	-	
Isopropylbenzene	ug/L	0	0.5	-	110	-	117	-	70	139	6	-	-	-	-	-	-	-	-	-	-	-	
Methyl ethyl ketone	ug/L	0	10	-	76	-	81	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	
Methyl isobutyl ketone	ug/L	0	4	-	65	-	58	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	
Methylene chloride	ug/L	0.87	2	-	97	-	101	-	54	150	4	30	-	-	-	-	-	-	-	-	-	-	
N-Butylbenzene	ug/L	0	1	-	100	-	109	-	48	142	8	-	-	-	-	-	-	-	-	-	-	-	
N-Propylbenzene	ug/L	0	0.5	-	106	-	114	-	71	137	7	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	ug/L	0.32	0.5	-	81	-	79	-	73	128	2	-	-	-	-	-	-	-	-	-	-	-	
Styrene	ug/L	0	0.5	-	100	-	107	-	65	129	6	30	-	-	-	-	-	-	-	-	-	-	
Trichloroethene	ug/L	0	0.5	-	106	-	113	-	48	134	6	30	-	-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	ug/L	0	0.5	-	96	-	102	-	43	110	6	30	-	-	-	-	-	-	-	-	-	-	
Toluene	ug/L	0	0.5	-	102	-	110	-	68	130	8	30	-	-	-	-	-	-	-	-	-	-	
Tetrachloroethene	ug/L	0	0.5	-	103	-	112	-	58	150	9	30	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate	ug/L	0	5	-	62	-	77	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	
Vinyl chloride	ug/L	0	0.5	-	91	-	89	-	68	178	2	30	-	-	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene	ug/L	0	0.5	-	107	-	564	Q	65	128	136	30	Q	-	-	-	-	-	-	-	-	-	
m- and p-Xylene Isomers	ug/L	0	1	-	101	-	106	-	67	150	5	-	-	-	-	-	-	-	-	-	-	-	
o-Xylene	ug/L	0	0.5	-	100	-	107	-	68	138	7	-	-	-	-	-	-	-	-	-	-	-	
p-Isopropyl toluene	ug/L	0	0.5	-	104	-	112	-	56	129	7	-	-	-	-	-	-	-	-	-	-	-	
sec-Butylbenzene	ug/L	0	0.5	-	104	-	113	-	65	140	8	-	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	ug/L	0	0.5	-	98	-	105	-	62	135	8	30	-	-	-	-	-	-	-	-	-	-	
tert-Butylbenzene	ug/L	0	0.5	-	106	-	115	-	52	131	8	-	-	-	-	-	-	-	-	-	-	-	
[4-Bromofluorobenzene]	Percent	94	-	-	97	-	100	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-	
[Toluene-d8]	Percent	96	-	-	102	-	103	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-	
[Dibromofluoromethane]	Percent	94	-	-	101	-	102	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-	

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9607449
DATE PRINTED: 24 JUL 1996

AQUEOUS SAMPLES

Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS

		B6071582*1	C6072706*1	.....	N/A	.....	9607386*6	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/19/96	07/19/96	07/19/96	-	-	07/19/96	-	07/19/96	07/19/96	07/19/96
Dilution Factor	Times	1	1	1	-	-	1	-	1	1	1
1,1,1,2-Tetrachloroethane	ug/L	0	52.9	50.0	-	-	0	-	52.6	50.4	50.0
1,1,1-Trichloroethane	ug/L	0	52.2	50.0	-	-	0	-	51.6	49.6	50.0
1,1,2,2-Tetrachloroethane	ug/L	0	50.9	50.0	-	-	0	-	40.1	42.1	50.0
1,1,2-Trichloroethane	ug/L	0	60.4	50.0	-	-	0	-	55.6	53.9	50.0
1,1-Dichloroethane	ug/L	0	39.4	50.0	-	-	0	-	32.9	35.6	50.0
1,1-Dichloroethene	ug/L	0	44.4	50.0	-	-	0	-	40.6	43.3	50.0
1,1-Dichloropropene	ug/L	0	52.5	50.0	-	-	0	-	54.5	51.0	50.0
1,2,3-Trichlorobenzene	ug/L	0.19	62.0	50.0	-	-	0	-	56.2	57.3	50.0
1,2,3-Trichloropropane	ug/L	0	41.0	50.0	-	-	0	-	33.1	34.4	50.0
1,2,4-Trichlorobenzene	ug/L	0.18	62.0	50.0	-	-	0	-	59.6	57.2	50.0
1,2,4-Trimethylbenzene	ug/L	0	53.6	50.0	-	-	0	-	45.2	43.8	50.0
1,2-Dibromo-3-chloropropane	ug/L	0	60.1	50.0	-	-	0	-	49.9	50.9	50.0
1,2-Dibromoethane	ug/L	0	62.8	50.0	-	-	0	-	56.7	55.6	50.0
1,2-Dichloroethane	ug/L	0	58.0	50.0	-	-	0	-	55.1	53.8	50.0
1,2-Dichlorobenzene	ug/L	0	56.7	50.0	-	-	0	-	54.5	52.4	50.0
1,2-Dichloropropane	ug/L	0	54.2	50.0	-	-	0	-	46.2	47.5	50.0
1,3,5-Trimethylbenzene	ug/L	0	48.7	50.0	-	-	0	-	38.6	37.2	50.0
1,3-Dichlorobenzene	ug/L	0	55.9	50.0	-	-	0	-	53.9	51.9	50.0
1,3-Dichloropropane	ug/L	0	52.2	50.0	-	-	0	-	46.9	46.2	50.0
1,4-Dichlorobenzene	ug/L	0	54.6	50.0	-	-	0	-	51.7	49.7	50.0
2,2-Dichloropropane	ug/L	0	51.1	50.0	-	-	0	-	42.0	40.3	50.0
2-Chloroethylvinylether	ug/L	0	97.2	50.0	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	46.9	50.0	-	-	0	-	40.3	41.9	50.0
2-Hexanone	ug/L	0	45.0	50.0	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	49.6	50.0	-	-	0	-	43.9	44.2	50.0
Acetone	ug/L	0	56.9	50.0	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	45.2	50.0	-	-	0	-	45.5	47.0	50.0
Bromochloromethane	ug/L	0	55.7	50.0	-	-	0	-	49.2	47.5	50.0
Bromodichloromethane	ug/L	0	57.2	50.0	-	-	0	-	55.1	53.1	50.0
Bromomethane	ug/L	0	51.0	50.0	-	-	0	-	32.7	47.8	50.0
Benzene	ug/L	0	53.9	50.0	-	-	0	-	50.2	49.5	50.0
Bromoform	ug/L	0	54.9	50.0	-	-	0	-	52.0	49.9	50.0
Chlorobenzene	ug/L	0	53.5	50.0	-	-	0	-	52.4	50.6	50.0
Carbon Tet[redacted]loride	ug/L	0	55.3	50.0	-	-	0	-	63.9	58.9	[redacted]0
Chloroethan[redacted]	ug/L	0	40.5	50.0	-	-	0	-	32.1	37.3	[redacted]0

AQUEOUS SAMPLES

Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS, con't

		B6071582*1	C6072706*1	.....	N/A	.....	9607386*6	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	52.6	50.0	-	-	0	-	48.3	47.0	50.0
Chloromethane	ug/L	0	32.0	50.0	-	-	0	-	24.3	29.7	50.0
Carbon Disulfide	ug/L	0	36.5	50.0	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	53.6	50.0	-	-	0	-	50.7	48.8	50.0
Dibromomethane	ug/L	0	60.0	50.0	-	-	0	-	56.4	54.2	50.0
Dichlorodifluoromethane	ug/L	0	36.1	50.0	-	-	0	-	38.7	39.6	50.0
Ethylbenzene	ug/L	0	53.8	50.0	-	-	0	-	54.7	51.4	50.0
Freon 113	ug/L	0	39.3	50.0	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	53.7	50.0	-	-	0	-	57.9	50.8	50.0
Isopropylbenzene	ug/L	0	47.1	50.0	-	-	0	-	43.7	42.5	50.0
Methyl ethyl ketone	ug/L	0	29.2	50.0	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	64.5	50.0	-	-	-	-	-	-	-
Methylene chloride	ug/L	1.1	44.6	50.0	-	-	0	-	32.8	37.2	50.0
N-Butylbenzene	ug/L	0	55.6	50.0	-	-	0	-	56.0	51.3	50.0
N-Propylbenzene	ug/L	0	46.7	50.0	-	-	0	-	42.7	41.9	50.0
Naphthalene	ug/L	0.38	70.2	50.0	-	-	0	-	57.9	59.2	50.0
Styrene	ug/L	0	56.2	50.0	-	-	0	-	48.4	46.0	50.0
Trichloroethene	ug/L	0	57.4	50.0	-	-	0	-	58.5	55.2	50.0
Trichlorofluoromethane	ug/L	0	45.4	50.0	-	-	0	-	48.1	47.2	50.0
Toluene	ug/L	0	58.5	50.0	-	-	0	-	55.4	53.8	50.0
Tetrachloroethene	ug/L	0	54.0	50.0	-	-	0	-	58.4	53.2	50.0
Vinyl acetate	ug/L	0	34.0	50.0	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	38.3	50.0	-	-	0	-	38.1	39.2	50.0
cis-1,2-Dichloroethene	ug/L	0	50.4	50.0	-	-	0	-	42.0	43.9	50.0
m- and p-Xylene Isomers	ug/L	0	108	100	-	-	0	-	105	97.8	100
o-Xylene	ug/L	0	57.9	50.0	-	-	0	-	55.6	52.3	50.0
p-Isopropyl toluene	ug/L	0	53.2	50.0	-	-	0	-	52.0	48.6	50.0
sec-Butylbenzene	ug/L	0	53.8	50.0	-	-	0	-	53.6	50.8	50.0
trans-1,2-Dichloroethene	ug/L	0	42.5	50.0	-	-	0	-	36.9	40.6	50.0
tert-Butylbenzene	ug/L	0	52.0	50.0	-	-	0	-	50.4	48.5	50.0
4-Bromofluorobenzene Rep.	ug/L	47.2	53.0	50.0	-	-	46.9	-	53.0	53.7	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	50.4	54.9	50.0	-	-	48.5	-	52.7	53.4	50.0
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	47.7	52.5	50.0	-	-	49.5	-	51.8	51.8	50.0
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0

AQUEOUS SAMPLES

Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS

		B6071737*1	C6071632*1		C6071633*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/22/96	07/22/96	07/22/96	07/22/96	07/22/96	-	-	-	-	-
Dilution Factor	Times	1	1	1000	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	51.7	50.0	55.0	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	50.0	50.0	52.3	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	43.7	50.0	44.4	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	44.7	50.0	47.3	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	49.3	50.0	51.0	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	48.5	50.0	51.8	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	49.0	50.0	61.6	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	46.3	50.0	48.7	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	41.2	50.0	41.9	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.21	48.1	50.0	51.6	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	51.8	50.0	55.6	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	38.8	50.0	38.9	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	44.3	50.0	46.8	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	48.2	50.0	50.3	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	47.6	50.0	50.7	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	55.1	50.0	57.5	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	52.9	50.0	56.8	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	48.7	50.0	52.1	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	47.5	50.0	49.4	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.10	47.6	50.0	50.9	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	52.2	50.0	26.4	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	15.8	50.0	0	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	51.4	50.0	55.6	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	35.0	50.0	34.5	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	54.0	50.0	56.2	50.0	-	-	-	-	-
Acetone	ug/L	0	16.2	50.0	16.5	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	59.5	50.0	57.5	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	48.6	50.0	50.9	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	50.6	50.0	53.3	50.0	-	-	-	-	-
Bromomethane	ug/L	0	47.0	50.0	44.2	50.0	-	-	-	-	-
Benzene	ug/L	0	51.6	50.0	53.2	50.0	-	-	-	-	-
Bromoform	ug/L	0	43.6	50.0	46.2	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	50.7	50.0	54.1	50.0	-	-	-	-	-
Carbon Tet[redacted]loride	ug/L	0	55.9	50.0	59.5	50.0	-	-	-	-	-
Chloroetha[redacted]	ug/L	0	51.2	50.0	50.5	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS, con't

		B6071737*1	C6071632*1	.....	C6071633*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	49.6	50.0	51.7	50.0	-	-	-	-	-
Chloromethane	ug/L	0	41.7	50.0	45.0	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	50.1	50.0	52.4	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	49.5	50.0	51.7	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	44.9	50.0	47.7	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	29.3	50.0	31.1	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	51.2	50.0	55.4	50.0	-	-	-	-	-
Freon 113	ug/L	0	47.9	50.0	51.2	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	49.6	50.0	54.3	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	54.8	50.0	58.3	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	38.0	50.0	40.5	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	32.7	50.0	29.2	50.0	-	-	-	-	-
Methylene chloride	ug/L	0.87	48.6	50.0	50.6	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	50.2	50.0	54.6	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	53.0	50.0	57.0	50.0	-	-	-	-	-
Naphthalene	ug/L	0.32	40.3	50.0	39.6	50.0	-	-	-	-	-
Styrene	ug/L	0	50.1	50.0	53.3	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	52.9	50.0	56.4	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	47.9	50.0	50.8	50.0	-	-	-	-	-
Toluene	ug/L	0	50.8	50.0	55.0	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	51.4	50.0	56.2	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	30.8	50.0	38.7	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	45.4	50.0	44.7	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	53.5	50.0	282	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	101	100	106	100	-	-	-	-	-
o-Xylene	ug/L	0	50.0	50.0	53.4	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	52.0	50.0	55.8	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	52.0	50.0	56.5	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	48.8	50.0	52.7	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	53.2	50.0	57.4	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	46.9	48.4	50.0	49.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	47.8	51.0	50.0	51.4	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	47.1	50.7	50.0	51.1	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

ANALYTICAL REPORT

B C Analytical

801 Western Avenue
Glendale, CA 91201
[illegible]247-5737
Fax: 818/247-9797

LOG NO: G96-07-551

Received: 19 JUL 96

Mailed: JUL 24 1996

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-1	H-13	19 JUL 96

PARAMETER	07-551-1
Volatile Organics (8260)	
Date Analyzed	07/22/96
Dilution Factor, Times	50
1,1,1,2-Tetrachloroethane, ug/L	<30
1,1,1-Trichloroethane, ug/L	180
1,1,2,2-Tetrachloroethane, ug/L	<30
1,1,2-Trichloroethane, ug/L	<30
1,1-Dichloroethane, ug/L	<30
1,1-Dichloroethene, ug/L	1700
1,1-Dichloropropene, ug/L	<30
1,2,3-Trichlorobenzene, ug/L	<30
1,2,3-Trichloropropane, ug/L	<50
1,2,4-Trichlorobenzene, ug/L	<30
1,2,4-Trimethylbenzene, ug/L	<30
1,2-Dibromo-3-chloropropane, ug/L	<100
1,2-Dibromoethane, ug/L	<30
1,2-Dichloroethane, ug/L	<30
1,2-Dichlorobenzene, ug/L	<30
1,2-Dichloropropane, ug/L	<30
1,3,5-Trimethylbenzene, ug/L	<30
1,3-Dichlorobenzene, ug/L	<30
1,3-Dichloropropane, ug/L	<30
1,4-Dichlorobenzene, ug/L	<30
2,2-Dichloropropane, ug/L	<50
2-Chloroethylvinylether, ug/L	<200
2-Chlorotoluene, ug/L	<30
2-Hexanone, ug/L	<300
4-Chlorotoluene, ug/L	<30

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-07-551

Received: 19 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-1	H-13	19 JUL 96

PARAMETER	07-551-1
Acetone, ug/L	<500
Bromobenzene, ug/L	<30
Bromochloromethane, ug/L	<30
Bromodichloromethane, ug/L	<30
Bromomethane, ug/L	<30
Benzene, ug/L	<30
Bromoform, ug/L	<30
Chlorobenzene, ug/L	<30
Carbon Tetrachloride, ug/L	<30
Chloroethane, ug/L	<30
Chloroform, ug/L	78
Chloromethane, ug/L	<50
Carbon Disulfide, ug/L	<100
Dibromochloromethane, ug/L	<30
Dibromomethane, ug/L	<30
Dichlorodifluoromethane, ug/L	<30
Ethylbenzene, ug/L	<30
Freon 113, ug/L	2600
Hexachlorobutadiene, ug/L	<50
Isopropylbenzene, ug/L	<30
Methyl ethyl ketone, ug/L	<500
Methyl isobutyl ketone, ug/L	<200
Methylene chloride, ug/L	<100
N-Butylbenzene, ug/L	<50
N-Propylbenzene, ug/L	<30
Naphthalene, ug/L	<30
Styrene, ug/L	<30

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-1	H-13	19 JUL 96

PARAMETER	07-551-1
Trichloroethene, ug/L	170
Trichlorofluoromethane, ug/L	960
Toluene, ug/L	<30
Tetrachloroethene, ug/L	1100
Vinyl acetate, ug/L	<300
Vinyl chloride, ug/L	<30
cis-1,2-Dichloroethene, ug/L	<30
m- and p-Xylene Isomers, ug/L	<50
o-Xylene, ug/L	<30
p-Isopropyl toluene, ug/L	<30
sec-Butylbenzene, ug/L	<30
trans-1,2-Dichloroethene, ug/L	<30
tert-Butylbenzene, ug/L	<30
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	2280
4-Bromofluorobenzene Theo., ug/L	2500
Toluene-d8 Reported, ug/L	2350
Toluene-d8 Theo., ug/L	2500
Dibromofluoromethane Rep., ug/L	2300
Dibromofluoromethane Theo., ug/L	2500

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-2	TB-071996	19 JUL 96

PARAMETER	07-551-2
Volatile Organics (8260)	
Date Analyzed	07/24/96
Dilution Factor, Times	1
1,1,1,2-Tetrachloroethane, ug/L	<0.5
1,1,1-Trichloroethane, ug/L	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5
1,1,2-Trichloroethane, ug/L	<0.5
1,1-Dichloroethane, ug/L	<0.5
1,1-Dichloroethene, ug/L	<0.5
1,1-Dichloropropene, ug/L	<0.5
1,2,3-Trichlorobenzene, ug/L	<0.5
1,2,3-Trichloropropane, ug/L	<1
1,2,4-Trichlorobenzene, ug/L	<0.5
1,2,4-Trimethylbenzene, ug/L	<0.5
1,2-Dibromo-3-chloropropane, ug/L	<2
1,2-Dibromoethane, ug/L	<0.5
1,2-Dichloroethane, ug/L	<0.5
1,2-Dichlorobenzene, ug/L	<0.5
1,2-Dichloropropane, ug/L	<0.5
1,3,5-Trimethylbenzene, ug/L	<0.5
1,3-Dichlorobenzene, ug/L	<0.5
1,3-Dichloropropane, ug/L	<0.5
1,4-Dichlorobenzene, ug/L	<0.5
2,2-Dichloropropane, ug/L	<1
2-Chloroethylvinylether, ug/L	<4
2-Chlorotoluene, ug/L	<0.5
2-Hexanone, ug/L	<5

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Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-2	TB-071996	19 JUL 96

PARAMETER	07-551-2
4-Chlorotoluene, ug/L	<0.5
Acetone, ug/L	<10
Bromobenzene, ug/L	<0.5
Bromochloromethane, ug/L	<0.5
Bromodichloromethane, ug/L	<0.5
Bromomethane, ug/L	<0.5
Benzene, ug/L	<0.5
Bromoform, ug/L	<0.5
Chlorobenzene, ug/L	<0.5
Carbon Tetrachloride, ug/L	<0.5
Chloroethane, ug/L	<0.5
Chloroform, ug/L	<0.5
Chloromethane, ug/L	<1
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<0.5
Dibromomethane, ug/L	<0.5
Dichlorodifluoromethane, ug/L	<0.5
Ethylbenzene, ug/L	<0.5
Freon 113, ug/L	<1
Hexachlorobutadiene, ug/L	<1
Isopropylbenzene, ug/L	<0.5
Methyl ethyl ketone, ug/L	<10
Methyl isobutyl ketone, ug/L	<4
Methylene chloride, ug/L	<2
N-Butylbenzene, ug/L	<1
N-Propylbenzene, ug/L	<0.5
Naphthalene, ug/L	<0.5

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15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-551-2	TB-071996	19 JUL 96

PARAMETER	07-551-2
Styrene, ug/L	<0.5
Trichloroethene, ug/L	<0.5
Trichlorofluoromethane, ug/L	<0.5
Toluene, ug/L	<0.5
Tetrachloroethene, ug/L	<0.5
Vinyl acetate, ug/L	<5
Vinyl chloride, ug/L	<0.5
cis-1,2-Dichloroethene, ug/L	<0.5
m- and p-Xylene Isomers, ug/L	<1
o-Xylene, ug/L	<0.5
p-Isopropyl toluene, ug/L	<0.5
sec-Butylbenzene, ug/L	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5
tert-Butylbenzene, ug/L	<0.5
Surrogates **	
4-Bromofluorobenzene Rep., ug/L	47.6
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	48.9
Toluene-d8 Theo., ug/L	50.0
Dibromofluoromethane Rep., ug/L	50.3
Dibromofluoromethane Theo., ug/L	50.0

B C Analytical

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LOG NO: G96-07-551

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England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.2

REPORT OF ANALYTICAL RESULTS

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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HARGIS + ASSOCIATES, INC. **CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM**

DATE 7/19/96 PAGE 1 OF 1

PROJECT NAME: OMEGA
PROJECT No./TASK No.: 445.02
PROJECT MANAGER: MIKE HIGUCHI
Phone No.: (714) 453-8085
QA MANAGER: MIKE PALMER
PH ~~FAX~~ No.: (619) 454-0165
SAMPLER (SIGNATURE): [signature]
SAMPLER (PRINTED): GREG CRANHAM

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA (DELIVERED TO ANAHEIM LOCATION)

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	MATRIX LAB WATER	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 40-ML VOA VIAL	ANALYSES REQUESTED EPA METHOD 8240 + FREONS	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING 24-HR TURNAROUND	REMARKS
	TB-071996	7/19/96	1135				X	X				X	2	X			
	H-13	↓	1145		X			X				X	2	X		X	FAX PRELIMINARY RESULTS TO MIKE HIGUCHI (714) 453-0735
Total number of Containers per analysis:													4			Total No. of Containers: 4	

Relinquished by:	Date	Received by:	Date
Michael Higuchi	7/19/96	Martha Barbour	7/19/96
England - Ann	Time 1505	BC Analytical	Time 1505
Company		Company	

Relinquished by:	Date	Received by:	Date
	Time		Time
Company		Laboratory	

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- [x] No. of containers correct
- [x] received good condition/cold
- [x] custody sea[illegible]cure
- [x] conforms to COC document

Shipment Method: HAND DELIVER
Send Results to: MIKE PALMER

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403, PASADENA, CA 91101 (818) 583-8121
- [x] 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- [ ] 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (520) 881-7300

Send invoice to La Jolla, [illegible]
Attn: Accounts Payable

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

ORDER PLACED FOR CLIENT: England and Associates 9607551 :
BC ANALYTICAL : GLEN LAB : 12:36:01 24 JUL 1996 - P. 1 :

MPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
607[illegible]*1	H-13	VOA,8260.HSL	07.22.96	8260	537-03	96425	7430
607551*2	TB-071996	VOA,8260.HSL	07.20.96	8260	537-03	96424	7430

**

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK			LAB CONTROL								MATRIX QC								
				LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL FLG
Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS																				
1,1,1,2-Tetrachloroethane	ug/L	0	0.5 -	106	-	-	-	64	126	-	-	-	105	-	101	-	64	126	4	30 -
1,1,1-Trichloroethane	ug/L	0	0.5 -	104	-	-	-	54	121	-	-	-	103	-	99	-	56	139	4	30 -
1,1,2,2-Tetrachloroethane	ug/L	0	0.5 -	102	-	-	-	66	135	-	-	-	80	-	84	-	66	131	5	30 -
1,1,2-Trichloroethane	ug/L	0	0.5 -	121	-	-	-	59	136	-	-	-	111	-	108	-	57	156	3	30 -
1,1-Dichloroethane	ug/L	0	0.5 -	79	-	-	-	70	135	-	-	-	66	-	71	-	59	140	8	30 -
1,1-Dichloroethene	ug/L	0	0.5 -	89	-	-	-	59	144	-	-	-	81	-	87	-	71	126	6	30 -
1,1-Dichloropropene	ug/L	0	0.5 -	105	-	-	-	49	131	-	-	-	109	-	102	-	-	-	7	- -
1,2,3-Trichlorobenzene	ug/L	0.19	0.5 -	124	-	-	-	60	130	-	-	-	112	-	115	-	-	-	2	- -
1,2,3-Trichloropropane	ug/L	0	1 -	82	-	-	-	70	126	-	-	-	66	-	69	-	-	-	4	- -
1,2,4-Trichlorobenzene	ug/L	0.18	0.5 -	124	-	-	-	61	127	-	-	-	119	-	114	-	-	-	4	- -
1,2,4-Trimethylbenzene	ug/L	0	0.5 -	107	-	-	-	69	130	-	-	-	90	-	88	-	-	-	3	- -
1,2-Dibromo-3-chloropropane	ug/L	0	2 -	120	-	-	-	52	139	-	-	-	100	-	102	-	-	-	2	- -
1,2-Dibromoethane	ug/L	0	0.5 -	126	-	-	-	69	131	-	-	-	113	-	111	-	-	-	2	- -
1,2-Dichloroethane	ug/L	0	0.5 -	116	-	-	-	70	131	-	-	-	110	-	108	-	62	147	2	30 -
1,2-Dichlorobenzene	ug/L	0	0.5 -	113	-	-	-	72	127	-	-	-	109	-	105	-	62	131	4	30 -
1,2-Dichloropropane	ug/L	0	0.5 -	108	-	-	-	63	123	-	-	-	92	-	95	-	64	147	3	30 -
1,3,5-Trimethylbenzene	ug/L	0	0.5 -	97	-	-	-	60	126	-	-	-	77	-	74	-	-	-	4	- -
1,3-Dichlorobenzene	ug/L	0	0.5 -	112	-	-	-	68	125	-	-	-	108	-	104	-	59	155	4	30 -
1,3-Dichloropropane	ug/L	0	0.5 -	104	-	-	-	63	128	-	-	-	94	-	92	-	-	-	2	- -
1,4-Dichlorobenzene	ug/L	0	0.5 -	109	-	-	-	55	110	-	-	-	103	-	99	-	60	129	4	30 -
2,2-Dichloropropane	ug/L	0	1 -	102	-	-	-	43	128	-	-	-	84	-	81	-	-	-	4	- -
2-Chloroethylvinylether	ug/L	0	4 -	194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
2-Chlorotoluene	ug/L	0	0.5 -	94	-	-	-	70	134	-	-	-	81	-	84	-	-	-	4	- -
2-Hexanone	ug/L	0	5 -	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- -
4-Chlorotoluene	ug/L	0	0.5 -	99	-	-	-	71	137	-	-	-	88	-	88	-	-	-	1	- -
Acetone	ug/L	0	10 -	114	-	-	-	32	180	-	-	-	-	-	-	-	-	-	-	- -
Bromobenzene	ug/L	0	0.5 -	90	-	-	-	70	137	-	-	-	91	-	94	-	70	137	3	30 -
Bromochloromethane	ug/L	0	0.5 -	111	-	-	-	53	136	-	-	-	98	-	95	-	-	-	4	- -
Bromodichloromethane	ug/L	0	0.5 -	114	-	-	-	60	130	-	-	-	110	-	106	-	60	130	4	30 -
Bromomethane	ug/L	0	0.5 -	102	-	-	-	49	150	-	-	-	65	-	96	-	49	150	38	30 Q
Benzene	ug/L	0	0.5 -	108	-	-	-	58	132	-	-	-	100	-	99	-	78	123	1	30 -
Bromoform	ug/L	0	0.5 -	110	-	-	-	59	129	-	-	-	104	-	100	-	59	129	4	30 -
Chlorobenzene	ug/L	0	0.5 -	107	-	-	-	69	133	-	-	-	105	-	101	-	80	116	3	30 -
Carbon Tetrachloride	ug/L	0	0.5 -	111	-	-	-	54	138	-	-	-	128	-	118	-	54	138	8	30 -
Chloroethane	ug/L	0	0.5 -	81	-	-	-	62	128	-	-	-	64	-	75	-	62	128	15	30 -
Chloroform	ug/L	0	0.5 -	105	-	-	-	62	127	-	-	-	97	-	94	-	62	127	3	30 -
Chloromethane	ug/L	0	1 -	64	-	-	-	38	173	-	-	-	49	-	59	-	38	173	20	30 -

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD	
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	107	-	-	-	66	130	-	-	-	101	-	98	-	66	130	4	30	-
Dibromomethane	ug/L	0	0.5	-	120	-	-	-	62	141	-	-	-	113	-	108	-	62	141	4	30	-
Dichlorodifluoromethane	ug/L	0	0.5	-	72	-	-	-	30	150	-	-	-	77	-	79	-	-	-	2	-	-
Ethylbenzene	ug/L	0	0.5	-	108	-	-	-	71	133	-	-	-	109	-	103	-	71	133	6	30	-
Freon 113	ug/L	0	1	-	79	-	-	-	69	121	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	107	-	-	-	47	142	-	-	-	116	-	102	-	-	-	13	-	-
Isopropylbenzene	ug/L	0	0.5	-	94	-	-	-	70	139	-	-	-	87	-	85	-	-	-	3	-	-
Methyl ethyl ketone	ug/L	0	10	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	1.1	2	-	89	-	-	-	54	150	-	-	-	66	-	74	-	54	150	13	30	-
N-Butylbenzene	ug/L	0	1	-	111	-	-	-	48	142	-	-	-	112	-	103	-	-	-	9	-	-
N-Propylbenzene	ug/L	0	0.5	-	93	-	-	-	71	137	-	-	-	85	-	84	-	-	-	2	-	-
Naphthalene	ug/L	0.38	0.5	-	140	Q	-	-	73	128	-	-	-	116	-	118	-	-	-	2	-	-
Styrene	ug/L	0	0.5	-	112	-	-	-	65	129	-	-	-	97	-	92	-	65	129	5	30	-
Trichloroethene	ug/L	0	0.5	-	115	-	-	-	48	134	-	-	-	117	-	110	-	74	120	6	30	-
Trichlorofluoromethane	ug/L	0	0.5	-	91	-	-	-	43	110	-	-	-	96	-	94	-	43	110	2	30	-
Toluene	ug/L	0	0.5	-	117	-	-	-	68	130	-	-	-	111	-	108	-	57	140	3	30	-
Tetrachloroethene	ug/L	0	0.5	-	108	-	-	-	58	150	-	-	-	117	-	106	-	58	150	9	30	-
Vinyl acetate	ug/L	0	5	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	77	-	-	-	68	178	-	-	-	76	-	78	-	68	178	3	30	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	101	-	-	-	65	128	-	-	-	84	-	88	-	65	128	4	30	-
m- and p-Xylene Isomers	ug/L	0	1	-	108	-	-	-	67	150	-	-	-	105	-	98	-	-	-	7	-	-
o-Xylene	ug/L	0	0.5	-	116	-	-	-	68	138	-	-	-	111	-	105	-	-	-	6	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	106	-	-	-	56	129	-	-	-	104	-	97	-	-	-	7	-	-
sec-Butylbenzene	ug/L	0	0.5	-	108	-	-	-	65	140	-	-	-	107	-	102	-	-	-	5	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	85	-	-	-	62	135	-	-	-	74	-	81	-	62	135	10	30	-
tert-Butylbenzene	ug/L	0	0.5	-	104	-	-	-	52	131	-	-	-	101	-	97	-	-	-	4	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	106	-	-	-	80	111	-	-	-	106	-	107	-	80	111	-	-	-
[Toluene-d8]	Percent	101	-	-	110	-	-	-	80	113	-	-	-	105	-	107	-	80	113	-	-	-
[Dibromofluoromethane]	Percent	95	-	-	105	-	-	-	80	114	-	-	-	104	-	104	-	80	114	-	-	-

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS																						
1,1,1,2-Tetrachloroethane	ug/L	0	0.5	-	103	-	110	-	64	126	6	30	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	0.5	-	100	-	105	-	54	121	4	30	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	0.5	-	87	-	89	-	66	135	2	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	0.5	-	89	-	95	-	59	136	6	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	0.5	-	99	-	102	-	70	135	3	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	0.5	-	97	-	104	-	59	144	7	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	0.5	-	98	-	123	-	49	131	23	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	0.5	-	93	-	97	-	60	130	5	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	1	-	82	-	84	-	70	126	2	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.21	0.5	-	96	-	103	-	61	127	7	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	0.5	-	104	-	111	-	69	130	7	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	2	-	78	-	78	-	52	139	0	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	0.5	-	89	-	94	-	69	131	5	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	0.5	-	96	-	101	-	70	131	4	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	0.5	-	95	-	101	-	72	127	6	30	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	0.5	-	110	-	115	-	63	123	4	30	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	0.5	-	106	-	114	-	60	126	7	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	0.5	-	97	-	104	-	68	125	7	30	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	0.5	-	95	-	99	-	63	128	4	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.10	0.5	-	95	-	102	-	55	110	7	30	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	1	-	104	-	53	-	43	128	66	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	4	-	32	-	0	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	0.5	-	103	-	111	-	70	134	8	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	70	-	69	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	0.5	-	108	-	112	-	71	137	4	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	10	-	32	-	33	-	32	180	2	43	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	0.5	-	119	-	115	-	70	137	3	30	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/L	0	0.5	-	97	-	102	-	53	136	5	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	0.5	-	101	-	107	-	60	130	5	30	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	0.5	-	94	-	88	-	49	150	6	30	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	0.5	-	103	-	106	-	58	132	3	30	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	0.5	-	87	-	92	-	59	129	6	30	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	0.5	-	101	-	108	-	69	133	6	30	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	0.5	-	112	-	119	-	54	138	6	30	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	0.5	-	102	-	101	-	62	128	1	30	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	0.5	-	99	-	103	-	62	127	4	30	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	83	-	90	-	38	173	8	30	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS, con't																						
Carbon Disulfide	ug/L	0	2	-	100	-	105	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	0.5	-	99	-	103	-	66	130	4	30	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/L	0	0.5	-	90	-	95	-	62	141	6	30	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	0.5	-	59	-	62	-	30	150	6	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	0.5	-	102	-	111	-	71	133	8	30	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	1	-	96	-	102	-	69	121	7	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	1	-	99	-	109	-	47	142	9	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/L	0	0.5	-	110	-	117	-	70	139	6	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	10	-	76	-	81	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	4	-	65	-	58	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0.87	2	-	97	-	101	-	54	150	4	30	-	-	-	-	-	-	-	-	-	-
N-Butylbenzene	ug/L	0	1	-	100	-	109	-	48	142	8	-	-	-	-	-	-	-	-	-	-	-
N-Propylbenzene	ug/L	0	0.5	-	106	-	114	-	71	137	7	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	0.32	0.5	-	81	-	79	-	73	128	2	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	0.5	-	100	-	107	-	65	129	6	30	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	0.5	-	106	-	113	-	48	134	6	30	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	0.5	-	96	-	102	-	43	110	6	30	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	0.5	-	102	-	110	-	68	130	8	30	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	0.5	-	103	-	112	-	58	150	9	30	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	5	-	62	-	77	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	0.5	-	91	-	89	-	68	178	2	30	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	0.5	-	107	-	564	Q	65	128	136	30	Q	-	-	-	-	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	1	-	101	-	106	-	67	150	5	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	0	0.5	-	100	-	107	-	68	138	7	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	0.5	-	104	-	112	-	56	129	7	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/L	0	0.5	-	104	-	113	-	65	140	8	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	0.5	-	98	-	105	-	62	135	8	30	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/L	0	0.5	-	106	-	115	-	52	131	8	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	94	-	-	97	-	100	-	80	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	96	-	-	102	-	103	-	80	113	-	-	-	-	-	-	-	-	-	-	-	-
[Dibromofluoromethane]	Percent	94	-	-	101	-	102	-	80	114	-	-	-	-	-	-	-	-	-	-	-	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9607551
DATE PRINTED: 24 JUL 1996

AQUEOUS SAMPLES

Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS

		B6071582*1	C6072706*1	.....	N/A	.....	9607386*6	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/19/96	07/19/96	07/19/96	-	-	07/19/96	-	07/19/96	07/19/96	07/19/96
Dilution Factor	Times	1	1	1	-	-	1	-	1	1	1
1,1,1,2-Tetrachloroethane	ug/L	0	52.9	50.0	-	-	0	-	52.6	50.4	50.0
1,1,1-Trichloroethane	ug/L	0	52.2	50.0	-	-	0	-	51.6	49.6	50.0
1,1,2,2-Tetrachloroethane	ug/L	0	50.9	50.0	-	-	0	-	40.1	42.1	50.0
1,1,2-Trichloroethane	ug/L	0	60.4	50.0	-	-	0	-	55.6	53.9	50.0
1,1-Dichloroethane	ug/L	0	39.4	50.0	-	-	0	-	32.9	35.6	50.0
1,1-Dichloroethene	ug/L	0	44.4	50.0	-	-	0	-	40.6	43.3	50.0
1,1-Dichloropropene	ug/L	0	52.5	50.0	-	-	0	-	54.5	51.0	50.0
1,2,3-Trichlorobenzene	ug/L	0.19	62.0	50.0	-	-	0	-	56.2	57.3	50.0
1,2,3-Trichloropropane	ug/L	0	41.0	50.0	-	-	0	-	33.1	34.4	50.0
1,2,4-Trichlorobenzene	ug/L	0.18	62.0	50.0	-	-	0	-	59.6	57.2	50.0
1,2,4-Trimethylbenzene	ug/L	0	53.6	50.0	-	-	0	-	45.2	43.8	50.0
1,2-Dibromo-3-chloropropane	ug/L	0	60.1	50.0	-	-	0	-	49.9	50.9	50.0
1,2-Dibromoethane	ug/L	0	62.8	50.0	-	-	0	-	56.7	55.6	50.0
1,2-Dichloroethane	ug/L	0	58.0	50.0	-	-	0	-	55.1	53.8	50.0
1,2-Dichlorobenzene	ug/L	0	56.7	50.0	-	-	0	-	54.5	52.4	50.0
1,2-Dichloropropane	ug/L	0	54.2	50.0	-	-	0	-	46.2	47.5	50.0
1,3,5-Trimethylbenzene	ug/L	0	48.7	50.0	-	-	0	-	38.6	37.2	50.0
1,3-Dichlorobenzene	ug/L	0	55.9	50.0	-	-	0	-	53.9	51.9	50.0
1,3-Dichloropropane	ug/L	0	52.2	50.0	-	-	0	-	46.9	46.2	50.0
1,4-Dichlorobenzene	ug/L	0	54.6	50.0	-	-	0	-	51.7	49.7	50.0
2,2-Dichloropropane	ug/L	0	51.1	50.0	-	-	0	-	42.0	40.3	50.0
2-Chloroethylvinylether	ug/L	0	97.2	50.0	-	-	-	-	-	-	-
2-Chlorotoluene	ug/L	0	46.9	50.0	-	-	0	-	40.3	41.9	50.0
2-Hexanone	ug/L	0	45.0	50.0	-	-	-	-	-	-	-
4-Chlorotoluene	ug/L	0	49.6	50.0	-	-	0	-	43.9	44.2	50.0
Acetone	ug/L	0	56.9	50.0	-	-	-	-	-	-	-
Bromobenzene	ug/L	0	45.2	50.0	-	-	0	-	45.5	47.0	50.0
Bromochloromethane	ug/L	0	55.7	50.0	-	-	0	-	49.2	47.5	50.0
Bromodichloromethane	ug/L	0	57.2	50.0	-	-	0	-	55.1	53.1	50.0
Bromomethane	ug/L	0	51.0	50.0	-	-	0	-	32.7	47.8	50.0
Benzene	ug/L	0	53.9	50.0	-	-	0	-	50.2	49.5	50.0
Bromoform	ug/L	0	54.9	50.0	-	-	0	-	52.0	49.9	50.0
Chlorobenzene	ug/L	0	53.5	50.0	-	-	0	-	52.4	50.6	50.0
Carbon Tetrachloride	ug/L	0	55.3	50.0	-	-	0	-	63.9	58.9	50.0
Chloroetha[redacted]	ug/L	0	40.5	50.0	-	-	0	-	32.1	37.3	[redacted]

AQUEOUS SAMPLES

Batch: VOA,8260*96424 Method: 8260 - Volatile Organics, GCMS, con't

		B6071582*1	C6072706*1		N/A		9607386*6				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	52.6	50.0	-	-	0	-	48.3	47.0	50.0
Chloromethane	ug/L	0	32.0	50.0	-	-	0	-	24.3	29.7	50.0
Carbon Disulfide	ug/L	0	36.5	50.0	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	53.6	50.0	-	-	0	-	50.7	48.8	50.0
Dibromomethane	ug/L	0	60.0	50.0	-	-	0	-	56.4	54.2	50.0
Dichlorodifluoromethane	ug/L	0	36.1	50.0	-	-	0	-	38.7	39.6	50.0
Ethylbenzene	ug/L	0	53.8	50.0	-	-	0	-	54.7	51.4	50.0
Freon 113	ug/L	0	39.3	50.0	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	53.7	50.0	-	-	0	-	57.9	50.8	50.0
Isopropylbenzene	ug/L	0	47.1	50.0	-	-	0	-	43.7	42.5	50.0
Methyl ethyl ketone	ug/L	0	29.2	50.0	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	64.5	50.0	-	-	-	-	-	-	-
Methylene chloride	ug/L	1.1	44.6	50.0	-	-	0	-	32.8	37.2	50.0
N-Butylbenzene	ug/L	0	55.6	50.0	-	-	0	-	56.0	51.3	50.0
N-Propylbenzene	ug/L	0	46.7	50.0	-	-	0	-	42.7	41.9	50.0
Naphthalene	ug/L	0.38	70.2	50.0	-	-	0	-	57.9	59.2	50.0
Styrene	ug/L	0	56.2	50.0	-	-	0	-	48.4	46.0	50.0
Trichloroethene	ug/L	0	57.4	50.0	-	-	0	-	58.5	55.2	50.0
Trichlorofluoromethane	ug/L	0	45.4	50.0	-	-	0	-	48.1	47.2	50.0
Toluene	ug/L	0	58.5	50.0	-	-	0	-	55.4	53.8	50.0
Tetrachloroethene	ug/L	0	54.0	50.0	-	-	0	-	58.4	53.2	50.0
Vinyl acetate	ug/L	0	34.0	50.0	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	38.3	50.0	-	-	0	-	38.1	39.2	50.0
cis-1,2-Dichloroethene	ug/L	0	50.4	50.0	-	-	0	-	42.0	43.9	50.0
m- and p-Xylene Isomers	ug/L	0	108	100	-	-	0	-	105	97.8	100
o-Xylene	ug/L	0	57.9	50.0	-	-	0	-	55.6	52.3	50.0
p-Isopropyl toluene	ug/L	0	53.2	50.0	-	-	0	-	52.0	48.6	50.0
sec-Butylbenzene	ug/L	0	53.8	50.0	-	-	0	-	53.6	50.8	50.0
trans-1,2-Dichloroethene	ug/L	0	42.5	50.0	-	-	0	-	36.9	40.6	50.0
tert-Butylbenzene	ug/L	0	52.0	50.0	-	-	0	-	50.4	48.5	50.0
4-Bromofluorobenzene Rep.	ug/L	47.2	53.0	50.0	-	-	46.9	-	53.0	53.7	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	50.4	54.9	50.0	-	-	48.5	-	52.7	53.4	50.0
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Dibromofluoromethane Rep.	ug/L	47.7	52.5	50.0	-	-	49.5	-	51.8	51.8	50.0
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0

AQUEOUS SAMPLES

Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS

		B6071737*1	C6071632*1	.....	C6071633*1	.....	N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/22/96	07/22/96	07/22/96	07/22/96	07/22/96	-	-	-	-	-
Dilution Factor	Times	1	1	1000	1	1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/L	0	51.7	50.0	55.0	50.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	50.0	50.0	52.3	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	43.7	50.0	44.4	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	44.7	50.0	47.3	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	49.3	50.0	51.0	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	48.5	50.0	51.8	50.0	-	-	-	-	-
1,1-Dichloropropene	ug/L	0	49.0	50.0	61.6	50.0	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	0.25	46.3	50.0	48.7	50.0	-	-	-	-	-
1,2,3-Trichloropropane	ug/L	0	41.2	50.0	41.9	50.0	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	0.21	48.1	50.0	51.6	50.0	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/L	0	51.8	50.0	55.6	50.0	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/L	0	38.8	50.0	38.9	50.0	-	-	-	-	-
1,2-Dibromoethane	ug/L	0	44.3	50.0	46.8	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	48.2	50.0	50.3	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	47.6	50.0	50.7	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	55.1	50.0	57.5	50.0	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	0	52.9	50.0	56.8	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	48.7	50.0	52.1	50.0	-	-	-	-	-
1,3-Dichloropropane	ug/L	0	47.5	50.0	49.4	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0.10	47.6	50.0	50.9	50.0	-	-	-	-	-
2,2-Dichloropropane	ug/L	0	52.2	50.0	26.4	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	15.8	50.0	0	50.0	-	-	-	-	-
2-Chlorotoluene	ug/L	0	51.4	50.0	55.6	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	35.0	50.0	34.5	50.0	-	-	-	-	-
4-Chlorotoluene	ug/L	0	54.0	50.0	56.2	50.0	-	-	-	-	-
Acetone	ug/L	0	16.2	50.0	16.5	50.0	-	-	-	-	-
Bromobenzene	ug/L	0	59.5	50.0	57.5	50.0	-	-	-	-	-
Bromochloromethane	ug/L	0	48.6	50.0	50.9	50.0	-	-	-	-	-
Bromodichloromethane	ug/L	0	50.6	50.0	53.3	50.0	-	-	-	-	-
Bromomethane	ug/L	0	47.0	50.0	44.2	50.0	-	-	-	-	-
Benzene	ug/L	0	51.6	50.0	53.2	50.0	-	-	-	-	-
Bromoform	ug/L	0	43.6	50.0	46.2	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	50.7	50.0	54.1	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	55.9	50.0	59.5	50.0	-	-	-	-	-
Chloroethan	ug/L	0	51.2	50.0	50.5	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA,8260*96425 Method: 8260 - Volatile Organics, GCMS, con't

		B6071737*1	C6071632*1		C6071633*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Chloroform	ug/L	0	49.6	50.0	51.7	50.0	-	-	-	-	-
Chloromethane	ug/L	0	41.7	50.0	45.0	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	50.1	50.0	52.4	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	49.5	50.0	51.7	50.0	-	-	-	-	-
Dibromomethane	ug/L	0	44.9	50.0	47.7	50.0	-	-	-	-	-
Dichlorodifluoromethane	ug/L	0	29.3	50.0	31.1	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	51.2	50.0	55.4	50.0	-	-	-	-	-
Freon 113	ug/L	0	47.9	50.0	51.2	50.0	-	-	-	-	-
Hexachlorobutadiene	ug/L	0	49.6	50.0	54.3	50.0	-	-	-	-	-
Isopropylbenzene	ug/L	0	54.8	50.0	58.3	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	38.0	50.0	40.5	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	32.7	50.0	29.2	50.0	-	-	-	-	-
Methylene chloride	ug/L	0.87	48.6	50.0	50.6	50.0	-	-	-	-	-
N-Butylbenzene	ug/L	0	50.2	50.0	54.6	50.0	-	-	-	-	-
N-Propylbenzene	ug/L	0	53.0	50.0	57.0	50.0	-	-	-	-	-
Naphthalene	ug/L	0.32	40.3	50.0	39.6	50.0	-	-	-	-	-
Styrene	ug/L	0	50.1	50.0	53.3	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	52.9	50.0	56.4	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	47.9	50.0	50.8	50.0	-	-	-	-	-
Toluene	ug/L	0	50.8	50.0	55.0	50.0	-	-	-	-	-
Tetrachloroethene	ug/L	0	51.4	50.0	56.2	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	30.8	50.0	38.7	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	45.4	50.0	44.7	50.0	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	53.5	50.0	282	50.0	-	-	-	-	-
m- and p-Xylene Isomers	ug/L	0	101	100	106	100	-	-	-	-	-
o-Xylene	ug/L	0	50.0	50.0	53.4	50.0	-	-	-	-	-
p-Isopropyl toluene	ug/L	0	52.0	50.0	55.8	50.0	-	-	-	-	-
sec-Butylbenzene	ug/L	0	52.0	50.0	56.5	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	48.8	50.0	52.7	50.0	-	-	-	-	-
tert-Butylbenzene	ug/L	0	53.2	50.0	57.4	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	46.9	48.4	50.0	49.9	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	47.8	51.0	50.0	51.4	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Dibromofluoromethane Rep.	ug/L	47.1	50.7	50.0	51.1	50.0	-	-	-	-	-
Dibromofluoromethane Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

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   A. BFB Tuning Report
   B. Method Blank
   C. 8240 QCCS 50 ppb Std. (LCS)
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   E. Continuing Calibration Check Summary
   F. Analytical Run Log

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CASE NARRATIVE--G96-07-589

A. Sample Receipt

B C Analytical (BCA) received samples from England and Associates for the Omega project site on July 22, 1996. Samples were transported in coolers with blue ice via BCA courier.

Samples were noted on Hargis + Associates chain-of-custody, matched to containers received and verified that all were received intact with custody seals attached to each container cap. Containers were as required. Preservatives were not included in samples H-120 and H-12-80.

B. Analytical Methods

Samples were analyzed using EPA method 8240.

C. Holding Times

All analysis was performed within required holding times.

D. Method Blanks

All method blank results were below reporting detection limits, except for methylene chloride in batch #96197 (2.9 ug/L vs. 2 ug//L RDL) and acetone in batch #96198 (22 ug/L vs. 20 ug/L RDL).

E. Laboratory Control Samples

All Laboratory Control Sample percent recoveries were in control, except for vinyl acetate in batches #96197 and #96198, (173% and 191% respectively, vs. 158% UCL).

F. Matrix Spikes

No matrix spikes available due to high level constituents in samples.

G. Reported Percent Difference (LCS, LCSD)

RPD Limits are for matrix spikes only, Q-Flags are not applicable.

H. Continuing Calibration Verifications

All passed according to BCA criteria.

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-07-589

Received: 22 JUL 96

Mailed:

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-1	H-120	19 JUL 96

PARAMETER	07-589-1
Vol.Pri.Poll. (8240)	
Date Analyzed	07/24/96
Dilution Factor, Times	10
1,1,1-Trichloroethane, ug/L	<10
1,1,2,2-Tetrachloroethane, ug/L	<10
1,1,2-Trichloroethane, ug/L	<10
1,1-Dichloroethane, ug/L	<10
1,1-Dichloroethene, ug/L	93
1,2-Dichloroethane, ug/L	<10
1,2-Dichlorobenzene, ug/L	<10
1,2-Dichloropropane, ug/L	<10
1,3-Dichlorobenzene, ug/L	<10
1,4-Dichlorobenzene, ug/L	<10
2-Chloroethylvinylether, ug/L	<50
2-Hexanone, ug/L	<50
Acetone, ug/L	<200
Acrolein, ug/L	<500
Acrylonitrile, ug/L	<500
Bromodichloromethane, ug/L	<10
Bromomethane, ug/L	<10
Benzene, ug/L	<10
Bromoform, ug/L	<10
Chlorobenzene, ug/L	<10
Carbon Tetrachloride, ug/L	<10
Chloroethane, ug/L	<10
Chloroform, ug/L	<10
Chloromethane, ug/L	<10
Carbon Disulfide, ug/L	<20

B C Analytical

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Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-1	H-120	19 JUL 96

PARAMETER	07-589-1
Dibromochloromethane, ug/L	<10
Ethylbenzene, ug/L	<10
Freon 113, ug/L	1100
Methyl ethyl ketone, ug/L	<50
Methyl isobutyl ketone, ug/L	<50
Methylene chloride, ug/L	<20
Styrene, ug/L	<10
Trichloroethene, ug/L	38
Trichlorofluoromethane, ug/L	230
Toluene, ug/L	<10
Tetrachloroethene, ug/L	89
Vinyl acetate, ug/L	<100
Vinyl chloride, ug/L	<10
Total Xylene Isomers, ug/L	<30
cis-1,2-Dichloroethene, ug/L	<10
cis-1,3-Dichloropropene, ug/L	<10
trans-1,2-Dichloroethene, ug/L	<10
trans-1,3-Dichloropropene, ug/L	<10
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	479
1,2-Dichloroethane-d4 Theo., ug/L	500
4-Bromofluorobenzene Rep., ug/L	516
4-Bromofluorobenzene Theo., ug/L	500
Toluene-d8 Reported, ug/L	474
Toluene-d8 Theo., ug/L	500

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Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-3	TB-071996-A	19 JUL 96

PARAMETER	07-589-3
Vol.Pri.Poll. (8240)	
Date Analyzed	07/26/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1

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Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-3	TB-071996-A	19 JUL 96

PARAMETER	07-589-3
Carbon Disulfide, ug/L	<2
Dibromochloromethane, ug/L	<1
Ethylbenzene, ug/L	<1
Freon 113, ug/L	<2
Methyl ethyl ketone, ug/L	<5
Methyl isobutyl ketone, ug/L	<5
Methylene chloride, ug/L	<2
Styrene, ug/L	<1
Trichloroethene, ug/L	<1
Trichlorofluoromethane, ug/L	<1
Toluene, ug/L	<1
Tetrachloroethene, ug/L	<1
Vinyl acetate, ug/L	<10
Vinyl chloride, ug/L	<1
Total Xylene Isomers, ug/L	<3
cis-1,2-Dichloroethene, ug/L	<1
cis-1,3-Dichloropropene, ug/L	<1
trans-1,2-Dichloroethene, ug/L	<1
trans-1,3-Dichloropropene, ug/L	<1
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	47.5
1,2-Dichloroethane-d4 Theo., ug/L	50.0
4-Bromofluorobenzene Rep., ug/L	49.2
4-Bromofluorobenzene Theo., ug/L	50.0
Toluene-d8 Reported, ug/L	48.0
Toluene-d8 Theo., ug/L	50.0

B C Analytical

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LOG NO: G96-07-589

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Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-2	H-12-80	19 JUL 96

PARAMETER	07-589-2
Vol.Pri.Poll. (8240)	
Date Analyzed	07/24/96
Dilution Factor, Times	10
1,1,1-Trichloroethane, ug/L	<10
1,1,2,2-Tetrachloroethane, ug/L	<10
1,1,2-Trichloroethane, ug/L	<10
1,1-Dichloroethane, ug/L	<10
1,1-Dichloroethene, ug/L	99
1,2-Dichloroethane, ug/L	<10
1,2-Dichlorobenzene, ug/L	<10
1,2-Dichloropropane, ug/L	<10
1,3-Dichlorobenzene, ug/L	<10
1,4-Dichlorobenzene, ug/L	<10
2-Chloroethylvinylether, ug/L	<50
2-Hexanone, ug/L	<50
Acetone, ug/L	<200
Acrolein, ug/L	<500
Acrylonitrile, ug/L	<500
Bromodichloromethane, ug/L	<10
Bromomethane, ug/L	<10
Benzene, ug/L	<10
Bromoform, ug/L	<10
Chlorobenzene, ug/L	<10
Carbon Tetrachloride, ug/L	<10
Chloroethane, ug/L	<10
Chloroform, ug/L	<10
Chloromethane, ug/L	<10

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LOG NO: G96-07-589

Received: 22 JUL 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
07-589-2	H-12-80	19 JUL 96

PARAMETER	07-589-2
Carbon Disulfide, ug/L	<20
Dibromochloromethane, ug/L	<10
Ethylbenzene, ug/L	<10
Freon 113, ug/L	1200
Methyl ethyl ketone, ug/L	<50
Methyl isobutyl ketone, ug/L	<50
Methylene chloride, ug/L	<20
Styrene, ug/L	<10
Trichloroethene, ug/L	40
Trichlorofluoromethane, ug/L	250
Toluene, ug/L	<10
Tetrachloroethene, ug/L	92
Vinyl acetate, ug/L	<100
Vinyl chloride, ug/L	<10
Total Xylene Isomers, ug/L	<30
cis-1,2-Dichloroethene, ug/L	<10
cis-1,3-Dichloropropene, ug/L	<10
trans-1,2-Dichloroethene, ug/L	<10
trans-1,3-Dichloropropene, ug/L	<10
Surrogates **	
1,2-Dichloroethane-d4 Rep., ug/L	482
1,2-Dichloroethane-d4 Theo., ug/L	500
4-Bromofluorobenzene Rep., ug/L	498
4-Bromofluorobenzene Theo., ug/L	500
Toluene-d8 Reported, ug/L	469
Toluene-d8 Theo., ug/L	500

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LOG NO: G96-07-589

Received: 22 JUL 96

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England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92718

Project: 445.02

REPORT OF ANALYTICAL RESULTS

Greta Galoustian / Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location

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GG007589

HARGIS & ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 7/17/96 PAGE 1 OF 1

PROJECT NAME: OMEGA	PROJECT No./TASK No.: 445.02
PROJECT MANAGER: MIKE HIGUCHI	Phone No.: (714) 453-8085
QA MANAGER: MIKE PALMER	~~FAX~~ PH No.: (619) 454-0165
SAMPLER (SIGNATURE):	SAMPLER (PRINTED): GREG CRANHAM

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	Ground-water	Surface water	LAB WATER	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40-ML VOA VIALS	ANALYSES REQUESTED: EPA METHOD 8240 + FREON	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING: 48-HR. TURNAROUND	QC for Level III req'd
	TB-071996-A	7/15/96	1445				X	X				X	2	X			X
	H-120	↓	1515		X							X	2	X			X
	H-12-80	↓	2045		X							X	2	X		X	X
Total number of Containers per analysis:													6			Total No. of Containers:	6

LABORATORY INFORMATION: BCA, WESTERN AVE, GLENDALE, CA

REMARKS: FAX PRELIMINARY RESULTS TO MIKE HIGUCHI (714) 453-0733

NOTE: SOME SAMPLES NOT ACIDIFIED

Relinquished by:	Date	Received by:	Date
Company	Time 1250	Company B.C.C.	Time 1250
Relinquished by:	Date 7/22/96	Received by:	Date 07/22/96
Company BCA	Time 1715	Laboratory BCA	Time 1715

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt
- ☑ No. of containers correct
- ☑ received good condition/cold
- ☑ custody seals secure
- ☐ conforms to COC document

Shipment Method: COURIER

Send Results to: MIKE PALMER

- ☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569
- ☒ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- ☐ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (602) [redacted]00

Send invoice to La Jolla, CA

SURROGATE RECOVERIES :
BC ANALYTICAL : GLEN LAB : 11:42:45 30 JUL 1996 - P. 1 :

ETHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
607589*1							
240	1,2-Dichloroethane-d4 Rep	96197	07/24/96	479	500	96	
	Toluene-d8	96197	07/24/96	474	500	95	
	4-Bromofluorobenzene Rep.	96197	07/24/96	516	500	103	
607589*2							
240	1,2-Dichloroethane-d4 Rep	96197	07/24/96	482	500	96	
	Toluene-d8	96197	07/24/96	469	500	94	
	4-Bromofluorobenzene Rep.	96197	07/24/96	498	500	100	
607589*3							
240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	47.5	50.0	95	
	Toluene-d8	96198	07/26/96	48.0	50.0	96	
	4-Bromofluorobenzene Rep.	96198	07/26/96	49.2	50.0	98	

: SURROGATE RECOVERIES :
: BC ANALYTICAL : GLEN LAB : 11:42:52 30 JUL 1996 - P. 1 :

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9607462*3*S1							
8240	1,2-Dichloroethane-d4 Rep	96197	07/25/96	46.1	50.0	92	
	Toluene-d8	96197	07/25/96	51.3	50.0	103	
	4-Bromofluorobenzene Rep.	96197	07/25/96	54.6	50.0	109	
9607462*3*S2							
8240	1,2-Dichloroethane-d4 Rep	96197	07/25/96	45.6	50.0	91	
	Toluene-d8	96197	07/25/96	50.2	50.0	100	
	4-Bromofluorobenzene Rep.	96197	07/25/96	56.1	50.0	112	
96072339*1*MB							
8240	1,2-Dichloroethane-d4 Rep	96197	07/25/96	45.6	50.0	91	
	Toluene-d8	96197	07/25/96	49.7	50.0	99	
	4-Bromofluorobenzene Rep.	96197	07/25/96	48.6	50.0	97	
96072365*1*MB							
8240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	46.5	50.0	93	
	Toluene-d8	96198	07/26/96	46.6	50.0	93	
	4-Bromofluorobenzene Rep.	96198	07/26/96	50.6	50.0	101	
C607275*1*LC							
8240	1,2-Dichloroethane-d4 Rep	96197	07/25/96	48.9	50.0	98	
	Toluene-d8	96197	07/25/96	50.2	50.0	100	
	4-Bromofluorobenzene Rep.	96197	07/25/96	52.3	50.0	105	
C607275*1*LT							
8240	1,2-Dichloroethane-d4 Rep	96197	07/25/96	50.0	50.0	100	
	Toluene-d8	96197	07/25/96	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	96197	07/25/96	50.0	50.0	100	
C6073003*1*LC							
8240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	48.0	50.0	96	
	Toluene-d8	96198	07/26/96	51.5	50.0	103	
	4-Bromofluorobenzene Rep.	96198	07/26/96	48.2	50.0	96	
C6073003*1*LT							
8240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	50.0	50.0	100	
	Toluene-d8	96198	07/26/96	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	96198	07/26/96	50.0	50.0	100	
C6073006*1*LC							
8240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	46.8	50.0	94	
	Toluene-d8	96198	07/26/96	48.9	50.0	98	
	4-Bromofluorobenzene Rep.	96198	07/26/96	49.5	50.0	99	
C6073006*1*LT							

METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
8240	1,2-Dichloroethane-d4 Rep	96198	07/26/96	50.0	50.0	100	
	Toluene-d8	96198	07/26/96	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	96198	07/26/96	50.0	50.0	100	
6073035*1*LC							
8240	1,2-Dichloroethane-d4 Rep	96197	07/24/96	48.4	50.0	97	
	Toluene-d8	96197	07/24/96	49.6	50.0	99	
	4-Bromofluorobenzene Rep.	96197	07/24/96	51.8	50.0	104	
6073035*1*LT							
8240	1,2-Dichloroethane-d4 Rep	96197	07/24/96	50.0	50.0	100	
	Toluene-d8	96197	07/24/96	50.0	50.0	100	
	4-Bromofluorobenzene Rep.	96197	07/24/96	50.0	50.0	100	

: ORDER PLACED FOR CLIENT: England and Associates 9607589 :
: BC ANALYTICAL : GLEN LAB : 11:42:04 30 JUL 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
9607589*1	H-120	VOA.8240.HSL	07.24.96	8240	537-01	96197	8659
9607589*3	TB-071996-A	VOA.8240.HSL	07.26.96	8240	537-01	96198	8659
9607589*2	H-12-80	VOA.8240.HSL	07.24.96	8240	537-01	96197	8659

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Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD						RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96197 Method: 8240 - GC/MS for Volatile Organics																							
1,1,1-Trichloroethane	ug/L	0	1	-	91	-	90	-	63	132	2	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	92	-	73	-	51	157	22	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	90	-	74	-	70	136	20	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	88	-	88	-	72	125	0	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	94	-	95	-	64	134	1	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	95	-	90	-	78	122	5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	99	-	91	-	75	130	9	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	85	-	84	-	78	123	1	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	98	-	91	-	75	125	7	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	98	-	90	-	76	126	8	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	77	-	28	-	11	195	93	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	94	-	74	-	4	228	24	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	5.5	20	-	53	-	59	-	25	190	9	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	87	-	68	-	30	183	24	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	5.3	50	-	88	-	64	-	34	182	31	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	100	-	88	-	79	123	12	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	64	-	74	-	61	152	14	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	83	-	84	-	73	124	1	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	93	-	76	-	58	148	20	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	94	-	85	-	75	126	10	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	71	-	70	-	70	132	1	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	83	-	97	-	58	140	16	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	86	-	88	-	74	124	3	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	82	-	92	-	56	145	12	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	78	-	81	-	62	133	4	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	97	-	82	-	73	131	17	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	97	-	90	-	72	131	8	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	81	-	85	-	54	146	4	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	87	-	84	-	21	198	3	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	93	-	56	-	8	215	49	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	2.9	2	Q	81	-	83	-	72	125	3	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	91	-	81	-	72	130	11	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	81	-	83	-	71	128	3	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	92	-	99	-	45	149	7	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	92	-	84	-	78	123	9	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	96	-	86	-	73	127	11	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	124	-	173	Q	44	158	33	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		METHOD BLANK			LAB CONTROL								MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD				RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96197 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	76	-	97	-	56	144	24	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	98	-	87	-	72	133	12	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	90	-	90	-	74	124	0	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	98	-	86	-	79	124	12	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	88	-	88	-	69	130	0	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	101	-	83	-	70	133	20	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	91	-	-	98	-	97	-	79	114	-	-	-	92	-	91	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	97	-	-	105	-	104	-	85	111	-	-	-	109	-	112	Q	85	111	-	-	-
[Toluene-d8]	Percent	99	-	-	100	-	99	-	92	110	-	-	-	103	-	100	-	92	110	-	-	-

BC ANALYTICAL, GLENDALE
QC REPORT FOR 9607589
DATE PRINTED: 30 JUL 1996

AQUEOUS SAMPLES	METHOD BLANK				LAB CONTROL									MATRIX QC								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96198 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	99	-	98	-	63	132	1	26	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	83	-	103	-	51	157	22	30	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	89	-	95	-	70	136	7	30	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	95	-	98	-	72	125	3	27	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	96	-	96	-	64	134	0	27	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	1	-	97	-	100	-	78	122	3	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	98	-	102	-	75	130	4	24	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	97	-	99	-	78	123	2	26	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	99	-	103	-	75	125	3	26	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	99	-	102	-	76	126	3	25	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	48	-	87	-	11	195	58	30	Q	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	69	-	98	-	4	228	34	38	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	22	20	Q	53	-	67	-	25	190	24	43	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	74	-	101	-	30	183	31	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	73	-	100	-	34	182	31	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	95	-	98	-	79	123	4	25	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	90	-	104	-	61	152	15	29	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	97	-	98	-	73	124	1	26	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/L	0	1	-	82	-	98	-	58	148	18	37	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	99	-	97	-	75	126	1	23	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	1	-	85	-	93	-	70	132	8	29	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	115	-	85	-	58	140	29	33	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	96	-	97	-	74	124	0	23	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0	1	-	82	-	89	-	56	145	8	37	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	89	-	91	-	62	133	3	29	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	92	-	96	-	73	131	4	28	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	99	-	104	-	72	131	5	28	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	89	-	89	-	54	146	0	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	4.1	5	-	63	-	97	-	21	198	42	34	Q	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	67	-	98	-	8	215	38	37	Q	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	1.2	2	-	88	-	89	-	72	125	2	26	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	97	-	96	-	72	130	1	32	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	95	-	95	-	71	128	0	21	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	1	-	85	-	79	-	45	149	7	27	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	98	-	98	-	78	123	0	22	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	0	1	-	100	-	97	-	73	127	3	26	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	191	Q	119	-	44	158	46	42	Q	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------								---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*96198 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	65	-	63	-	56	144	2	34	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	101	-	101	-	72	133	0	25	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	99	-	100	-	74	124	1	24	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	98	-	100	-	79	124	2	27	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	96	-	98	-	69	130	2	26	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	96	-	101	-	70	133	5	28	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	93	-	-	96	-	94	-	79	114	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	101	-	-	96	-	99	-	85	111	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	93	-	-	103	-	98	-	92	110	-	-	-	-	-	-	-	-	-	-	-	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9607589
DATE PRINTED: 30 JUL 1996

AQUEOUS SAMPLES

Batch: VOA*96197 Method: 8240 - GC/MS for Volatile Organics

		B6072339*1	C607275*1	.....	C6073035*1	.....	9607462*3	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/25/96	07/24/96	07/25/96	07/24/96	07/24/96	-	-	07/25/96	07/25/96	-
Dilution Factor	Times	1	1	1	1	1	-	-	1	1	-
1,1,1-Trichloroethane	ug/L	0	45.6	50.0	44.9	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	45.8	50.0	36.6	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	45.2	50.0	36.9	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	43.9	50.0	43.9	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	47.2	50.0	47.6	50.0	-	-	39.8	38.7	-
1,2-Dichloroethane	ug/L	0	47.3	50.0	45.0	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	49.4	50.0	45.3	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	42.3	50.0	41.9	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	48.9	50.0	45.5	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	48.8	50.0	45.2	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	38.3	50.0	14.0	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	47.2	50.0	37.0	50.0	-	-	-	-	-
Acetone	ug/L	5.5	26.7	50.0	29.3	50.0	-	-	-	-	-
Acrolein	ug/L	0	867	1000	680	1000	-	-	-	-	-
Acrylonitrile	ug/L	5.3	881	1000	643	1000	-	-	-	-	-
Bromodichloromethane	ug/L	0	49.8	50.0	44.0	50.0	-	-	-	-	-
Bromomethane	ug/L	0	32.2	50.0	37.2	50.0	-	-	-	-	-
Benzene	ug/L	0	41.7	50.0	42.1	50.0	-	-	35.4	33.0	-
Bromoform	ug/L	0	46.7	50.0	38.2	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	47.0	50.0	42.4	50.0	-	-	42.9	56.1	-
Carbon Tetrachloride	ug/L	0	35.6	50.0	35.2	50.0	-	-	-	-	-
Chloroethane	ug/L	0	41.3	50.0	48.7	50.0	-	-	-	-	-
Chloroform	ug/L	0	43.0	50.0	44.1	50.0	-	-	-	-	-
Chloromethane	ug/L	0	40.8	50.0	46.1	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	39.1	50.0	40.7	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	48.3	50.0	40.9	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	48.5	50.0	44.8	50.0	-	-	-	-	-
Freon 113	ug/L	0	40.7	50.0	42.5	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	43.3	50.0	42.1	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	46.4	50.0	28.0	50.0	-	-	-	-	-
Methylene chloride	ug/L	2.9	40.5	50.0	41.6	50.0	-	-	-	-	-
Styrene	ug/L	0	45.4	50.0	40.7	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	40.5	50.0	41.7	50.0	-	-	38.6	36.9	-
Trichlorofluoromethane	ug/L	0	46.2	50.0	49.4	50.0	-	-	-	-	-
Toluene	ug/L	0	46.0	50.0	42.2	50.0	-	-	43.3	40.6	-

AQUEOUS SAMPLES

Batch: VOA*96197 Method: 8240 - GC/MS for Volatile Organics, con't

		86072339*1	C607275*1		C6073035*1		9607462*3	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	47.9	50.0	42.9	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	62.0	50.0	86.7	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	37.8	50.0	48.3	50.0	-	-	-	-	-
Total Xylene Isomers	ug/L	0	147	150	131	150	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	45.2	50.0	45.1	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	48.8	50.0	43.2	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	44.1	50.0	44.1	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	50.4	50.0	41.3	50.0	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	45.6	48.9	50.0	48.4	50.0	-	-	46.1	45.6	-
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	50.0	50.0	-
4-Bromofluorobenzene Rep.	ug/L	48.6	52.3	50.0	51.8	50.0	-	-	54.6	56.1	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	50.0	50.0	-
Toluene-d8 Reported	ug/L	49.7	50.2	50.0	49.6	50.0	-	-	51.3	50.2	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	50.0	50.0	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9607589
DATE PRI[redacted]: 30 JUL 1996

AQUEOUS SAMPLES

Batch: VOA*96198 Method: 8240 - GC/MS for Volatile Organics

		B6072365*1	C6073003*1		C6073006*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	07/26/96	07/26/96	07/26/96	07/26/96	07/26/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	0	49.6	50.0	49.1	50.0	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	41.3	50.0	51.5	50.0	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	44.3	50.0	47.5	50.0	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	47.7	50.0	49.1	50.0	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	47.9	50.0	48.0	50.0	-	-	-	-	-
1,2-Dichloroethane	ug/L	0	48.5	50.0	50.1	50.0	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	49.0	50.0	51.2	50.0	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	48.6	50.0	49.4	50.0	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	49.7	50.0	51.3	50.0	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	49.4	50.0	51.0	50.0	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	23.9	50.0	43.5	50.0	-	-	-	-	-
2-Hexanone	ug/L	0	34.7	50.0	48.9	50.0	-	-	-	-	-
Acetone	ug/L	22	26.4	50.0	33.6	50.0	-	-	-	-	-
Acrolein	ug/L	0	741	1000	1010	1000	-	-	-	-	-
Acrylonitrile	ug/L	0	729	1000	1000	1000	-	-	-	-	-
Bromodichloromethane	ug/L	0	47.3	50.0	49.0	50.0	-	-	-	-	-
Bromomethane	ug/L	0	44.9	50.0	52.0	50.0	-	-	-	-	-
Benzene	ug/L	0	48.3	50.0	48.9	50.0	-	-	-	-	-
Bromoform	ug/L	0	41.1	50.0	49.0	50.0	-	-	-	-	-
Chlorobenzene	ug/L	0	49.4	50.0	48.7	50.0	-	-	-	-	-
Carbon Tetrachloride	ug/L	0	42.7	50.0	46.4	50.0	-	-	-	-	-
Chloroethane	ug/L	0	57.3	50.0	42.6	50.0	-	-	-	-	-
Chloroform	ug/L	0	48.2	50.0	48.4	50.0	-	-	-	-	-
Chloromethane	ug/L	0	41.1	50.0	44.4	50.0	-	-	-	-	-
Carbon Disulfide	ug/L	0	44.3	50.0	45.6	50.0	-	-	-	-	-
Dibromochloromethane	ug/L	0	46.1	50.0	47.9	50.0	-	-	-	-	-
Ethylbenzene	ug/L	0	49.7	50.0	52.2	50.0	-	-	-	-	-
Freon 113	ug/L	0	44.7	50.0	44.6	50.0	-	-	-	-	-
Methyl ethyl ketone	ug/L	4.1	31.7	50.0	48.6	50.0	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	33.4	50.0	48.9	50.0	-	-	-	-	-
Methylene chloride	ug/L	1.2	44.0	50.0	44.7	50.0	-	-	-	-	-
Styrene	ug/L	0	48.5	50.0	48.1	50.0	-	-	-	-	-
Trichloroethene	ug/L	0	47.7	50.0	47.7	50.0	-	-	-	-	-
Trichlorofluoromethane	ug/L	0	42.7	50.0	39.7	50.0	-	-	-	-	-
Toluene	ug/L	0	48.9	50.0	48.8	50.0	-	-	-	-	-

AQUEOUS SAMPLES

Batch: VOA*96198 Method: 8240 - GC/MS for Volatile Organics, con't

		B6072365*1	C6073003*1		C6073006*1		N/A				
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	50.2	50.0	48.6	50.0	-	-	-	-	-
Vinyl acetate	ug/L	0	95.3	50.0	59.6	50.0	-	-	-	-	-
Vinyl chloride	ug/L	0	32.3	50.0	31.7	50.0	-	-	-	-	-
Total Xylene Isomers	ug/L	0	151	150	151	150	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	49.4	50.0	50.1	50.0	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	49.0	50.0	50.1	50.0	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	48.2	50.0	49.1	50.0	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	48.1	50.0	50.4	50.0	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	46.5	48.0	50.0	46.8	50.0	-	-	-	-	-
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	ug/L	50.6	48.2	50.0	49.5	50.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-
Toluene-d8 Reported	ug/L	46.6	51.5	50.0	48.9	50.0	-	-	-	-	-
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-

The raw data (chromatograms, calibration summaries, etc.), included in this lab report for Level III data review purposes for VOCs, has been left out due to large volume. Level III data will be kept on file.

KEANTAN LABORATORIES
720 North Valley Street, Suite B, Anaheim, CA 92801
Tel.: (714) 535-7616 • Fax: (714) 535-7568

June 17, 1996

RECEIVED
JUN 18 1996
ENGLAND & ASSOCIATES

England & Associates
15375 Barranca Parkway
Suite F106
Irvine, CA 92718

Attention: Mr. Michael Higuchi

Subject: Report/Laboratory Testing Results
Project Name: Omega Chemical
Project No.: 339-A/445-02
KTL Project No.: 96-073-001

Dear Mr. Higuchi:

Enclosed are results of the laboratory testing program conducted on samples from the abovereferenced project. The testing performed for this program was conducted in general accordance with testing procedures as follows:

TYPE OF TEST	TEST PROCEDURE
Hydraulic Conductivity	ASTM D 5084
Particle Size Distribution	ASTM D 422
Specific Gravity	ASTM D 854
Bulk Density	ASTM D 2937
Total Organic Carbon	Walkley-Black
Effective Porosity	SWRCB

Attached herewith are Summary of Index Properties Test Results, Summary of Triaxial Permeability Test Results, and 4 Grain Size Distribution Curves.

We appreciate the opportunity to provide testing services to England & Associates. If you have any questions regarding the test results, please contact us.

Very truly yours,

Keantan Laboratories

Kean Tan, PE
Principal

Attachments

KEANTAN LABORATORIES
720 North Valley Street, Suite B, Anaheim, CA 92801
Tel.: (714) 535-7616 • Fax: (714) 535-7568

SUMMARY OF INDEX PROPERTIES TEST RESULTS

PROJECT NAME: OMEGA CHEMICAL

KTL NO.: 96-073-001

PROJECT NO.: 399-A/445-02

CLIENT: ENGLAND & ASSOCIATE

DATE: 6-17-96

SUMMARIZED BY: KEAN TAN

SAMPLE ID	DEPTH (FT)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	GRAIN SIZE DIST. GR:SA:FI	SPECIFIC GRAVITY	TOTAL ORGANIC CARBON (%)	TOTAL POROSITY (%)	EFFECTIVE POROSITY (%)
B-4-5	5	24.9	93.1					
B-4-10	10	15.1	102.3			0.38		
B-4-15	15	20.3	105.4					
B-4-20	20	16.3	100.0	9:53:38	2.64	0.19	39.4	16.2
B-4-30	30	21.9	101.0					
B-4-55	55	21.3	103.6	0:11:89	2.65	0.25	37.5	15.4
B-4-65	65	23.6	102.9					
B-4-70	70	20.0	108.9	0:15:85				
B-4-75	75	25.0	100.0	0:18:82	2.71	0.12	40.9	14.3

KEANTAN LABORATORIES
720 North Valley Street, Suite B, Anaheim, CA 92801
Tel.: (714) 535-7616 • Fax: (714) 535-7568

SUMMARY OF TRIAXIAL PERMEABILITY TEST RESULTS
ASTM D 5084

PROJECT NAME: OMEGA CHEMICAL

KTL NO.: 96-073-001

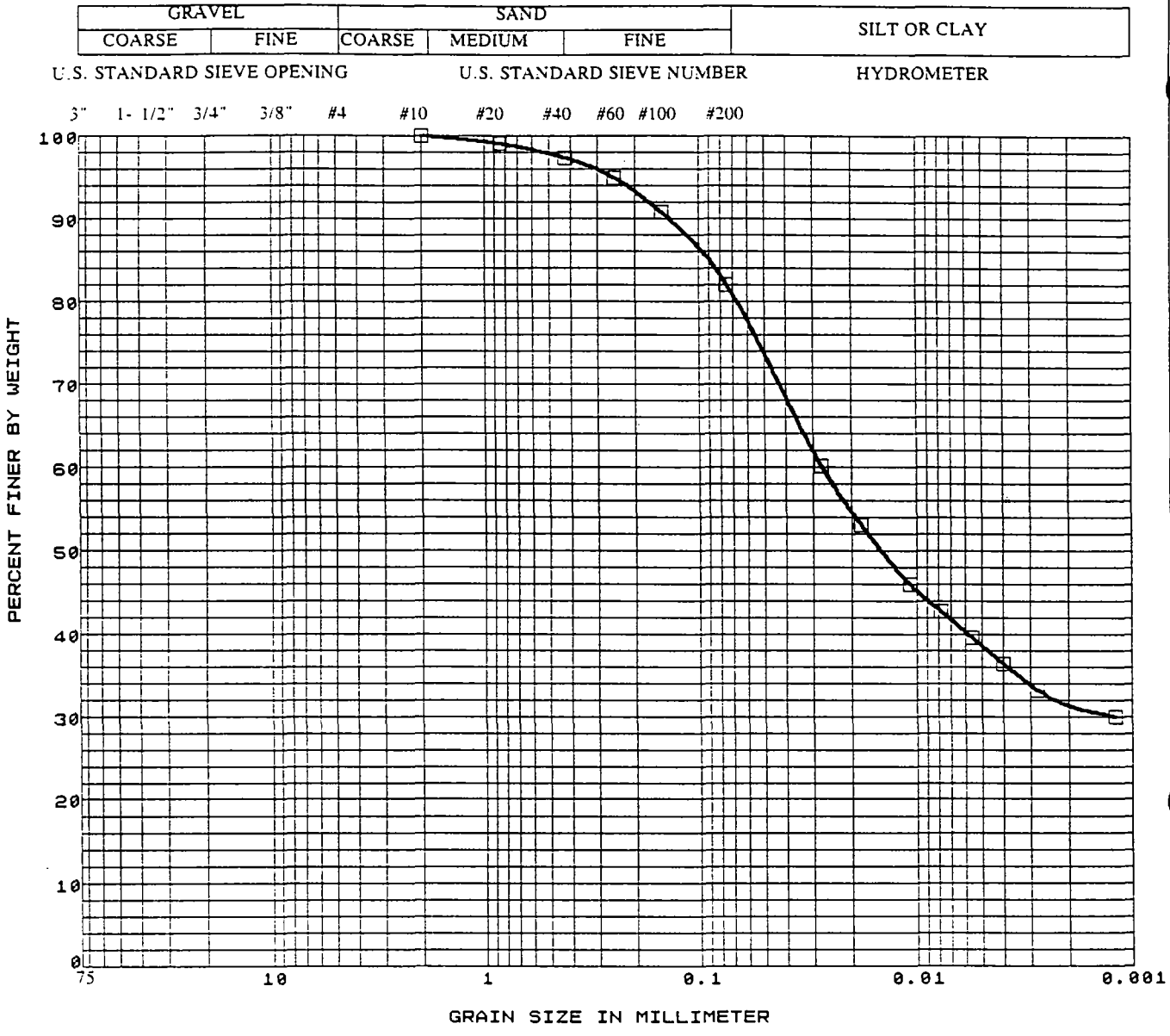
PROJECT NO.: 399-A/445-02

CLIENT: ENGLAND & ASSOCIATES

DATE: 6-17-96

SUMMARIZED BY: KEAN TAN

SAMPLE ID	DEPTH (FT)	USCS CLASS.	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	EFFECTIVE STRESS (PSI)	HYDRAULIC CONDUCTIVITY (CM/SEC)
B-4-20	20	N/A	16.3	100.0	11.0	3.6E-06
B-4-55	55	N/A	21.3	103.6	30.3	1.3E-08
B-4-75	75	N/A	25.0	100.0	41.3	3.4E-08



SYMBOL	SAMPLE ID.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTI-CITY INDEX
□	B-4-75	N/A	TUBE			

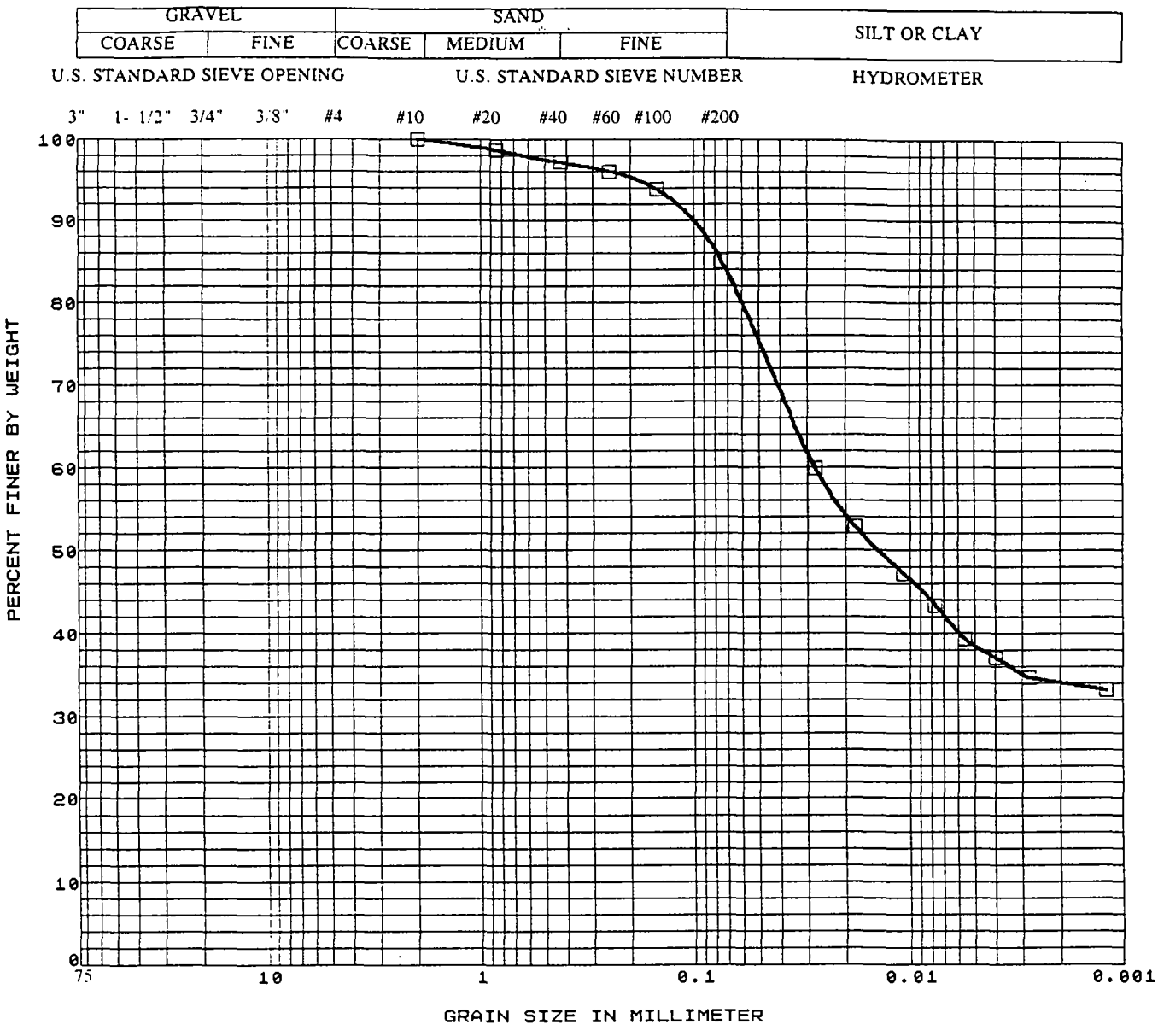
KEANTAN LABORATORIES

PROJECT NAME:
OMEGA CHEMICAL

GRAIN SIZE DISTRIBUTION CURVE

6/96

FIGURE



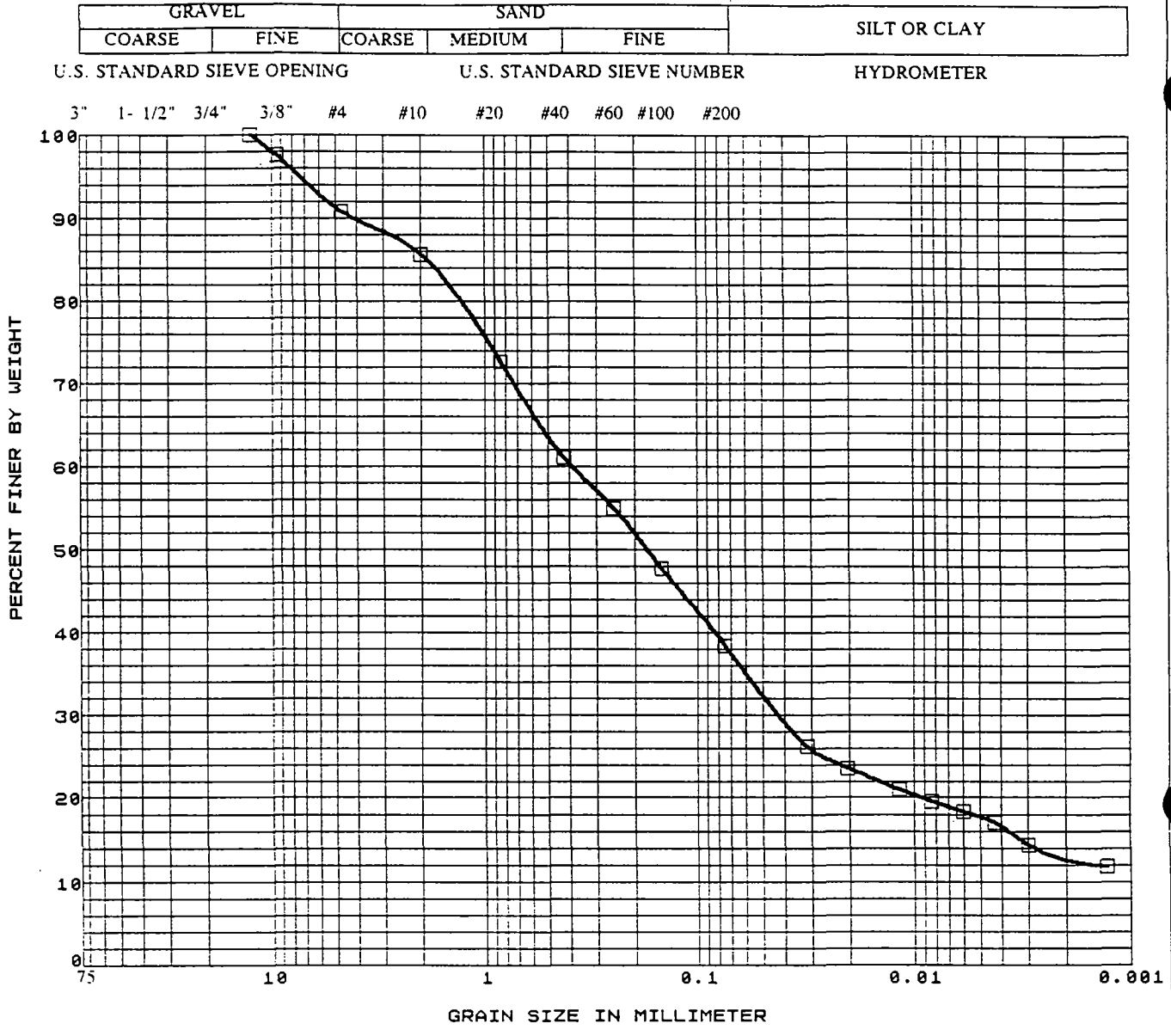
SYMBOL	SAMPLE ID.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTI-CITY INDEX
□	B-4-70	N/A	TUBE			

KEANTAN LABORATORIES	PROJECT NAME: OMEGA CHEMICAL

GRAIN SIZE DISTRIBUTION CURVE

6/96

FIGURE



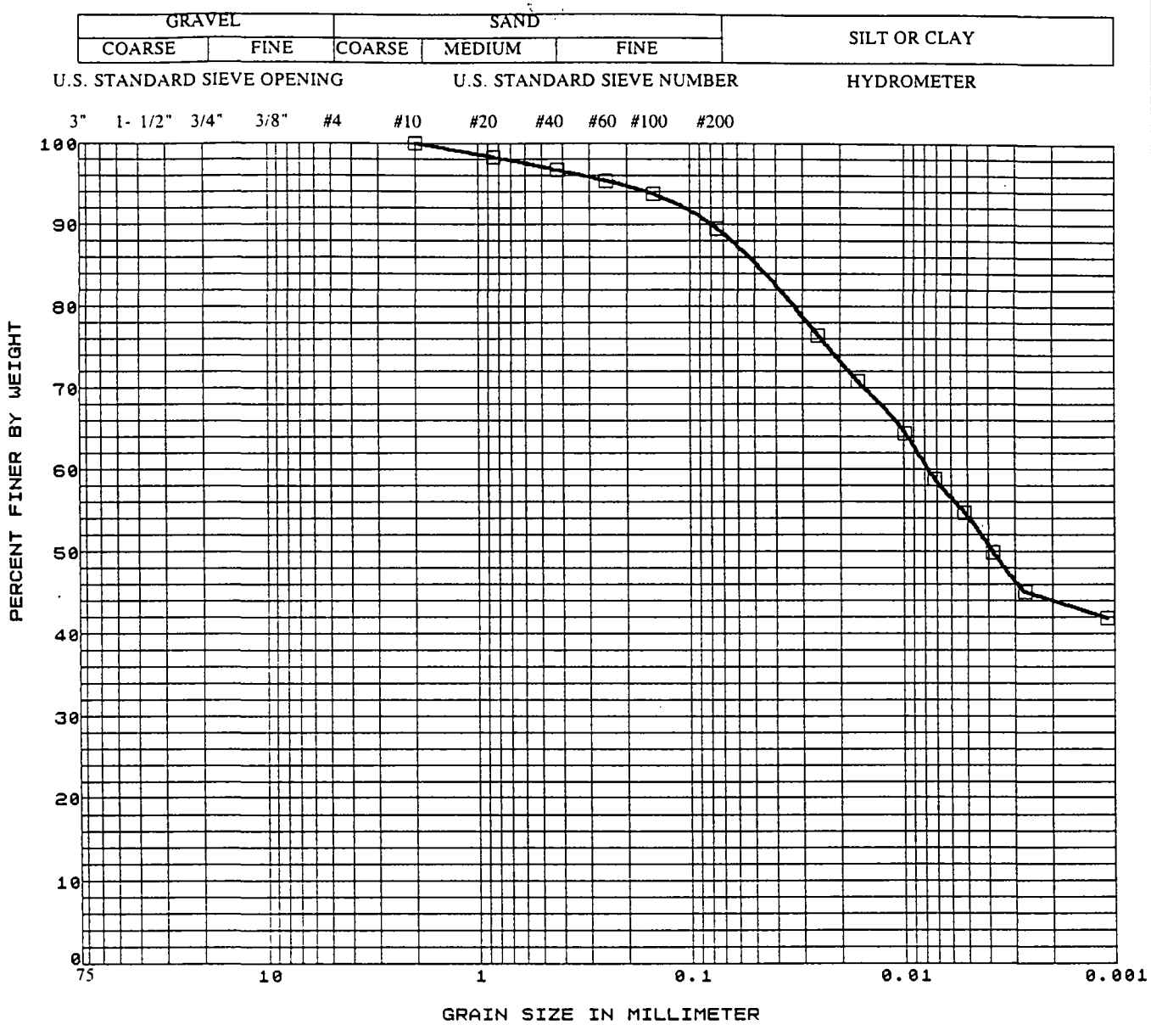
SYMBOL	SAMPLE ID.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTI-CITY INDEX
□	B-4-20	N/A	TUBE			

KEANTAN LABORATORIES	PROJECT NAME: OMEGA CHEMICAL

GRAIN SIZE DISTRIBUTION CURVE

6/96

FIGURE



SYMBOL	SAMPLE ID.	DEPTH (FT)	SAMPLE TYPE	SOIL TYPE	LIQUID LIMIT	PLASTI-CITY INDEX
□	B-4-55	N/A	TUBE			

KEANTAN LABORATORIES	PROJECT NAME: OMEGA CHEMICAL

GRAIN SIZE DISTRIBUTION CURVE

6/96

FIGURE

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
FAX 818/247-9797

ANALYTICAL REPORT

LOG NO: G96-09-261

Received: 13 SEP 96
Mailed : 25 SEP 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
09-261-1	Pit - 0.5	12 SEP 96
09-261-2	Pit - 5	12 SEP 96
09-261-3	Sump - 0.5	12 SEP 96
09-261-4	Sump - 5	12 SEP 96

PARAMETER	09-261-1	09-261-2	09-261-3	09-261-4
Vol.Pri.Poll. (8240)				
Date Analyzed	09/23/96	09/23/96	09/24/96	09/24/96
Date Extracted	09/23/96	09/23/96	09/23/96	09/23/96
Dilution Factor, Times	100	100	100	200
1,1,1-Trichloroethane, mg/kg	<0.5	<0.5	0.95	<1
1,1,2,2-Tetrachloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1,2-Trichloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1-Dichloroethane, mg/kg	<0.5	<0.5	<0.5	<1
1,1-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
1,2-Dichloroethane, mg/kg	<0.5	<0.5	1.6	1.0
1,2-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
1,2-Dichloropropane, mg/kg	<0.5	<0.5	<0.5	<1
1,3-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
1,4-Dichlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
2-Chloroethylvinylether, mg/kg	<0.5	<0.5	<0.5	<1
2-Hexanone, mg/kg	<3	<3	<3	<6
Acetone, mg/kg	<10	<10	<10	34
Acrolein, mg/kg	<30	<30	<30	<60
Acrylonitrile, mg/kg	<30	<30	<30	<60
Bromodichloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Bromomethane, mg/kg	<0.5	<0.5	<0.5	<1
Benzene, mg/kg	<0.5	<0.5	<0.5	<1
Bromoform, mg/kg	<0.5	<0.5	<0.5	<1
Chlorobenzene, mg/kg	<0.5	<0.5	<0.5	<1
Carbon Tetrachloride, mg/kg	<0.5	<0.5	<0.5	<1

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-09-261

Received: 13 SEP 96
Mailed : 25 SEP 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
09-261-1	Pit - 0.5	12 SEP 96
09-261-2	Pit - 5	12 SEP 96
09-261-3	Sump - 0.5	12 SEP 96
09-261-4	Sump - 5	12 SEP 96

PARAMETER	09-261-1	09-261-2	09-261-3	09-261-4
Chloroethane, mg/kg	<0.5	<0.5	<0.5	<1
Chloroform, mg/kg	<0.5	<0.5	<0.5	<1
Chloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Carbon Disulfide, mg/kg	<1	<1	<1	<2
Dibromochloromethane, mg/kg	<0.5	<0.5	<0.5	<1
Ethylbenzene, mg/kg	<0.5	<0.5	<0.5	<1
Freon 113, mg/kg	<1	<1	<1	<2
Methyl ethyl ketone, mg/kg	<3	<3	<3	<6
Methyl isobutyl ketone, mg/kg	<3	<3	<3	<6
Methylene chloride, mg/kg	<0.5	<0.5	<0.5	<1
Styrene, mg/kg	<0.5	<0.5	<0.5	<1
Trichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
Trichlorofluoromethane, mg/kg	<0.5	<0.5	<0.5	<1
Toluene, mg/kg	<0.5	<0.5	<0.5	<1
Tetrachloroethene, mg/kg	7.8	6.6	9.1	11
Vinyl acetate, mg/kg	<5	<5	<5	<10
Vinyl chloride, mg/kg	<0.5	<0.5	<0.5	<1
Total Xylene Isomers, mg/kg	<2	<2	<2	<4
cis-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
cis-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<1
trans-1,2-Dichloroethene, mg/kg	<0.5	<0.5	<0.5	<1
trans-1,3-Dichloropropene, mg/kg	<0.5	<0.5	<0.5	<1
Surrogates **				
1,2-Dichloroethane-d4 Rep., mg/kg	10.0	10.0	9.29	7.35

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
818/247-9797

LOG NO: G96-09-261

Received: 13 SEP 96
Mailed : 25 SEP 96

Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES	DATE SAMPLED
09-261-1	Pit - 0.5	12 SEP 96
09-261-2	Pit - 5	12 SEP 96
09-261-3	Sump - 0.5	12 SEP 96
09-261-4	Sump - 5	12 SEP 96

PARAMETER	09-261-1	09-261-2	09-261-3	09-261-4
1,2-Dichloroethane-d4 Theo., mg/kg	10.0	10.0	10.0	7.50
4-Bromofluorobenzene Rep., mg/kg	9.47	9.06	9.21	6.99
4-Bromofluorobenzene Theo., mg/kg	10.0	10.0	10.0	7.50
Toluene-d8 Reported, mg/kg	9.84	9.61	9.49	7.43
Toluene-d8 Theo., mg/kg	10.0	10.0	10.0	7.50

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
Fax: 818/247-9797

LOG NO: G96-09-261

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Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
09-261-5	TB-9-12-96	12 SEP 96

PARAMETER	09-261-5
Vol.Pri.Poll. (8240)	
Date Analyzed	09/23/96
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/L	<1
1,1,2,2-Tetrachloroethane, ug/L	<1
1,1,2-Trichloroethane, ug/L	<1
1,1-Dichloroethane, ug/L	<1
1,1-Dichloroethene, ug/L	<1
1,2-Dichloroethane, ug/L	<1
1,2-Dichlorobenzene, ug/L	<1
1,2-Dichloropropane, ug/L	<1
1,3-Dichlorobenzene, ug/L	<1
1,4-Dichlorobenzene, ug/L	<1
2-Chloroethylvinylether, ug/L	<5
2-Hexanone, ug/L	<5
Acetone, ug/L	<20
Acrolein, ug/L	<50
Acrylonitrile, ug/L	<50
Bromodichloromethane, ug/L	<1
Bromomethane, ug/L	<1
Benzene, ug/L	<1
Bromoform, ug/L	<1
Chlorobenzene, ug/L	<1
Carbon Tetrachloride, ug/L	<1
Chloroethane, ug/L	<1
Chloroform, ug/L	<1
Chloromethane, ug/L	<1

B C Analytical

801 Western Avenue
Glendale, CA 91201
818/247-5737
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Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
09-261-5	TB-9-12-96	12 SEP 96

PARAMETER	09-261-5				
Carbon Disulfide, ug/L	<2				
Dibromochloromethane, ug/L	<1				
Ethylbenzene, ug/L	<1				
Freon 113, ug/L	<2				
Methyl ethyl ketone, ug/L	<5				
Methyl isobutyl ketone, ug/L	<5				
Methylene chloride, ug/L	<2				
Styrene, ug/L	<1				
Trichloroethene, ug/L	<1				
Trichlorofluoromethane, ug/L	<1				
Toluene, ug/L	<1				
Tetrachloroethene, ug/L	<1				
Vinyl acetate, ug/L	<10				
Vinyl chloride, ug/L	<1				
Total Xylene Isomers, ug/L	<3				
cis-1,2-Dichloroethene, ug/L	<1				
cis-1,3-Dichloropropene, ug/L	<1				
trans-1,2-Dichloroethene, ug/L	<1				
trans-1,3-Dichloropropene, ug/L	<1				
Surrogates **					
1,2-Dichloroethane-d4 Rep., ug/L	49.4				
1,2-Dichloroethane-d4 Theo., ug/L	50.0				
4-Bromofluorobenzene Rep., ug/L	46.8				
4-Bromofluorobenzene Theo., ug/L	50.0				
Toluene-d8 Reported, ug/L	48.3				
Toluene-d8 Theo., ug/L	50.0				

B C Analytical

801 Western Avenue
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LOG NO: G96-09-261

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Mr. Mike Higuchi
England and Associates
15375 Barranca Parkway, Ste F-106
Irvine, CA 92618

Project: 399-A.OMEGA.CHEMICAL

REPORT OF ANALYTICAL RESULTS

Greta Galoustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar loca.

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: ORDER PLACED FOR CLIENT: England and Associates 9609261 :
: BC ANALYTICAL : GLEN LAB : 17:58:14 25 SEP 1996 - P. 1 :

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE..... ANALYZED	METHOD.....	EQUIP.	BATCH..	ID.NO
960[illegible]1*1	Pit - 0.5	8240.HSL	09.23.96	8240	537-01	9693188	8659
9609261*2	Pit - 5	8240.HSL	09.23.96	8240	537-01	9693188	8659
9609261*3	Sump - 0.5	8240.HSL	09.24.96	8240	537-01	9693188	8659
9609261*4	Sump - 5	8240.HSL	09.24.96	8240	537-01	9693188	8659
9609261*5	TB-9-12-96	VOA.8240.HSL	09.23.96	8240	537-01	961222	8659

**

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL, GLENDALE
QC REPORT FOR 9609261
DATE PRINTED: 25 SEP 1996

AQUEOUS SAMPLES

		METHOD BLANK			LAB CONTROL								MATRIX QC									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*961222 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	ug/L	0	1	-	110	-	-	-	63	132	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	1	-	89	-	-	-	51	157	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	1	-	98	-	-	-	70	136	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	1	-	102	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	1	-	99	-	-	-	64	134	-	-	-	86	-	88	-	54	130	3	27	-
1,2-Dichloroethane	ug/L	0	1	-	97	-	-	-	78	122	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	1	-	111	-	-	-	75	130	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	1	-	105	-	-	-	78	123	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	1	-	109	-	-	-	75	125	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	1	-	103	-	-	-	76	126	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	5	-	106	-	-	-	11	195	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	5	-	74	-	-	-	4	228	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	0	20	-	71	-	-	-	25	190	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	0	50	-	99	-	-	-	30	183	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	50	-	108	-	-	-	34	182	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	1	-	90	-	-	-	79	123	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/L	0	1	-	102	-	-	-	61	152	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	0	1	-	107	-	-	-	73	124	-	-	-	94	-	100	-	61	126	6	26	-
Bromoform	ug/L	0	1	-	105	-	-	-	58	148	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	1	-	102	-	-	-	75	126	-	-	-	101	-	102	-	71	127	0	23	-
Carbon Tetrachloride	ug/L	0	1	-	103	-	-	-	70	132	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/L	0	1	-	103	-	-	-	58	140	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/L	0	1	-	102	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/L	0.063	1	-	104	-	-	-	56	145	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	2	-	130	-	-	-	62	133	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	1	-	100	-	-	-	73	131	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	1	-	96	-	-	-	72	131	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	ug/L	0	2	-	119	-	-	-	54	146	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	5	-	81	-	-	-	21	198	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	5	-	78	-	-	-	8	215	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	2	-	111	-	-	-	72	125	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	0	1	-	100	-	-	-	72	130	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	1	-	123	-	-	-	71	128	-	-	-	101	-	103	-	63	122	3	21	-
Trichlorofluoromethane	ug/L	0	1	-	93	-	-	-	45	149	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	0	1	-	97	-	-	-	78	123	-	-	-	114	-	120	-	73	124	5	22	-
Tetrachloroethene	ug/L	0	1	-	110	-	-	-	73	127	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	10	-	101	-	-	-	44	158	-	-	-	-	-	-	-	-	-	-	-	-

AQUEOUS SAMPLES		------ METHOD BLANK ------			---------- LAB CONTROL ----------								---------- MATRIX QC ----------								
					LCS		LCSD				RPD	RPD	MS		MSD				RPD	RPD		
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: VOA*961222 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	ug/L	0	1	-	89	-	-	-	56	144	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	3	-	99	-	-	-	72	133	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	1	-	110	-	-	-	74	124	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	1	-	94	-	-	-	79	124	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	1	-	103	-	-	-	69	130	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	1	-	93	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	96	-	-	95	-	-	-	79	114	-	-	-	92	-	93	-	79	114	-	-	-
[4-Bromofluorobenzene]	Percent	91	-	-	92	-	-	-	85	111	-	-	-	97	-	97	-	85	111	-	-	-
[Toluene-d8]	Percent	94	-	-	96	-	-	-	92	110	-	-	-	84	Q	94	-	92	110	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------									
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9693188 Method: 8240 - GC/MS for Volatile Organics																						
1,1,1-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	0.5	-	75	-	71	-	68	131	5	28	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	0.5	-	88	-	83	-	70	125	6	25	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	0.5	-	76	-	80	-	69	137	5	19	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	0.5	-	95	-	88	-	72	129	7	29	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0	0.5	-	75	-	79	-	68	139	6	19	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.081	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES	------ METHOD BLANK ------				---------- LAB CONTROL ----------									---------- MATRIX QC ----------								
					LCS		LCSD					RPD	RPD	MS		MSD					RPD	RPD
	UNITS	RESULT	RDL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: 8240*9693188 Method: 8240 - GC/MS for Volatile Organics, con't																						
Vinyl chloride	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	mg/kg	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[1,2-Dichloroethane-d4]	Percent	105	0	-	103	-	98	-	78	121	-	-	-	-	-	-	-	-	-	-	-	-
[4-Bromofluorobenzene]	Percent	96	0	-	90	-	93	-	74	121	-	-	-	-	-	-	-	-	-	-	-	-
[Toluene-d8]	Percent	103	0	-	97	-	99	-	82	118	-	-	-	-	-	-	-	-	-	-	-	-

BC ANALYTICAL, GLENDALE
SUPPLEMENTAL QC REPORT FOR 9609261
DATE PRINTED: 25 SEP 1996

AQUEOUS SAMPLES

Batch: VOA*961222 Method: 8240 - GC/MS for Volatile Organics

		B6091342*1	C6092685*1	.....	N/A		9609152*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	09/23/96	09/23/96	09/23/96	-	-	09/23/96	-	09/24/96	09/24/96	09/23/96
Dilution Factor	Times	1	1	1	-	-	1	-	1	1	1
1,1,1-Trichloroethane	ug/L	0	54.8	50.0	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/L	0	44.5	50.0	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/L	0	48.8	50.0	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/L	0	51.0	50.0	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	0	49.6	50.0	-	-	-	-	43.0	44.1	50.0
1,2-Dichloroethane	ug/L	0	48.6	50.0	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	0	55.5	50.0	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	0	52.3	50.0	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	0	54.5	50.0	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	0	51.7	50.0	-	-	-	-	-	-	-
2-Chloroethylvinylether	ug/L	0	53.1	50.0	-	-	-	-	-	-	-
2-Hexanone	ug/L	0	36.9	50.0	-	-	-	-	-	-	-
Acetone	ug/L	0	35.6	50.0	-	-	<20	-	-	-	-
Acrolein	ug/L	0	993	1000	-	-	-	-	-	-	-
Acrylonitrile	ug/L	0	1080	1000	-	-	-	-	-	-	-
Bromodichloromethane	ug/L	0	45.1	50.0	-	-	-	-	-	-	-
Bromomethane	ug/L	0	51.2	50.0	-	-	-	-	-	-	-
Benzene	ug/L	0	53.5	50.0	-	-	-	-	56.5	59.9	60.0
Bromoform	ug/L	0	52.4	50.0	-	-	-	-	-	-	-
Chlorobenzene	ug/L	0	51.2	50.0	-	-	-	-	50.7	50.8	50.0
Carbon Tetrachloride	ug/L	0	51.5	50.0	-	-	-	-	-	-	-
Chloroethane	ug/L	0	51.7	50.0	-	-	-	-	-	-	-
Chloroform	ug/L	0	50.8	50.0	-	-	-	-	-	-	-
Chloromethane	ug/L	0.063	52.2	50.0	-	-	-	-	-	-	-
Carbon Disulfide	ug/L	0	65.2	50.0	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	0	49.9	50.0	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0	47.8	50.0	-	-	-	-	-	-	-
Freon 113	ug/L	0	59.3	50.0	-	-	-	-	-	-	-
Methyl ethyl ketone	ug/L	0	40.5	50.0	-	-	-	-	-	-	-
Methyl isobutyl ketone	ug/L	0	38.9	50.0	-	-	-	-	-	-	-
Methylene chloride	ug/L	0	55.6	50.0	-	-	-	-	-	-	-
Styrene	ug/L	0	50.0	50.0	-	-	-	-	-	-	-
Trichloroethene	ug/L	0	61.6	50.0	-	-	-	-	50.4	51.7	50.0
Trichlorofluoromethane	ug/L	0	46.3	50.0	-	-	-	-	-	-	-
Toluene	ug/L	0	48.7	50.0	-	-	-	-	56.8	60.0	0

AQUEOUS SAMPLES

Batch: VOA*961222 Method: 8240 - GC/MS for Volatile Organics, con't

		B6091342*1	C6092685*1	.....	N/A	.....	9609152*1	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Tetrachloroethene	ug/L	0	55.0	50.0	-	-	-	-	-	-	-
Vinyl acetate	ug/L	0	50.4	50.0	-	-	-	-	-	-	-
Vinyl chloride	ug/L	0	44.3	50.0	-	-	-	-	-	-	-
Total Xylene Isomers	ug/L	0	148	150	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	0	55.0	50.0	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0	47.1	50.0	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	0	51.7	50.0	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/L	0	46.3	50.0	-	-	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	ug/L	47.9	47.5	50.0	-	-	48.2	-	46.1	46.4	50.0
1,2-Dichloroethane-d4 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
4-Bromofluorobenzene Rep.	ug/L	45.6	46.2	50.0	-	-	46.6	-	48.4	48.7	50.0
4-Bromofluorobenzene Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0
Toluene-d8 Reported	ug/L	47.0	48.2	50.0	-	-	47.3	-	41.8	47.0	50.0
Toluene-d8 Theo.	ug/L	50.0	50.0	50.0	-	-	50.0	-	50.0	50.0	50.0

NON-AQUEOUS SAMPLES

Batch: 8240*9693188 Method: 8240 - GC/MS for Volatile Organics

		B6091345*1	C6092690*1		C6092691*1		N/A	.....	.....	.....	
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Date Analyzed	Date	09/24/96	09/24/96	09/24/96	09/24/96	09/24/96	-	-	-	-	-
Date Extracted	Date	09/23/96	09/23/96	09/23/96	09/23/96	09/23/96	-	-	-	-	-
Dilution Factor	Times	1	1	1	1	1	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0	1.50	2.00	1.42	2.00	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
2-Chloroethylvinylether	mg/kg	0	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	0	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0	-	-	-	-	-	-	-	-	-
Acrolein	mg/kg	0	-	-	-	-	-	-	-	-	-
Acrylonitrile	mg/kg	0	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0	1.76	2.00	1.65	2.00	-	-	-	-	-
Bromoform	mg/kg	0	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0	1.52	2.00	1,59	2.00	-	-	-	-	-
Carbon Tetrachloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	0	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	0	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg	0	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	mg/kg	0	-	-	-	-	-	-	-	-	-
Methyl isobutyl ketone	mg/kg	0	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0	1.89	2.00	1.76	2.00	-	-	-	-	-
Trichlorof[redacted]methane	mg/kg	0	-	-	-	-	-	-	-	-	-

NON-AQUEOUS SAMPLES

Batch: 8240*9693188 Method: 8240 - GC/MS for Volatile Organics, con't

		B6091345*1	C6092690*1		C6092691*1		N/A	.....	.....	.....	.....
	UNITS	MB	LC	LT	LC	LT	R1	R2	S1	S2	T
Toluene	mg/kg	0	1.49	2.00	1.58	2.00	-	-	-	-	-
Tetrachloroethene	mg/kg	0.081	-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	0	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0	-	-	-	-	-	-	-	-	-
Total Xylene Isomers	mg/kg	0	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	0	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	0	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	mg/kg	0	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/kg	0	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane-d4 Rep.	mg/kg	10.5	10.3	10.0	9.77	10.0	-	-	-	-	-
1,2-Dichloroethane-d4 Theo.	mg/kg	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-
4-Bromofluorobenzene Rep.	mg/kg	9.61	9.04	10.0	9.27	10.0	-	-	-	-	-
4-Bromofluorobenzene Theo.	mg/kg	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-
Toluene-d8 Reported	mg/kg	10.3	9.69	10.0	9.85	10.0	-	-	-	-	-
Toluene-d8 Theo.	mg/kg	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-

CHAIN OF CUSTODY

DATE 9/12/96 PAGE 1 OF 1

PROJECT MANAGER: MIKE HIGUCHI
COMPANY: ENGLAND & ASSOCIATES
ADDRESS: 15375 Barranca Parkway, Suite F-106
Irvine, California 92718
Phone: 714-453-8085 Fax: 714-453-0733

BILL TO: SAME AS ABOVE
COMPANY:
ADDRESS:

Bob Dadgar — SAMPLERS SIGNATURE
(714) 453-8085 — PHONE NUMBER

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H_2SO_4)/100g)	Oil and Grease 413.2 (1L (H_2SO_4)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCL)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCL)/50g)	Gasoline/BTXE (MOD 8015/8020) (4 oz (HCL)/50g)	Petroleum Distillates (C6-C25) (4 oz (HCL)/50g)	BTXE (8020) (2X40ml (HCL)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCL)/50g)	Aromatic Hydrocarbons (2X40ml (HCL)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCL)/50g)	Organic Pb (500ml/50g)	Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCL)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)	8240 + Freon 113	Number of Containers
TB-9-12-96	9/12/96	8:00	LIQ																			X	2
PIT-0.5	9/12/96	10:39	SOIL																			X	1
PIT-5	9/12/96	11:30	SOIL																			X	1
SUMP-0.5	9/12/96	11:40	SOIL																			X	1
SUMP-5	9/12/96	12:10	SOIL																			X	1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER: 399-A	TOTAL NUMBER OF CONTAINERS	6
PROJECT NAME: OMEGA CHEMICAL	CHAIN OF CUSTODY SEALS Y/N/NA	
PURCHASE ORDER NUMBER:	INTACT? Y/N/NA	
VIA	RECEIVED GOOD COND./COLD	
TAT: Normal	LAB NUMBER	

SAMPLE DISPOSAL INSTRUCTIONS

COMMENTS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Bob Dadgar Time: 12:00	Signature: Time:	Signature Time:
Printed Name: BOB DADGAR Date: 9/13/96	Printed Name: Date:	Printed Name: Date:
Company: ENGLAND & ASSOCIATES	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: T. Carter Time: 12:00	Signature: Time:	Signature: Time:
Printed Name: TODD CARTER Date: 9/13/96	Printed Name: Date:	Printed Name: Date:
Company: BCA	Company	Company

APPENDIX E

Cone Penetrometer Testing Logs, Off-Site CPT Locations

PRESENTATION OF CONE PENETRATION TEST DATA

OMEGA CHEMICAL

WHITTIER, CALIFORNIA

Prepared for:

ENGLAND & ASSOCIATES
Irvine, California

Prepared by:

GREGG IN SITU, INC.
Signal Hill, California

Prepared on:

August 2, 1996

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1.0 INTRODUCTION

2.0 FIELD EQUIPMENT & PROCEDURES

3.0 CONE PENETRATION TEST DATA & INTERPRETATION

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APPENDIX

- CPT Plots
- Interpretation Chart
- Hydropunch System Figure
- References

PRESENTATION OF CONE PENETRATION TEST DATA

1.0 INTRODUCTION

This report presents the results of a Cone Penetration Testing (CPT) and in situ groundwater sampling program carried out at the Omega Chemical site located in Whittier, CA. The work was performed between 7/15 and 7/19, 1996. The scope of work was performed as directed by ENGLAND & ASSOCIATES/HARGIS personnel.

2.0 FIELD EQUIPMENT & PROCEDURES

The Cone Penetration Tests (CPT) were carried out by GREGG IN SITU, INC. of Signal Hill, CA using an integrated electronic cone system. The CPT soundings were performed in accordance with ASTM standards (D3441). A 20 ton capacity cone was used for all of the soundings. This cone has a tip area of 15 sq.cm. and friction sleeve area of 225 sq.cm. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cones used during the program recorded the following parameters at 5 cm depth intervals:

- Tip Resistance (Qc)
- Sleeve Friction (Fs)
- Dynamic Pore Pressure (Ut)

The above parameters were printed simultaneously on a printer and stored on a computer diskette for future analysis and reference.

The pore water pressure element was located directly behind the cone tip. The pore water pressure element was 5.0 mm thick and consisted of porous plastic. Each of the elements were saturated in glycerin under vacuum pressure prior to penetration. Pore pressure dissipations were recorded at 5 second intervals when appropriate during pauses in the penetration.

A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

The cones were pushed using GREGG IN SITU's CPT rig, having a down pressure capacity of approximately 25 tons. Eight CPT soundings were performed. Test locations and depths were determined in the field by ENGLAND & ASSOCIATE/HARGIS personnel. Table 1 provides a summary of the CPT test depths.

In situ groundwater samples were taken at each location. At some locations multiple depth groundwater samples were collected. Groundwater samples were collected using the Hydropunch groundwater sampling system. The Hydropunch operates by pushing 1.75 or 1.5 inch diameter hollow rods with a retrievable tip. A stainless steel filter screen is attached to the tip. At the desired sampling depth, the rods are retracted exposing the filter screen and allowing for groundwater infiltration. A small diameter bailer is then used to collect groundwater samples through the hollow rod.

The CPT/Hydropunch holes were grouted using our support rig. The grouting procedure consists of pushing a hollow CPT rod with a "knock out" plug back down the hole to the test hole termination depth. Grout is then pumped under pressure as the tremie pipe is pulled from the hole.

3.0 CONE PENETRATION TEST DATA & INTERPRETATION

The cone penetration test data is presented in graphical form in the attached Appendix. Penetration depths are referenced to existing ground surface. This data includes CPT logs of measured soil parameters and interpreted soil types.

The stratigraphic interpretation is based on relationships between cone bearing (Qc), sleeve friction (Fs), and penetration pore pressure (Ut). The friction ratio (Rf), which is sleeve friction divided by cone bearing, is a calculated parameter which is used to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone bearing and generate large excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little in the way of excess pore water pressures.

The interpretation of soils encountered on this project was carried out using recent correlations developed by Robertson et al, 1988. It should be noted that it is not always possible to clearly identify a soil type based on Qc, Fs and Ut. In these situations, experience and judgement and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type. The soil classification chart used to interpret soil types based on Qc and Rf is provided in the Appendix.

GREGG IN SITU, INC.
August 2, 1996

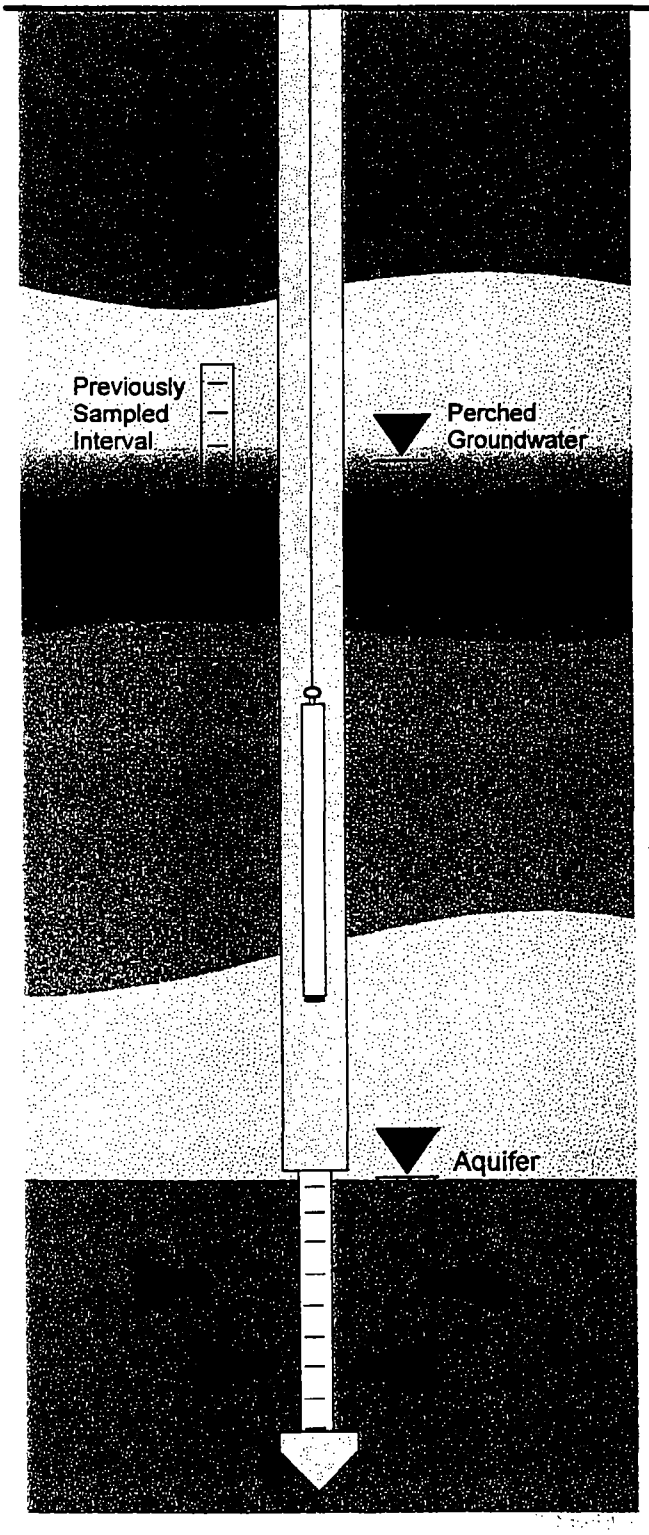
ENGLAND & ASSOCIATES
Omega Chemical
Whittier, CA

We hope the information presented is sufficient for your purposes. If you have any questions, please do not hesitate to contact our office at (310) 427-6899.

Sincerely,
GREGG IN SITU, INC.

Steven P. Kehoe, P.E.
General Manager

Groundwater Sampling



A push-type groundwater sampler with a sealed screen section is used to collect discrete groundwater samples. Both 2 inch and 1 3/4 inch diameter samplers are used depending on the soil type and density. The smaller sampler can generally be pushed to greater depths.

The groundwater samplers have a retrievable stainless steel screen. This allows for multiple depth groundwater sampling using the same penetration hole. If slow recharge occurs or longer term monitoring is required, 3/4 inch PVC well points can be installed using the same samplers.

The groundwater sampler is pushed in a closed positon to the desired sampling interval. The sampler push rod is then retracted exposing the inlet screen. Groundwater flows hydrostatically from the formation into the inlet screen.

For floating layer hydrocarbons, a small diameter bailer (3/4 inch or 1/2 inch) is lowered through the hollow push rods, into the screen section for sample collection. For sampling of larger volume, nonvolatile groundwater samples, 1/4 inch tubing is lowered into the screen and a peristaltic or gas lift pump is used to retrieve the groundwater sample.

REFERENCES

Robertson, P.K. and Campanella, R.G. and Wightman, A., 1983 "SPT-CPT Correlations", Journal of the Geotechnical Division, ASCE, Vol. 109, No. GT11, Nov., pp. 1449-1460.

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Robertson, P.K. and Campanella, R.G., Gillespie, D. and Grieg, J., 1986, "Use of Piezometer Cone Data", Proceedings of In Situ 86, ASCE Specialty Conference, Blacksburg, Virginia.

Robertson, P.K. and Campanella, R.G., 1988, "Guidelines for Use, Interpretation and Application of the CPT and CPTU", UBC, Soil Mechanics Series No. 105, Civil Eng. Dept., Vancouver, B.C., V6T 1W5, Canada; also available from Hogentogler and Co., P.O. Box 385, Gaithersburg, MD 20877, 3rd Edition, 197 pp.

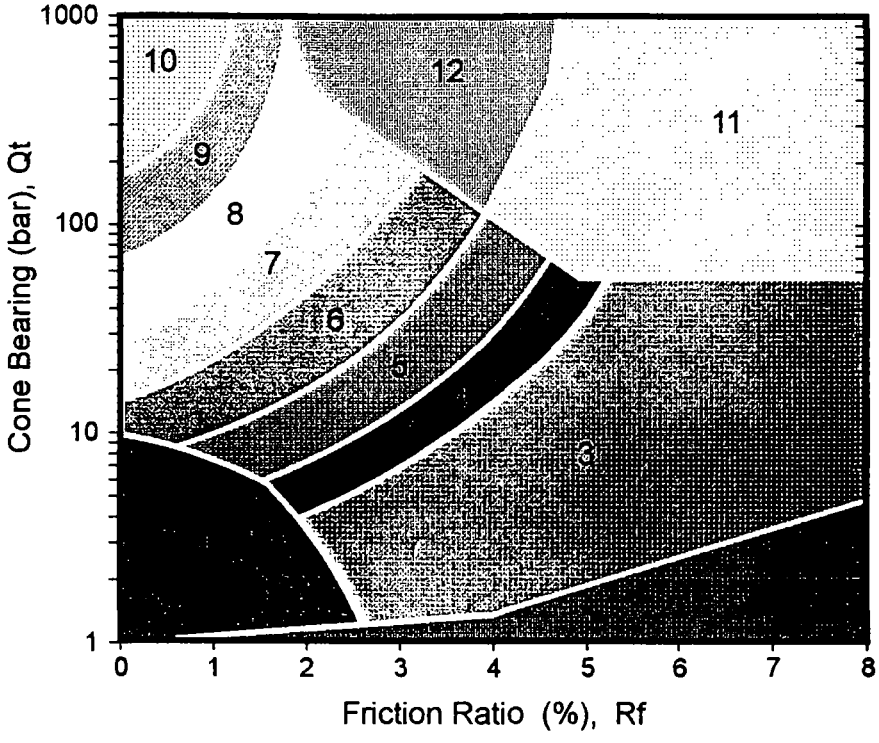
Robertson, P.K., Campanella, R.G., Gillespie, D. and Rice, A., 1986, "Seismic CPT to Measure In Situ Shear Wave Velocity", Journal of Geotechnical Engineering, ASCE, Vol. 112, No. 8, pp. 791-803.

TABLE 1 - SUMMARY OF CONE PENETRATION TESTING

LOCATION	MAX DEPTH (ft)
H-6	115.65
H-7	97.11
H-8	90.22
H-9	71.85
H-10	92.85
H-11	95.14
H-12B	122.37
H-13	84.97

APPENDIX

CPT Classification Chart
(after Robertson and Campanella, 1988)



Zone	Q_t / N	Soil Behaviour Type
1	2	sensitive fine grained
2	1	organic material
3	1	clay
4	1.5	silty clay to clay
5	2	clayey silt to silty clay
6	2.5	sandy silt to clayey silt
7	3	silty sand to sandy silt
8	4	sand to silty sand
9	5	sand
10	6	gravelly sand to sand
11	1	very stiff fine grained *
12	2	sand to clayey sand *

* overconsolidated or cemented

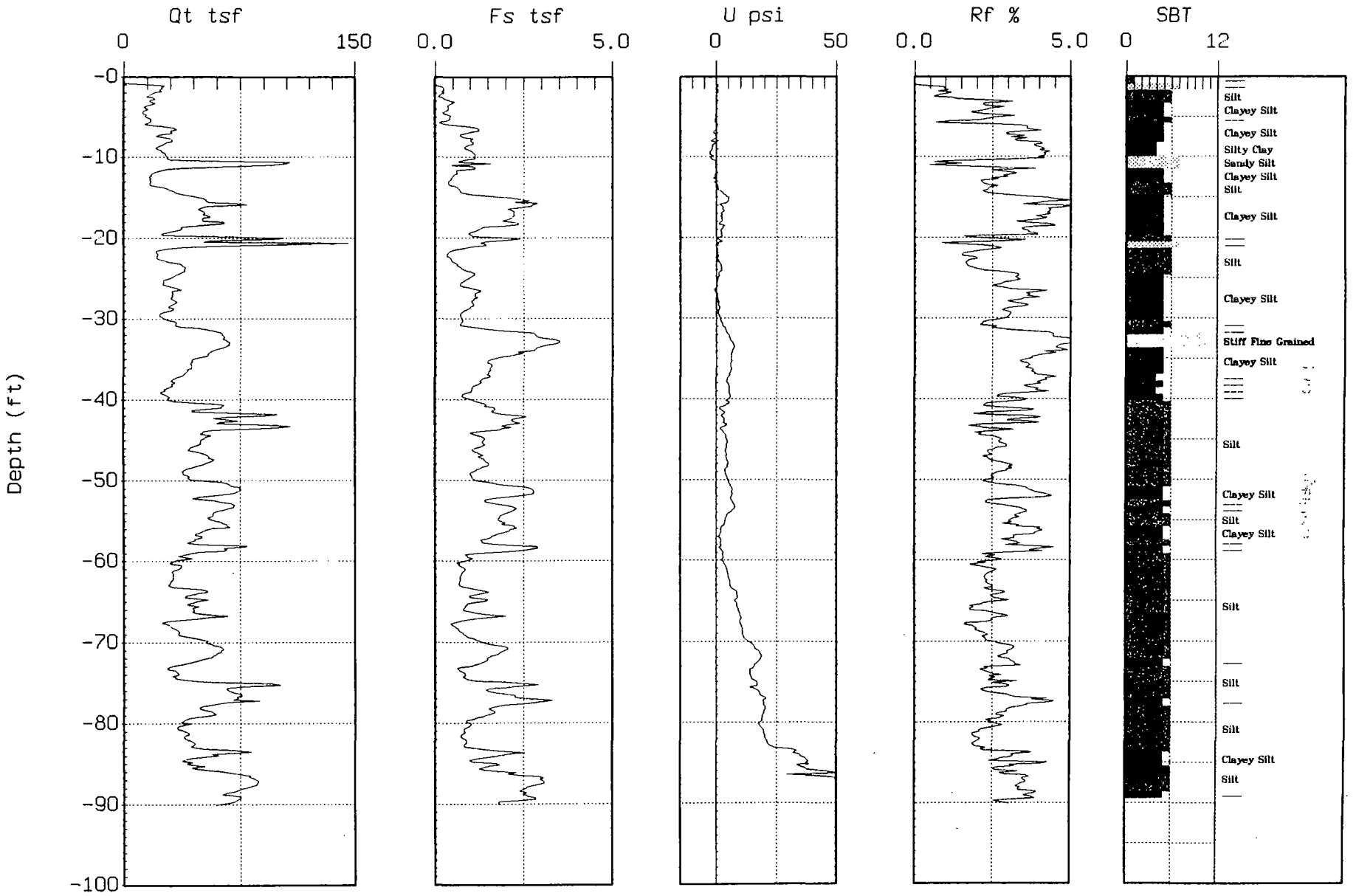
GREGG

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEM.
Location : H-1

Geologist : GREG CRANHAN
Date : 01:29:96 14:35



Max. Depth: 90.06 (ft)

Depth Inc.: 0.164 (ft)

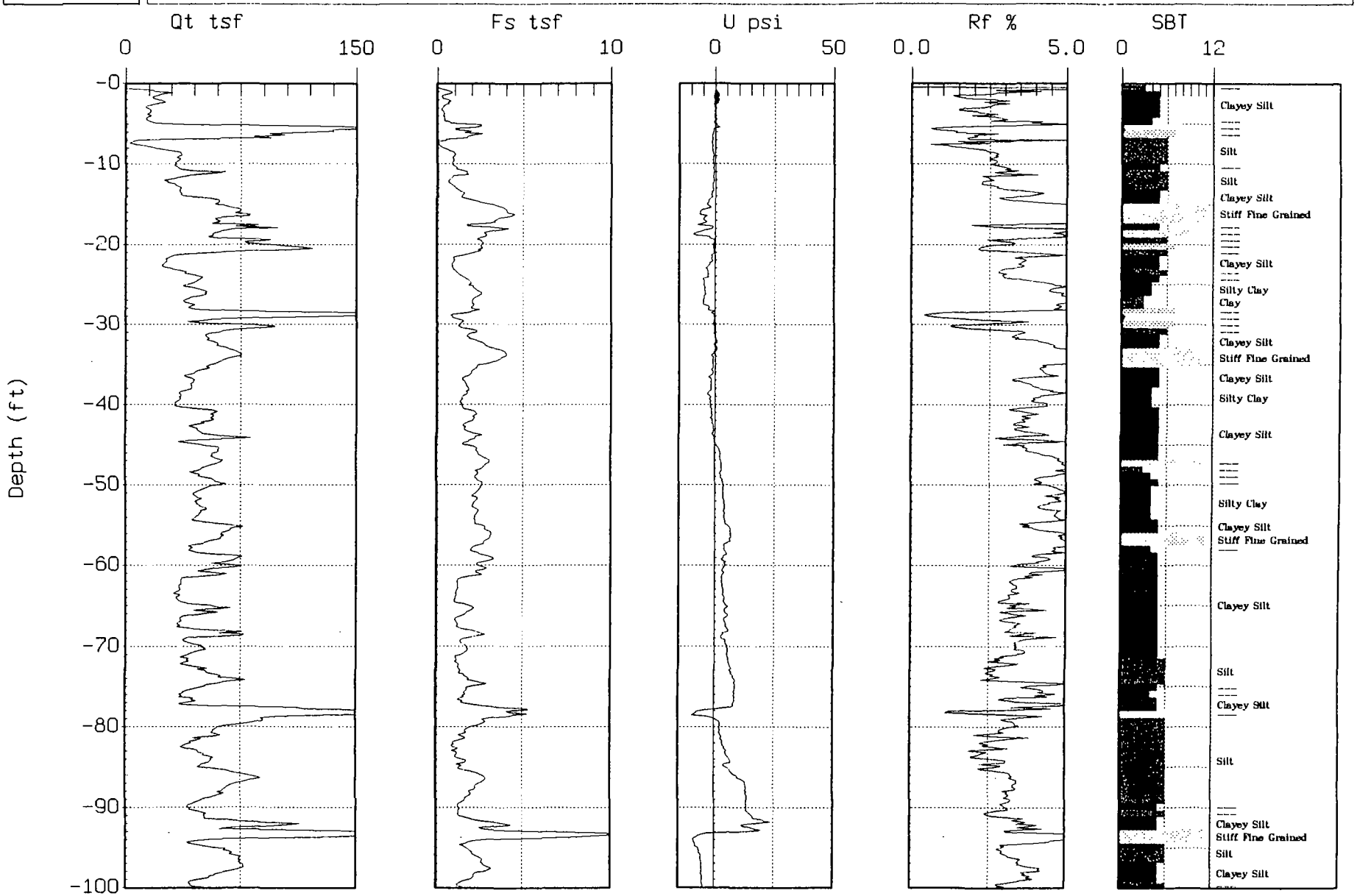
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEMICALS
Location : H-2

Geologist : GREG CRANHAN
Date : 01:30:96 08:00



Max. Depth: 123.85 (ft)

Depth Inc.: 0.164 (ft)

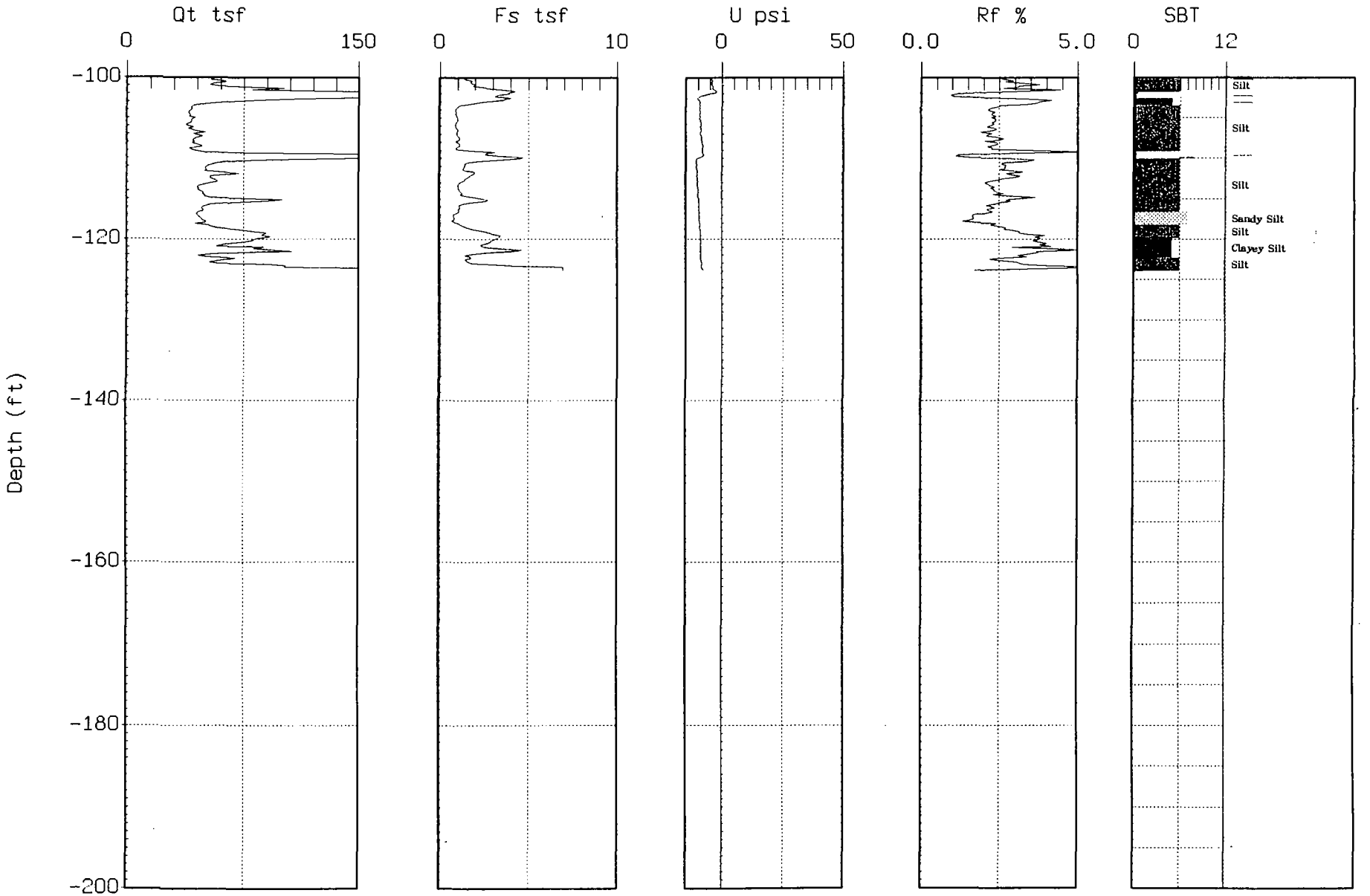
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEMICALS
Location : H-2

Geologist : GREG CRANHAN
Date : 01:30:96 08:00



Max. Depth: 123.85 (ft)

Depth Inc.: 0.164 (ft)

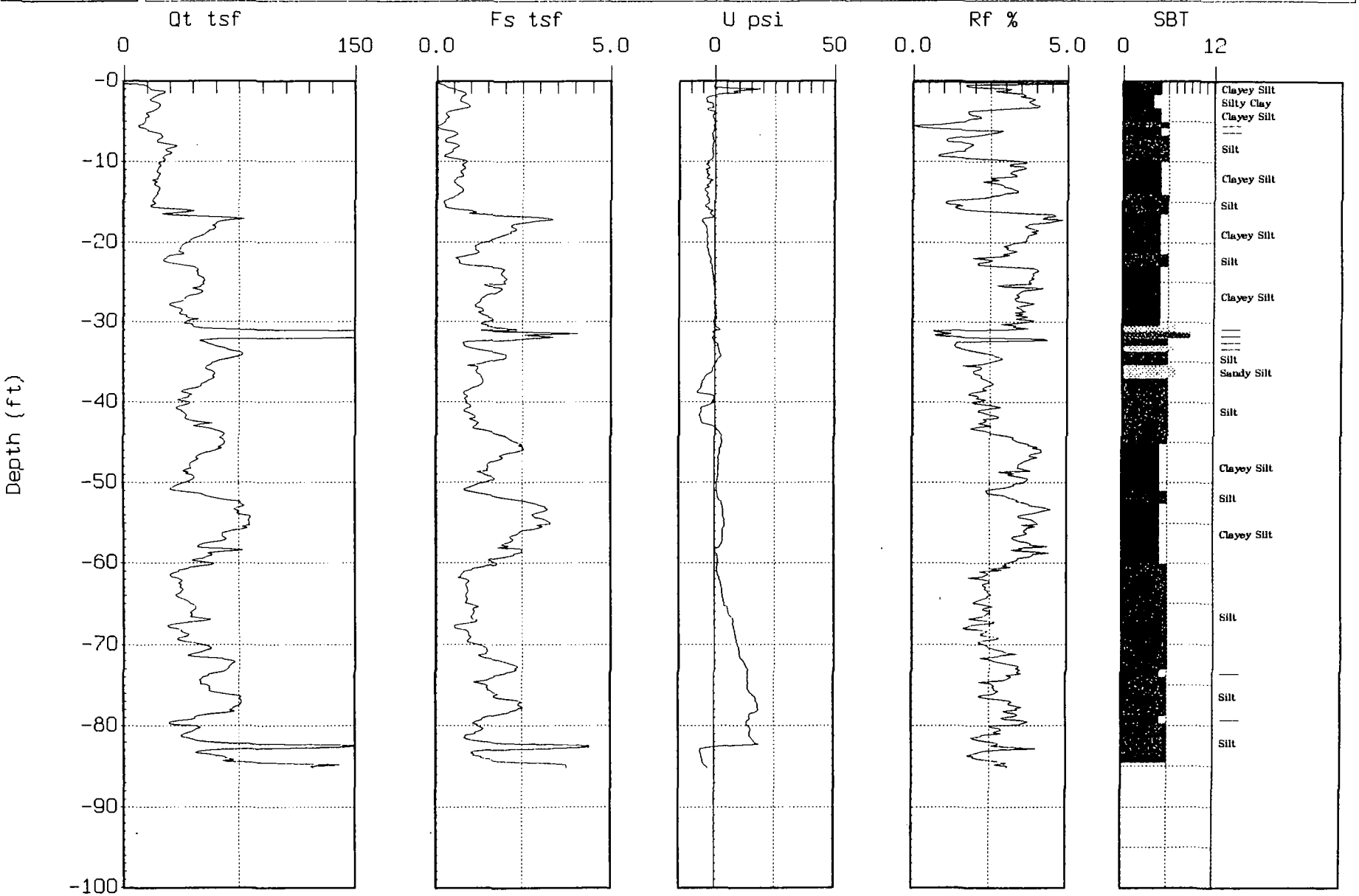
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEM.
Location : H-3

Geologist : GREG CRANHAN
Date : 01:29:96 09:03



Max. Depth: 85.14 (ft)

Depth Inc.: 0.164 (ft)

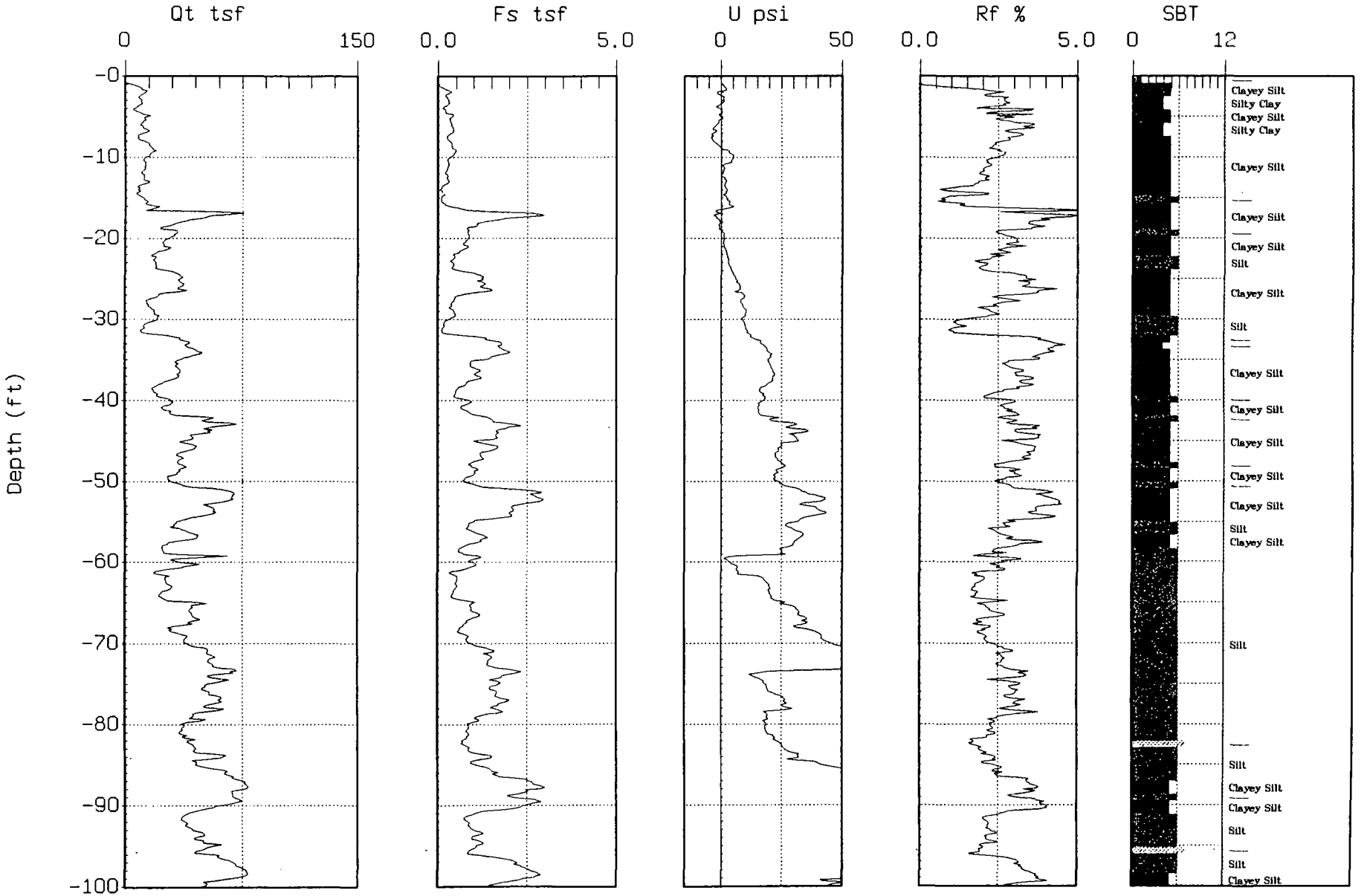
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEM.
Location : H-4

Geologist : GREG CRANHAN
Date : 01:29:96 11:33



Max. Depth: 101.05 (ft)

Depth Inc.: 0.164 (ft)

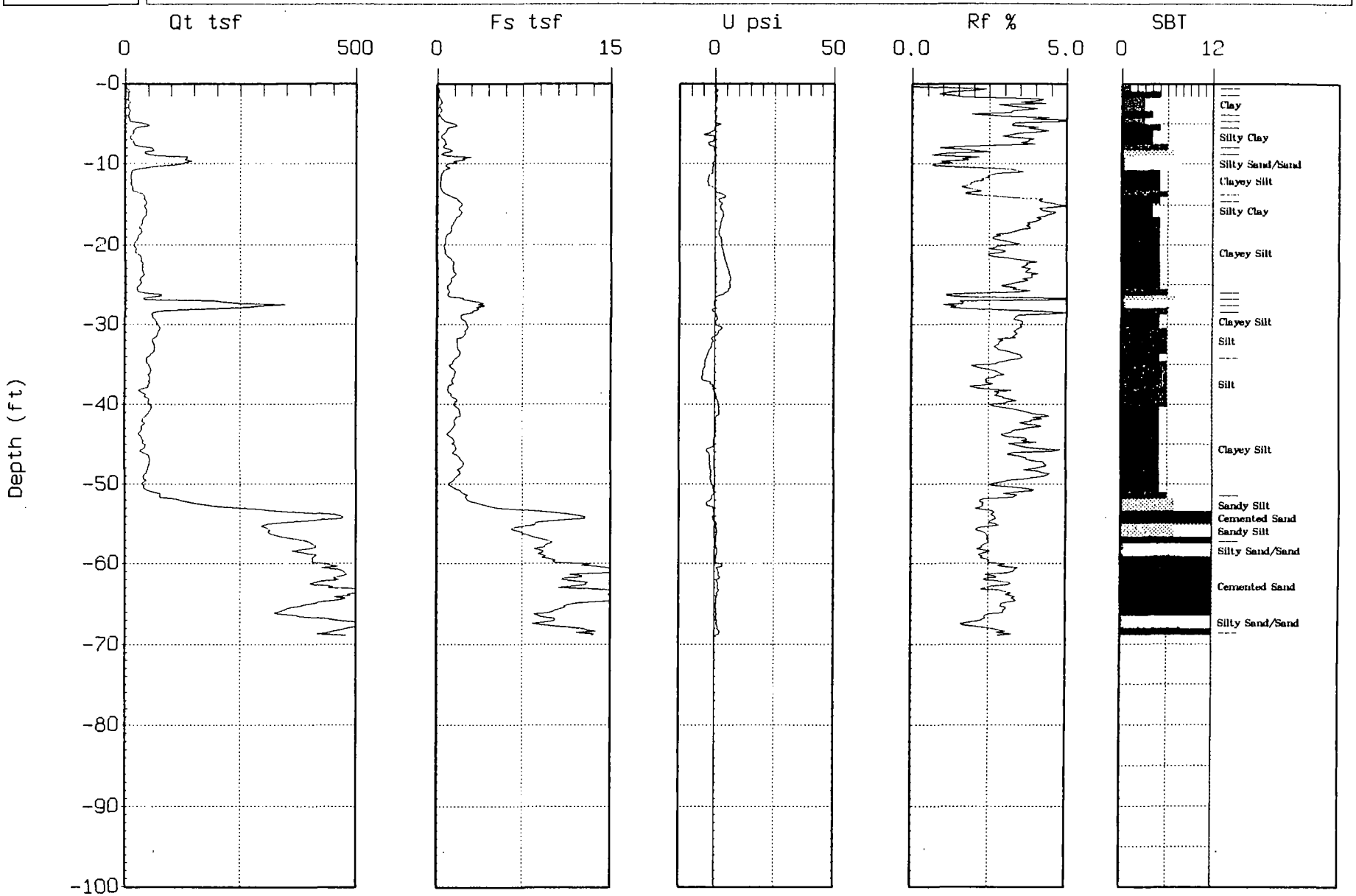
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site: OMEGA CHEMICALS
Location : H-5

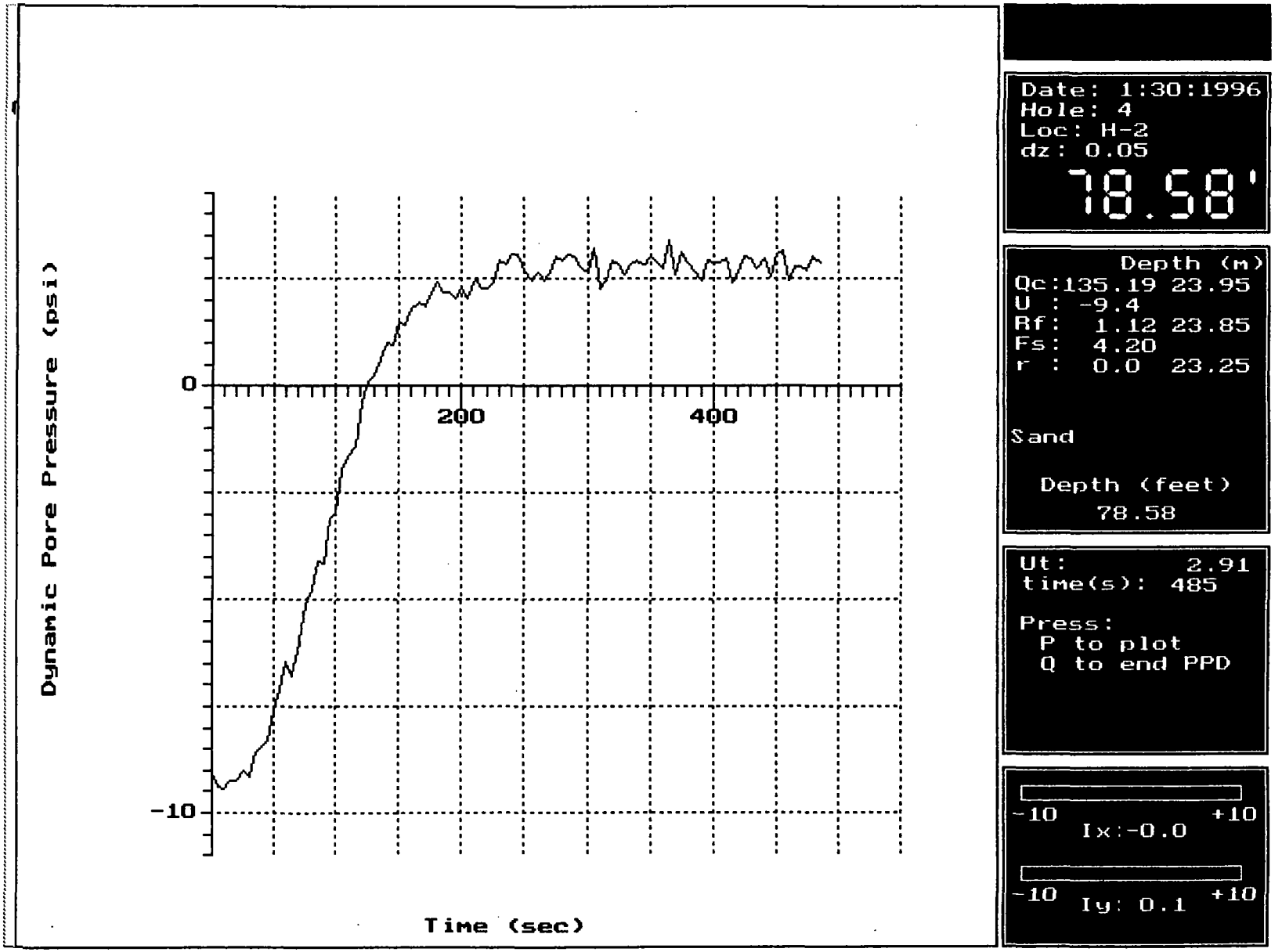
Geologist : GREG CRANAHAN
Date : 01:31:96 08:09



Max. Depth: 68.90 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

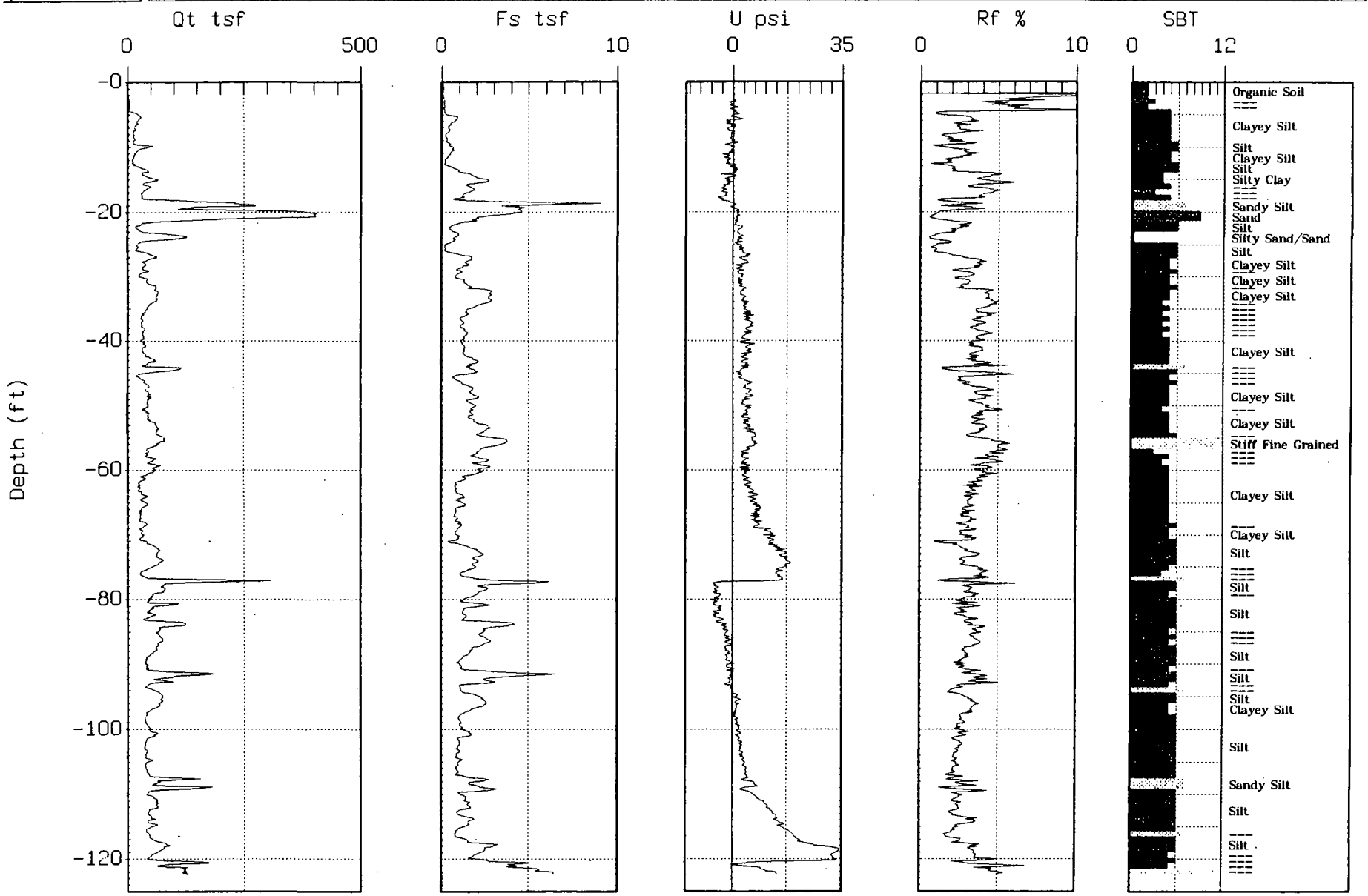

Dynamic Pore Pressure (psi)
0
-10
200
400
Time (sec)
Date: 1:30:1996
Hole: 4
Loc: H-2
dz: 0.05
78.58'
Depth (m)
Qc:135.19 23.95
U : -9.4
Rf: 1.12 23.85
Fs: 4.20
r : 0.0 23.25
Sand
Depth (feet)
78.58
Ut: 2.91
time(s): 485
Press:
P to plot
Q to end PPD
-10 +10
Ix:-0.0
-10 +10
Iy: 0.1

GREGG

ENGLAND/HARGIS

Site : OMEGA
Location : H-12B

Geologist : GREG CRANHAM
Date : 07:19:96 13:45



Max. Depth: 122.37 (ft)

Depth Inc.: 0.164 (ft)

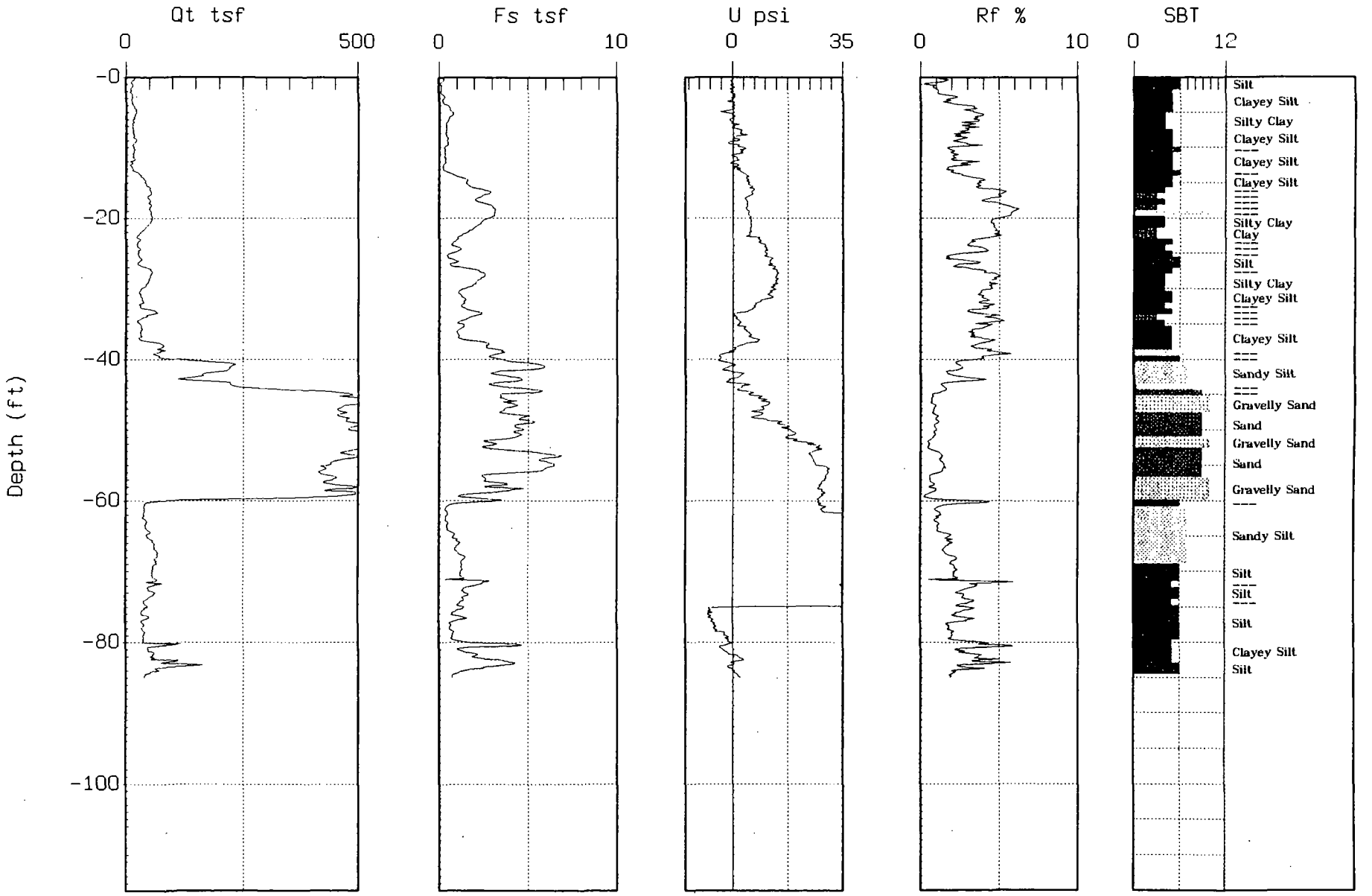
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Site : OMEGA CHEMICALS
Location : H-13

Geologist : G. CRANAHAM
Date : 07:19:96 08:28

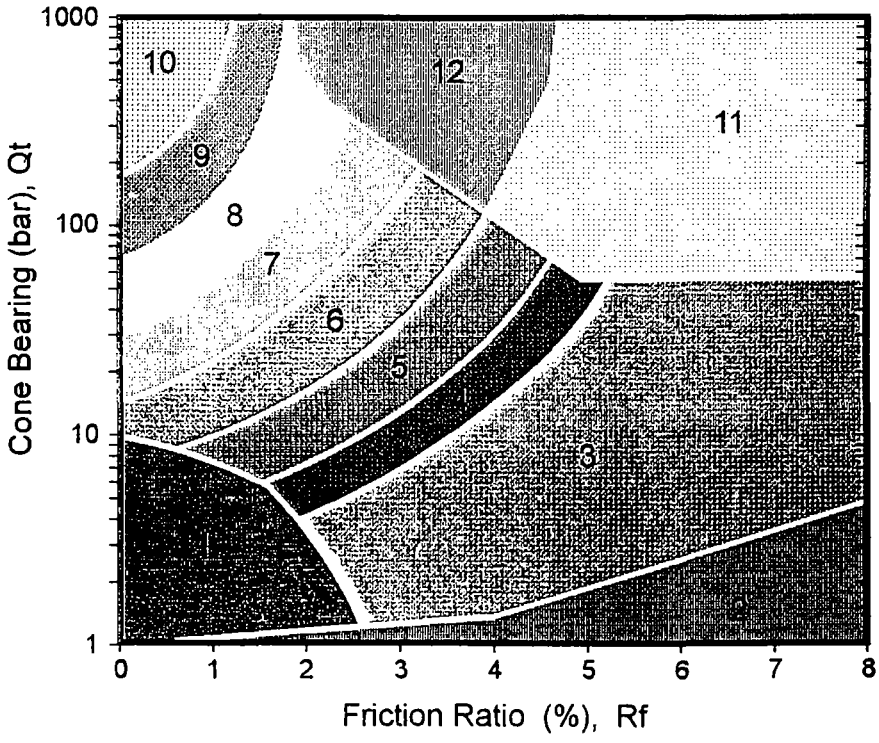


Max. Depth: 84.97 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

CPT Classification Chart
(after Robertson and Campanella, 1988)



Zone	Q_t / N	Soil Behaviour Type
1	2	sensitive fine grained
2	1	organic material
3	1	clay
4	1.5	silty clay to clay
5	2	clayey silt to silty clay
6	2.5	sandy silt to clayey silt
7	3	silty sand to sandy silt
8	4	sand to silty sand
9	5	sand
10	6	gravelly sand to sand
11	1	very stiff fine grained *
12	2	sand to clayey sand *

* overconsolidated or cemented

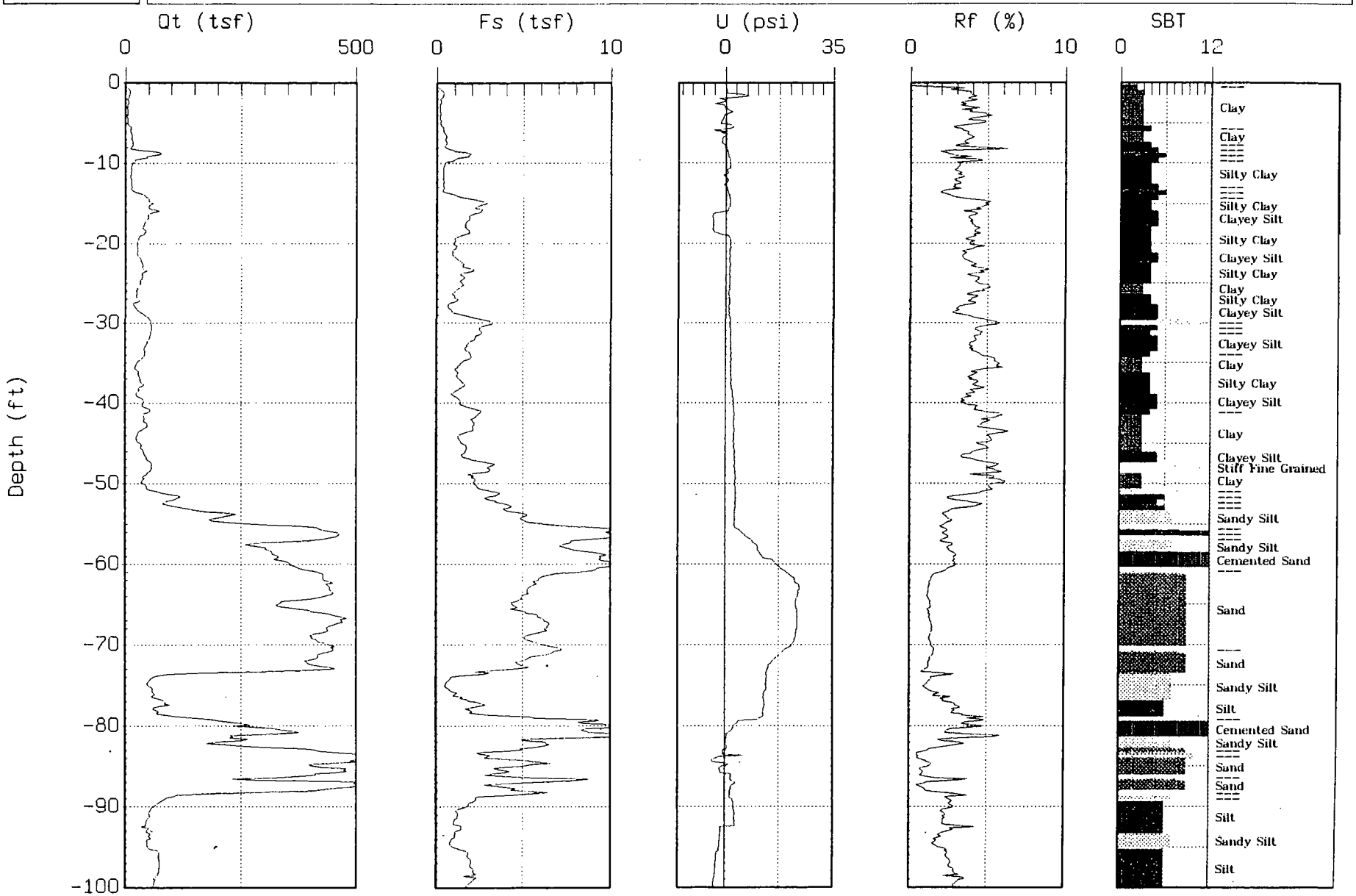
GREGG

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-6

Geologist : GREG CRANHAM
Date : 07:15:96 07:46



Max. Depth: 115.65 (ft)

Depth Inc.: 0.164 (ft)

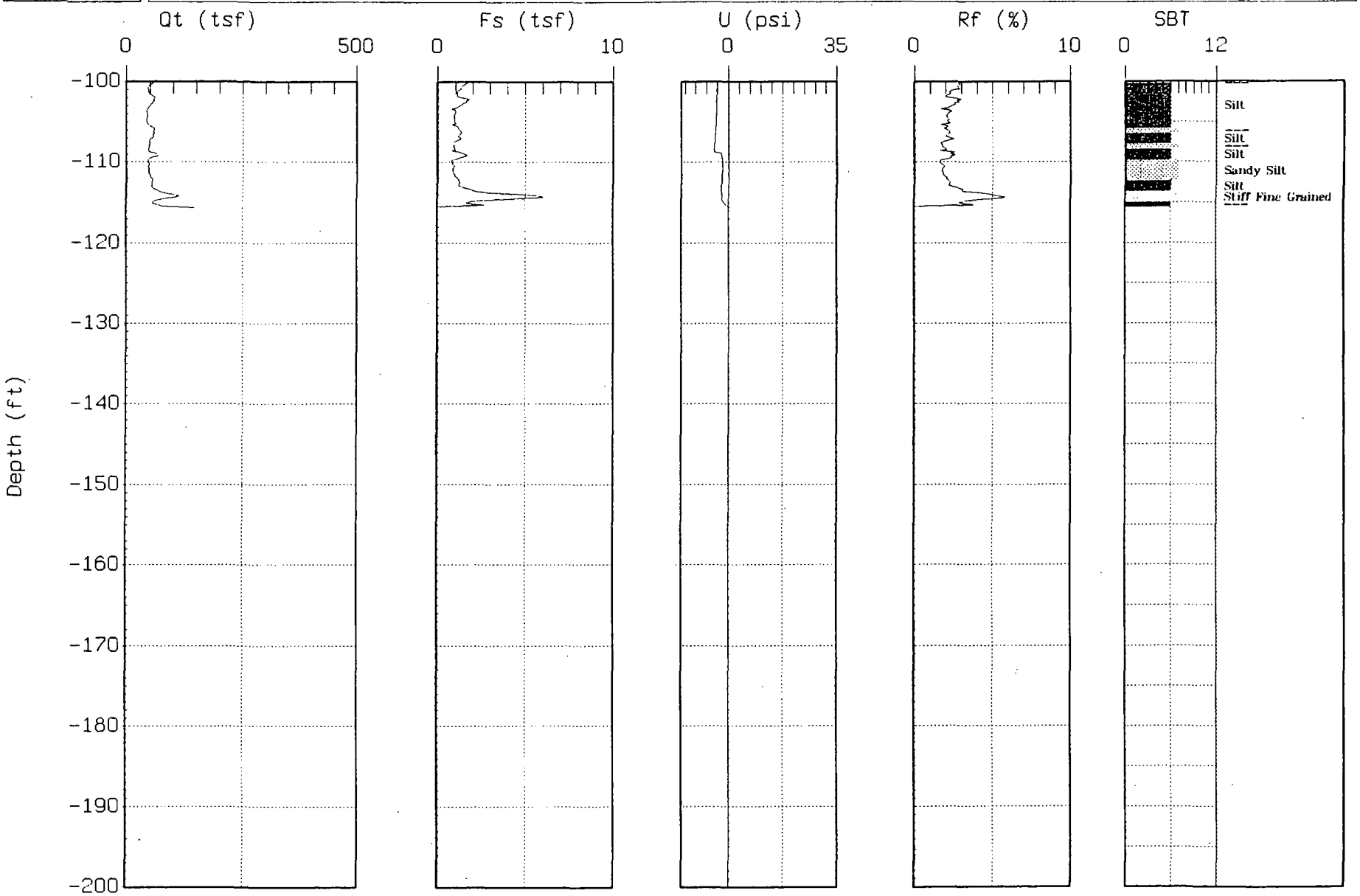
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-6

Geologist : GREG CRANHAM
Date : 07:15:96 07:46



Max. Depth: 115.65 (ft)

Depth Inc.: 0.164 (ft)

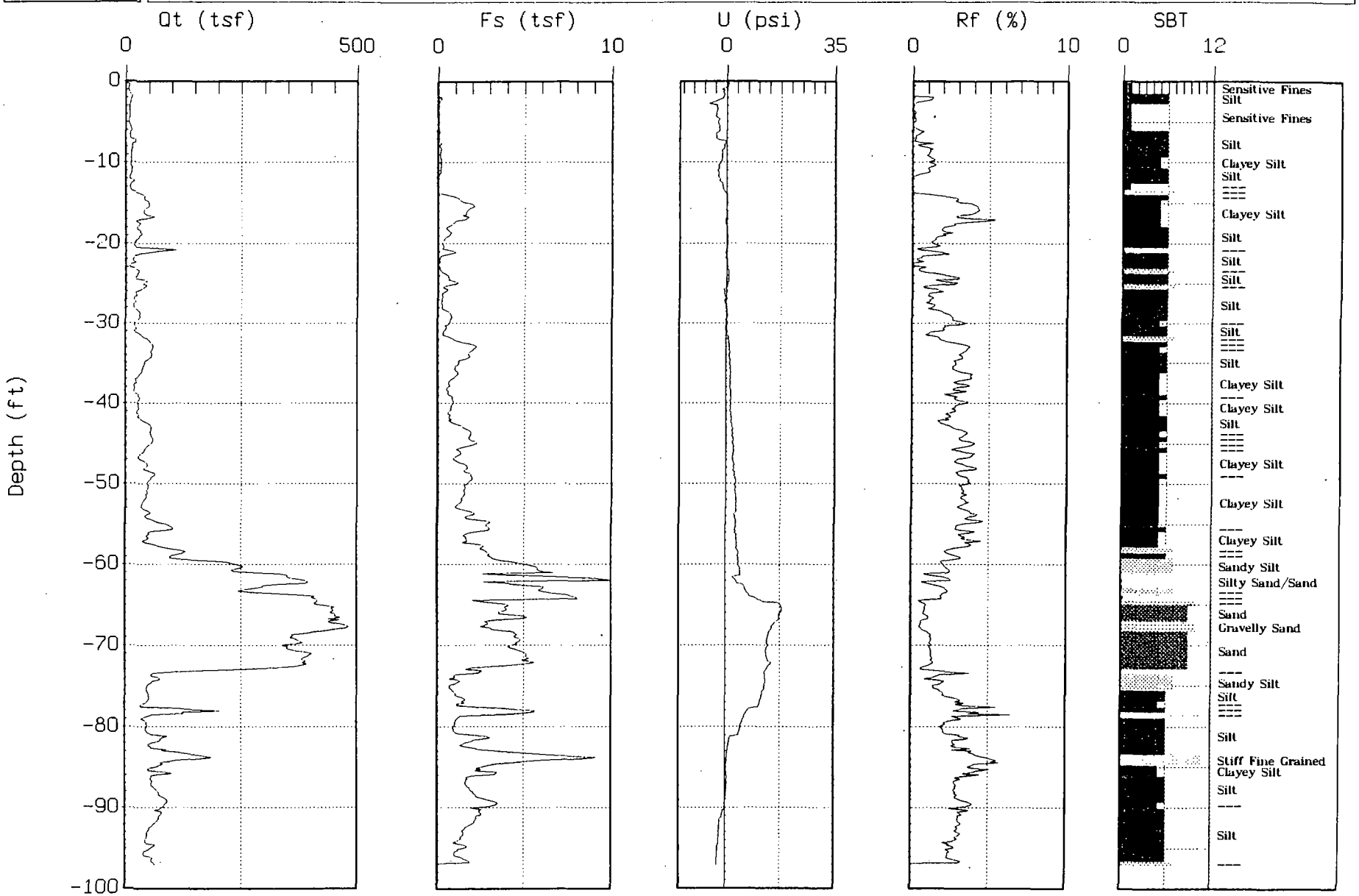
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICALS
Location : H-7

Geologist : G. CRANHAM
Date : 07:15:96 15:34



Max. Depth: 97.11 (ft)

Depth Inc.: 0.164 (ft)

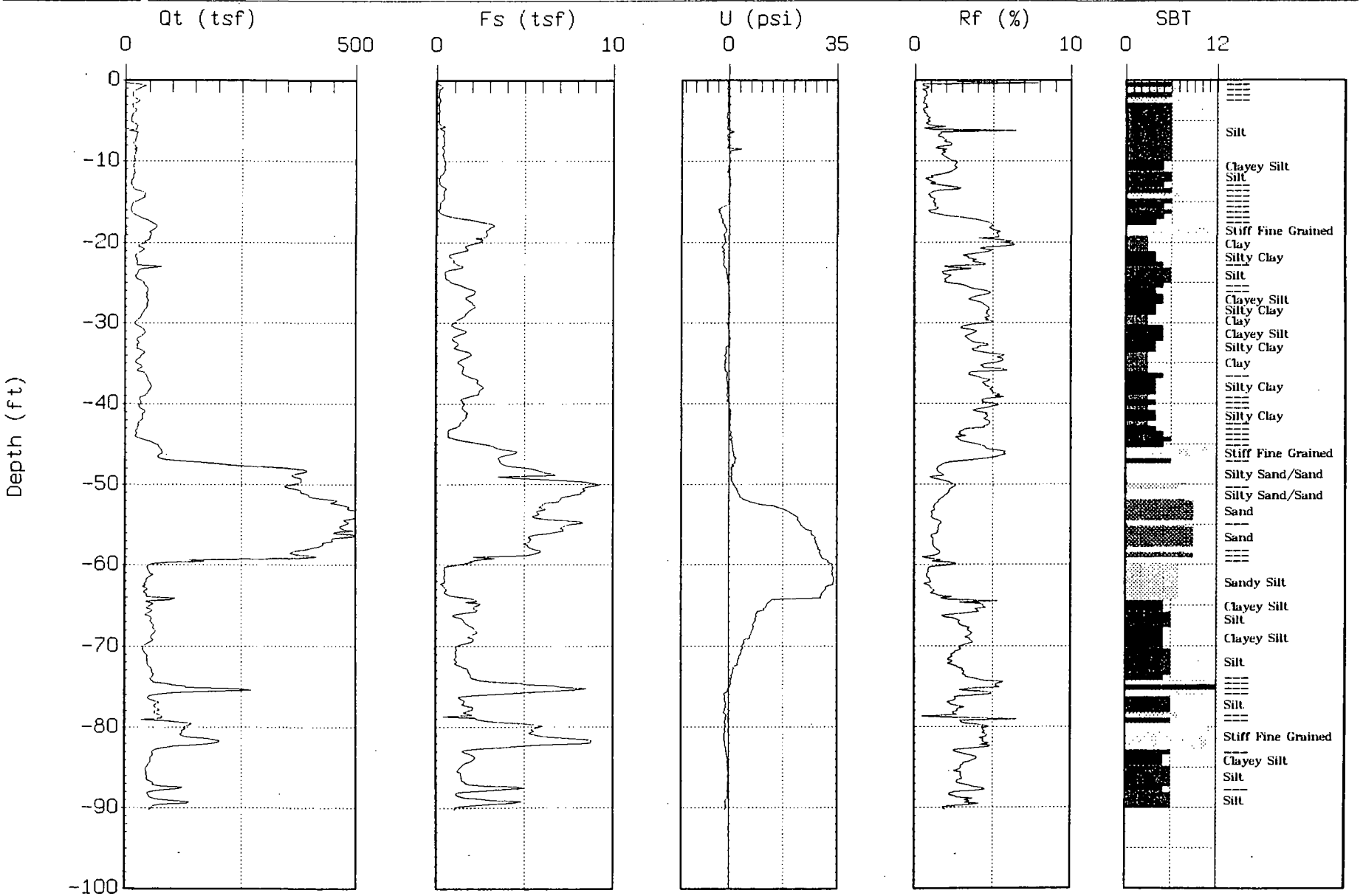
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-8

Geologist : GREG CRANHAM
Date : 07:16:96 08:45



Max. Depth: 90.22 (ft)

Depth Inc.: 0.164 (ft)

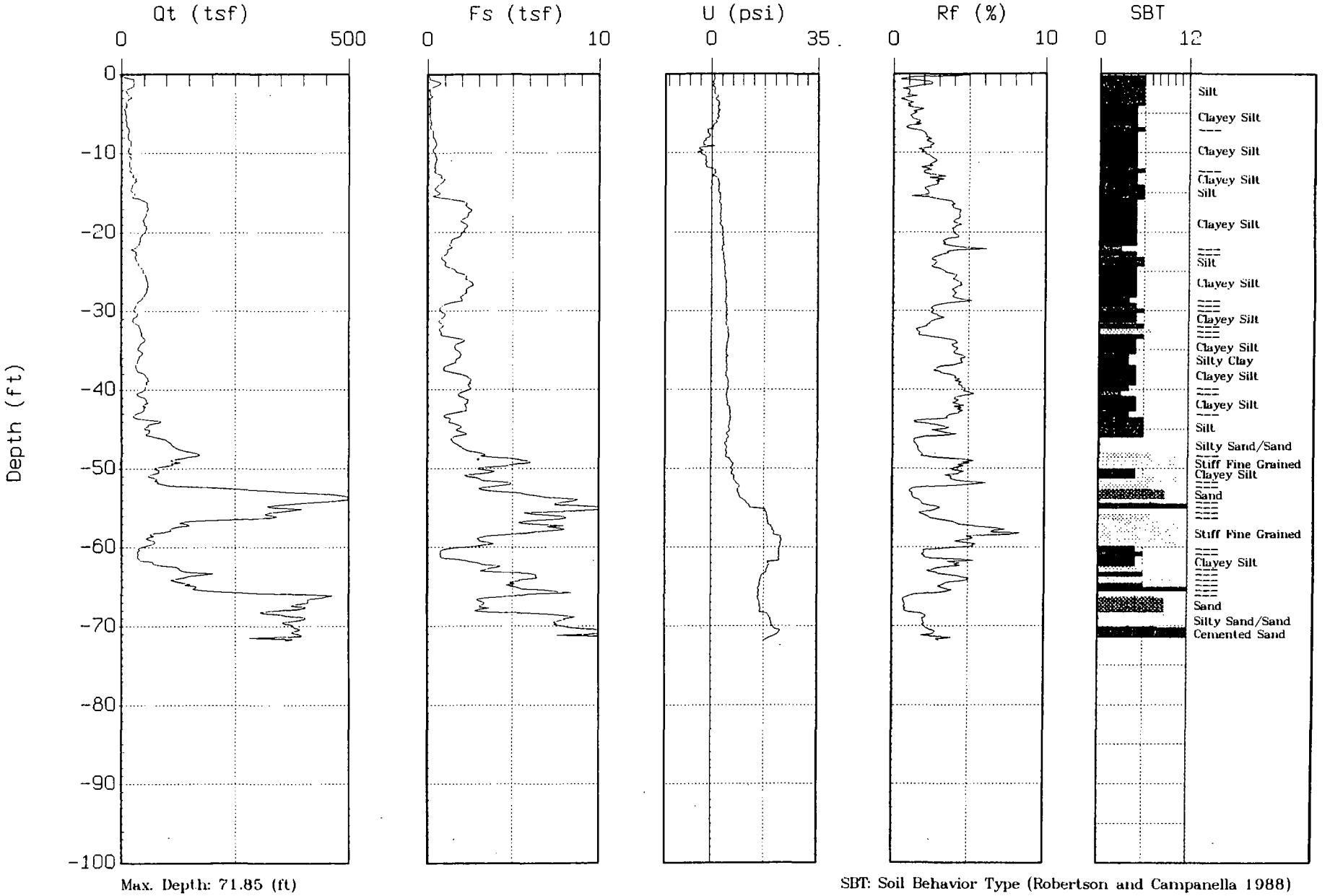
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-9

Geologist : GREG CRANHAM
Date : 07:16:96 12:05



Max. Depth: 71.85 (ft)

Depth Inc.: 0.164 (ft)

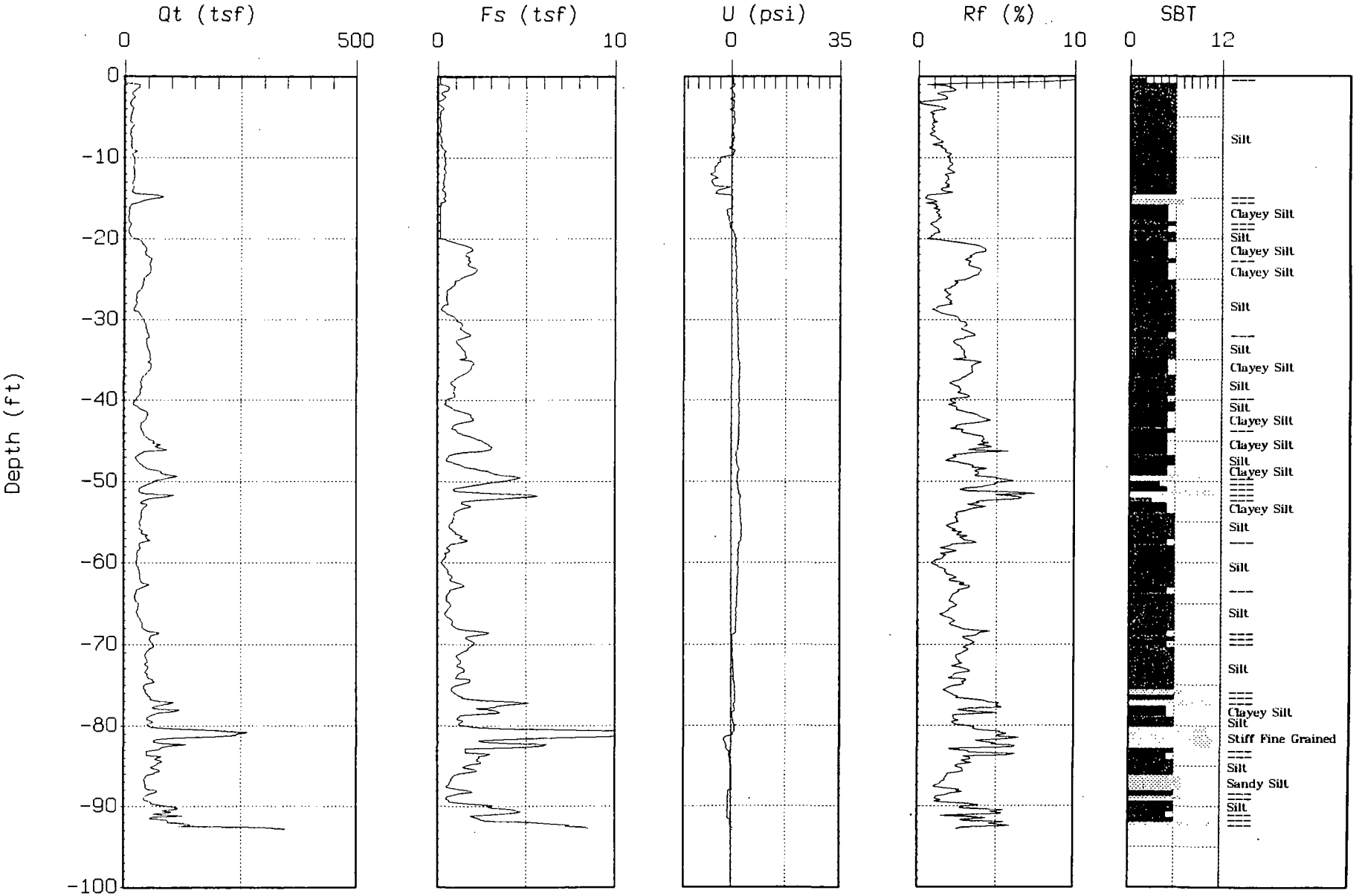
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-10

Geologist : GREG CRANHAM
Date : 07:16:96 14:22



Max. Depth: 92.85 (ft)

Depth Inc.: 0.164 (ft)

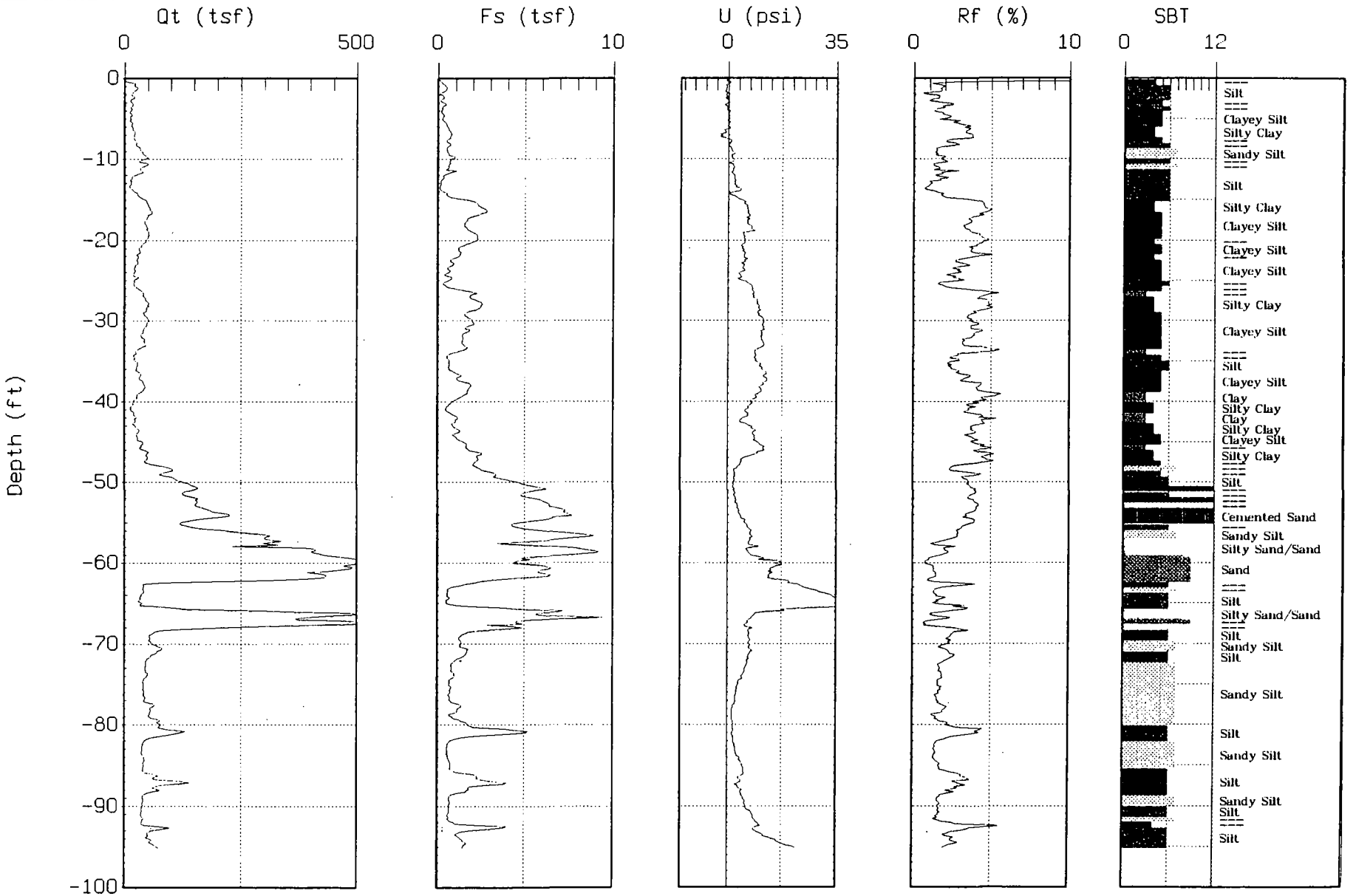
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-11

Geologist : GREG CRANHAM
Date : 07:17:96 07:35



Max. Depth: 95.14 (ft)

Depth Inc.: 0.164 (ft)

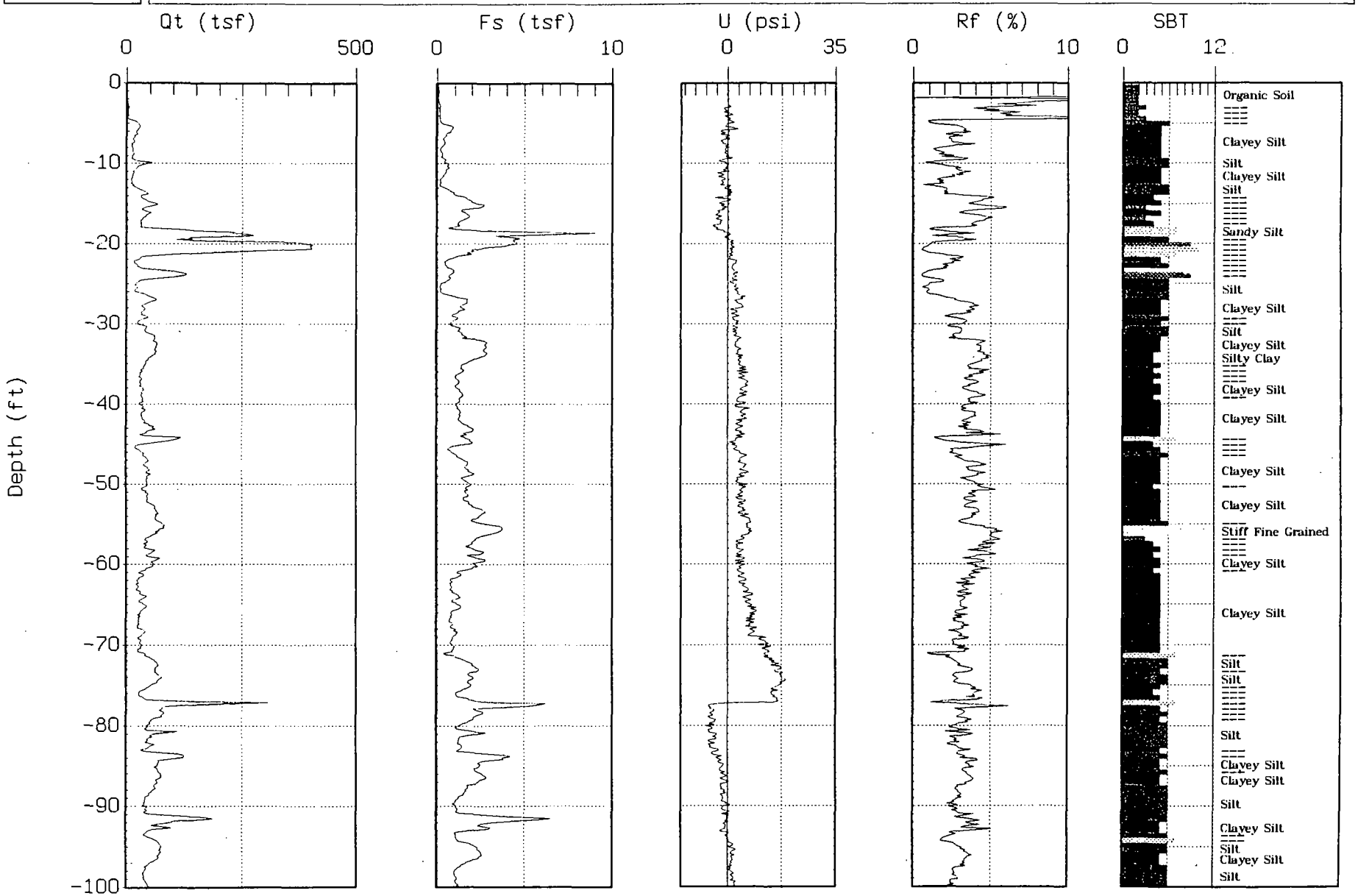
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-12B

Geologist : GREG CRANHAM
Date : 07:19:96 13:45



Max. Depth: 122.37 (ft)

Depth Inc.: 0.164 (ft)

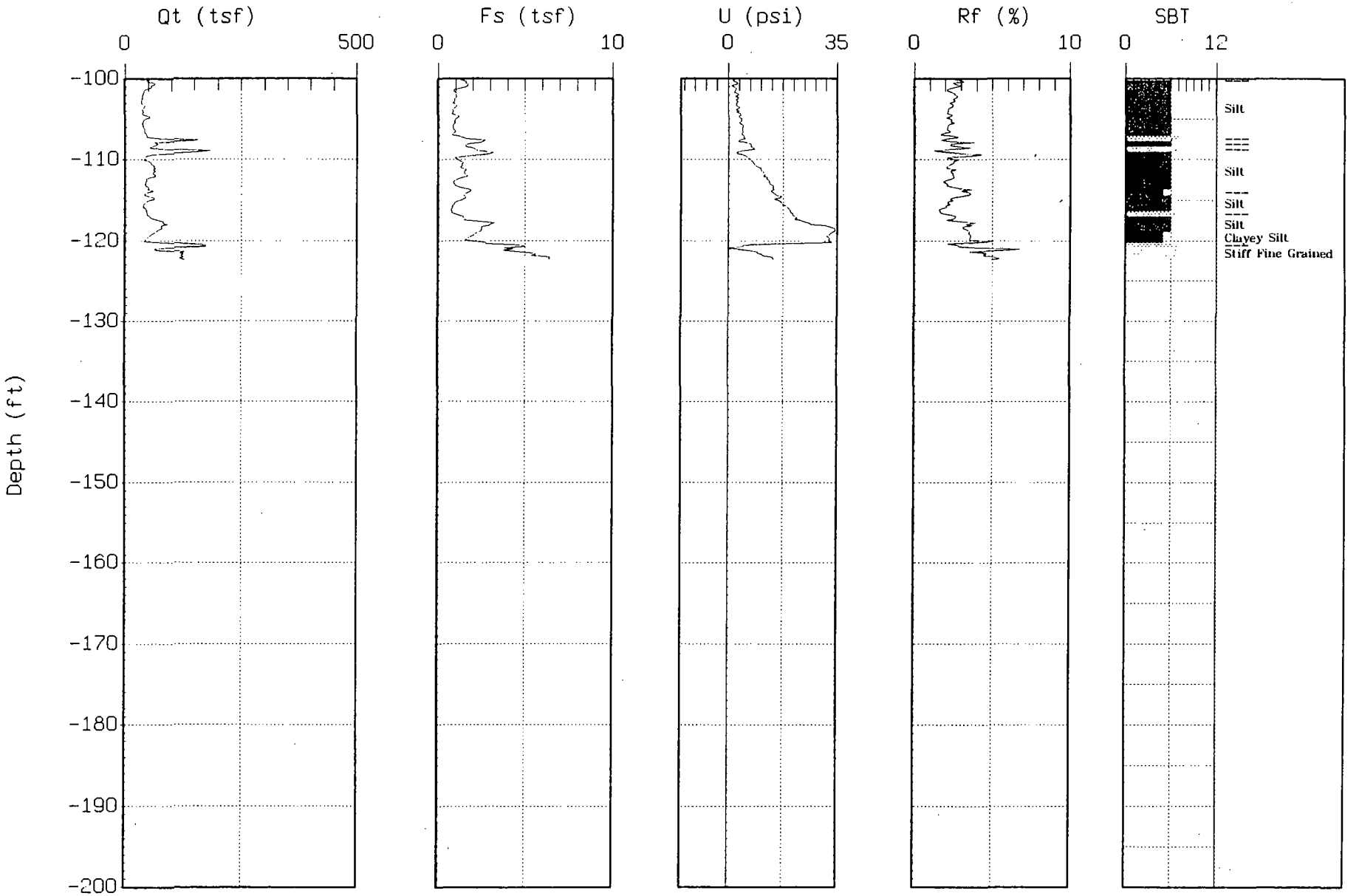
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-12B

Geologist : GREG CRANHAM
Date : 07:19:96 13:45



Max. Depth: 122.37 (ft)

Depth Inc.: 0.164 (ft)

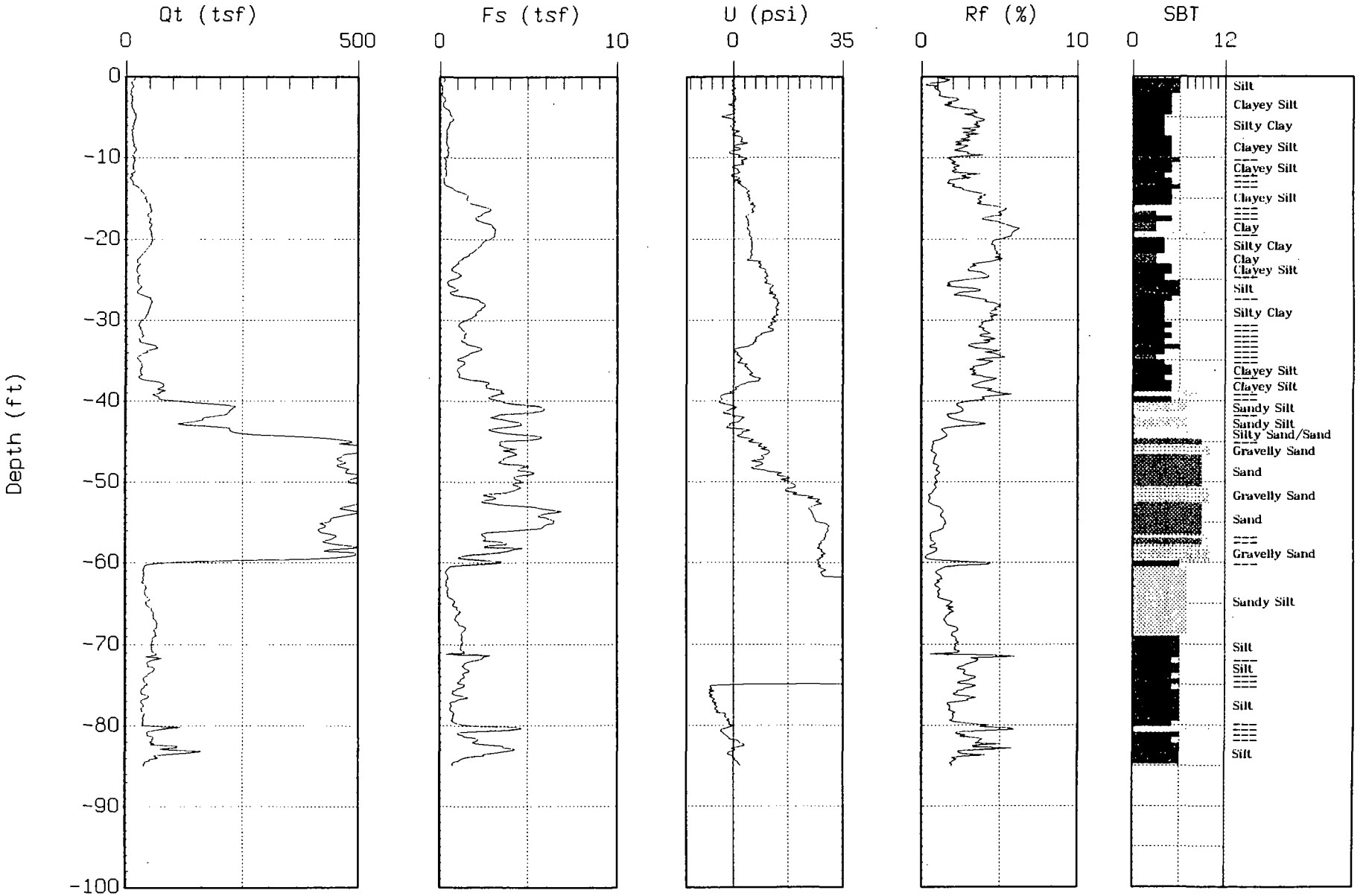
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

ENGLAND/HARGIS

Project : OMEGA CHEMICAL
Location : H-13

Geologist : GREG CRANHAM
Date : 07:19:96 08:28



Max. Depth: 84.97 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

APPENDIX F

Manifests for Loading Dock Sump Materials and Stormwater

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

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

Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD042245001 — Manifest Document No.: 15549
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: OMEGA CHEMICAL SITE PRP GROUP, 12504 WHITTIER BLVD, WHITTIER CA 90502
4. Generator's Phone (310) 503-4827

A. State Manifest Document Number: 00915549
B. State Generator's ID: HAHQ360546[illegible]
C. State Transporter's ID:
D. Transporter's Phone: 310[illegible]
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: 409-73[illegible]

5. Transporter 1 Company Name: ALLWASTE TRANSPORTATION & REM
6. US EPA ID Number: CAD 980584510
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: CHEMICAL WASTE MANAGEMENT, HIGHWAY 73 - 1/2 MILES W OF TAYLORS BAYOU, PORT ARTHER TEXAS 77640
10. US EPA ID Number: TXD000838896

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[illegible]
	a. RQ HAZARDOUS WASTE SOLID, N.O.S. (F002), 9, NA 3077 PG III	011	CY	20,000	P	
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: a soil with Halogenated Hydrocarbon — Prof # BV1849
K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information: ER Guide 31 USE GLOVES & GOGGLES — EMERGENCY PHONE # 3105951000 E. McGLOTHLIN — CD Required — Order # 322213

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Agent for PRP Group

Printed/Typed Name: EK McGLOTHLIN — Signature: [signature] — Month 09 Day 11 Year 96

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: ROBERT CASARES — Signature: [signature] — Month 09 Day 11 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: — Signature: — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

TNRCC-0311 (Rev. 07/13/94)

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

96200988

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD042245001 — Manifest Document No.: 00988
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
OMEGA CHEMICAL SITE PRP GROUP
12504 WHITTIER BLVD.
WHITTIER, CA 90502

4. Generator's Phone (310) 503-4827

A. State Manifest Document Number: [illegible]
B. State Generator's ID: HAHQ360546[illegible]
C. State Transporter's ID:
D. Transporter's Phone: [illegible]
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: [illegible]

5. Transporter 1 Company Name: O.C. VACUUM
6. US EPA ID Number: CAT080032253

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
1704 WEST FIRST ST.
AZUSA, CA 91702

10. US EPA ID Number: CAD008302903

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ, HAZARDOUS WASTE LIQUID N.O.S. (F002), 9, NA~~3077~~ 3082 EKM, PG III	001	TT	00250	G
b.				
c.				
d.				

[illegible]

15. Special Handling Instructions and Additional Information
WEAR PROPER P.P.E. WHEN HANDLING MATERIAL
EMERGENCY CONTACT PHONE # 310/595-1000
ED MCGLOTHLIN

ERGuide #31

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: EK McGLOTHLIN — Signature: EK McGlothlin — Month 09 Day 11 Year 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Phillip Gallegos — Signature: [signature] — Month 09 Day 11 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: — Signature: — Month Day

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

Yellow: GENERATOR RETAINS

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
. . . . .	6.1.6.6.0		8/6/96

GENERATOR

3. Generator's Name and Mailing Address
OMEGA CHEMICAL C/O ENGLAND & ASSOC.
15375 BARRANCA PKWY., STE F106
IRVINE, CA 92718
4. Generator's Phone (714) 453-8085

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
ISLAND ENVIRONMENTAL SERVICES	C.A.D.9.8.1.3.7.6.2.1.3	(818) 855-1200
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
	. . . . .	

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
DEMENNO/KERDOON 2000 N. ALAMEDA ST. COMPTON, CA 90222	C.A.T.0.8.0.0.1.3.3.5.2	(310) 537-7100

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS WASTE, LIQUID	0.0.1	T.T	02200	G
b.	. .	.	. . . .	
c.	. .	.	. . . .	
d.	. .	.	. . . .	

Additional Descriptions for Materials Listed Above
11a) NON-HAZARDOUS STORM WATER 100% APPROVAL #138788

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE GEAR. 24 HR PHONE (818) 855-1200
ERG 11 a) NONE JOBSITE: OMEGA CHEMICAL, 12504 E. WHITTIER,
BILL: ISLAND ENVIRONMENTAL CLIENT: ENGLAND WHITTIER, CA

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
BOB DADEAR	Bob D. Authorized Agent Per England & Assoc.	08	09	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
A. L. VICK		08	09	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		. .	. .	. .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		. .	. .	. .

GENERATOR'S COPY

MJH

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981215976 | Manifest Document No. 61660 | 2. Page 1 of 1 | 8/6/96

Generator's Name and Mailing Address
OMEGA CHEMICAL C/O ENGLAND & ASSOC.
15375 BARRANCA PKWY., STE F106
IRVINE, CA 92718
4. Generator's Phone (714) 453-8085

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
ISLAND ENVIRONMENTAL SERVICES	CAD981376213	(818)855-1200
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
DEMENNO/KERDOON 2000 N. ALAMEDA ST. COMPTON, CA 90222	CAT080013352	(310)537-7100

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS WASTE, LIQUID	001	TT	02200	G
b.				
c.				
d.				

RECEIVED
AUG 23 1996
ENGLAND & ASSOCIATES

GENERATOR

. Additional Descriptions for Materials Listed Above
11a) NON-HAZARDOUS STORM WATER 100% APPROVAL #130780

E. Handling Codes for Wastes Listed Above
R01

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE GEAR. 24 HR PHONE (818) 855-1200
ERG 11 a) NONE JOBSITE: OMEGA CHEMICAL, 12504 E. WHITTIER,
BILL: ISLAND ENVIRONMENTAL CLIENT: ENGLAND WHITTIER, CA

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month Day Year
BOB DADEAR	Bob [signature] Authorized Agent Per England & Assoc.	08 09 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
A. L. Vick	[signature]	08 09 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space
Quantity discrepancy greater than 10% variation reconciled with generator/transporter on 8/19/96 with Janna of Island received 1744 gals.

0. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
DAN MOODY	Dan Moody	08 09 96

ORIGINAL - RETURN TO GENERATOR

BAKER TANKS

19618 SO. SUSANA ROAD • RANCHO DOMINGUEZ, CALIFORNIA 90221
TOLL FREE — 1-800-635-7349

RENTAL AGREEMENT
B149352

OFFICE USE ONLY

CUST. NO. 707-2
BRANCH 01

RENTED TO HARGIS & ASSOC.
2223 AVENIDA DE PLAZA
LA JOLLA, CA. 92037

YOUR ORDER NO. 445.2
DATE 8/9/96
FIELD WHITTIER, CA.
WELL NO. 12504 WHITTIER BLVD
LEASE NAME JOB SITE

MOVE OUR 1×6500 CAL. ~~BBL~~. MOBILE TANKS(S)

- ☐ OPEN TOP NO.(S) _____
- ☐ CLOSED TOP NO.(S) _____
- ☐ DECK NO.(S) _____
- ☐ COILS NO.(S) _____
- ☐ FLOAT GAGE NO.(S) _____
- ☐ CAMLOCK NO.(S) _____
- ☑ SPECIAL TANK(S)/ACCESSORIES P7365 TYPE POLY

- ☐ TO ABOVE WELL OR LOCATION, START RENT DATE _____
- ☐ TRANSFER FROM _____ TO ABOVE LOCATION
- ☑ TO BAKER YARD, STOP RENT DATE 8-9-96

1. TANK NEEDS CLEANING ☐ YES ☑ NO
   IF YES, HOW MUCH FLUID _____ DESCRIPTION _____
2. DAMAGE OR MISSING EQUIPMENT OF TANK(S) ☐ YES ☑ NO
   DESCRIBE: _____

EQUIPMENT NO. 79-5 START _____ STOP _____ NET TIME _____

I HAVE INSTALLED GUARD RAILS & LADDER IN SAFE CONDITION & P.V. VALVE WHEN APPLICABLE.

OPERATOR: Doug Pacini

Lessee agrees to rent the Baker Portable Tank(s) described in this Rental Agreement under the terms and conditions set forth on the face and on the reverse side hereof, for a term beginning on the date hereof and ending on written or oral notice of termination given by either party to the other.

Lessee will not store or inject any form of acid or acid solution or other corrosive materials (hereinafter collectively referred to as "corrosive materials") in any Baker Tank(s) without first obtaining the prior written consent of Baker Tanks, Inc. ("Baker") which consent may or may not be given by Baker management.

Some tanks are equipped with pressure/vacuum relief devices. Lessee agrees not to tamper with or adjust such a device without prior written consent of Baker management.

Lessee has inspected the tank(s) rented pursuant to this Rental Agreement after their installation by Baker Tanks, Inc., acknowledges that the tank(s) are in good condition and that the installation is accepted by Lessee.

BY BOB DADFAR TITLE Engineer FOR England & Assoc. Hargis
COMPANY NAME

EPA # CAD981376213
STATE ID # 1045
CA 627
DOT 465272

ISLAND ENVIRONMENTAL SERVICES, INC.

Waste Management & Transportation

TRANSPORTATION RECEIPT
WORK ORDER

961660

Established 19

13912 "A" VALLEY • CITY OF INDUSTRY, CA 91746 • (800) 400-4347 • (818) 855-1200 • FAX (818) 333-4141

Contact: MIKE HIGUCHI
Job Site: OMEGA CHEMICAL
Address: 12504 E. WHITTIER BLVD.
WHITTIER, CA
Cross Street: WASHINGTON
Phone: (714)453-8085
Hours:
EPA ID #:
PO #: 399A6000
Salesman: 06
Referred By:

Bill To: ENGLAND & ASSOCIATES
15375 BARRANCA PARKWAY
SUITE F106
IRVINE, CA 92718
Waste Codes: 32

Customer #: ENGL10
Order Date: 8/6/96
Driver: Vice Unit #: #03
Appointment Date: 8/9/96 Time: 10:00

Facility: DEMENNO/KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222
EPA ID #: CAT080013352
Phone: (310)537-7100
Manifest #: 61660
Disposal Ticket #:
Special Instructions: PUMP TANK OF STORM WATER. ENGLAND WILL HOSE OUT, THEN PUMP THAT WATER TOO.
CONTACT: BOB DADFAR 714-733-5793

Bob D[illegible]
Customer Signature

[illegible] 9 AUG 96
Driver Signature (Job Site) Date

BOB DADFAR Authorized Agent Per England & Assoc. 8/9/96
Print Name Date

Driver Signature (Off-Load) Date

PRODUCT SHIPPED

DESCRIPTION	QUANTITY GALLONS/DRUMS	DOLLAR AMOUNT
☐ Oil and Water, Non-RCRA Hazardous Waste, Liquid ☐ Lubricating ☐ Industrial		
☐ Chlor Test ☐ Pos ☐ Neg		
☐ Bulk Liquid - Hazardous Waste		
☑ Bulk Liquid - Non-Hazardous Waste	APPROX 2200	
☐ Drums - Hazardous Waste		
☐ Drums - Non-Hazardous Waste		
☐ Empty Drum Disposal		
☐ Empty Drum Supplied		
☐ Used Oil Filters		
☐ PVC Stinger		
☐ 1/4" Tubing		
☐ Other		

On Site Start Time: 0945 On Site Stop Time: 11:40

Thank you for your business

NOTE: THIS IS A MODIFIED MANIFEST FOR THE DISPOSAL OF YOUR WASTE

CUSTOMER