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103.0096
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SOIL GAS ANALYSIS
OF
CROWN CITY PLATING SITE
IN
EL MONTE, CALIFORNIA

RECEIVED
95 AUG -7 PM 1:43
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Submitted to

Holguin, Fahan & Associates, Inc.
143 South Figueroa Street
Ventura, California 93001

Submitted by

Hydro Geo Chem, Inc.
5932 Bolsa Avenue, Unit 103
Huntington Beach, California 90606

April 18, 1995

HYDRO GEO CHEM, INC.

Science & Technology

HYDRO GEO CHEM, INC.
SOIL GAS DOCUMENT REVIEW SHEET

Project Code: L1154

Project Name: HFA, El Monte, California

Title: Soil Gas Analysis at Crown City Plating Site, in El Monte, California

Date: April 03, 1995

Report Prepared By: _____ Date: 4-18-95
David Q. Feng, Chemist
Hydro Geo Chem, Inc.

Analytical Results Reviewed By: _____ Date: 4-18-95
Chemist
Hydro Geo Chem, Inc.

HGC Approval: _____ Date: 4/18/95
Harold W. Bentley, PhD
President, Hydro Geo Chem, Inc.

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INTRODUCTION

This report presents the analytical methods and results of a soil gas samples collected by Holguin, Fahan & Associates, Inc. and analyzed on-site by Hydro Geo Chem on April 03, 1995.

SCOPE OF WORK

Nine (9) soil gas samples were received from HFA personal. All soil gas samples were analyzed for the following volatile organic compounds (VOCs).

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

The list of compounds was selected according to guidelines distributed by the California Regional Water Quality Control Board, Los Angeles Region.

METHODS AND INSTRUMENTATION

Gas chromatographic techniques were used to identify and measure concentrations of the various compounds. Soil gas samples were injected into a stainless steel loop/valve system connected to a pair of megabore capillary columns in parallel. One column, the J&W DB-624, is connected to a serially-joined photoionization (PID) and Hall conductivity detector pair for quantitative identification of compounds. The second column, a J&W Scientific DB-1, leads to a flame ionization detector (FID) and is used for secondary confirmation of compounds. The DB-1 column is selected for confirmation because its different polarity results in a chromatogram that is different from that of DB-624/Hall/PID combination, thus providing a confirmatory check of compounds found in the first column. When first introduced to the gas chromatograph the sample flow is split, half going to the column leading to Hall/PID pair and the other half going to the column leading to FID.

Gaseous standards are used for identification and quantitative measurement of target compounds. The calibration standard is prepared in Hydro Geo Chem's analytical laboratory. Neat reagent-grade compounds are used for preparation of stock liquid standards. The stock standard liquid mixture is prepared by adding approximately the same mass of each compound of interest to a 40 ml septum-sealed vial. The actual mass added is determined by weighing the vial with an analytical balance after adding each compound. An aliquot of the final mixture is weighed to

determine the density (weight/volume) of the mixture. For preparation of the calibration gas standard, a measured volume of the stock standard mixture is injected through a septum into a six(6) liter passivated stainless-steel Summa canister while the canister is being filled with ultrahigh purity (UHP) nitrogen. Measured volumes of pure gaseous Freon 11, chloroethane, and vinyl chloride are also injected into the canister. The pressure of canister is brought up to 30±0.3 psi by filling it with UHP nitrogen. A measured volume of the resulting gas mixture is then injected into the appropriate size sample loop. Both initial calibration and calibration check standards are similarly prepared.

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

Varian 3400 Gas Chromatograph
Hydro Geo Chem AutoVOC™ Automated Gas Injection System
Tracor 800 Hall Detector
Tracor 703 PID Detector
Varian Flame Ionization (FID) Detector
J&W Scientific DB-624, 30m Megabore Column
J&W Scientific DB-1, 30m Megabore Column
Tremetrics LabQuest PC-Based Data System

QUALITY ASSURANCE/QUALITY CONTROL

Quality control and quality assurance include chain of custody procedures to guarantee proper treatment and transportation of samples; and the analisis of system blank and trip blank samples to demonstrate absence of interferences. All parts of the sample collection system that come in contact with a sample were cleaned and, before their use, field blank samples were collected and analyzed to verify absence of contamination.

A three-point or four-point calibration curve was generated for each target compound at the initiation of the soil gas survey. The percent relative standard deviation (%RSD) was below 30% for each target compound.

Cis-1,3-dichloropropene and 1-chloro-3-fluorobenzene were used as surrogates to monitor the performance of the analytical system. The surrogate standard was prepared in the same manner as the calibration standard. For each sample analysis, the same amount of surrogate standard was introduced into a separate precision-volume sample loop and injected to the columns with the sample. Response factors for this unit amount of surrogates were determined during the initial calibration. For each subsequent sample analyzed the amount of surrogate detected was determined by the GC data system. Surrogate analysis results are reported as percent recovery for both surrogate compounds. Control limits for the surrogate recovery are 100±20 percent. Thus each analysis includes checks of the retention time and response of each detector.

Duplicates from at least 10% of the sample locations were analyzed as a measure of precision.

Detection limits were 1.0 micrograms per liter (μg/l) for all compounds analyzed. Results of analyses are reported to two significant figures.

RESULTS

Table 1 presents the measured soil gas concentrations from each sampling location. Concentrations are reported in micrograms per liter (µg/l) of soil gas.

Conversion of soil gas concentrations from µg/l (gas) to ppmV can be achieved by the following equation.

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

Where;

C_{ppmV}	is soil gas concentration in ppmV
$C_{\mu g/l}$	is soil gas concentration in µg/l (gas)
R	is gas constant, 0.08205 L-Atm/deg-mole
T	is temperature in °K
M_W	is molecular weight in grams/mole
P	is pressure in atmospheres

If one assumes that a volatile organic compound has a molecular weight of 100 grams/mole, a typical value, C_{ppmV} would be approximately 0.25 $C_{\mu g/l}$.

Table 2 presents the initial calibration results. Other quality control data, including blank samples analysis, duplicate sample analyses, and percentage surrogate recoveries, are presented together with all sample analysis results in Table 1.

Table 2. Soil Gas Initial Calibration Report of April 03, 1995.

Date Calibrated: April 03, 1995
Analyst: David Feng
Standard: CAL9502
Standard Prepared By: D. Q. Feng
Date Standard Prepared: March 10, 1995

				LEVEL 1			LEVEL 2			LEVEL 3			LEVEL 4					
Compound Na	*Detector*	*RT (min)*	*Std Conc. (ug/mL)*	Mass(ug)	Area	RF	Mass(ug)	Area	RF	Mass(ug)	Area	RF	Mass(ug)	Area	RF	Aver. RF	Std. Div.	%RSD
FR12	ELCD	1.22	0.513	0.0051	21957	2.34E-07	0.026	78755	3.26E-07	0.103	406902	2.52E-07	0.513	2760807	1.86E-07	2.49E-07	5.81E-08	23
VC	ELCD	1.63	0.531	0.0053	19737	2.69E-07	0.027	74942	3.54E-07	0.106	454231	2.34E-07	0.531	3477720	1.53E-07	2.18E-07	5.96E-08	27
CLET	ELCD	2.23	0.547	0.0055	20016	2.73E-07	0.027	69697	3.93E-07	0.109	396938	2.76E-07	0.547	2494589	2.19E-07	2.90E-07	7.30E-08	25
FR11	ELCD	2.57	0.520	0.0052	25082	2.07E-07	0.026	95701	2.71E-07	0.104	554339	1.87E-07	0.520	4069767	1.28E-07	1.98E-07	5.93E-08	30
DCE11+FR113	ELCD	3.21	0.993	0.0099	43352	2.29E-07	0.050	153873	3.23E-07	0.199	863711	2.30E-07	0.993	5894289	1.68E-07	2.09E-07	3.52E-08	17
DCM	ELCD	3.82	0.485	0.0049	33112	1.46E-07	0.024	96439	2.51E-07	0.097	576298	1.68E-07	0.485	3850159	1.26E-07	1.47E-07	2.12E-08	14
DCE12T	ELCD	4.13	0.477	0.0048	33702	1.42E-07	0.024	89419	2.67E-07	0.095	553428	1.72E-07	0.477	3857656	1.24E-07	1.46E-07	2.47E-08	17
DCA11	ELCD	4.62	0.478	0.0048	28014	1.71E-07	0.024	97594	2.45E-07	0.096	576125	1.66E-07	0.478	4421729	1.08E-07	1.48E-07	3.48E-08	23
DCE12C	ELCD	5.32	0.495	0.0049	35478	1.39E-07	0.025	93285	2.65E-07	0.099	560327	1.77E-07	0.495	3902604	1.27E-07	1.48E-07	2.59E-08	18
CLFM	ELCD	5.77	0.504	0.0050	38043	1.32E-07	0.025	118355	2.13E-07	0.101	662925	1.52E-07	0.504	4551069	1.11E-07	1.32E-07	2.06E-08	16
TCA111	ELCD	5.94	0.482	0.0048	33451	1.44E-07	0.024	123625	1.95E-07	0.096	733413	1.31E-07	0.482	5110685	9.42E-08	1.23E-07	2.58E-08	21
CBTC	ELCD	6.17	0.486	0.0049	38798	1.25E-07	0.024	138427	1.76E-07	0.097	827237	1.18E-07	0.486	5827557	8.34E-08	1.09E-07	2.23E-08	20
DCA12	ELCD	6.60	0.541	0.0054	41311	1.31E-07	0.027	100658	2.69E-07	0.108	598146	1.81E-07	0.541	4347060	1.24E-07	1.45E-07	3.09E-08	21
TCE	ELCD	7.78	0.509	0.0051	48509	1.05E-07	0.025	144675	1.76E-07	0.102	903836	1.13E-07	0.509	6258282	8.13E-08	9.96E-08	1.63E-08	16
TCA112	ELCD	11.12	0.514	0.0051	30008	1.71E-07	0.026	85128	3.02E-07	0.103	476113	2.16E-07	0.514	3515600	1.46E-07	1.78E-07	3.53E-08	20
PCE	ELCD	11.23	0.493	0.0049	70257	7.02E-08	0.025	169086	1.46E-07	0.099	912000	1.08E-07	0.493	5729438	8.61E-08	8.81E-08	1.91E-08	22
PCA1112	ELCD	12.77	0.494	0.0049	50633	9.75E-08	0.025	161565	1.53E-07	0.099	823841	1.20E-07	0.494	5323304	9.27E-08	1.03E-07	1.45E-08	14
PCA1122	ELCD	14.66	0.481	0.0048	61737	7.79E-08	0.024	124476	1.93E-07	0.096	483423	1.99E-07	0.481	4010895	1.20E-07	1.71E-07	4.41E-08	26
BNZ	PID	6.48	0.498	0.0050	767	6.50E-06	0.025	2876	8.66E-06	0.100	18457	5.40E-06	0.498	172153	2.89E-06	6.85E-06	1.66E-06	24
TOL	PID	10.30	0.504	0.0050	1344	3.75E-06	0.025	4274	5.90E-06	0.101	25014	4.03E-06	0.504	235969	2.14E-06	4.56E-06	1.17E-06	26
EB	PID	12.78	0.500	0.0050	1453	3.44E-06	0.025	4639	5.39E-06	0.100	26502	3.77E-06	0.500	255098	1.96E-06	4.20E-06	1.04E-06	25
XYLMP	PID	12.97	0.976	0.0098	3903	2.50E-06	0.049	11252	4.34E-06	0.195	65171	2.99E-06	0.976	619407	1.58E-06	3.28E-06	9.50E-07	29
XYLO	PID	13.53	0.506	0.0051	1419	3.57E-06	0.025	4429	5.71E-06	0.101	25036	4.04E-06	0.506	249633	2.03E-06	4.44E-06	1.13E-06	25

Data in shaded area were not included in the calibration.

Table 1. Summary of Analytical Results of Soil Gas Survey.

Client: HFA
Site: Crown City Plating
Location: El Monte, California
Project #: L1154

Sample I.D.:			CPT-01-10	CPT-01-20	CPT-01-30	CPT-01-40	CPT-01-50	CPT-01-60	CPT-02-10	CPT-02-20	CPT-02-30	CPT-02-30B	SB950403A
Time Sampled:													
Date Sampled:			03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95
Time Analyzed:			12:50	10:24	10:49	11:14	11:39	12:03	14:05	14:30	14:55	15:19	07:18
Date Analyzed:			03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95	03APR95
Volume Analyzed (ml):			1	1	1	1	1	1	1	1	1	1	1
Probe Depth (ft):			10	20	30	40	50	60	10	20	30	30	NA
Compound (ug/l)	Detector	RT (min)											
Freon 12	ELCD	1.22	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ELCD	1.56	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ELCD	2.23	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Freon 11	ELCD	2.54	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ELCD	3.16	<1	16	25	3.1	<1	11	<1	<1	<1	<1	<1
Freon 113	ELCD	3.14	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	ELCD	3.82	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ELCD	4.13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ELCD	4.57	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ELCD	5.23	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ELCD	5.77	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ELCD	5.86	2	29	43	3.6	1.5	13	<1	<1	<1	<1	<1
Carbon Tetrachloride	ELCD	6.13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ELCD	6.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ELCD	7.73	<1	3.1	3.7	4.1	3	16	<1	160	57	69	<1
1,1,2-Trichloroethane	ELCD	11.12	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ELCD	11.23	<1	6.8	12	15	8.2	80	<1	36	12	16	<1
1,1,1,2-Tetrachloroethane	ELCD	12.72	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ELCD	14.66	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	PID	6.48	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	PID	10.18	<1	<1	1.6	1.4	1.6	1.3	<1	<1	<1	<1	<1
Ethyl Benzene	PID	12.78	<1	<1	1.3	<1	1.2	<1	<1	<1	<1	<1	<1
m/p-Xylene	PID	12.97	<1	2.8	3.8	2.1	3.2	1.2	<1	<1	<1	<1	<1
o-Xylene	PID	13.54	<1	1.5	1.7	<1	2	<1	<1	<1	<1	<1	<1
% Recovery c-1,3-Dichloropropene	ELCD	9.78	106	111	103	104	98	98	97	104	107	104	NA
% Recovery 1-Chloro-3-fluorobenzene	ELCD	12.12	107	109	102	110	102	105	103	109	109	106	NA
% Recovery c-1,3-Dichloropropene	PID	9.74	102	99	94	95	92	92	96	100	101	99	NA
% Recovery 1-Chloro-3-fluorobenzene	PID	12.08	103	103	96	99	96	94	95	99	102	100	NA
% Recovery c-1,3-Dichloropropene	FID	5.97	98	95	86	94	93	89	101	100	98	100	NA
% Recovery 1-Chloro-3-fluorobenzene	FID	9.37	100	98	96	97	96	97	103	102	100	102	NA

APPENDIX A: CHROMATOGRAMS AND FIELD DATA SHEET

HYDRO GEO CHEM, INC.
Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-1-10
Time Sampled:
Date Sampled: 04/03/95

Probe Depth (ft): 10
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

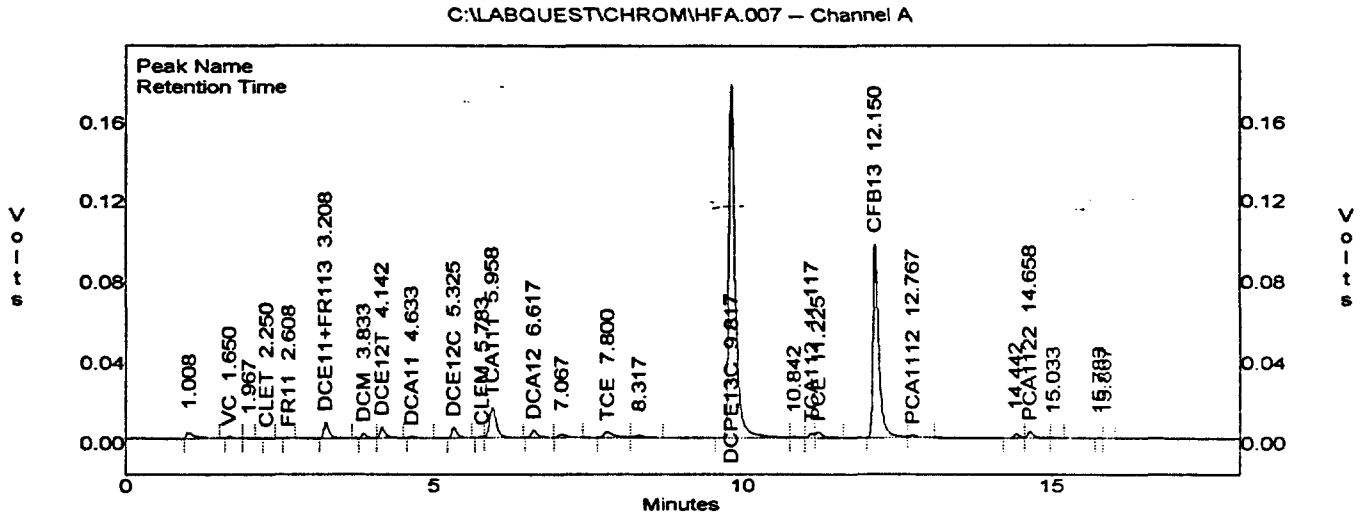
Analytical Summary

Chemist: ~~Steve Chan~~ DQF
Date/Time: 4/3/95 8:30

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0		<1	11DCE	1.0	4.1	<1
Vinyl Chloride	1.0			Benzene	1.0		
Chloroethane	1.0			Toluene	1.0		
Freon 11	1.0			Ethylbenzene	1.0		
Freon 113	1.0			m/p-Xylene	1.0		
Dichloromethane	1.0			o-Xylene	1.0		
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0		2.0				
Carbon Tetrachloride	1.0		<1	% Surr(DCPE13C)ELCD			106
12DCA	1.0			~~% Surr(DCPE13T)ELCD~~			
TCE	1.0			% Surr(CFB13)ELCD			107
112TCA	1.0			% Surr(DCPE13C)PID			102
PCE	1.0			~~% Surr(DCPE13T)PID~~			
1112PCA	1.0			% Surr(CFB13)PID			103
1122PCA	1.0						

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.007
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10A
Acquired : Apr 03, 1995 09:59:33
Printed : Apr 03, 1995 11:23:50
User : DQF



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		1.008	27088	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.650	4527	0.697	0
3		1.967	667	0.000	0
4	CLET	2.250	1640	0.362	0
5	FR11	2.608	800	0.103	0
6	DCE11+FR113	3.208	46190	7.845	0
7	DCM	3.833	12135	1.541	0
8	DCE12T	4.142	32316	4.033	0
9	DCA11	4.633	5107	0.557	0
10	DCE12C	5.325	33301	4.257	0
11	CLFM	5.783	3169	0.354	0
12	TCA111	5.958	118701	11.279	0
--	CBTC	6.167	0	0.000	0
13	DCA12	6.617	28624	3.595	0
14		7.067	16458	0.000	0
15	TCE	7.800	31880	2.615	0
16		8.317	12370	0.000	0
17	DCPE13C	9.817	1274150	1053.299	0
18		10.842	3675	0.000	0
19	TCA112	11.117	12444	1.835	0
20	PCE	11.225	21787	1.888	0
21	CFB13	12.150	629896	1060.291	0
22	PCA1112	12.767	10997	1.028	0
23		14.442	13196	0.000	0
24	PCA1122	14.658	23149	2.802	0
25		15.033	1447	0.000	0
26		15.783	746	0.000	0
27		15.867	829	0.000	0

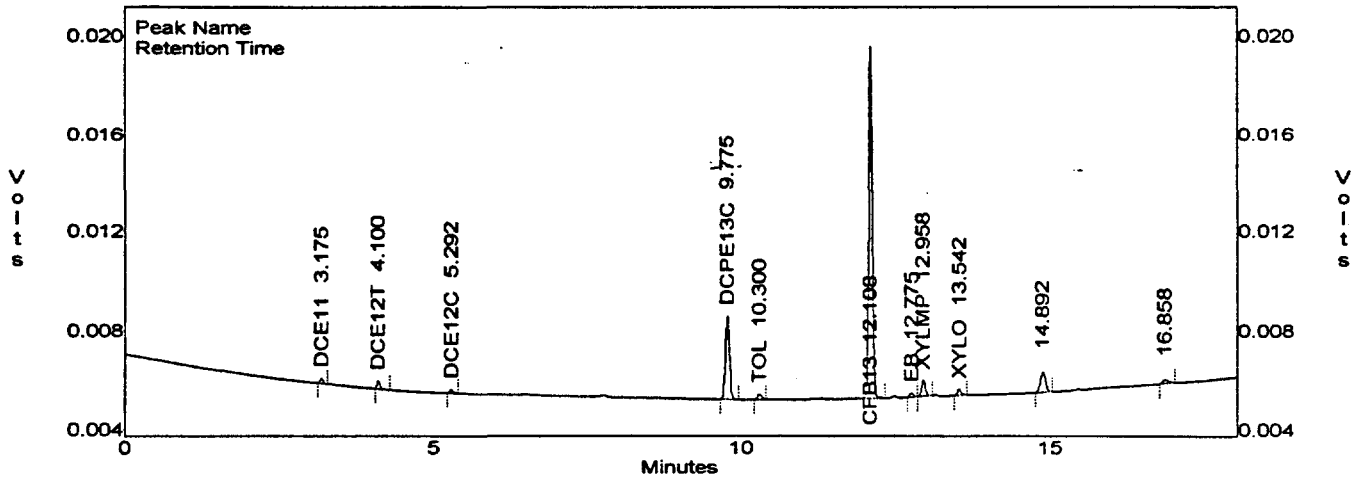
No FR113

Totals :

	2367298	2158.381

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.007
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10A
Acquired : Apr 03, 1995 09:59:33
Printed : Apr 03, 1995 11:23:51
User : DQF

C:\LABQUEST\CHROM\HFA.007 – Channel B



Channel B Results

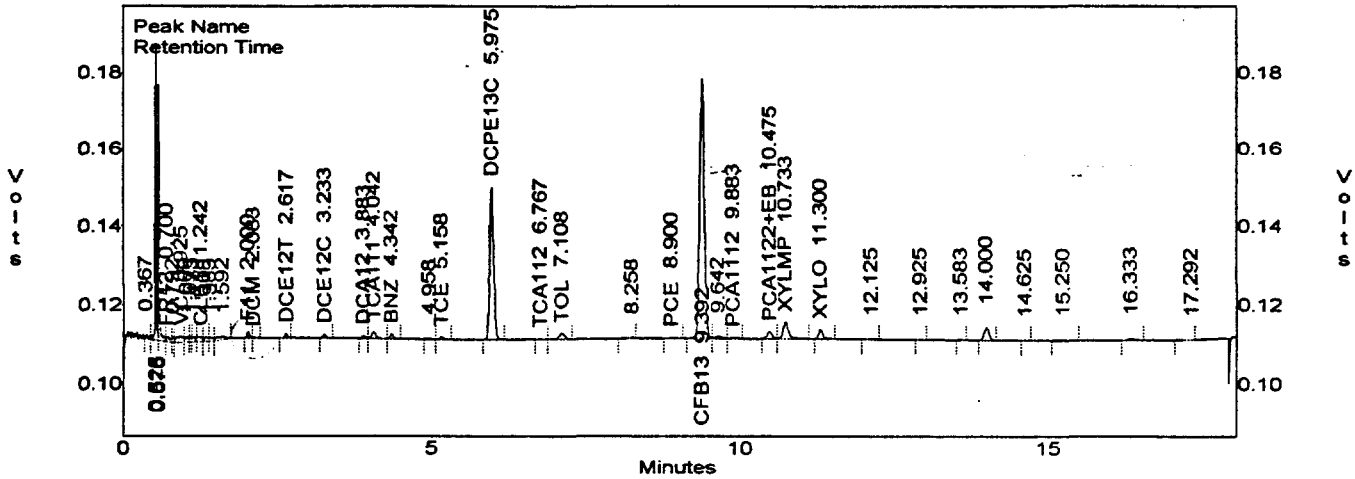
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.175	715	4.140	0
2	DCE12T	4.100	1146	2.619	0
3	DCE12C	5.292	570	2.572	0
--	BNZ	6.475	0	0.000	0
--	TCE	7.742	0	0.000	0
4	DCPE13C	9.775	15677	1021.936	0
5	TOL	10.300	1061	2.293	0
--	PCE	11.183	0	0.000	0
6	CFB13	12.108	55228	1024.945	0
7	EB	12.775	788	1.560	0
8	XYLMP	12.958	2893	4.605	0
9	XYLO	13.542	1097	2.246	0
10		14.892	4727	0.000	0
11		16.858	1106	0.000	0

Totals :

	85011	2066.917

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.007
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10A
Acquired : Apr 03, 1995 09:59:33
Printed : Apr 03, 1995 11:23:53
User : DQF

C:\LABQUEST\CHROM\HFA.007 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.367	2439	0.000	0
2		0.525	97797	0.000	0
3		0.575	64635	0.000	0
4	FR12	0.700	5294	13.201	0
5		0.792	2691	0.000	0
6	VC	0.925	11898	8.834	0
7		1.000	6087	0.000	0
8		1.075	2881	0.000	0
9		1.133	4231	0.000	0
10	CLET	1.242	7190	5.761	0
11		1.308	5332	0.000	0
12		1.383	4894	0.000	0
13		1.592	8284	0.000	0
14	~~F11~~ DCE11	2.000	4283	6.343	0
15	DCM	2.083	667	1.691	0
--	FR113	2.258	0	0.000	0
16	DCE12T	2.617	2861	3.874	0
--	DCA11	2.725	0	0.000	0
17	DCE12C	3.233	3141	3.884	0
--	CLFM	3.430	0	0.000	0
18	DCA12	3.883	2510	3.027	0
19	TCA111	4.042	8476	12.930	0
20	BNZ	4.342	4755	2.187	0
--	CBTC	4.458	0	0.000	0
21		4.958	1252	0.000	0
22	TCE	5.158	2705	2.880	0
23	DCPE13C	5.975	174059	960.783	0
24	TCA112	6.767	920	1.361	0
25	TOL	7.108	10534	3.459	0
26		8.258	1720	0.000	0
27	PCE	8.900	1403	2.514	0
28	CFB13	9.392	361849	993.522	0
29		9.642	4391	0.000	0

Continued...

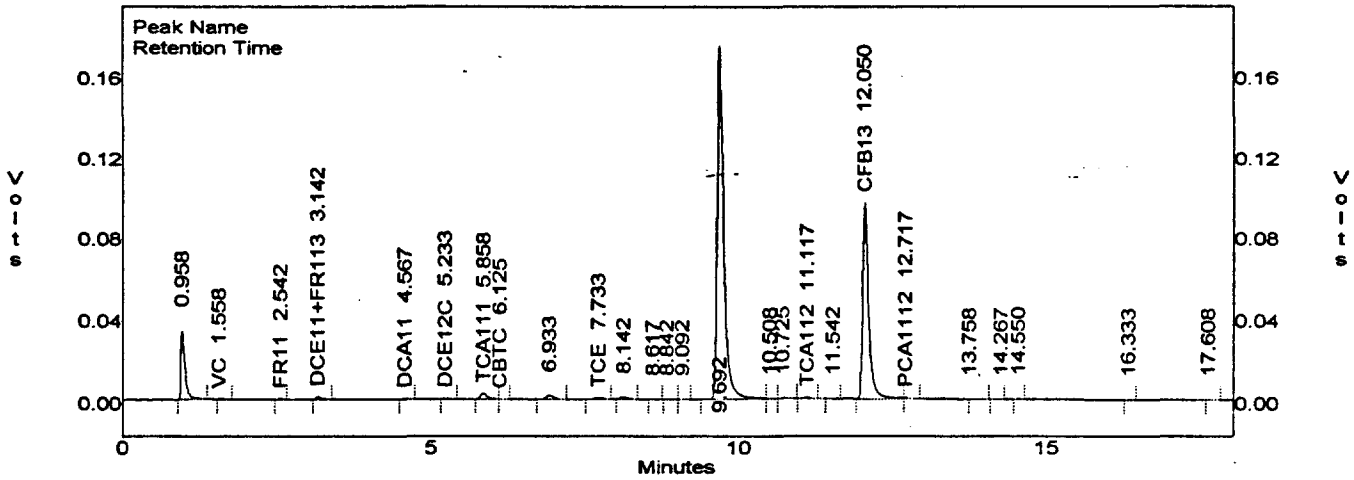
File : C:\LABQUEST\CHROM\HFA.007
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10A
quired : Apr 03, 1995 09:59:33
inted : Apr 03, 1995 11:23:54
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
30	PCA1112	9.883	2277	4.246	0
31	PCA1122+EB	10.475	9534	5.764	0
32	XYLMP	10.733	26729	7.594	0
33	XYLO	11.300	11810	2.879	0
34		12.125	893	0.000	0
35		12.925	580	0.000	0
36		13.583	1191	0.000	0
37		14.000	18301	0.000	0
38		14.625	776	0.000	0
39		15.250	3571	0.000	0
40		16.333	3187	0.000	0
41		17.292	908	0.000	0
Totals :			888955	2046.735	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.013
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10B
Acquired : Apr 03, 1995 12:50:40
Printed : Apr 03, 1995 13:08:55
User : DQF

C:\LABQUEST\CHROM\HFA.013 – Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.958	159540	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.558	736	0.113	0
--	CLET	2.225	0	0.000	0
3	FR11	2.542	1058	0.136	0
4	DCE11+FR113	3.142	7822	1.329 ✓ No FR113	0
--	DCM	3.817	0	0.000	0
--	DCE12T	4.125	0	0.000	0
5	DCA11	4.567	1550	0.169	0
6	DCE12C	5.233	1956	0.250	0
--	CLFM	5.767	0	0.000	0
7	TCA111	5.858	21429	2.036 ✓	0
8	CBTC	6.125	723	0.061	0
--	DCA12	6.600	0	0.000	0
9		6.933	14961	0.000	0
10	TCE	7.733	5923	0.486	0
11		8.142	8382	0.000	0
12		8.617	669	0.000	0
13		8.842	733	0.000	0
14		9.092	570	0.000	0
15		9.692	1277840	0.000 1056	0
--	DCPE13C	9.817	0	0.000	0
16		10.508	2675	0.000	0
17		10.725	2896	0.000	0
18	TCA112	11.117	4155	0.613	0
--	PCE	11.225	0	0.000	0
19		11.542	741	0.000	0
20	CFB13	12.050	637012	1072.269	0
21	PCA1112	12.717	2729	0.255	0
22		13.758	595	0.000	0
23		14.267	705	0.000	0
24		14.550	613	0.000	0
--	PCA1122	14.658	0	0.000	0

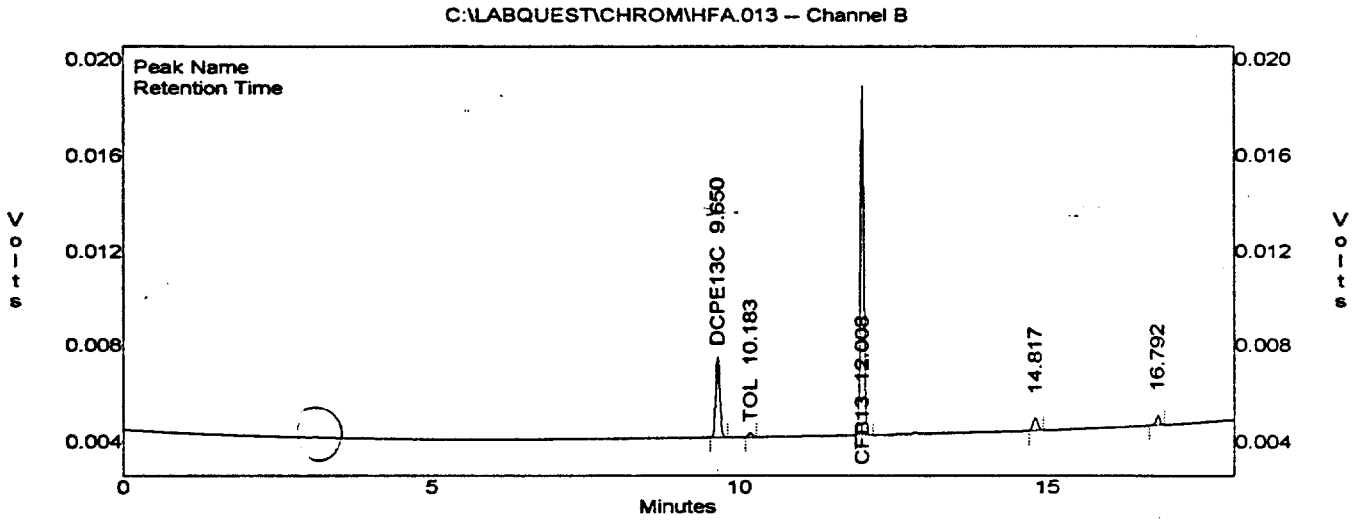
Continued...

File : C:\LABQUEST\CHROM\HFA.013
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10B
quired : Apr 03, 1995 12:50:40
nted : Apr 03, 1995 13:08:57
User : DQF

Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
25		16.333	545	0.000	0
26		17.608	532	0.000	0
Totals :			2157102	1077.718	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.013
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10B
Acquired : Apr 03, 1995 12:50:40
Printed : Apr 03, 1995 13:08:58
User : DQF



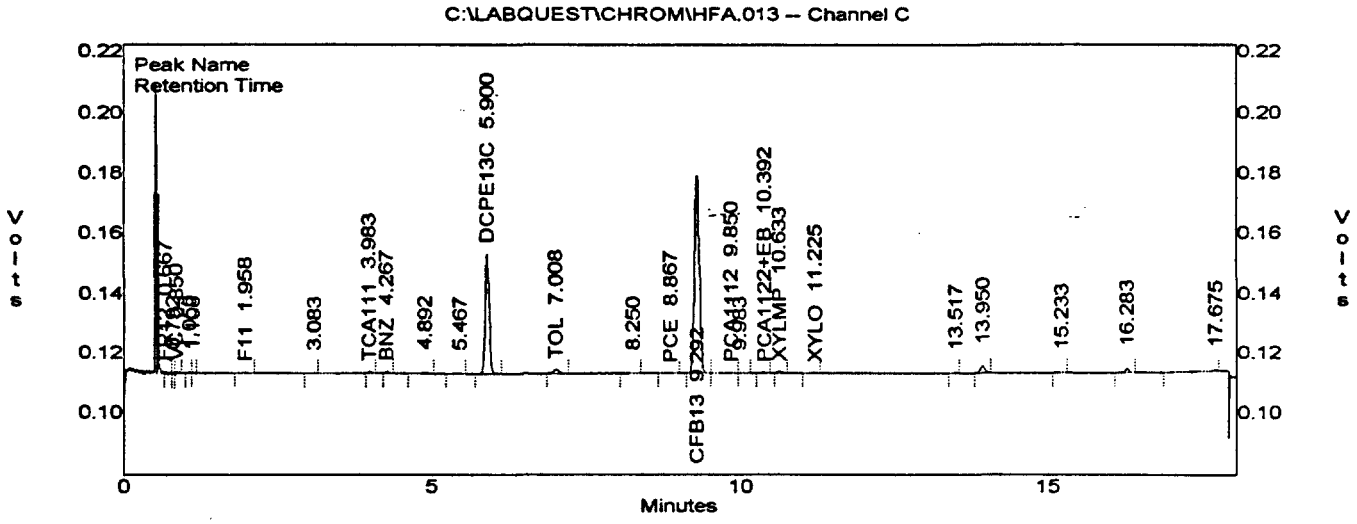
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
--	TCE	7.742	0	0.000	0
1	DCPE13C	9.650	15691	1022.865	0
2	TOL	10.183	842	1.819	0
--	PCE	11.183	0	0.000	0
3	CFB13	12.008	55231	1025.001	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
4		14.817	3039	0.000	0
5		16.792	1782	0.000	0

Totals :

			76586	2049.685	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.013
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10B
Acquired : Apr 03, 1995 12:50:40
Printed : Apr 03, 1995 13:08:59
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	FR12	0.667	3511	8.755	0
2		0.792	1950	0.000	0
3	VC	0.850	3150	2.339	0
4		1.050	1602	0.000	0
5		1.108	1028	0.000	0
--	CLET	1.233	0	0.000	0
6	~~F11~~ DCE11	1.958	1517	2.247 ✓	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
--	DCE12T	2.617	0	0.000	0
--	DCA11	2.725	0	0.000	0
7		3.083	733	0.000	0
--	DCE12C	3.240	0	0.000	0
--	CLFM	3.430	0	0.000	0
--	DCA12	3.880	0	0.000	0
8	TCA111	3.983	2664	4.064 ✓	0
9	BNZ	4.267	2501	1.151	0
--	CBTC	4.458	0	0.000	0
10		4.892	2345	0.000	0
--	TCE	5.158	0	0.000	0
11		5.467	688	0.000	0
12	DCPE13C	5.900	177811	981.493	0
--	TCA112	6.758	0	0.000	0
13	TOL	7.008	9402	3.087	0
14		8.250	1774	0.000	0
15	PCE	8.867	1214	2.176	0
16	CFB13	9.292	363167	997.139	0
17	PCA1112	9.850	2456	4.580	0
18		9.983	662	0.000	0
19	PCA1122+EB	10.392	1020	0.617	0
20	XYLMP	10.633	3141	0.892	0
21	XYLO	11.225	1306	0.319	0
22		13.517	589	0.000	0

Continued...

File : C:\LABQUEST\CHROM\HFA.013
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-10B
quired : Apr 03, 1995 12:50:40
inted : Apr 03, 1995 13:09:00
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
23		13.950	12422	0.000	0
24		15.233	932	0.000	0
25		16.283	6415	0.000	0
26		17.675	1640	0.000	0

Totals :

	605647	2008.858

HYDRO GEO CHEM, INC.
Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-1-20
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 20
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

Analytical Summary

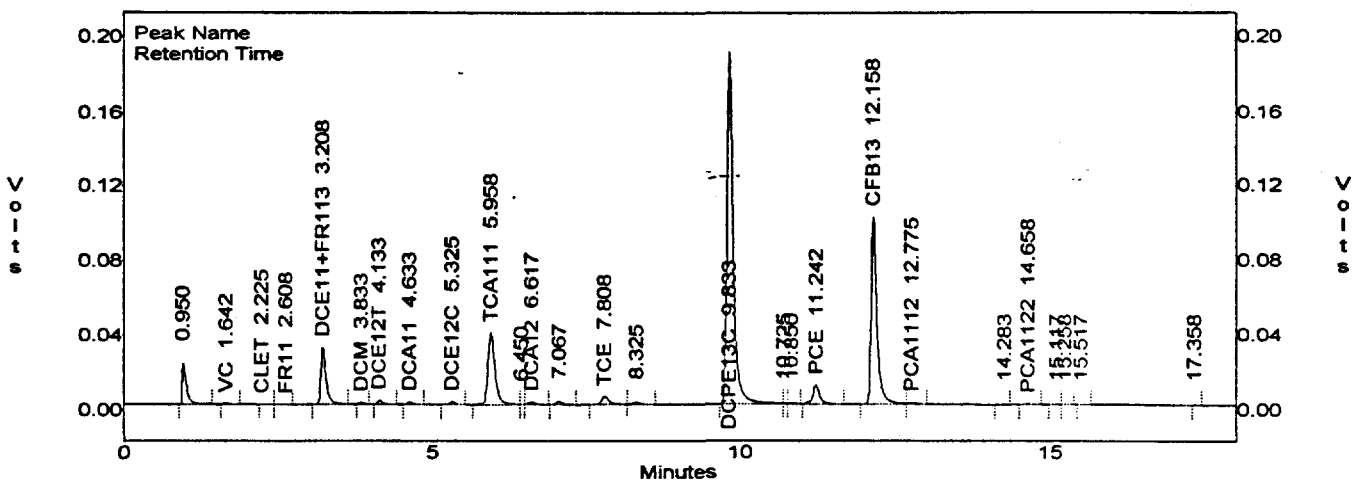
Chemist:Steve Chan
Date/Time: 4/3/95 8:36

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	16	
Vinyl Chloride	1.0			Benzene	1.0	<1	
Chloroethane	1.0			Toluene	1.0		
Freon 11	1.0			Ethylbenzene	1.0		
Freon 113	1.0			m/p-Xylene	1.0	2.8	
Dichloromethane	1.0			o-Xylene	1.0	1.5	
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0	29					
Carbon Tetrachloride	1.0	<1		% Surr(DCPE13C)ELCD		111	
12DCA	1.0	<1		~~% Surr(DCPE13T)ELCD~~			
TCE	1.0	3.1		% Surr(CFB13)ELCD		109	
112TCA	1.0	<1		% Surr(DCPE13C)PID		99	
PCE	1.0	6.8		~~% Surr(DCPE13T)PID~~			
1112PCA	1.0	<1		% Surr(CFB13)PID		103	
1122PCA	1.0						

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.008
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-20A
Acquired : Apr 03, 1995 10:24:35
Printed : Apr 03, 1995 11:35:01
User : DQF

C:\LABQUEST\CHROM\HFA.008 – Channel A



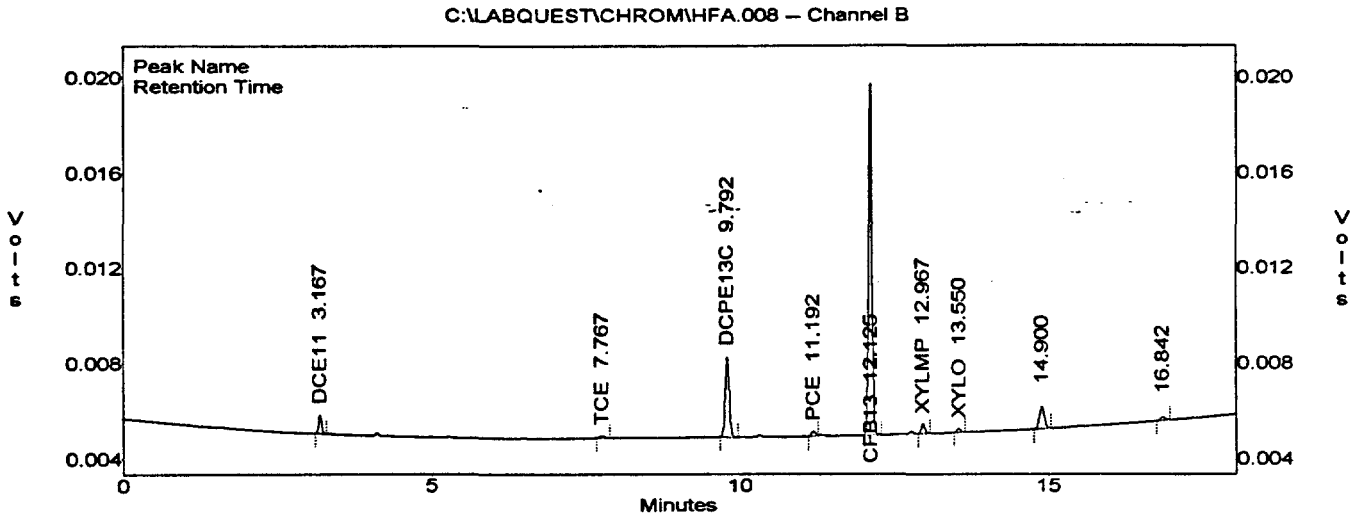
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.950	103579	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.642	2958	0.456	0
3	CLET	2.225	969	0.214	0
4	FR11	2.608	1633	0.210	0
5	DCE11+FR113	3.208	175814	29.859 No FR113	0
6	DCM	3.833	4117	0.523	0
7	DCE12T	4.133	11574	1.444 ✓?	0
8	DCA11	4.633	8295	0.905	0
9	DCE12C	5.325	9203	1.177 ✓?	0
--	CLFM	5.767	0	0.000	0
10	TCA111	5.958	308034	29.270 ✓	0
--	CBTC	6.167	0	0.000	0
11		6.450	953	0.000	0
12	DCA12	6.617	10537	1.323 ✓?	0
13		7.067	12965	0.000	0
14	TCE	7.808	37382	3.066 ✓	0
15		8.325	11496	0.000	0
16	DCPE13C	9.833	1336788	1105.080	0
17		10.725	655	0.000	0
18		10.850	1828	0.000	0
--	TCA112	11.117	0	0.000	0
19	PCE	11.242	77954	6.757 ✓	0
20	CFB13	12.158	649002	1092.451	0
21	PCA1112	12.775	6704	0.626	0
22		14.283	691	0.000	0
23	PCA1122	14.658	2760	0.334	0
24		15.117	535	0.000	0
25		15.258	523	0.000	0
26		15.517	799	0.000	0
27		17.358	725	0.000	0

Totals :

	2778480	2273.695

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.008
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-20A
Acquired : Apr 03, 1995 10:24:35
Printed : Apr 03, 1995 11:35:02
User : DQF



Channel B Results

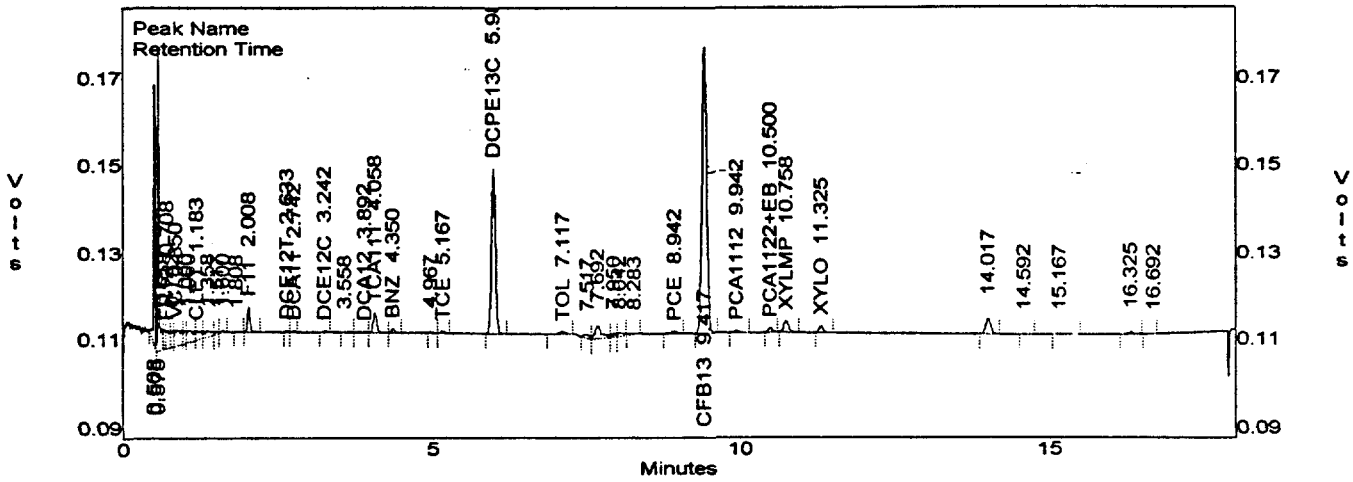
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.167	2815	16.293	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
2	TCE	7.767	601	1.619	0
3	DCPE13C	9.792	15170	988.855	0
--	TOL	10.300	0	0.000	0
4	PCE	11.192	855	3.483	0
5	CFB13	12.125	55692	1033.556	0
--	EB	12.775	0	0.000	0
6	XYLMP	12.967	1777	2.829	0
7	XYLO	13.550	717	1.469	0
8		14.900	5297	0.000	0
9		16.842	765	0.000	0

Totals :

	83692	2048.104

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.008
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-20A
Acquired : Apr 03, 1995 10:24:35
Printed : Apr 03, 1995 11:35:04
User : DQF

C:\LABQUEST\CHROM\HFA.008 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	76696	0.000	0
2		0.575	84850	0.000	0
3		0.658	10791	0.000	0
4	FR12	0.708	17088	42.604	0
5		0.792	12156	0.000	0
6	VC	0.850	27102	20.121	0
7		1.000	9786	0.000	0
8		1.050	19912	0.000	0
9	CLET	1.183	12586	10.086	0
10		1.358	12492	0.000	0
11		1.517	2662	0.000	0
12		1.600	1926	0.000	0
13		1.808	645	0.000	0
14	~~F11~~ DCE 11	2.008	16854	24.958	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
15	DCE12T	2.633	990	1.340	0
16	DCA11	2.742	735	0.852	0
17	DCE12C	3.242	1118	1.382	0
--	CLFM	3.430	0	0.000	0
18		3.558	546	0.000	0
19	DCA12	3.892	1408	1.699	0
20	TCA111	4.058	19600	29.900	0
21	BNZ	4.350	3727	1.715	0
--	CBTC	4.458	0	0.000	0
22		4.967	1287	0.000	0
23	TCE	5.167	2263	2.409	0
24	DCPE13C	5.983	172215	950.605	0
--	TCA112	6.758	0	0.000	0
25	TOL	7.117	4244	1.394	0
26		7.517	5172	0.000	0
27		7.692	22969	0.000	0
28		7.950	4901	0.000	0

Continued...

File : C:\LABQUEST\CHROM\HFA.008
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-20A
Acquired : Apr 03, 1995 10:24:35
Printed : Apr 03, 1995 11:35:05
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
29		8.042	6528	0.000	0
30		8.283	3791	0.000	0
31	PCE	8.942	3623	6.492 J	0
32	CFB13	9.417	357322	981.091	0
33	PCA1112	9.942	2871	5.354	0
34	PCA1122+EB	10.500	5034	3.043	0
35	XYLMP	10.758	15050	4.275 J	0
36	XYLO	11.325	7606	1.855 J	0
37		14.017	20383	0.000	0
38		14.592	824	0.000	0
39		15.167	2996	0.000	0
40		16.325	2874	0.000	0
41		16.692	510	0.000	0
Totals :			976149	2091.173	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-01-30
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 30
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

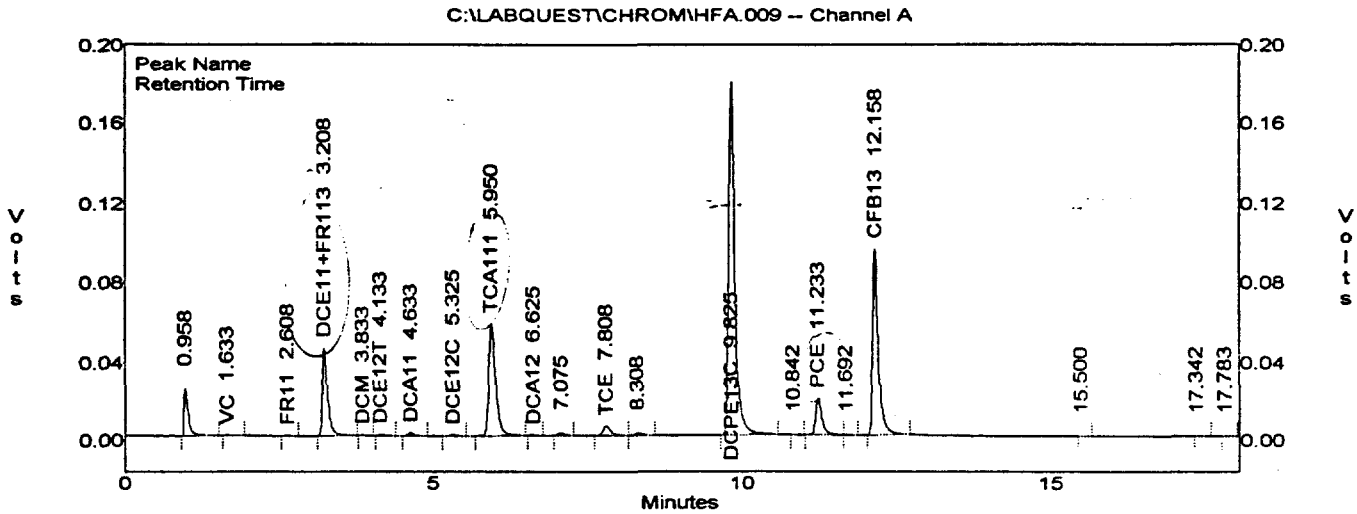
Analytical Summary

Chemist:Steve Chan
Date/Time: 4/3/95 8:45

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1	<1	11DCE	1.0	25	17
Vinyl Chloride	1.0			Benzene	1.0	<1	<1
Chloroethane	1.0			Toluene	1.0	1.6	
Freon 11	1.0			Ethylbenzene	1.0	1.3	
Freon 113	1.0			m/p-Xylene	1.0	3.8	
Dichloromethane	1.0			o-Xylene	1.0	1.7	
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0	43	31				
Carbon Tetrachloride	1.0	<1	<1	% Surr(DCPE13C)ELCD		103	104
12DCA	1.0	<1	<1	% Surr(DCPE13T)ELCD			
TCE	1.0	3.7	2.1	% Surr(CFB13)ELCD		102	109
112TCA	1.0	<1	<1	% Surr(DCPE13C)PID		94	100
PCE	1.0	12	5.4	% Surr(DCPE13T)PID			
1112PCA	1.0	<1	<1	% Surr(CFB13)PID		96	101
1122PCA	1.0	<1	<1				

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.009
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30A
Acquired : Apr 03, 1995 10:49:34
Printed : Apr 03, 1995 11:27:59
User : DQF



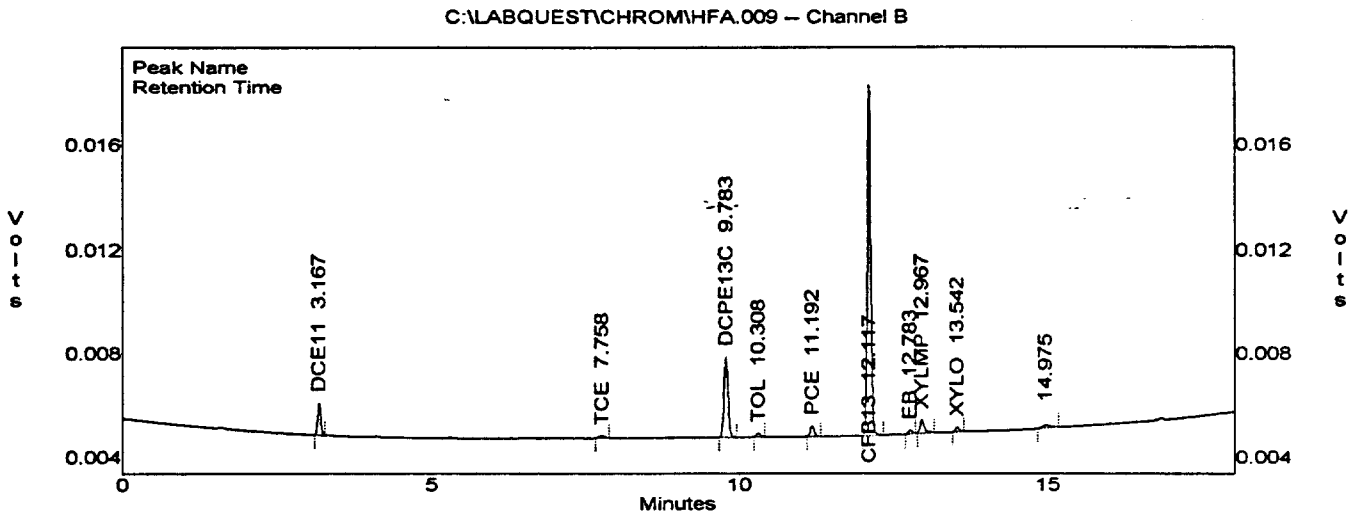
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.958	111994	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.633	1957	0.301	0
--	CLET	2.225	0	0.000	0
3	FR11	2.608	1455	0.187	0
4	DCE11+FR113	3.208	264565	44.932 No FR113	0
5	DCM	3.833	1503	0.191	0
6	DCE12T	4.133	5138	0.641	0
7	DCA11	4.633	10029	1.094 ✓ ?	0
8	DCE12C	5.325	4793	0.613	0
--	CLFM	5.767	0	0.000	0
9	TCA111	5.950	448188	42.588 ✓	0
--	CBTC	6.167	0	0.000	0
10	DCA12	6.625	2584	0.325	0
11		7.075	11141	0.000	0
12	TCE	7.808	45290	3.715 ✓	0
13		8.308	10899	0.000	0
14	DCPE13C	9.825	1248525	1032.115	0
15		10.842	1203	0.000	0
--	TCA112	11.117	0	0.000	0
16	PCE	11.233	137066	11.880 ✓	0
17		11.692	1320	0.000	0
18	CFB13	12.158	607472	1022.544	0
--	PCA1112	12.767	0	0.000	0
--	PCA1122	14.658	0	0.000	0
19		15.500	571	0.000	0
20		17.342	641	0.000	0
21		17.783	534	0.000	0

Totals :

	2916873	2161.126

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.009
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30A
Acquired : Apr 03, 1995 10:49:34
Printed : Apr 03, 1995 11:28:00
User : DQF



Channel B Results

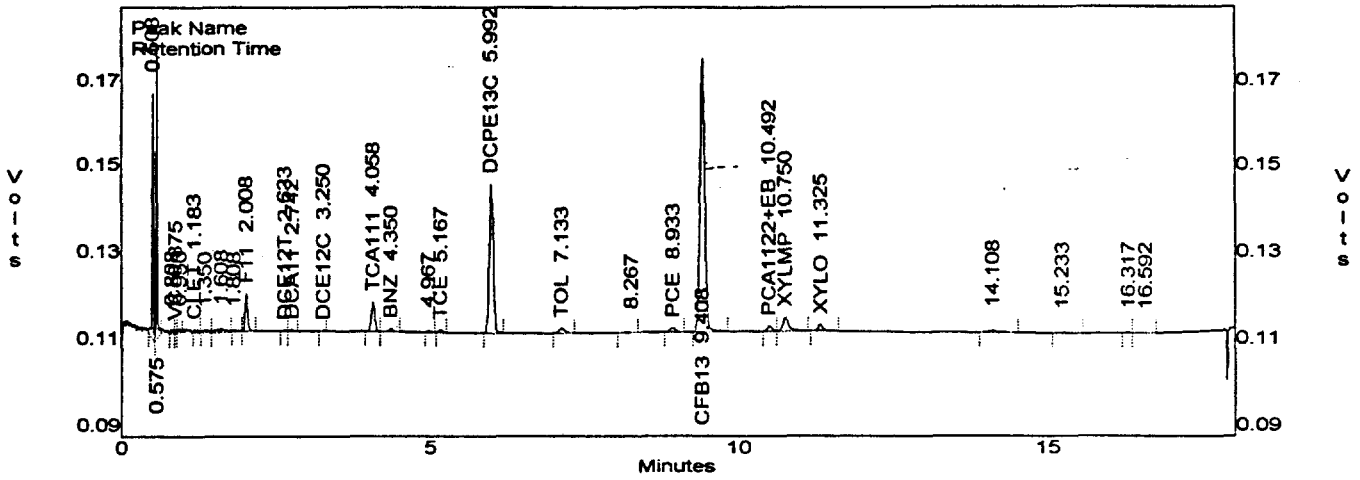
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.167	4351	25.183	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
2	TCE	7.758	715	1.926	0
3	DCPE13C	9.783	14474	943.486	0
4	TOL	10.308	728	1.573	0
5	PCE	11.192	1898	7.734	0
6	CFB13	12.117	51992	964.881	0
7	EB	12.783	681	1.348	0
8	XYLMP	12.967	2393	3.810	0
9	XYLO	13.542	806	1.651	0
10		14.975	1078	0.000	0

Totals :

	79118	1951.594

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.009
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30A
Acquired : Apr 03, 1995 10:49:34
Printed : Apr 03, 1995 11:28:02
User : DQF

C:\LABQUEST\CHROM\HFA.009 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	66668	0.000	0
2		0.575	69525	0.000	0
--	FR12	0.692	0	0.000	0
3		0.808	2915	0.000	0
4	VC	0.875	1221	0.907	0
5		0.950	2160	0.000	0
6	CLET	1.183	1471	1.179	0
7		1.350	3828	0.000	0
8		1.608	7359	0.000	0
9		1.808	2193	0.000	0
10	~~F11~~ DCE11	2.008	25334	37.515	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
11	DCE12T	2.633	533	0.722	0
12	DCA11	2.742	901	1.043	0
13	DCE12C	3.250	578	0.715	0
--	CLFM	3.430	0	0.000	0
--	DCA12	3.880	0	0.000	0
14	TCA111	4.058	28075	42.829	0
15	BNZ	4.350	3262	1.501	0
--	CBTC	4.458	0	0.000	0
16		4.967	1219	0.000	0
17	TCE	5.167	2317	2.467	0
18	DCPE13C	5.992	155635	859.086	0
--	TCA112	6.758	0	0.000	0
19	TOL	7.133	7675	2.520	0
20		8.267	2028	0.000	0
21	PCE	8.933	6471	11.593	0
22	CFB13	9.408	349850	960.576	0
--	PCA1112	9.892	0	0.000	0
23	PCA1122+EB	10.492	6751	4.081	0
24	XYLMP	10.750	22385	6.359	0
25	XYLO	11.325	8846	2.157	0

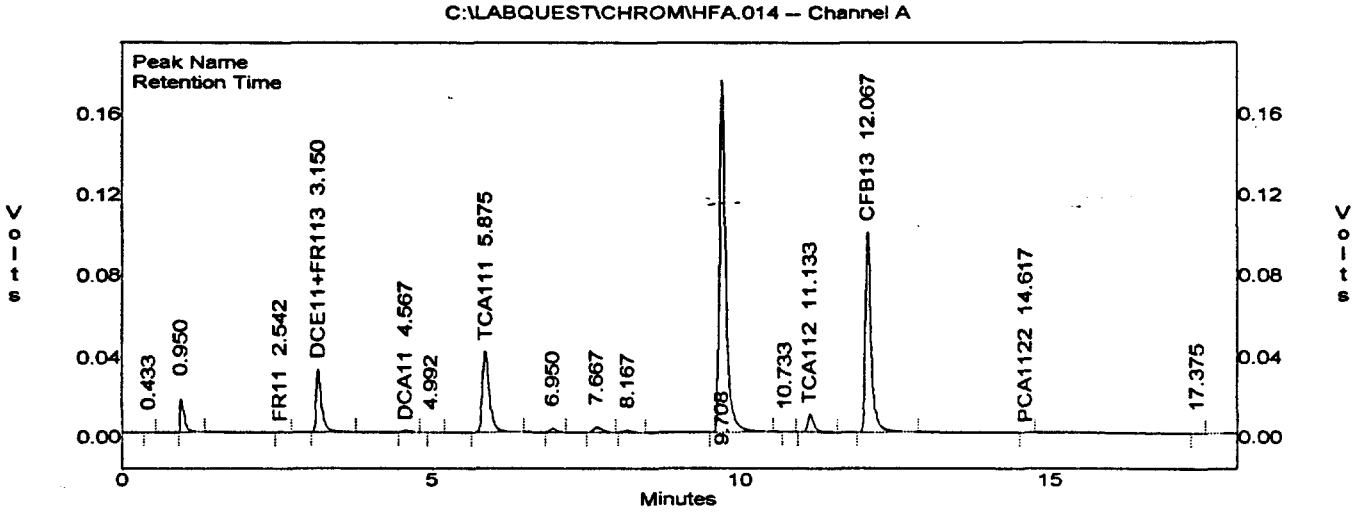
Continued...

File : C:\LABQUEST\CHROM\HFA.009
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30A
Acquired : Apr 03, 1995 10:49:34
Printed : Apr 03, 1995 11:28:03
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
26		14.108	5833	0.000	0
27		15.233	3334	0.000	0
28		16.317	1017	0.000	0
29		16.592	816	0.000	0
Totals :			790211	1935.250	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.014
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30B
Acquired : Apr 03, 1995 13:19:03
Printed : Apr 03, 1995 13:37:23
User : DQF



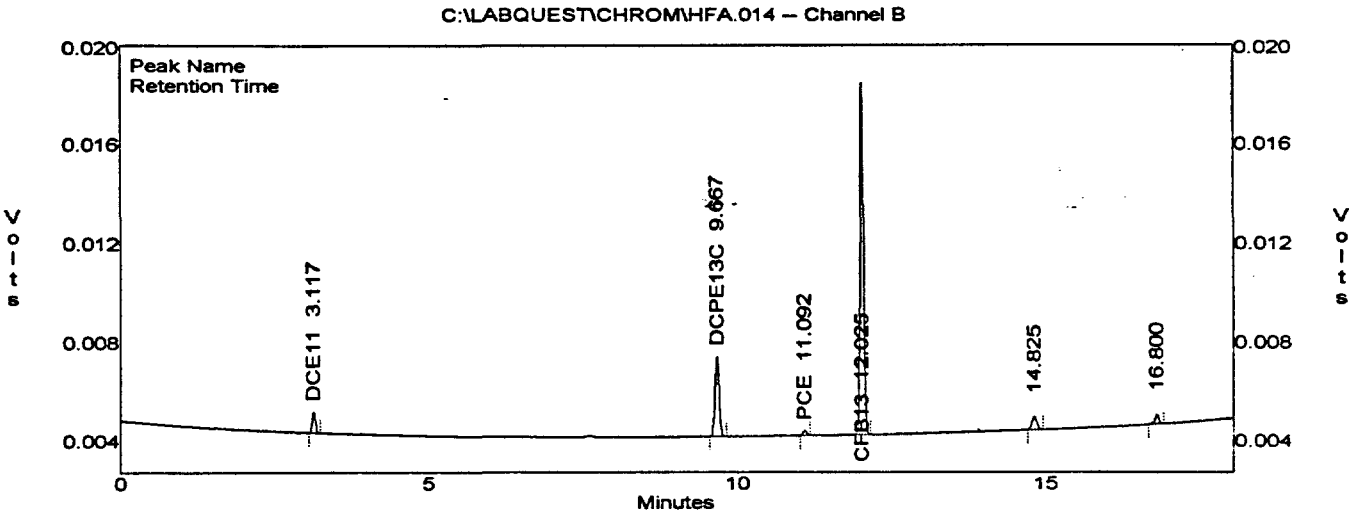
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.433	593	0.000	0
2		0.950	81034	0.000	0
--	FR12	1.217	0	0.000	0
--	VC	1.633	0	0.000	0
--	CLET	2.225	0	0.000	0
3	FR11	2.542	1921	0.248	0
4	DCE11+FR113	3.150	189351	32.158 DCE11 only	0
--	DCM	3.817	0	0.000	0
--	DCE12T	4.125	0	0.000	0
5	DCA11	4.567	8046	0.878	0
6		4.992	1408	0.000	0
--	DCE12C	5.317	0	0.000	0
--	CLFM	5.767	0	0.000	0
7	TCA111	5.875	323937	30.781	0
--	CBTC	6.167	0	0.000	0
--	DCA12	6.600	0	0.000	0
8		6.950	13615	0.000	0
9		7.667	25497	0.000 2.09	0
--	TCE	7.783	0	0.000	0
10		8.167	8209	0.000	0
11		9.708	1258458	0.000 1040.	0
--	DCPE13C	9.817	0	0.000	0
12		10.733	943	0.000	0
13	TCA112	11.133	62492	~~9.214~~ PCE 5.416	0
--	PCE	11.225	0	0.000	0
14	CFB13	12.067	646951	1089.000	0
--	PCA1112	12.767	0	0.000	0
15	PCA1122	14.617	771	0.093	0
16		17.375	1030	0.000	0

Totals :

	2624261	1162.371

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.014
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30B
Acquired : Apr 03, 1995 13:19:03
Printed : Apr 03, 1995 13:37:25
User : DQF



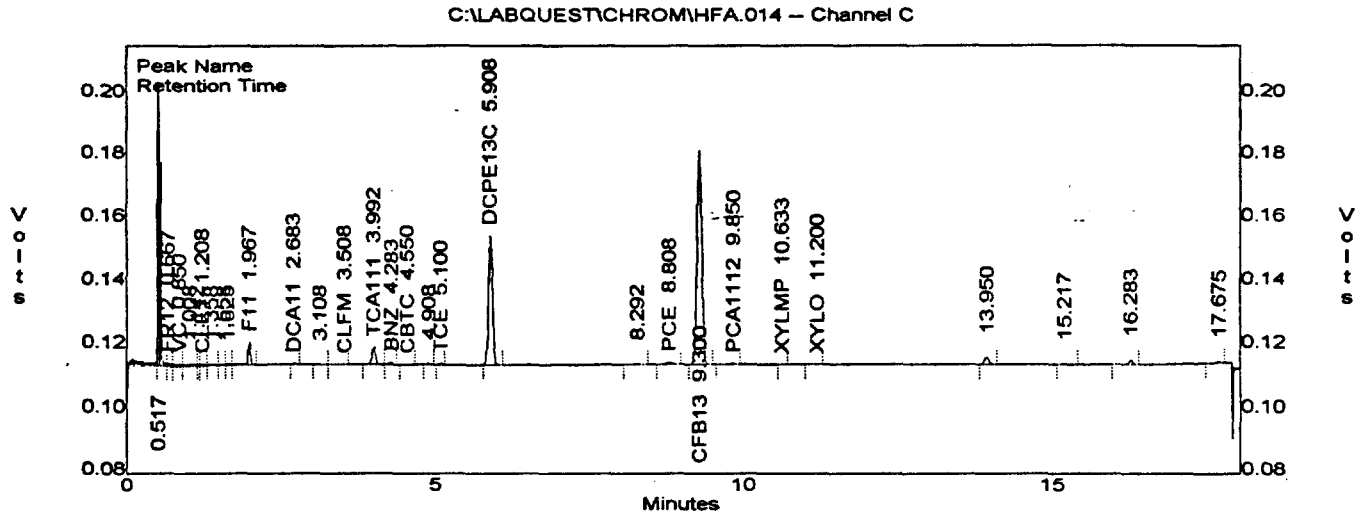
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.117	3027	17.517	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
--	TCE	7.742	0	0.000	0
2	DCPE13C	9.667	15288	996.547	0
--	TOL	10.300	0	0.000	0
3	PCE	11.092	868	3.538	0
4	CFB13	12.025	54250	1006.791	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
5		14.825	3072	0.000	0
6		16.800	1591	0.000	0

Totals :

			78097	2024.392	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.014
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30B
Acquired : Apr 03, 1995 13:19:03
Printed : Apr 03, 1995 13:37:27
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.517	188649	0.000	0
2	FR12	0.667	4029	10.045	0
3	VC	0.850	5502	4.085	0
4		1.008	8368	0.000	0
5		1.142	1218	0.000	0
6	CLET	1.208	3920	3.141	0
7		1.358	4680	0.000	0
8		1.558	2343	0.000	0
9		1.625	1584	0.000	0
10	~~F11~~ DCE11	1.967	21463	31.783	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
--	DCE12T	2.617	0	0.000	0
11	DCA11	2.683	1270	1.470	0
12		3.108	549	0.000	0
--	DCE12C	3.240	0	0.000	0
13	CLFM	3.508	678	2.199	0
--	DCA12	3.880	0	0.000	0
14	TCA111	3.992	22684	34.604 J	0
15	BNZ	4.283	2966	1.365	0
16	CBTC	4.550	503	2.183	0
17		4.908	1420	0.000	0
18	TCE	5.100	1275	1.357	0
19	DCPE13C	5.908	180312	995.298	0
--	TCA112	6.758	0	0.000	0
--	TOL	7.117	0	0.000	0
20		8.292	1929	0.000	0
21	PCE	8.808	3658	6.555	0
22	CFB13	9.300	367802	1009.865	0
23	PCA1112	9.850	1465	2.733	0
--	PCA1122+EB	10.483	0	0.000	0
24	XYLMP	10.633	525	0.149	0
25	XYLO	11.200	718	0.175	0

Continued...

File : C:\LABQUEST\CHROM\HFA.014
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-30B
Acquired : Apr 03, 1995 13:19:03
Printed : Apr 03, 1995 13:37:28
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
26		13.950	12421	0.000	0
27		15.217	2531	0.000	0
28		16.283	6517	0.000	0
29		17.675	1397	0.000	0
Totals :			852385	2107.008	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-01-40
Probe Depth (ft): 40'
Time Sampled:
Sampled by:
Date Sampled:03/ /95
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

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:

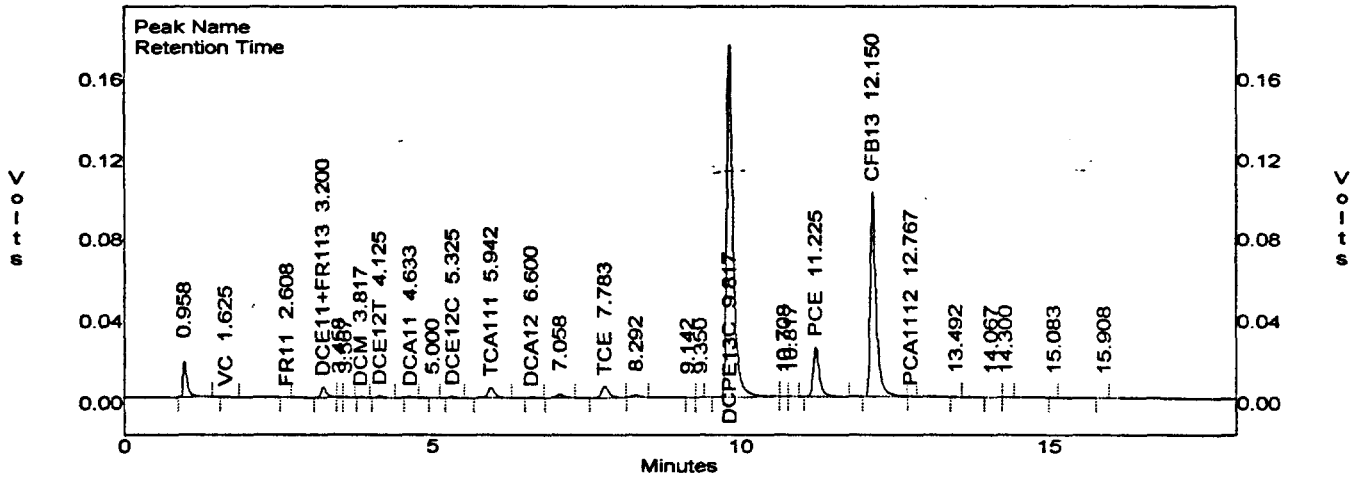
Analytical Summary

Chemist: ~~Steve Chan~~
Volume Analyzed (ml): 1.0 ml
Date/Time: 4/3/95 8:59
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	3.1	
Vinyl Chloride	1.0			Benzene	1.0	<1	
Chloroethane	1.0			Toluene	1.0	1.4	
Freon 11	1.0			Ethylbenzene	1.0	<1	
Freon 113	1.0			m/p-Xylene	1.0	2.1	
Dichloromethane	1.0			o-Xylene	1.0	<1	
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0	3.6					
Carbon Tetrachloride	1.0	<1		% Surr(DCPE13C)ELCD		104	
12DCA	1.0	<1		% Surr(DCPE13T)ELCD			
TCE	1.0	4.1		% Surr(CFB13)ELCD		110	
112TCA	1.0	<1		% Surr(DCPE13C)PID		95	
PCE	1.0	15		% Surr(DCPE13T)PID			
1112PCA	1.0	<1		% Surr(CFB13)PID		99	
1122PCA	1.0	<1					

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.010
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-40A
Acquired : Apr 03, 1995 11:14:37
Printed : Apr 03, 1995 11:32:52
User : DQF

C:\LABQUEST\CHROM\HFA.010 – Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.958	82598	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.625	1981	0.305	0
--	CLET	2.225	0	0.000	0
3	FR11	2.608	607	0.078	0
4	DCE11+FR113	3.200	31200	5.299 No FR113	0
5		3.458	590	0.000	0
6		3.567	578	0.000	0
7	DCM	3.817	1515	0.192	0
8	DCE12T	4.125	5096	0.636	0
9	DCA11	4.633	2216	0.242	0
10		5.000	510	0.000	0
11	DCE12C	5.325	5085	0.650	0
--	CLFM	5.767	0	0.000	0
12	TCA111	5.942	38252	3.635 ✓	0
--	CBTC	6.167	0	0.000	0
13	DCA12	6.600	2926	0.368	0
14		7.058	13433	0.000	0
15	TCE	7.783	49406	4.052 ✓	0
16		8.292	9426	0.000	0
17		9.142	545	0.000	0
18		9.350	566	0.000	0
19	DCPE13C	9.817	1263040	1044.115	0
20		10.708	1626	0.000	0
21		10.817	1534	0.000	0
--	TCA112	11.117	0	0.000	0
22	PCE	11.225	174911	15.160 ✓	0
23	CFB13	12.150	653432	1099.909	0
24	PCA1112	12.767	1586	0.148	0
25		13.492	559	0.000	0
26		14.067	844	0.000	0
27		14.300	585	0.000	0
--	PCA1122	14.658	0	0.000	0

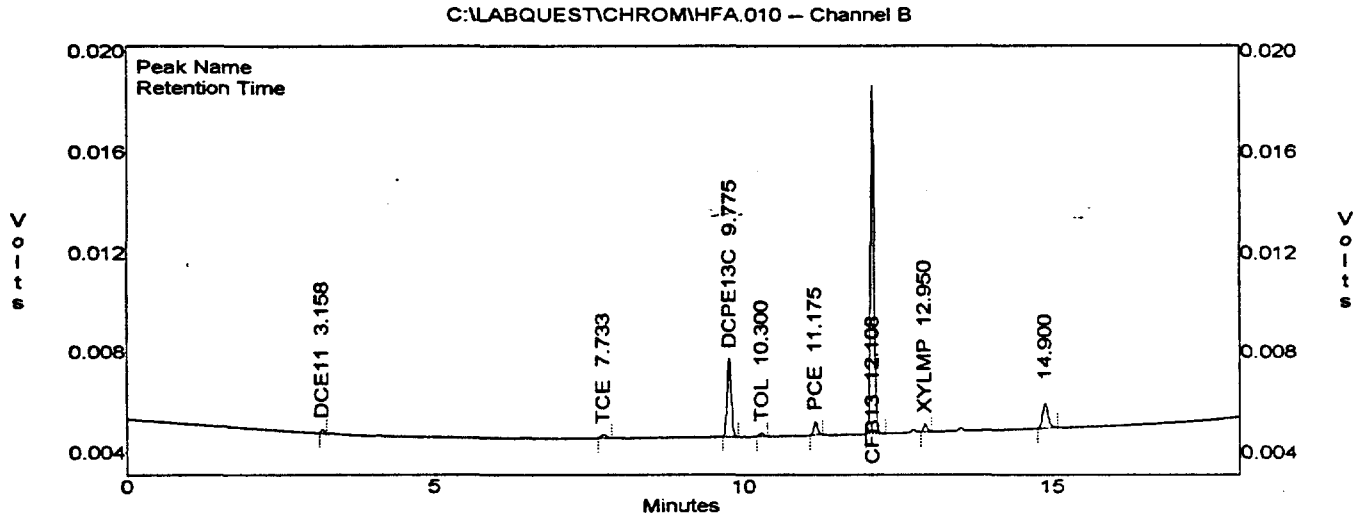
Continued...

File : C:\LABQUEST\CHROM\HFA.010
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-40A
Acquired : Apr 03, 1995 11:14:37
Printed : Apr 03, 1995 11:32:53
User : DQF

Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
28		15.083	699	0.000	0
29		15.908	635	0.000	0
Totals :			2345993	2174.790	

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.010
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-40A
Acquired : Apr 03, 1995 11:14:37
Printed : Apr 03, 1995 11:32:54
User : DQF



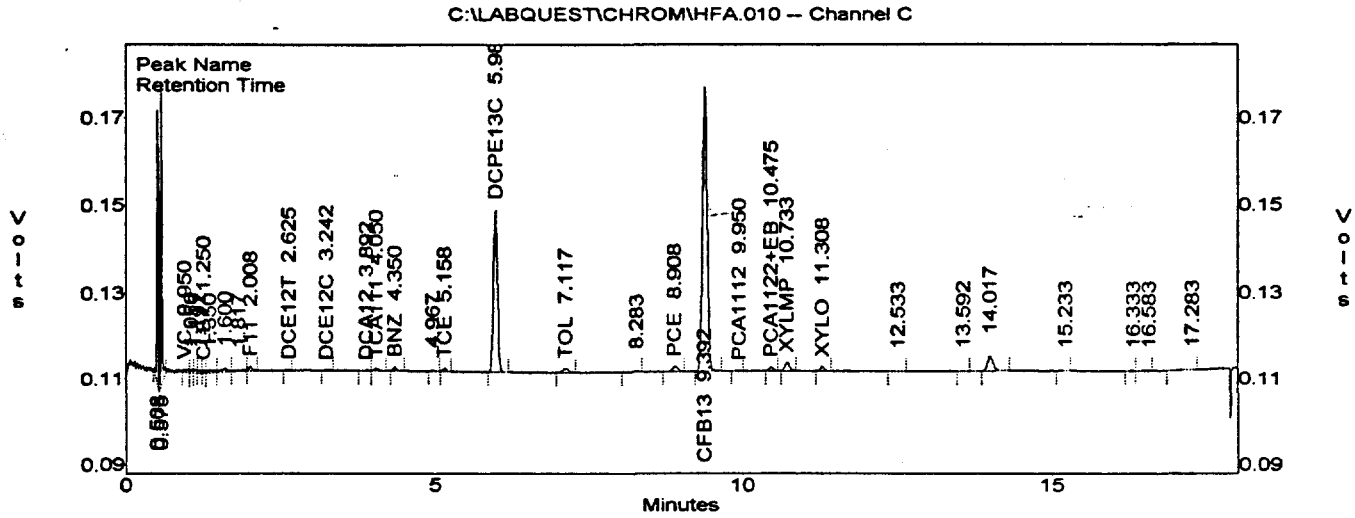
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.158	539	3.119	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
2	TCE	7.733	838	2.259	0
3	DCPE13C	9.775	14505	945.507	0
4	TOL	10.300	669	1.445	0
5	PCE	11.175	2292	9.339	0
6	CFB13	12.108	53209	987.467	0
--	EB	12.775	0	0.000	0
7	XYLMP	12.950	1316	2.096	0
--	XYLO	13.533	0	0.000	0
8		14.900	5935	0.000	0

Totals :

	79305	1951.232

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.010
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-40A
Acquired : Apr 03, 1995 11:14:37
Printed : Apr 03, 1995 11:32:55
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	76142	0.000	0
2		0.575	74292	0.000	0
--	FR12	0.692	0	0.000	0
3	VC	0.950	3959	2.939	0
4		1.050	2600	0.000	0
5		1.117	3053	0.000	0
6		1.192	3153	0.000	0
7	CLET	1.250	2217	1.776	0
8		1.350	6201	0.000	0
9		1.600	8049	0.000	0
10		1.817	4053	0.000	0
11	F11	2.008	3698	5.476	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
12	DCE12T	2.625	508	0.688	0
--	DCA11	2.725	0	0.000	0
13	DCE12C	3.242	877	1.084	0
--	CLFM	3.430	0	0.000	0
14	DCA12	3.892	558	0.673	0
15	TCA111	4.050	2652	4.046	0
16	BNZ	4.350	3630	1.670	0
--	CBTC	4.458	0	0.000	0
17		4.967	1391	0.000	0
18	TCE	5.158	2889	3.076	0
19	DCPE13C	5.983	169559	935.941	0
--	TCA112	6.758	0	0.000	0
20	TOL	7.117	6992	2.296	0
21		8.283	1398	0.000	0
22	PCE	8.908	8273	14.821	0
23	CFB13	9.392	353100	969.500	0
24	PCA1112	9.950	835	1.557	0
25	PCA1122+EB	10.475	4501	2.721	0
26	XYLMP	10.733	10983	3.120	0

Continued...

File : C:\LABQUEST\CHROM\HFA.010
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-40A
Acquired : Apr 03, 1995 11:14:37
Printed : Apr 03, 1995 11:32:56
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27	XYLO	11.308	5206	1.269	0
28		12.533	562	0.000	0
29		13.592	786	0.000	0
30		14.017	23385	0.000	0
31		15.233	1073	0.000	0
32		16.333	556	0.000	0
33		16.583	943	0.000	0
34		17.283	1371	0.000	0
Totals :			789457	1952.656	

HYDRO GEO CHEM, INC.
Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-01-50
Time Sampled: _____
Date Sampled:03/ /95

Probe Depth (ft): 50'
Sampled by: _____
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather: _____
Air Temp. (F): _____

Ground Surface: _____
Wind dir/speed: _____

Sample Parameters

Probe Volume (ml): _____
Purge Volume (liters): _____
Purge Time (min.): _____
Notes:

Max. Purge Vacuum (in. Hg): _____
Equilibrium Time: _____
Sample Volume (ml): _____

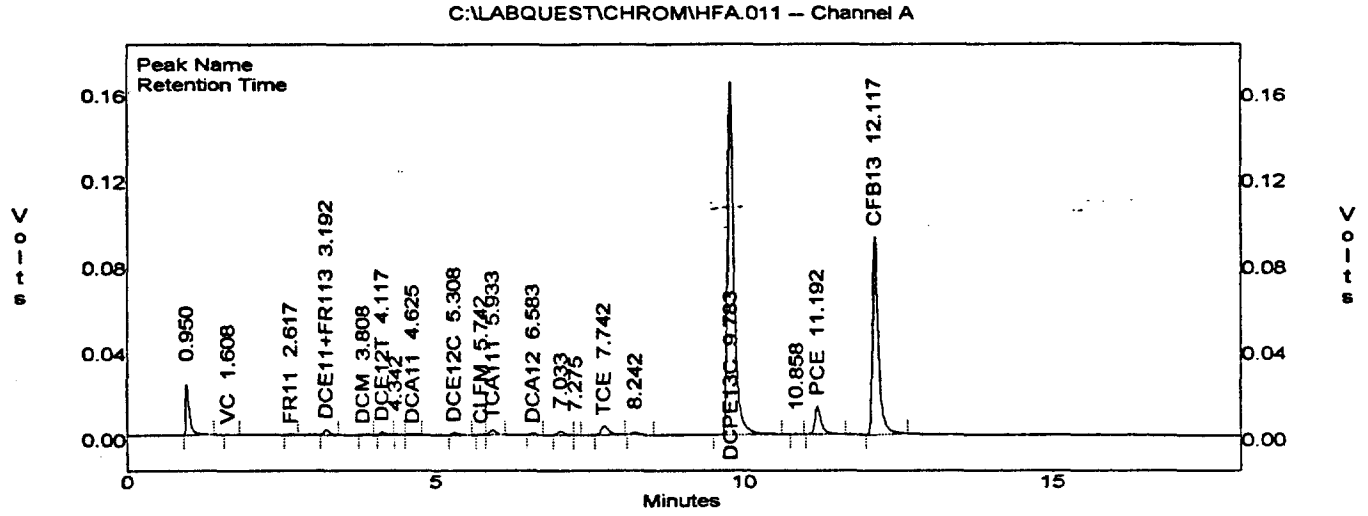
Analytical Summary

Chemist:Steve Chan
Date/Time: 4/3/95 9:10

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	<1	
Vinyl Chloride	1.0			Benzene	1.0	<1	
Chloroethane	1.0			Toluene	1.0	1.6	
Freon 11	1.0			Ethylbenzene	1.0	1.2	
Freon 113	1.0			m/p-Xylene	1.0	3.2	
Dichloromethane	1.0			o-Xylene	1.0	2.0	
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0	1.5					
Carbon Tetrachloride	1.0	<1		% Surr(DCPE13C)ELCD		98	
12DCA	1.0	<1		% Surr(DCPE13T)ELCD			
TCE	1.0	3.0		% Surr(CFB13)ELCD		102	
112TCA	1.0	<1		% Surr(DCPE13C)PID		92	
PCE	1.0	8.2		% Surr(DCPE13T)PID			
1112PCA	1.0	<1		% Surr(CFB13)PID		96	
1122PCA	1.0	<1					

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.011
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-50A
Acquired : Apr 03, 1995 11:39:24
Printed : Apr 03, 1995 11:57:39
User : DQF



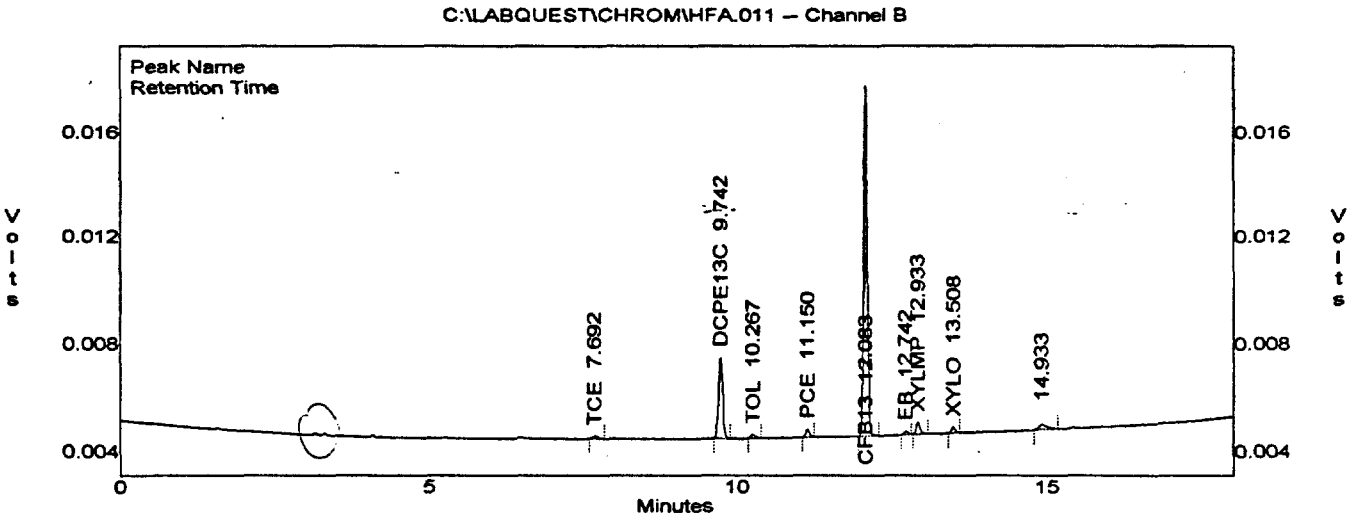
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.950	99583	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.608	1557	0.240	0
--	CLET	2.225	0	0.000	0
3	FR11	2.617	1044	0.135	0
4	DCE11+FR113	3.192	14718	2.500 No FR113	0
5	DCM	3.808	1797	0.228	0
6	DCE12T	4.117	7781	0.971	0
7		4.342	611	0.000	0
8	DCA11	4.625	1618	0.177	0
9	DCE12C	5.308	6649	0.850	0
10	CLFM	5.742	886	0.099	0
11	TCA111	5.933	15883	1.509 ✓	0
--	CBTC	6.167	0	0.000	0
12	DCA12	6.583	4470	0.561	0
13		7.033	14342	0.000	0
14		7.275	643	0.000	0
15	TCE	7.742	36457	2.990 ✓	0
16		8.242	8757	0.000	0
17	DCPE13C	9.783	1188378	982.394	0
18		10.858	919	0.000	0
--	TCA112	11.117	0	0.000	0
19	PCE	11.192	95071	8.240 ✓	0
20	CFB13	12.117	607130	1021.969	0
--	PCA1112	12.767	0	0.000	0
--	PCA1122	14.658	0	0.000	0

Totals :

	2108301	2022.863

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.011
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-50A
Acquired : Apr 03, 1995 11:39:24
Printed : Apr 03, 1995 11:57:41
User : DQF



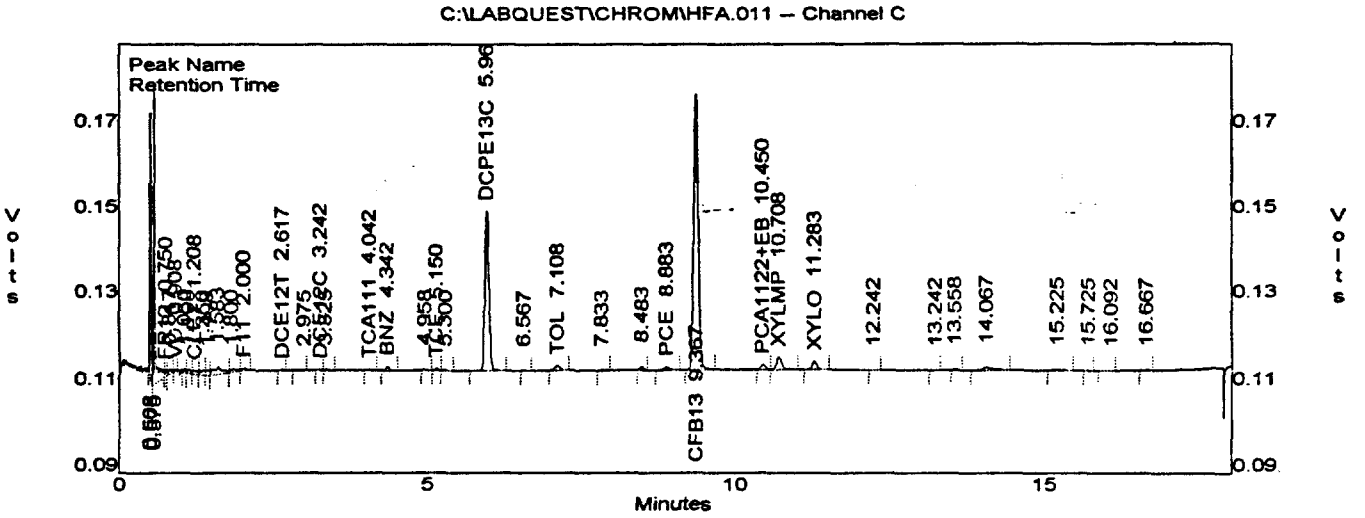
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
1	TCE	7.692	623	1.679	0
2	DCPE13C	9.742	14175	924.012	0
3	TOL	10.267	761	1.644 ✓	0
4	PCE	11.150	1290	5.257	0
5	CFB13	12.083	51631	958.182	0
6	EB	12.742	582	1.154 ✓	0
7	XYLMP	12.933	2006	3.194 ✓	0
8	XYLO	13.508	962	1.971 ✓	0
9		14.933	1882	0.000	0

Totals :

		73915	1897.093

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.011
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-50A
Acquired : Apr 03, 1995 11:39:24
Printed : Apr 03, 1995 11:57:42
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	71381	0.000	0
2		0.575	86213	0.000	0
3	FR12	0.750	3155	7.867	0
4		0.817	3810	0.000	0
5	VC	0.908	567	0.421	0
6		1.050	2430	0.000	0
7		1.108	3998	0.000	0
8	CLET	1.208	5015	4.019	0
9		1.350	5718	0.000	0
10		1.408	4822	0.000	0
11		1.583	17348	0.000	0
12		1.800	5399	0.000	0
13	~~F11~~ DCE11	2.000	2608	3.863	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
14	DCE12T	2.617	815	1.104	0
--	DCA11	2.725	0	0.000	0
15		2.975	607	0.000	0
16	DCE12C	3.242	718	0.888	0
17		3.325	1577	0.000	0
--	CLFM	3.430	0	0.000	0
--	DCA12	3.880	0	0.000	0
18	TCA111	4.042	1295	1.976	0
19	BNZ	4.342	3922	1.804	0
--	CBTC	4.458	0	0.000	0
20		4.958	1225	0.000	0
21	TCE	5.150	2189	2.331	0
22		5.300	892	0.000	0
23	DCPE13C	5.967	168137	928.092	0
24		6.567	577	0.000	0
--	TCA112	6.758	0	0.000	0
25	TOL	7.108	7416	2.435 J	0
26		7.833	1471	0.000	0

Continued...

File : C:\LABQUEST\CHROM\HFA.011
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-50A
Acquired : Apr 03, 1995 11:39:24
Printed : Apr 03, 1995 11:57:43
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
27		8.483	3762	0.000	0
28	PCE	8.883	5113	9.161	0
29	CFB13	9.367	348142	955.886	0
--	PCA1112	9.892	0	0.000	0
30	PCA1122+EB	10.450	6296	3.806	0
31	XYLMP	10.708	18705	5.314	0
32	XYLO	11.283	10642	2.595	0
33		12.242	577	0.000	0
34		13.242	728	0.000	0
35		13.558	1593	0.000	0
36		14.067	9143	0.000	0
37		15.225	2926	0.000	0
38		15.725	760	0.000	0
39		16.092	557	0.000	0
40		16.667	597	0.000	0
Totals :			812863	1931.564	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-01-60
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 60
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

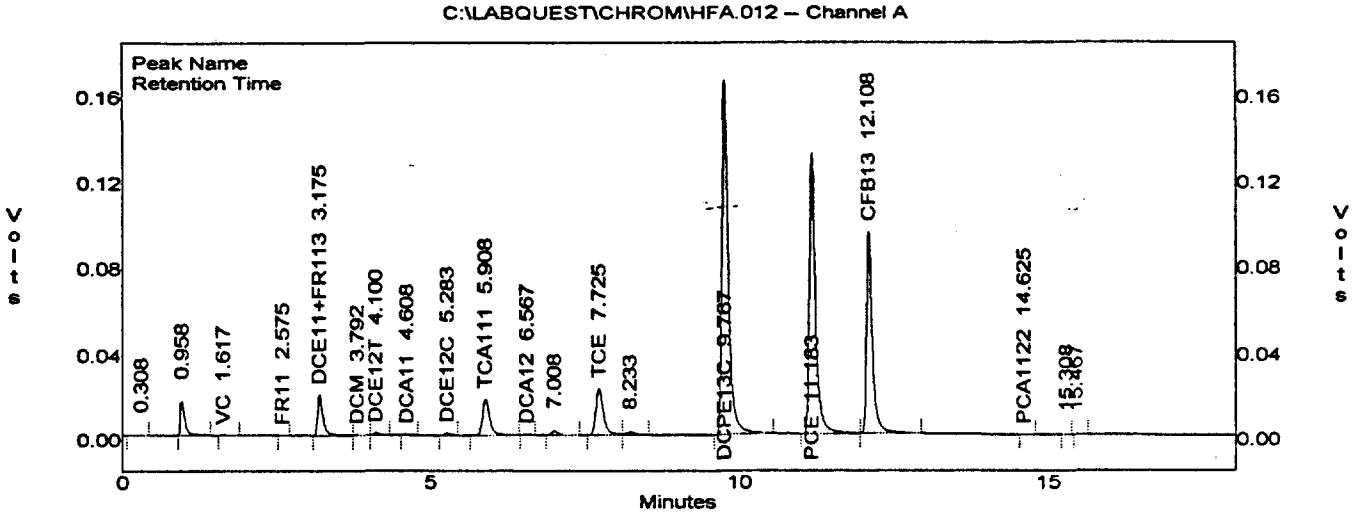
Analytical Summary

Chemist:Steve Chan
Date/Time: 4/3/95 9:19

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	11	
Vinyl Chloride	1.0			Benzene	1.0	<1	
Chloroethane	1.0			Toluene	1.0	1.3	
Freon 11	1.0			Ethylbenzene	1.0	<1	
Freon 113	1.0			m/p-Xylene	1.0	1.2	
Dichloromethane	1.0			o-Xylene	1.0	<1	
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0	13					
Carbon Tetrachloride	1.0	<1		% Surr(DCPE13C)ELCD		98	
12DCA	1.0	<1		% Surr(DCPE13T)ELCD			
TCE	1.0	16		% Surr(CFB13)ELCD		105	
112TCA	1.0	<1		% Surr(DCPE13C)PID		92	
PCE	1.0	80		% Surr(DCPE13T)PID			
1112PCA	1.0	<1		% Surr(CFB13)PID		94	
1122PCA	1.0	<1					

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.012
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-60A
Acquired : Apr 03, 1995 12:03:51
Printed : Apr 03, 1995 12:22:06
User : DQF



Channel A Results

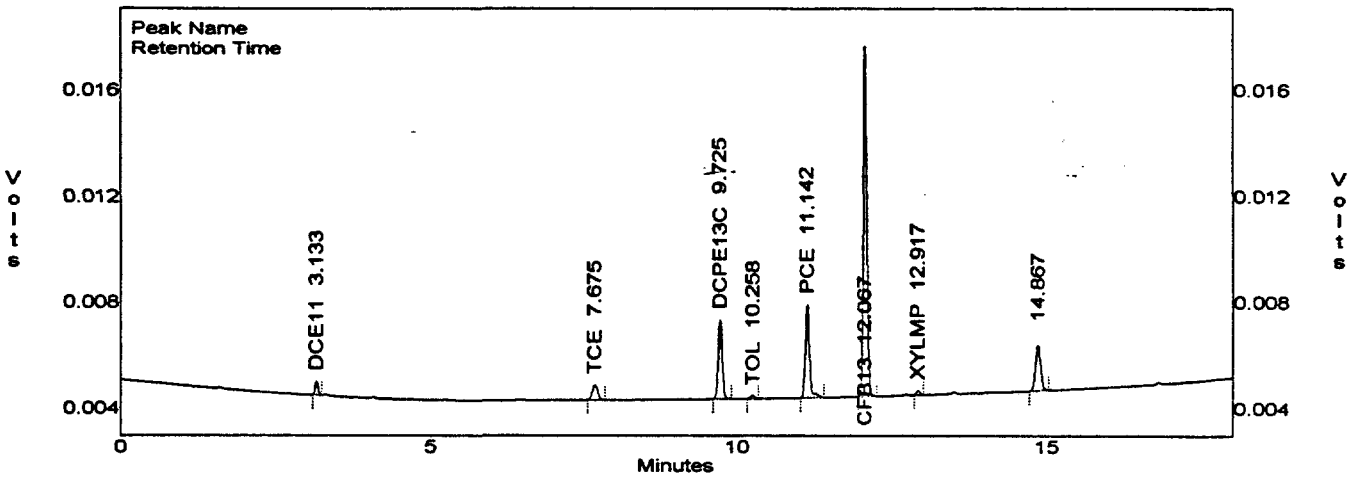
peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.308	815	0.000	0
2		0.958	86471	0.000	0
--	FR12	1.217	0	0.000	0
3	VC	1.617	2134	0.329	0
--	CLET	2.225	0	0.000	0
4	FR11	2.575	1213	0.156	0
5	DCE11+FR113	3.175	118343	20.099 No FR113	0
6	DCM	3.792	2506	0.318	0
7	DCE12T	4.100	6107	0.762	0
8	DCA11	4.608	2184	0.238	0
9	DCE12C	5.283	6196	0.792	0
--	CLFM	5.767	0	0.000	0
10	TCA111	5.908	136359	12.957 ✓	0
--	CBTC	6.167	0	0.000	0
11	DCA12	6.567	2990	0.376	0
12		7.008	15216	0.000	0
13	TCE	7.725	191214	15.684 ✓	0
14		8.233	11770	0.000	0
15	DCPE13C	9.767	1186638	980.956	0
--	TCA112	11.117	0	0.000	0
16	PCE	11.183	920447	79.779 ✓	0
17	CFB13	12.108	626566	1054.686	0
--	PCA1112	12.767	0	0.000	0
18	PCA1122	14.625	781	0.095	0
19		15.308	601	0.000	0
20		15.467	621	0.000	0

Totals :

	3319181	2167.227

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA.012
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-60A
Acquired : Apr 03, 1995 12:03:51
Printed : Apr 03, 1995 12:22:08
User : DQF

C:\LABQUEST\CHROM\HFA.012 – Channel B



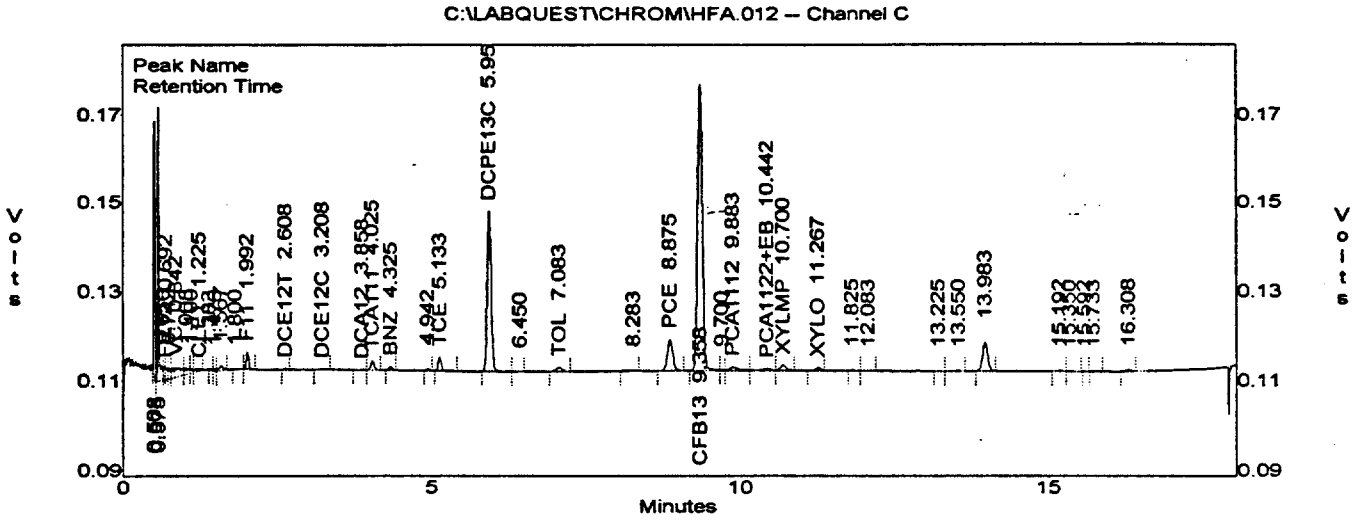
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
1	DCE11	3.133	1902	11.008	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
2	TCE	7.675	3685	9.926	0
3	DCPE13C	9.725	14096	918.879	0
4	TOL	10.258	605	1.307	0
5	PCE	11.142	16434	66.951	0
6	CFB13	12.067	50799	942.751	0
--	EB	12.775	0	0.000	0
7	XYLMP	12.917	729	1.161	0
--	XYLO	13.533	0	0.000	0
8		14.867	10184	0.000	0

Totals :

	98437	1951.983

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA.012
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-60A
Acquired : Apr 03, 1995 12:03:51
Printed : Apr 03, 1995 12:22:09
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	71279	0.000	0
2		0.575	73560	0.000	0
3		0.650	5532	0.000	0
4	FR12	0.692	5998	14.954	0
5		0.742	7068	0.000	0
6	VC	0.842	20659	15.337	0
7		1.008	7208	0.000	0
8		1.100	3138	0.000	0
9	CLET	1.225	4589	3.678	0
10		1.383	939	0.000	0
11		1.475	1104	0.000	0
12		1.567	4745	0.000	0
13		1.800	954	0.000	0
14	~~F11~~ PCE11	1.992	11260	16.674	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
15	DCE12T	2.608	673	0.911	0
--	DCA11	2.725	0	0.000	0
16	DCE12C	3.208	1342	1.659	0
--	CLFM	3.430	0	0.000	0
17	DCA12	3.858	749	0.903	0
18	TCA111	4.025	8887	13.558	0
19	BNZ	4.325	3289	1.513	0
--	CBTC	4.458	0	0.000	0
20		4.942	1246	0.000	0
21	TCE	5.133	11916	12.683	0
22	DCPE13C	5.950	161776	892.982	0
23		6.450	619	0.000	0
--	TCA112	6.758	0	0.000	0
24	TOL	7.083	6772	2.223	0
25		8.283	1269	0.000	0
26	PCE	8.875	43665	78.228	0
27	CFB13	9.358	353075	969.431	0

Continued...

File : C:\LABQUEST\CHROM\HFA.012
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-01-60A
quired : Apr 03, 1995 12:03:51
inted : Apr 03, 1995 12:22:10
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
28		9.700	753	0.000	0
29	PCA1112	9.883	7253	13.526	0
30	PCA1122+EB	10.442	2929	1.771	0
31	XYLMP	10.700	7194	2.044	0
32	XYLO	11.267	3653	0.891	0
33		11.825	747	0.000	0
34		12.083	741	0.000	0
35		13.225	503	0.000	0
36		13.550	1000	0.000	0
37		13.983	38163	0.000	0
38		15.192	1807	0.000	0
39		15.350	1061	0.000	0
40		15.592	675	0.000	0
41		15.733	599	0.000	0
42		16.308	1977	0.000	0
Totals :			882383	2042.965	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-02-10
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 10
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

Analytical Summary

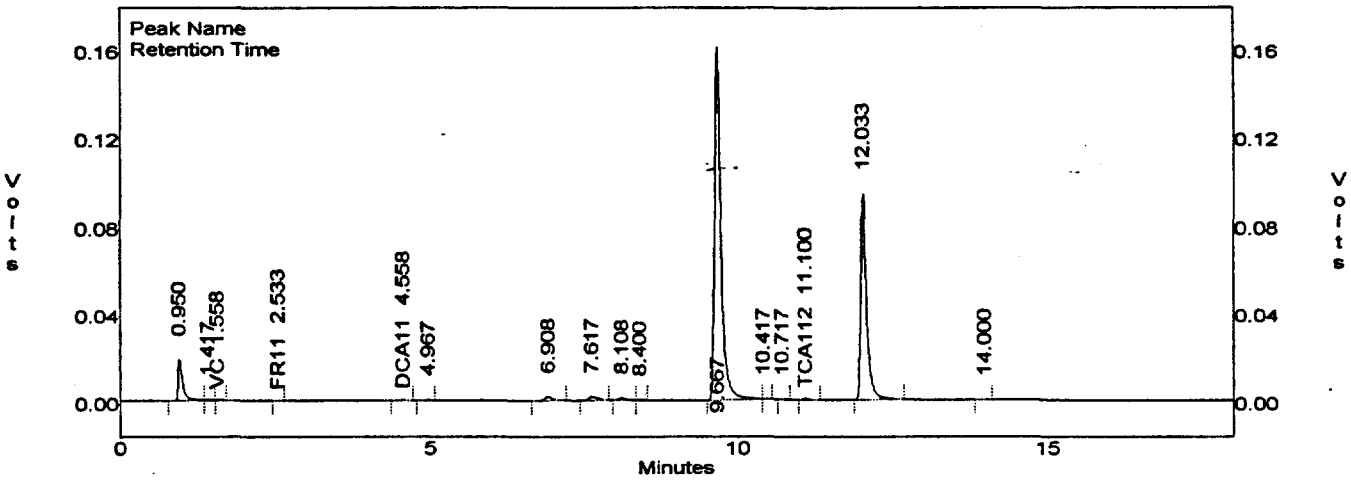
Chemist:Steve Chan
Date/Time: 4/3/95 14:05

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	<1	
Vinyl Chloride	1.0			Benzene	1.0		
Chloroethane	1.0			Toluene	1.0		
Freon 11	1.0			Ethylbenzene	1.0		
Freon 113	1.0			m/p-Xylene	1.0		
Dichloromethane	1.0			o-Xylene	1.0		
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0						
Carbon Tetrachloride	1.0			% Surr(DCPE13C)ELCD		97	
12DCA	1.0			% Surr(DCPE13T)ELCD			
TCE	1.0			% Surr(CFB13)ELCD		103	
112TCA	1.0			% Surr(DCPE13C)PID		96	
PCE	1.0			% Surr(DCPE13T)PID			
1112PCA	1.0			% Surr(CFB13)PID		95	
1122PCA	1.0						

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.015
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-10a
Acquired : Apr 03, 1995 14:05:36
Printed : Apr 03, 1995 14:23:52
User : DQF

C:\LABQUEST\CHROM\HFA.015 -- Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf	
1		0.950	96729	0.000		0
--	FR12	1.217	0	0.000		0
2		1.417	2652	0.000		0
3	VC	1.558	1905	0.293		0
--	CLET	2.225	0	0.000		0
4	FR11	2.533	738	0.095		0
--	DCE11+FR113	3.208	0	0.000		0
--	DCM	3.817	0	0.000		0
--	DCE12T	4.125	0	0.000		0
5	DCA11	4.558	1518	0.166		0
6		4.967	1081	0.000		0
--	DCE12C	5.317	0	0.000		0
--	CLFM	5.767	0	0.000		0
--	TCA111	5.942	0	0.000		0
--	CBTC	6.167	0	0.000		0
--	DCA12	6.600	0	0.000		0
7		6.908	14031	0.000		0 ?
8		7.617	16175	0.000	1.326 ✓	0
--	TCE	7.783	0	0.000		0
9		8.108	8061	0.000		0
10		8.400	532	0.000		0
11		9.667	1172801	0.000	969.6	0
--	DCPE13C	9.817	0	0.000		0
12		10.417	1167	0.000		0
13		10.717	903	0.000		0
14	TCA112	11.100	3886	0.573	0.337	0
--	PCE	11.225	0	0.000		0
15		12.033	610187	0.000	1027	0
--	CFB13	12.150	0	0.000		0
--	PCA1112	12.767	0	0.000		0
16		14.000	643	0.000		0
--	PCA1122	14.658	0	0.000		0

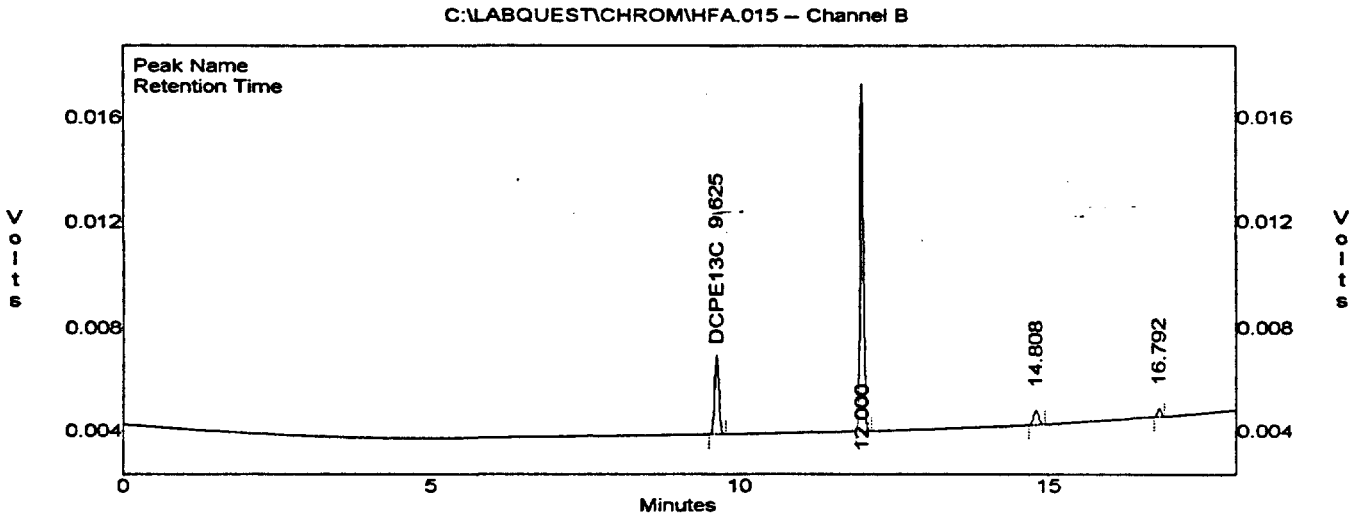
Continued...

File : C:\LABQUEST\CHROM\HFA.015
ethod : C:\LABQUEST\METHODS\HFA.MET
ample ID : CPT-02-10a
uired : Apr 03, 1995 14:05:36
nted : Apr 03, 1995 14:23:54
ser : DQF

hannel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
otals :					
			1933013	1.127	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.015
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-10a
Acquired : Apr 03, 1995 14:05:36
Printed : Apr 03, 1995 14:23:54
User : DQF



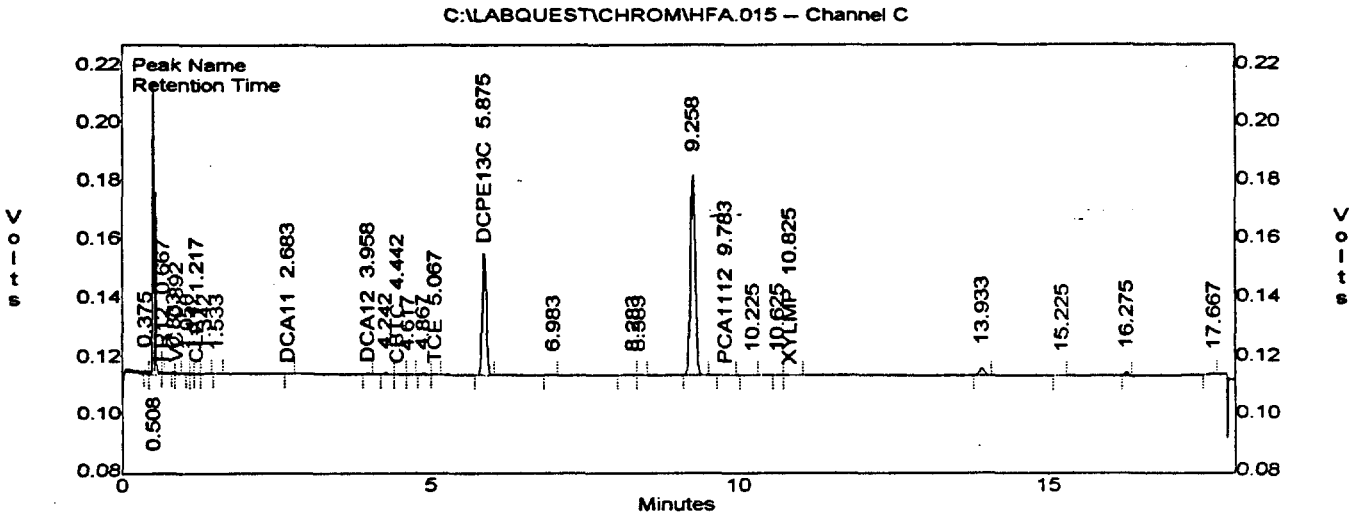
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
--	TCE	7.742	0	0.000	0
1	DCPE13C	9.625	14677	956.735	0
--	TOL	10.300	0	0.000	0
--	PCE	11.183	0	0.000	0
2		12.000	51307	0.000 952.17	0
--	CFB13	12.108	0	0.000	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
3		14.808	3182	0.000	0
4		16.792	1346	0.000	0

Totals :

	70512	956.735

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.015
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-10a
Acquired : Apr 03, 1995 14:05:36
Printed : Apr 03, 1995 14:23:56
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.375	3192	0.000	0
2		0.508	208064	0.000	0
3	FR12	0.667	1149	3.928	0
4		0.833	1058	0.000	0
5	VC	0.892	2785	2.068	0
6		1.050	1053	0.000	0
7		1.142	1984	0.000	0
8	CLET	1.217	2578	2.066	0
9		1.342	1935	0.000	0
10		1.533	575	0.000	0
--	F11	1.658	0	0.000	0
--	DCE11	2.000	0	0.000	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
--	DCE12T	2.617	0	0.000	0
11	DCA11	2.683	589	0.682	0
--	DCE12C	3.240	0	0.000	0
--	CLFM	3.430	0	0.000	0
12	DCA12	3.958	1531	1.847	0
--	TCA111	4.040	0	0.000	0
13		4.242	2780	0.000	0
--	BNZ	4.350	0	0.000	0
14	CBTC	4.442	673	2.918	0
15		4.617	517	0.000	0
16		4.867	1776	0.000	0
17	TCE	5.067	1200	1.278	0
18	DCPE13C	5.875	183508	1012.938	0
--	TCA112	6.758	0	0.000	0
19		6.983	1250	0.000	0
--	TOL	7.117	0	0.000	0
20		8.283	1872	0.000	0
21		8.383	943	0.000	0
--	PCE	8.917	0	0.000	0

Continued...

File : C:\LABQUEST\CHROM\HFA.015
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-10a
Acquired : Apr 03, 1995 14:05:36
Printed : Apr 03, 1995 14:23:57
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
22		9.258	375214	0.000	1030.[illegible] 0
--	CFB13	9.392	0	0.000	0
23	PCA1112	9.783	1455	2.715	0
24		10.225	696	0.000	0
--	PCA1122+EB	10.483	0	0.000	0
25		10.625	798	0.000	0
26	XYLMP	10.825	852	0.242	0
--	XYLO	11.308	0	0.000	0
27		13.933	13282	0.000	0
28		15.225	799	0.000	0
29		16.275	4706	0.000	0
30		17.667	1471	0.000	0

Totals :

820298 1030.682

HYDRO GEO CHEM, INC.
Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-02-20
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 20
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

Analytical Summary

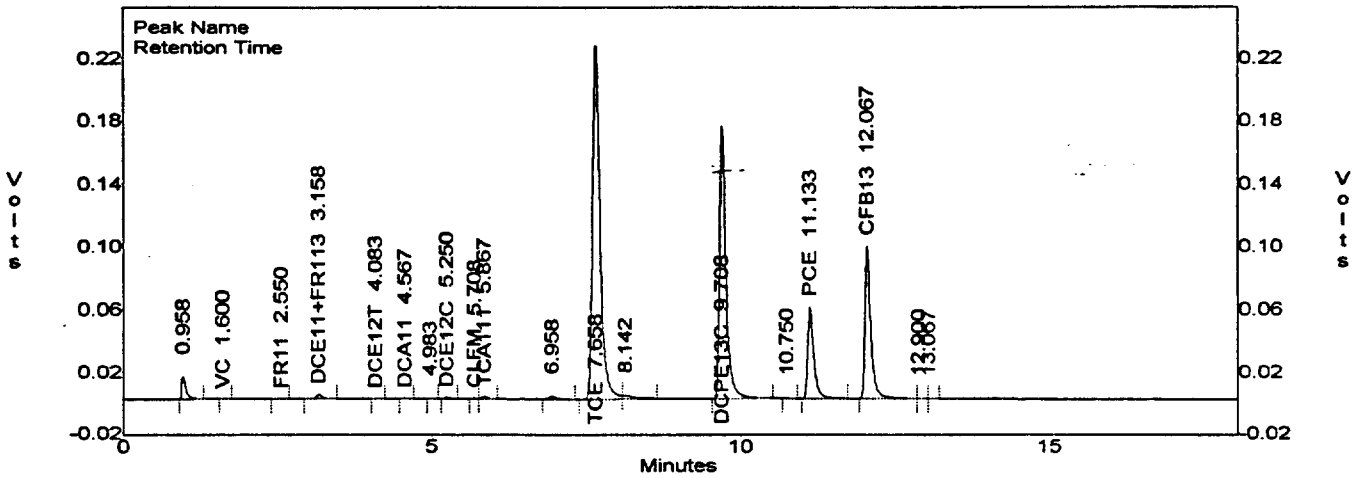
Chemist: ~~Steve Chan~~
Date/Time: 4/3/95 14:10

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1		11DCE	1.0	<1	
Vinyl Chloride	1.0			Benzene	1.0		
Chloroethane	1.0			Toluene	1.0		
Freon 11	1.0			Ethylbenzene	1.0		
Freon 113	1.0			m/p-Xylene	1.0		
Dichloromethane	1.0			o-Xylene	1.0		
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0						
Carbon Tetrachloride	1.0			% Surr(DCPE13C)ELCD		104	
12DCA	1.0			% Surr(DCPE13T)ELCD			
TCE	1.0	160		% Surr(CFB13)ELCD		109	
112TCA	1.0	<1		% Surr(DCPE13C)PID		100	
PCE	1.0	36		% Surr(DCPE13T)PID			
1112PCA	1.0	<1		% Surr(CFB13)PID		99	
1122PCA	1.0	<1					

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.016
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-20a
Acquired : Apr 03, 1995 14:30:00
Printed : Apr 03, 1995 14:51:19
User : DQF

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



Channel A Results

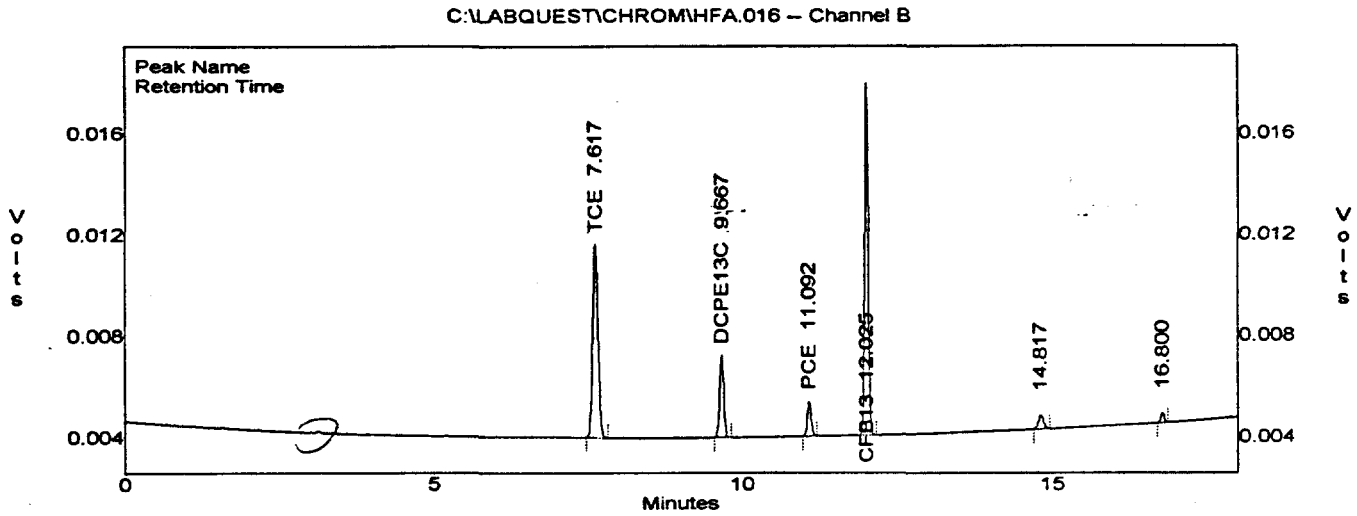
peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.958	71939	0.000	0
--	FR12	1.217	0	0.000	0
2	VC	1.600	1266	0.195	0
--	CLET	2.225	0	0.000	0
3	FR11	2.550	1573	0.203	0
4	DCE11+FR113	3.158	18473	3.137	0
--	DCM	3.817	0	0.000	0
5	DCE12T	4.083	691	0.086	0
6	DCA11	4.567	2584	0.282	0
7		4.983	645	0.000	0
8	DCE12C	5.250	5381	0.688	0
9	CLFM	5.708	2298	0.256	0
10	TCA111	5.867	9588	0.911	0
--	CBTC	6.167	0	0.000	0
--	DCA12	6.600	0	0.000	0
11		6.958	16227	0.000	0
12	TCE	7.658	1906439	156.371	0
13		8.142	26626	0.000	0
14	DCPE13C	9.708	1253113	1035.908	0
15		10.750	1307	0.000	0
--	TCA112	11.089	0	0.000	0
16	PCE	11.133	412543	35.757	0
17	CFB13	12.067	646928	1088.961	0
--	PCA1112	12.767	0	0.000	0
18		12.900	916	0.000	0
19		13.067	659	0.000	0
--	PCA1122	14.658	0	0.000	0

No FR113.

Totals :

		4379205	2322.755

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.016
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-20a
Acquired : Apr 03, 1995 14:30:00
Printed : Apr 03, 1995 14:51:22
User : DQF

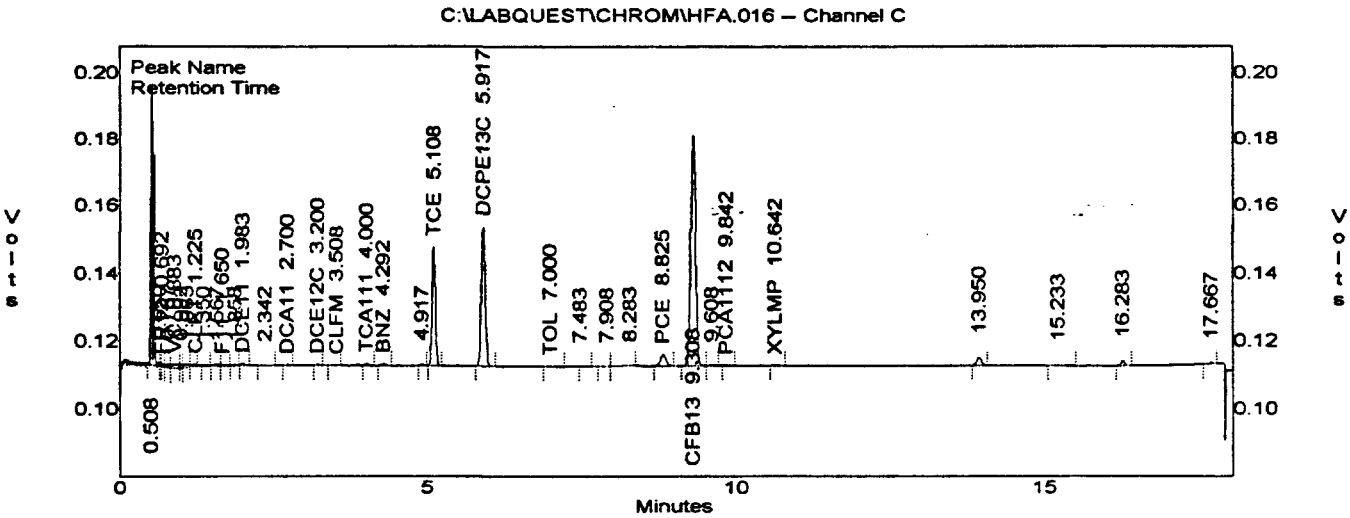


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
1	TCE	7.617	44837	120.757	0
2	DCPE13C	9.667	15268	995.243	0
--	TOL	10.300	0	0.000	0
3	PCE	11.092	6225	25.361	0
4	CFB13	12.025	53456	992.051	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
5		14.817	3197	0.000	0
6		16.800	1453	0.000	0

Totals : 124437 2133.412

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.016
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-20a
Acquired : Apr 03, 1995 14:30:00
Printed : Apr 03, 1995 14:51:23
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	183520	0.000	0
2		0.650	1723	0.000	0
3	FR12	0.692	1491	5.096	0
4		0.767	4281	0.000	0
5	VC	0.883	8440	6.266	0
6		0.992	3037	0.000	0
7		1.083	5105	0.000	0
8	CLET	1.225	2757	2.210	0
9		1.350	2459	0.000	0
10		1.567	1863	0.000	0
11	F11	1.650	1613	12.011	0
12		1.858	1174	0.000	0
13	DCE11	1.983	2060	2.678	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
14		2.342	587	0.000	0
--	DCE12T	2.617	0	0.000	0
15	DCA11	2.700	628	0.728	0
16	DCE12C	3.200	841	1.041	0
17	CLFM	3.508	561	1.819	0
--	DCA12	3.880	0	0.000	0
18	TCA111	4.000	2347	3.581	0
19	BNZ	4.292	2526	1.162	0
--	CBTC	4.458	0	0.000	0
20		4.917	1195	0.000	0
21	TCE	5.108	127973	136.211	0
22	DCPE13C	5.917	180418	995.881	0
--	TCA112	6.758	0	0.000	0
23	TOL	7.000	1188	0.390	0
24		7.483	790	0.000	0
25		7.908	801	0.000	0
26		8.283	1609	0.000	0
27	PCE	8.825	21334	38.222	0

Continued...

File : C:\LABQUEST\CHROM\HFA.016
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : CPT-02-20a
Acquired : Apr 03, 1995 14:30:00
Printed : Apr 03, 1995 14:51:25
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
28	CFB13	9.308	370656	1017.701	0
29		9.608	604	0.000	0
30	PCA1112	9.842	764	1.426	0
--	PCA1122+EB	10.483	0	0.000	0
31	XYLMP	10.642	945	0.268	0
--	XYLO	11.308	0	0.000	0
32		13.950	13266	0.000	0
33		15.233	2922	0.000	0
34		16.283	5524	0.000	0
35		17.667	1455	0.000	0
Totals :			958472	2226.691	

HYDRO GEO CHEM, INC.

Field Data Sheet

Project Name:HFA/El Monte
Project No. : L1154

Sample I.D.: CPT-20-30
Time Sampled:
Date Sampled:03/ /95

Probe Depth (ft): 30
Sampled by:
Matrix: (X) SG ( ) Water ( ) Soil

Field Prameters

Weather:
Air Temp. (F):

Ground Surface:
Wind dir/speed:

Sample Parameters

Probe Volume (ml):
Purge Volume (liters):
Purge Time (min.):
Notes:

Max. Purge Vacuum (in. Hg):
Equilibrium Time:
Sample Volume (ml):

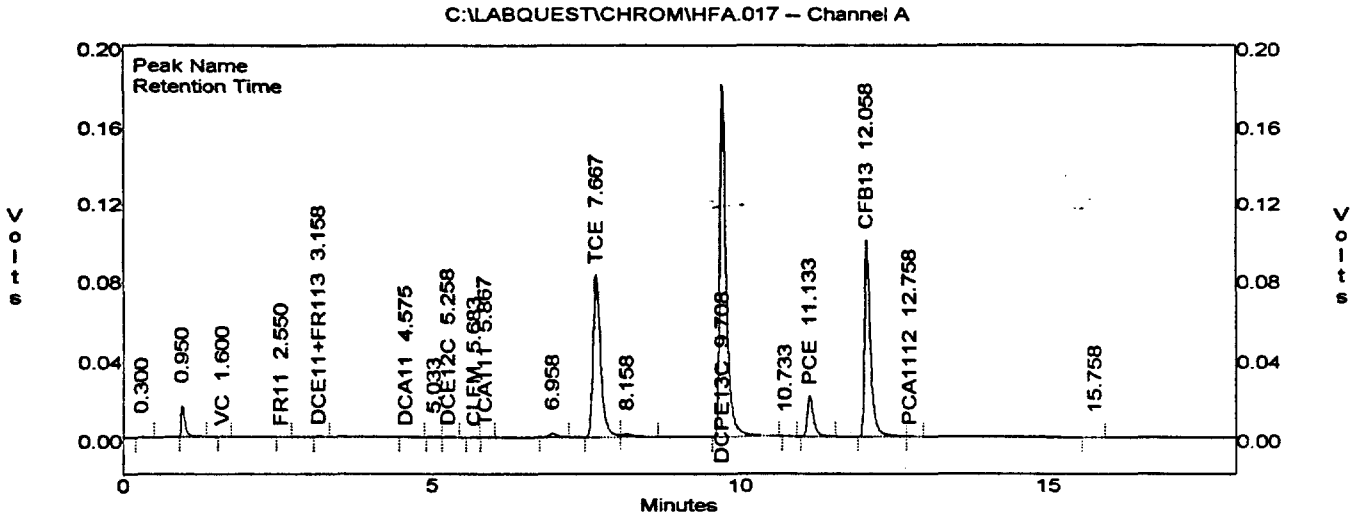
Analytical Summary

Chemist: ~~Steve Chan~~
Date/Time: 4/3/95 14:18

Volume Analyzed (ml): 1.0 ml
Unit: 1 ug/L

Compound	L.O.D. ug/L	Concentration(ug/L)		Compound	L.O.D ug/L	Concentration(ug/L)	
Freon 12	1.0	<1	<1	11DCE	1.0	<1	<1
Vinyl Chloride	1.0			Benzene	1.0		
Chloroethane	1.0			Toluene	1.0		
Freon 11	1.0			Ethylbenzene	1.0		
Freon 113	1.0			m/p-Xylene	1.0		
Dichloromethane	1.0			o-Xylene	1.0		
t-12DCE	1.0						
11DCA	1.0						
c-12DCE	1.0						
Chloroform	1.0						
111TCA	1.0						
Carbon Tetrachloride	1.0			% Surr(DCPE13C)ELCD		107	104
12DCA	1.0			% Surr(DCPE13T)ELCD			
TCE	1.0	57	69	% Surr(CFB13)ELCD		109	106
112TCA	1.0	<1	<1	% Surr(DCPE13C)PID		101	99
PCE	1.0	12	16	% Surr(DCPE13T)PID			
1112PCA	1.0	<1	<1	% Surr(CFB13)PID		102	100
1122PCA	1.0	<1	<1				

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.017
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30a
Acquired : Apr 03, 1995 14:55:18
Printed : Apr 03, 1995 15:13:34
User : DQF



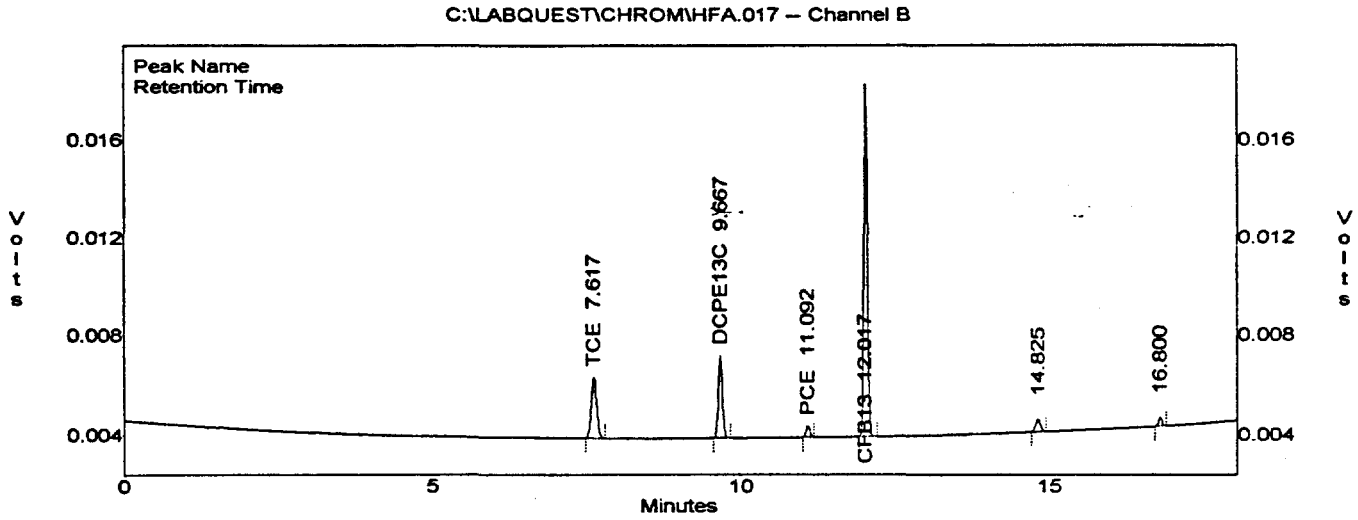
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.300	648	0.000	0
2		0.950	72658	0.000	0
--	FR12	1.217	0	0.000	0
3	VC	1.600	1242	0.191	0
--	CLET	2.225	0	0.000	0
4	FR11	2.550	918	0.118	0
5	DCE11+FR113	3.158	4523	0.768	0
--	DCM	3.817	0	0.000	0
--	DCE12T	4.125	0	0.000	0
6	DCA11	4.575	2067	0.226	0
7		5.033	1211	0.000	0
8	DCE12C	5.258	2990	0.382	0
9	CLFM	5.683	1310	0.146	0
10	TCA111	5.867	2352	0.224	0
--	CBTC	6.167	0	0.000	0
--	DCA12	6.600	0	0.000	0
11		6.958	14984	0.000	0
12	TCE	7.667	694320	56.950 ✓	0
13		8.158	19500	0.000	0
14	DCPE13C	9.708	1299961	1074.636	0
15		10.733	1510	0.000	0
--	TCA112	11.089	0	0.000	0
16	PCE	11.133	141079	12.228 ✓	0
17	CFB13	12.058	646215	1087.761	0
18	PCA1112	12.758	1918	0.179	0
--	PCA1122	14.658	0	0.000	0
19		15.758	1059	0.000	0

Totals :

	2910473	2233.810

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.017
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30a
Acquired : Apr 03, 1995 14:55:18
Printed : Apr 03, 1995 15:13:35
User : DQF



Channel B Results

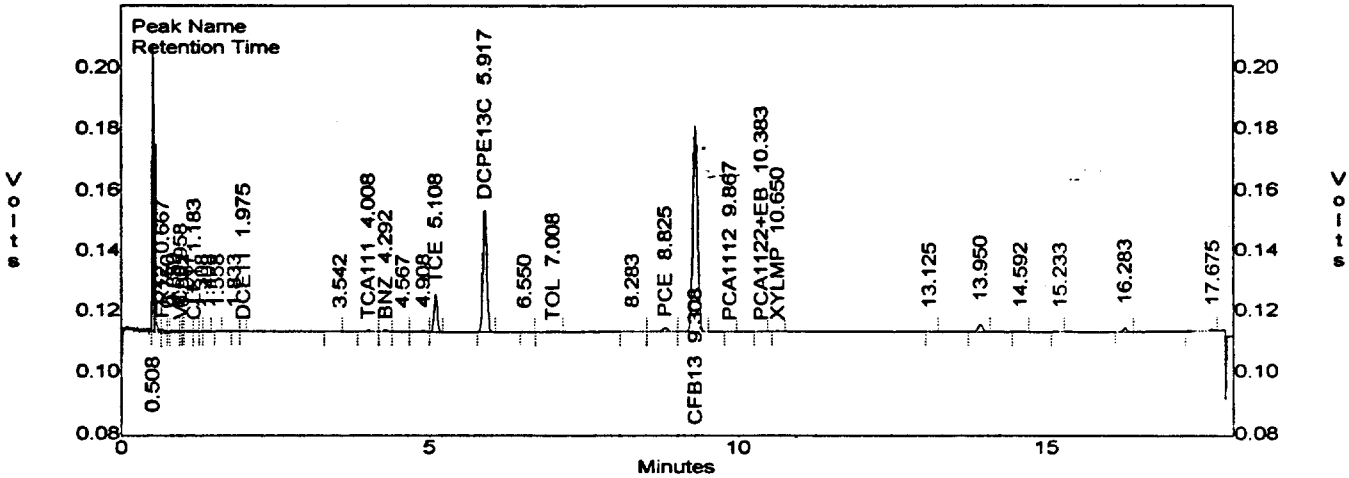
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
1	TCE	7.617	14816	39.904	0
2	DCPE13C	9.667	15517	1011.474	0
--	TOL	10.300	0	0.000	0
3	PCE	11.092	1977	8.055	0
4	CFB13	12.017	54964	1020.037	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
5		14.825	2873	0.000	0
6		16.800	1400	0.000	0

Totals :

			91548	2079.470	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.017
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30a
Acquired : Apr 03, 1995 14:55:18
Printed : Apr 03, 1995 15:13:37
User : DQF

C:\LABQUEST\CHROM\HFA.017 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.508	192492	0.000	0
2	FR12	0.667	4911	16.783	0
3		0.750	1287	0.000	0
4		0.850	5932	0.000	0
5	VC	0.958	1462	1.085	0
6		0.992	1251	0.000	0
7		1.067	4064	0.000	0
8	CLET	1.183	2285	1.832	0
9		1.308	1007	0.000	0
10		1.408	2215	0.000	0
11		1.558	718	0.000	0
--	F11	1.658	0	0.000	0
12		1.833	607	0.000	0
13	DCE11	1.975	686	0.892	0
--	DCM	2.092	0	0.000	0
--	FR113	2.258	0	0.000	0
--	DCE12T	2.617	0	0.000	0
--	DCA11	2.725	0	0.000	0
--	DCE12C	3.240	0	0.000	0
--	CLFM	3.430	0	0.000	0
14		3.542	723	0.000	0
--	DCA12	3.880	0	0.000	0
15	TCA111	4.008	2309	3.523	0
16	BNZ	4.292	2894	1.332	0
--	CBTC	4.458	0	0.000	0
17		4.567	926	0.000	0
18		4.908	1994	0.000	0
19	TCE	5.108	46377	49.362	0
20	DCPE13C	5.917	178052	982.824	0
21		6.550	544	0.000	0
--	TCA112	6.758	0	0.000	0
22	TOL	7.008	3137	1.030	0
23		8.283	2724	0.000	0

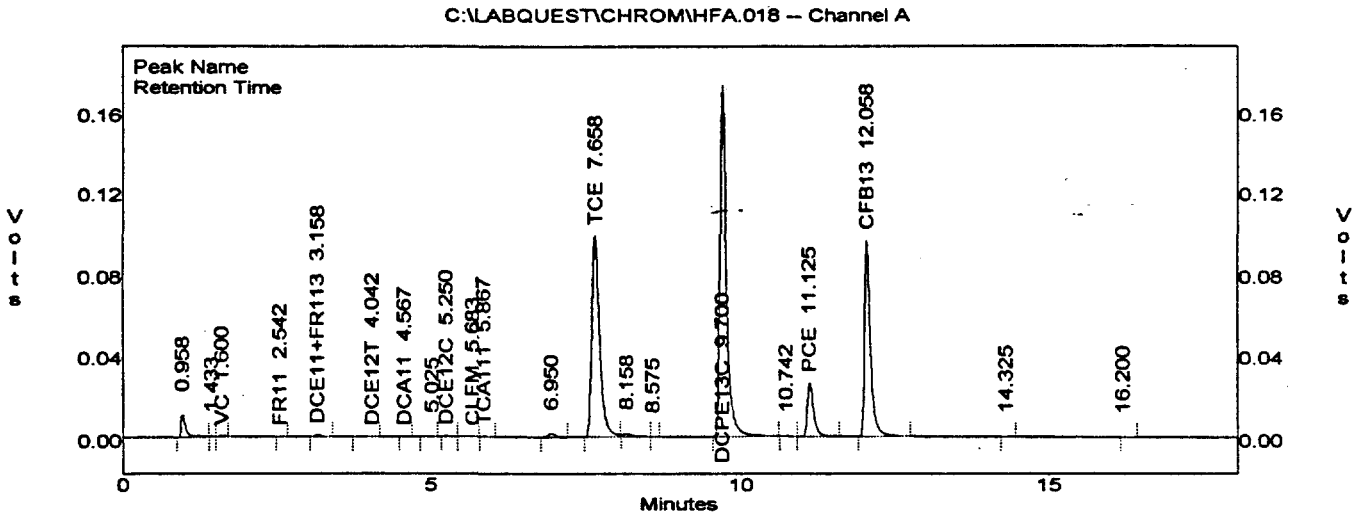
Continued...

File : C:\LABQUEST\CHROM\HFA.017
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30a
Acquired : Apr 03, 1995 14:55:18
Printed : Apr 03, 1995 15:13:38
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24	PCE	8.825	8341	14.943	0
25	CFB13	9.308	365434	1003.364	0
26	PCA1112	9.867	708	1.321	0
27	PCA1122+EB	10.383	677	0.410	0
28	XYLMP	10.650	1398	0.397	0
--	XYLO	11.308	0	0.000	0
29		13.125	599	0.000	0
30		13.950	12937	0.000	0
31		14.592	803	0.000	0
32		15.233	946	0.000	0
33		16.283	5394	0.000	0
34		17.675	1555	0.000	0
Totals :			857403	2079.098	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.018
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30b
Acquired : Apr 03, 1995 15:19:39
Printed : Apr 03, 1995 15:37:54
User : DQF



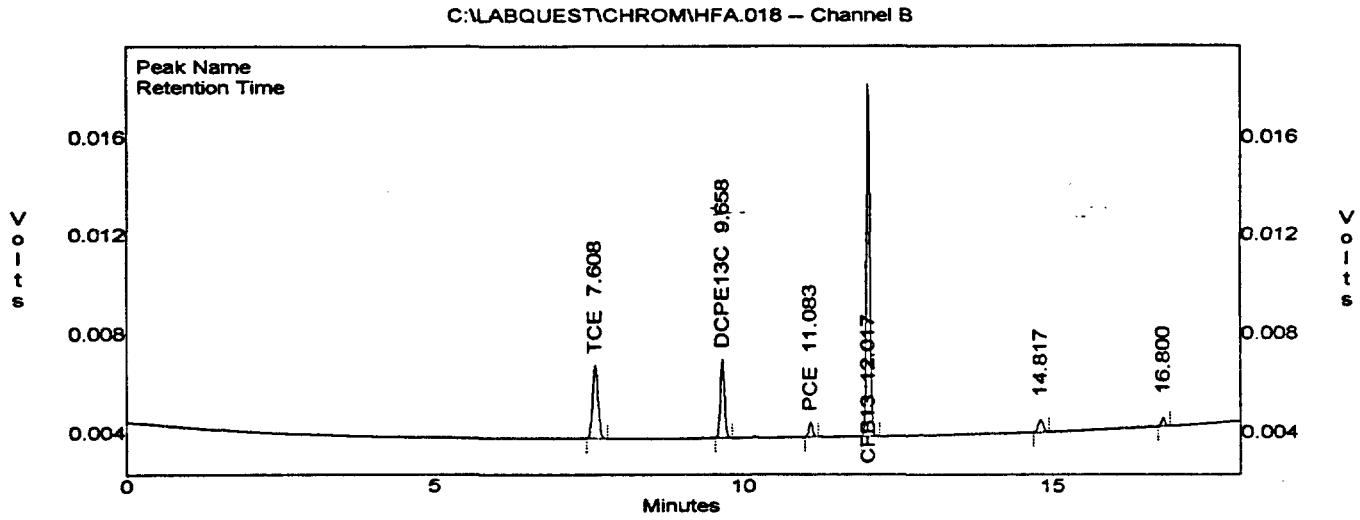
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.958	56198	0.000	0
--	FR12	1.217	0	0.000	0
2		1.433	1080	0.000	0
3	VC	1.600	1970	0.303	0
--	CLET	2.225	0	0.000	0
4	FR11	2.542	718	0.093	0
5	DCE11+FR113	3.158	6362	1.081	0
--	DCM	3.817	0	0.000	0
6	DCE12T	4.042	1293	0.161	0
7	DCA11	4.567	868	0.095	0
8		5.025	915	0.000	0
9	DCE12C	5.250	3031	0.388	0
10	CLFM	5.683	1810	0.202	0
11	TCA111	5.867	2647	0.252	0
--	CBTC	6.167	0	0.000	0
--	DCA12	6.600	0	0.000	0
12		6.950	14997	0.000	0
13	TCE	7.658	844833	69.295	0
14		8.158	18577	0.000	0
15		8.575	827	0.000	0
16	DCPE13C	9.700	1258213	1040.124	0
17		10.742	1482	0.000	0
--	TCA112	11.089	0	0.000	0
18	PCE	11.125	181605	15.741	0
19	CFB13	12.058	630112	1060.655	0
--	PCA1112	12.767	0	0.000	0
20		14.325	571	0.000	0
--	PCA1122	14.658	0	0.000	0
21		16.200	529	0.000	0

Totals :

	3028647	2188.388

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.018
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30b
Acquired : Apr 03, 1995 15:19:39
Printed : Apr 03, 1995 15:37:56
User : DQF



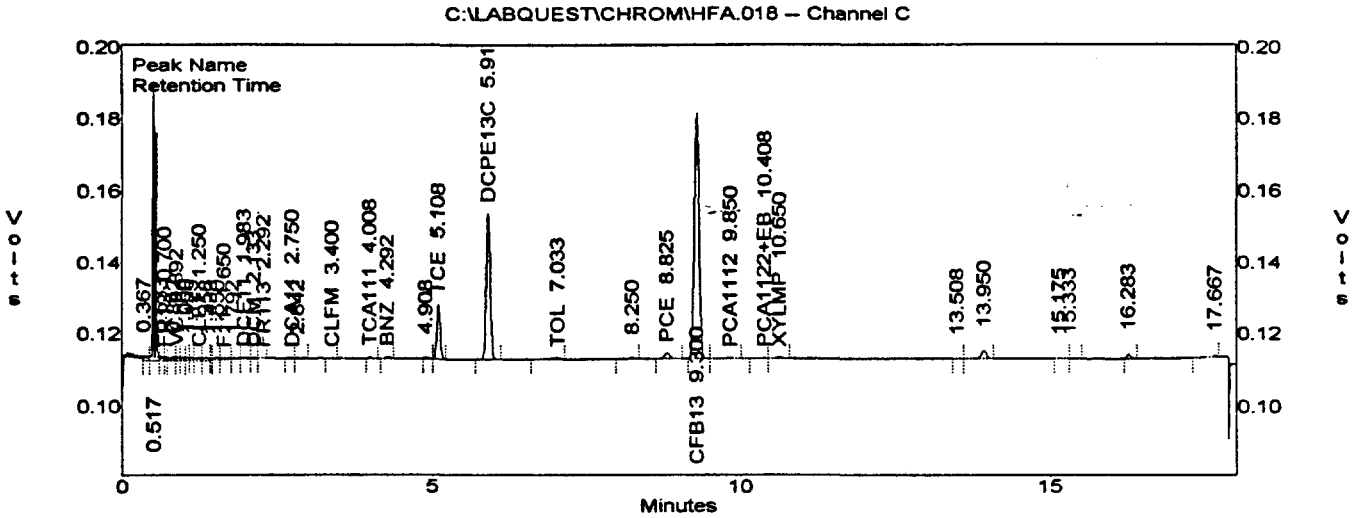
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.600	0	0.000	0
--	DCE11	3.158	0	0.000	0
--	DCE12T	4.083	0	0.000	0
--	DCE12C	5.275	0	0.000	0
--	BNZ	6.475	0	0.000	0
1	TCE	7.608	18153	48.890	0
2	DCPE13C	9.658	15171	988.936	0
--	TOL	10.300	0	0.000	0
3	PCE	11.083	2673	10.891	0
4	CFB13	12.017	53903	1000.346	0
--	EB	12.775	0	0.000	0
--	XYLMP	12.967	0	0.000	0
--	XYLO	13.533	0	0.000	0
5		14.817	2880	0.000	0
6		16.800	1378	0.000	0

Totals :

			94160	2049.064	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.018
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30b
Acquired : Apr 03, 1995 15:19:39
Printed : Apr 03, 1995 15:37:57
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.367	5792	0.000	0
2		0.517	170159	0.000	0
3		0.633	4078	0.000	0
4	FR12	0.700	1674	5.721	0
5		0.842	5977	0.000	0
6	VC	0.892	3870	2.874	0
7		1.000	3772	0.000	0
8		1.050	2997	0.000	0
9		1.125	3387	0.000	0
10	CLET	1.250	5134	4.114	0
11		1.358	5599	0.000	0
12		1.433	1116	0.000	0
13		1.550	4205	0.000	0
14	F11	1.650	4928	36.677	0
15		1.792	2937	0.000	0
16	DCE11	1.983	2947	3.830	0
17	DCM	2.133	980	2.484	0
18	FR113	2.292	546	1.505	0
--	DCE12T	2.617	0	0.000	0
19	DCA11	2.750	730	0.846	0
20		2.842	648	0.000	0
--	DCE12C	3.240	0	0.000	0
21	CLFM	3.400	532	1.728	0
--	DCA12	3.880	0	0.000	0
22	TCA111	4.008	1608	2.453	0
23	BNZ	4.292	2683	1.234	0
--	CBTC	4.458	0	0.000	0
24		4.908	1429	0.000	0
25	TCE	5.108	54999	58.539	0
26	DCPE13C	5.917	181241	1000.427	0
--	TCA112	6.758	0	0.000	0
27	TOL	7.033	4429	1.454	0
28		8.250	1807	0.000	0

Continued...

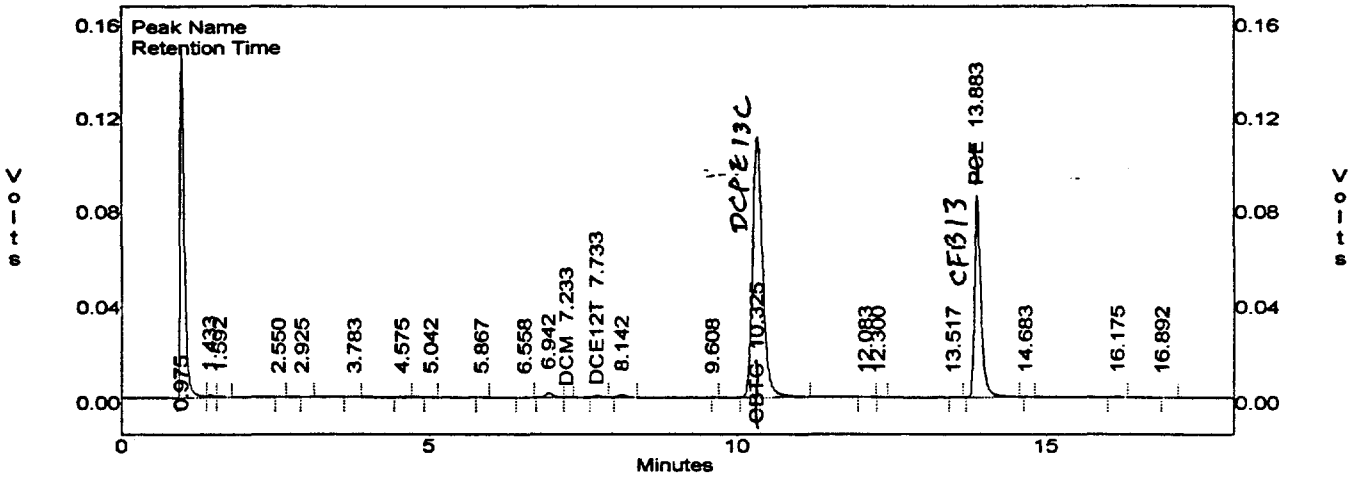
File : C:\LABQUEST\CHROM\HFA.018
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : cpt-02-30b
quired : Apr 03, 1995 15:19:39
nted : Apr 03, 1995 15:37:59
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
29	PCE	8.825	10721	19.208	0
30	CFB13	9.300	370085	1016.134	0
31	PCA1112	9.850	2813	5.247	0
32	PCA1122+EB	10.408	1468	0.888	0
33	XYLMP	10.650	2742	0.779	0
--	XYLO	11.308	0	0.000	0
34		13.508	537	0.000	0
35		13.950	13311	0.000	0
36		15.175	1630	0.000	0
37		15.333	834	0.000	0
38		16.283	5096	0.000	0
39		17.667	1660	0.000	0
Totals :			891119	2166.142	

Hydro Geo Chem, Inc.
Fugro West L1123
Channel A: HECD
File : C:\LABQUEST\CHROM\HFA001
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : SB950403A
Acquired : Apr 03, 1995 ~~06~~ 07:18:45
Printed : Apr 03, 1995 06:37:02
User : DQF

C:\LABQUEST\CHROM\HFA001 -- Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.975	694603	0.000	0
2		1.433	7276	0.000	0
3		1.592	2802	0.000	0
4		2.550	602	0.000	0
5		2.925	540	0.000	0
--	FR12	3.417	0	0.000	0
6		3.783	600	0.000	0
--	VC	4.008	0	0.000	0
7		4.575	1311	0.000	0
--	CLET	4.883	0	0.000	0
8		5.042	650	0.000	0
--	FR11	5.408	0	0.000	0
9		5.867	1057	0.000	0
--	FR113	6.400	0	0.000	0
10		6.558	766	0.000	0
11		6.942	14779	0.000	0
12	DCM	7.233	1016	0.107	0
13	DCE12T	7.733	4814	0.512	0
14		8.142	8459	0.000	0
--	DCA11	8.408	0	0.000	0
--	DCE12C	9.300	0	0.000	0
15		9.608	535	0.000	0
--	CLFM	9.767	0	0.000	0
--	TCA111	10.042	0	0.000	0
16	CBTC	10.325	1229223	104.709	0
--	DCA12	10.608	0	0.000	0
--	TCE	11.458	0	0.000	0
17		12.083	1276	0.000	0
18		12.300	764	0.000	0
--	DCPE13C	12.767	0	0.000	0
19		13.517	1197	0.000	0
--	TCA112	13.767	0	0.000	0
20	PCE	13.883	606799	57.059	0

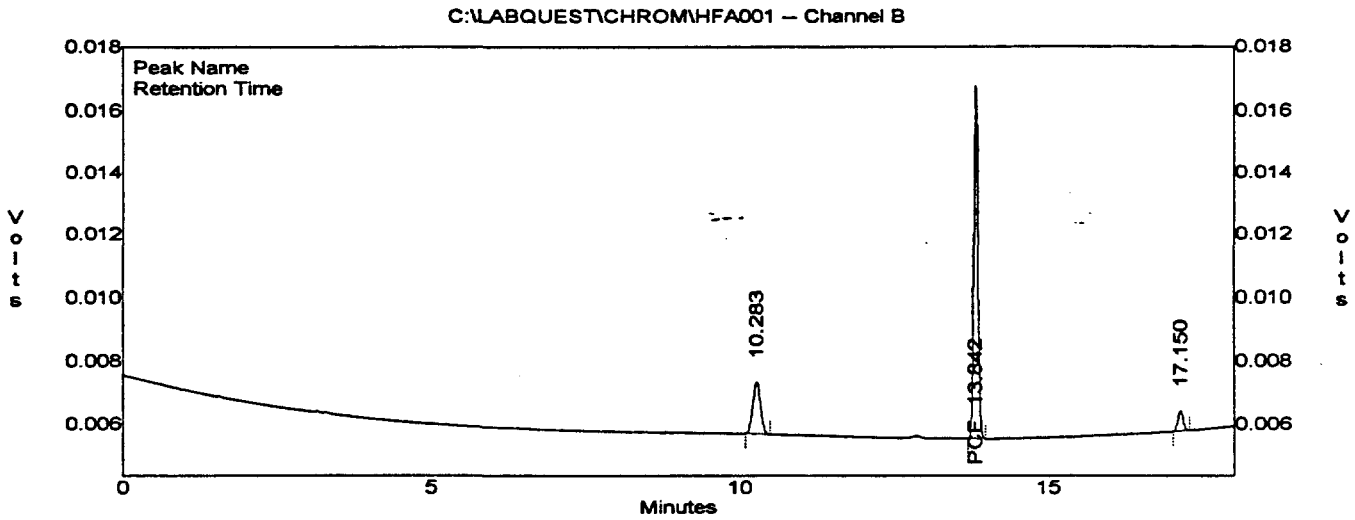
Continued...

File : C:\LABQUEST\CHROM\HFA001
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : SB950403A
Acquired : Apr 03, 1995 06:18:45
Printed : Apr 03, 1995 06:37:03
User : DQF

Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
21		14.683	595	0.000	0
--	CFB13	14.800	0	0.000	0
--	PCA1112	15.258	0	0.000	0
22		16.175	1765	0.000	0
--	PCA1122	16.600	0	0.000	0
23		16.892	521	0.000	0
Totals :			2581957	162.387	

Hydro Geo Chem, Inc.
Fugro West L1123
Channel B: PID
File : C:\LABQUEST\CHROM\HFA001
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : SB950403A
Acquired : Apr 03, 1995 06:18:45
Printed : Apr 03, 1995 06:37:04
User : DQF



Channel B Results

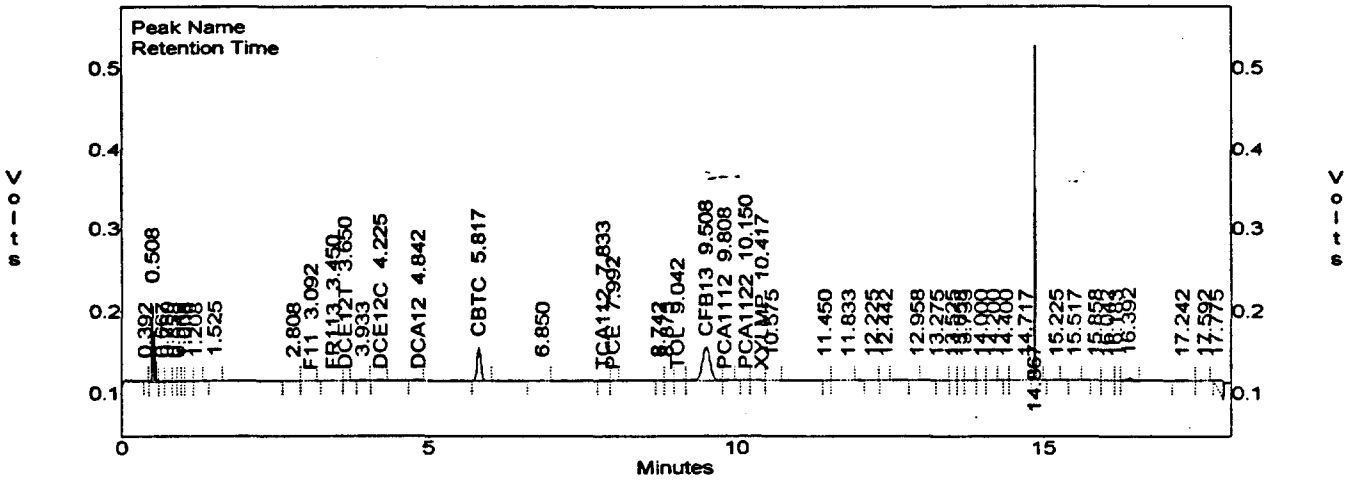
peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	3.967	0	0.000	0
--	DCE11	6.358	0	0.000	0
--	DCE12T	7.675	0	0.000	0
--	DCE12C	9.258	0	0.000	0
1		10.283	14574	0.000	0
--	BNZ	10.533	0	0.000	0
--	TCE	11.417	0	0.000	0
--	DCPE13C	12.725	0	0.000	0
--	TOL	13.175	0	0.000	0
2	PCE	13.842	53194	133.753	0
--	CFB13	14.500	0	0.000	0
--	EB	15.233	0	0.000	0
--	XYLMP	15.383	0	0.000	0
--	XYLO	15.858	0	0.000	0
3		17.150	3743	0.000	0

Totals :

	71512	133.753

Hydro Geo Chem, Inc.
Fugro West L1123
Channel C: FID
File : C:\LABQUEST\CHROM\HFA001
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : SB950403A
Acquired : Apr 03, 1995 06:18:45
Printed : Apr 03, 1995 06:37:05
User : DQF

C:\LABQUEST\CHROM\HFA001 -- Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.392	1023	0.000	0
2		0.508	209102	0.000	0
3		0.667	7533	0.000	0
4		0.750	9106	0.000	0
5		0.858	5434	0.000	0
6		0.942	4336	0.000	0
7		1.008	3331	0.000	0
8		1.058	7218	0.000	0
9		1.208	3784	0.000	0
10		1.525	3426	0.000	0
--	F12	1.683	0	0.000	0
--	VC	2.050	0	0.000	0
--	CLET	2.550	0	0.000	0
11		2.808	1011	0.000	0
12	F11	3.092	1140	0.000	0
13	FR113	3.450	2082	0.000	0
--	DCM	3.558	0	0.000	0
14	DCE12T	3.650	576	0.000	0
15		3.933	1695	0.000	0
--	DCA11	4.125	0	0.000	0
16	DCE12C	4.225	3262	0.000	0
--	CLFM	4.742	0	0.000	0
17	DCA12	4.842	2136	0.000	0
--	TCA111	5.383	0	0.000	0
--	BNZ	5.550	0	0.000	0
18	CBTC	5.817	177233	0.000	0
--	TCE	6.592	0	0.000	0
19		6.850	1107	0.000	0
--	DCPE13C	7.250	0	0.000	0
20	TCA112	7.833	1705	0.000	0
21	PCE	7.992	736	0.000	0
22		8.742	1005	0.000	0
23		8.875	2962	0.000	0

Continued...

File : C:\LABQUEST\CHROM\HFA001
Method : C:\LABQUEST\METHODS\HFA.MET
ample ID : SB950403A
uired : Apr 03, 1995 06:18:45
nted : Apr 03, 1995 06:37:06
Jser : DQF

hannel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
24	TOL	9.042	4478	0.000	0
25	CFB13	9.508	366095	0.000	0
26	PCA1112	9.808	3291	0.000	0
27	PCA1122	10.150	867	0.000	0
28	XYLMP	10.417	3347	0.000	0
29		10.575	3636	0.000	0
--	XYLO	10.767	0	0.000	0
30		11.450	804	0.000	0
31		11.833	2040	0.000	0
32		12.225	900	0.000	0
33		12.442	567	0.000	0
34		12.958	654	0.000	0
35		13.275	576	0.000	0
36		13.525	744	0.000	0
37		13.658	527	0.000	0
38		13.733	799	0.000	0
39		14.000	838	0.000	0
40		14.200	844	0.000	0
41		14.400	769	0.000	0
42		14.717	4085	0.000	0
43		14.867	234537	0.000	0
44		15.225	524	0.000	0
45		15.517	831	0.000	0
46		15.858	896	0.000	0
47		16.042	1510	0.000	0
48		16.183	838	0.000	0
49		16.392	16033	0.000	0
50		17.242	4633	0.000	0
51		17.592	1804	0.000	0
52		17.775	110481	0.000	0
Totals :			1218913	0.000	

APPENDIX B: CALIBRATION CURVES AND CALIBRATION CHROMATOGRAMS

Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:25:30
Channel : A
Peak : FR12

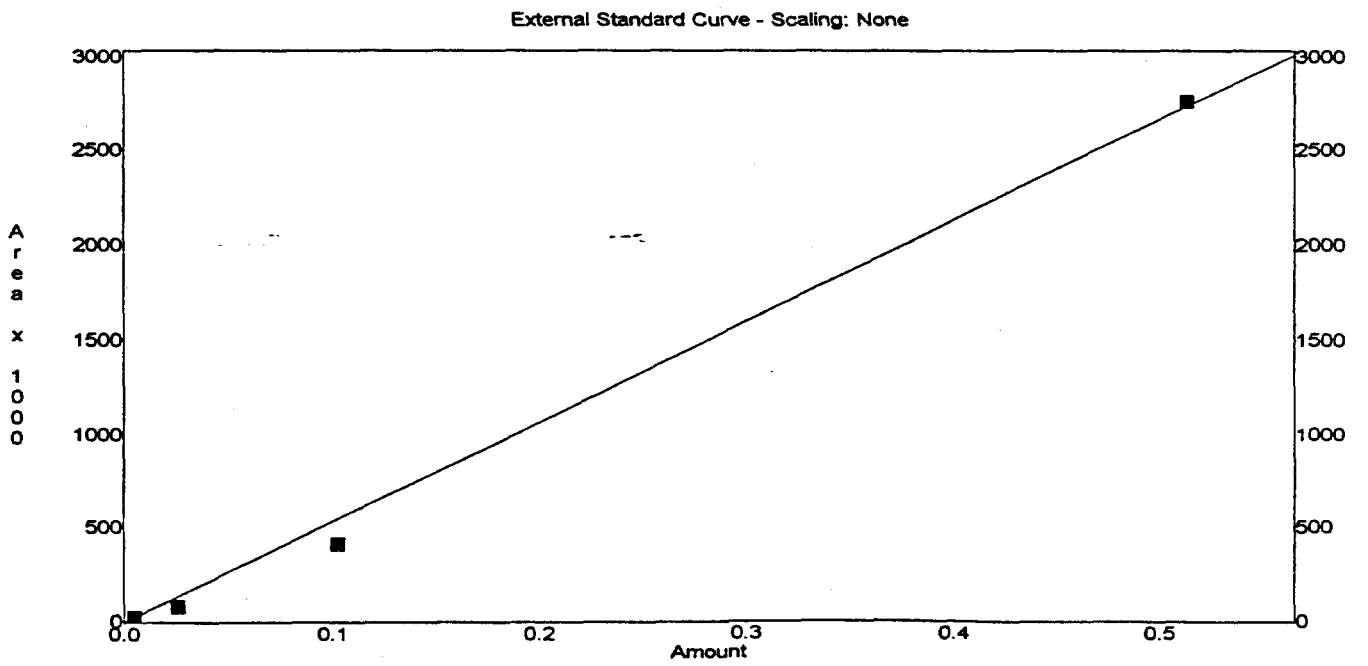
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	21958	0.0051	2.323e-007	21958					0	0
2	78755	0.0257	3.263e-007	78755					0	0
3	406903	0.1026	2.521e-007	406903					0	0
4	2760808	0.5131	1.859e-007	2760808					0	0

Average RF: 2.49149e-007
RF StdDev: 5.84726e-008
RF %RSD: 23.469

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

Linear Fit: Amount = 1.874e-007 x Area + 0.000e+000
R^2 = 0.9951



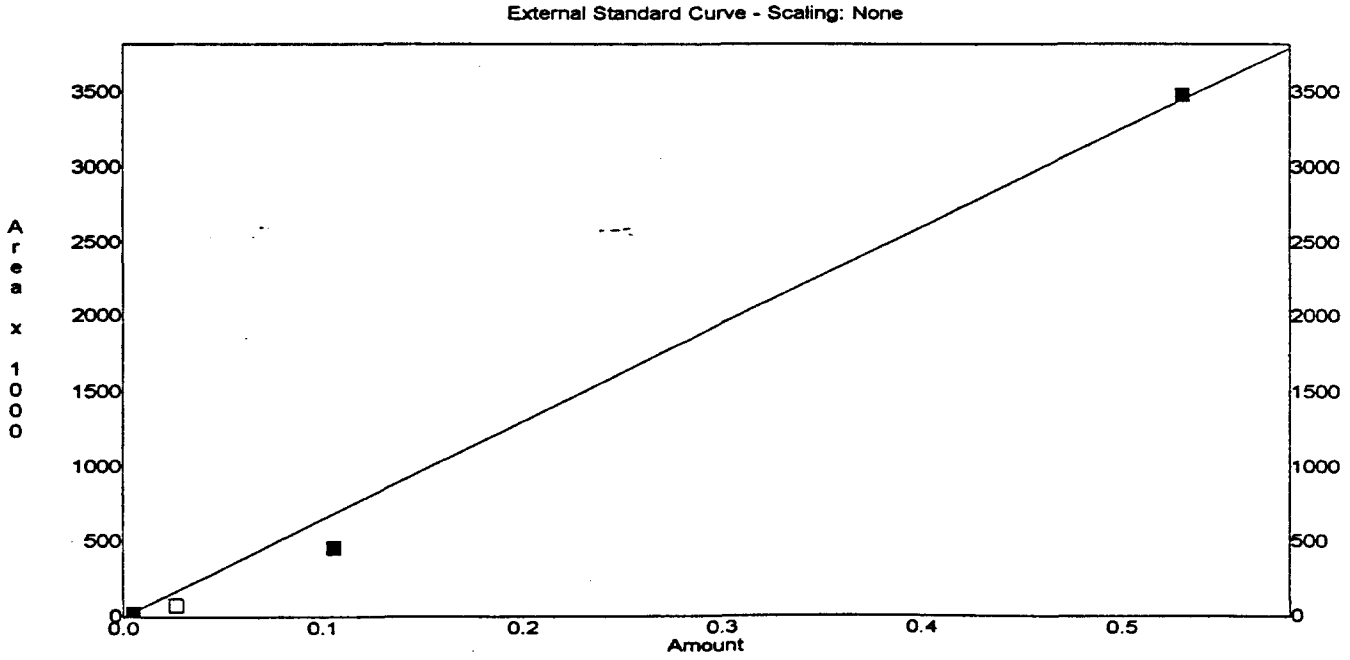
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:25:42
Channel : A
Peak : VC

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	19737	0.0053	2.685e-007	19737					0	0
2	74943	0.0265	3.536e-007	74943*						
3	454232	0.1061	2.336e-007	454232					0	0
4	3477721	0.5305	1.525e-007	3477721					0	0

Average RF: 2.18218e-007
RF StdDev: 5.95009e-008
RF %RSD: 27.2667

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

Linear Fit: Amount = 1.539e-007 x Area + 0.000e+000
R^2 = 0.9914



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:25:53
Channel : A
Peak : CLET

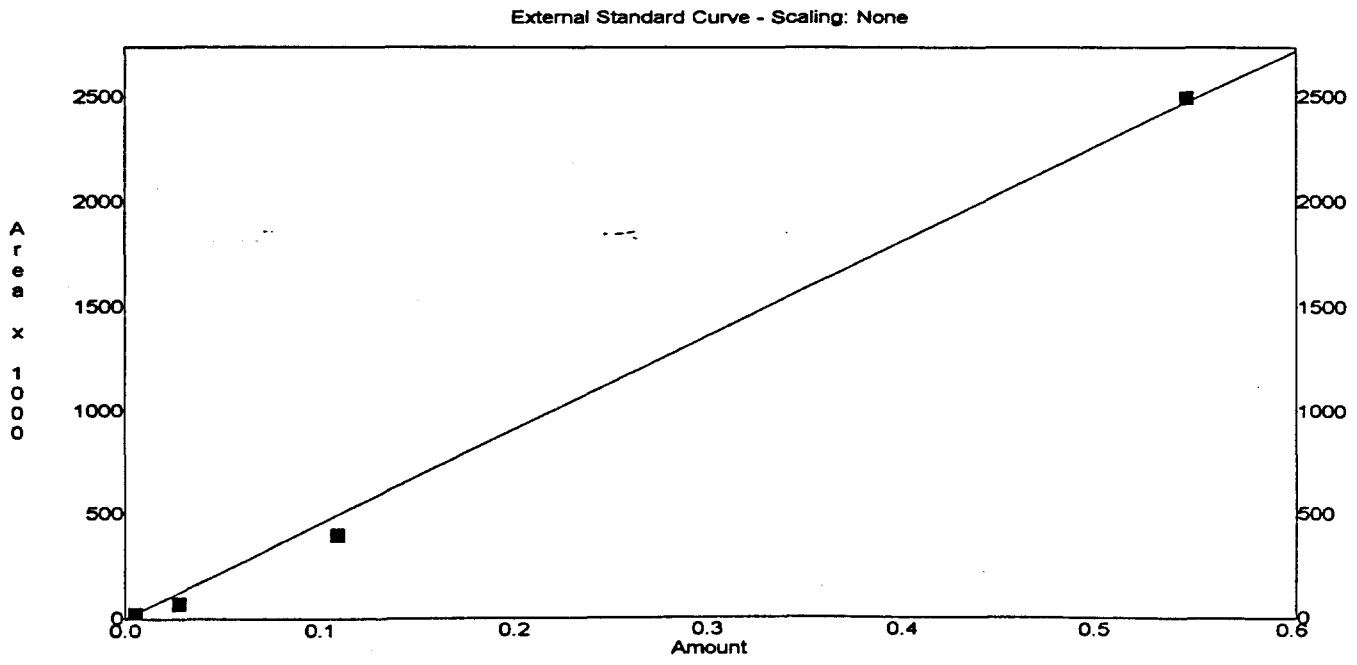
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	20017	0.0055	2.748e-007	20017					0	0
2	69697	0.0274	3.931e-007	69697					0	0
3	396939	0.1095	2.759e-007	396939					0	0
4	2494589	0.5474	2.194e-007	2494589					0	0

Average RF: 2.90798e-007
RF StdDev: 7.31302e-008
RF %RSD: 25.1481

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

Linear Fit: Amount = 2.210e-007 x Area + 0.000e+000
R^2 = 0.9967



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:26:07
Channel : A
Peak : FR11

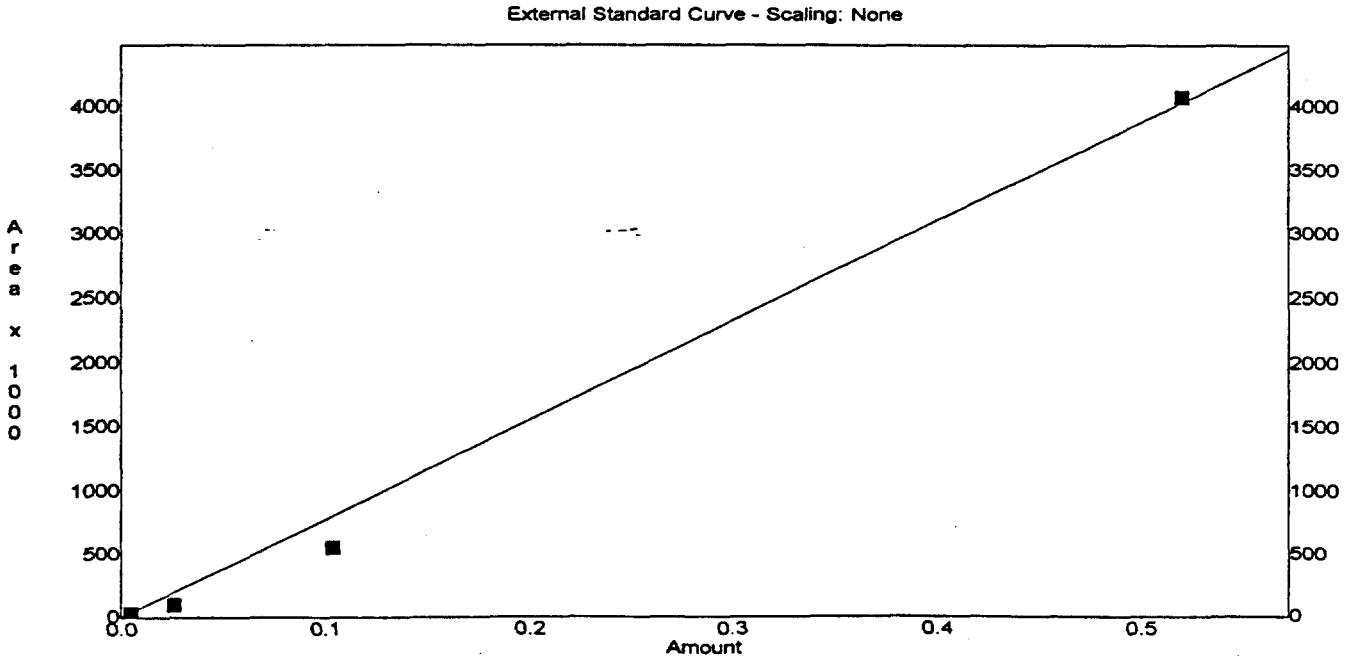
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	25082	0.0052	2.073e-007	25082					0	0
2	95701	0.026	2.717e-007	95701					0	0
3	554339	0.1039	1.874e-007	554339					0	0
4	4069767	0.5196	1.277e-007	4069767					0	0

Average RF: 1.98525e-007
RF StdDev: 5.93629e-008
RF %RSD: 29.902

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

Linear Fit: Amount = 1.288e-007 x Area + 0.000e+000
R^2 = 0.9927



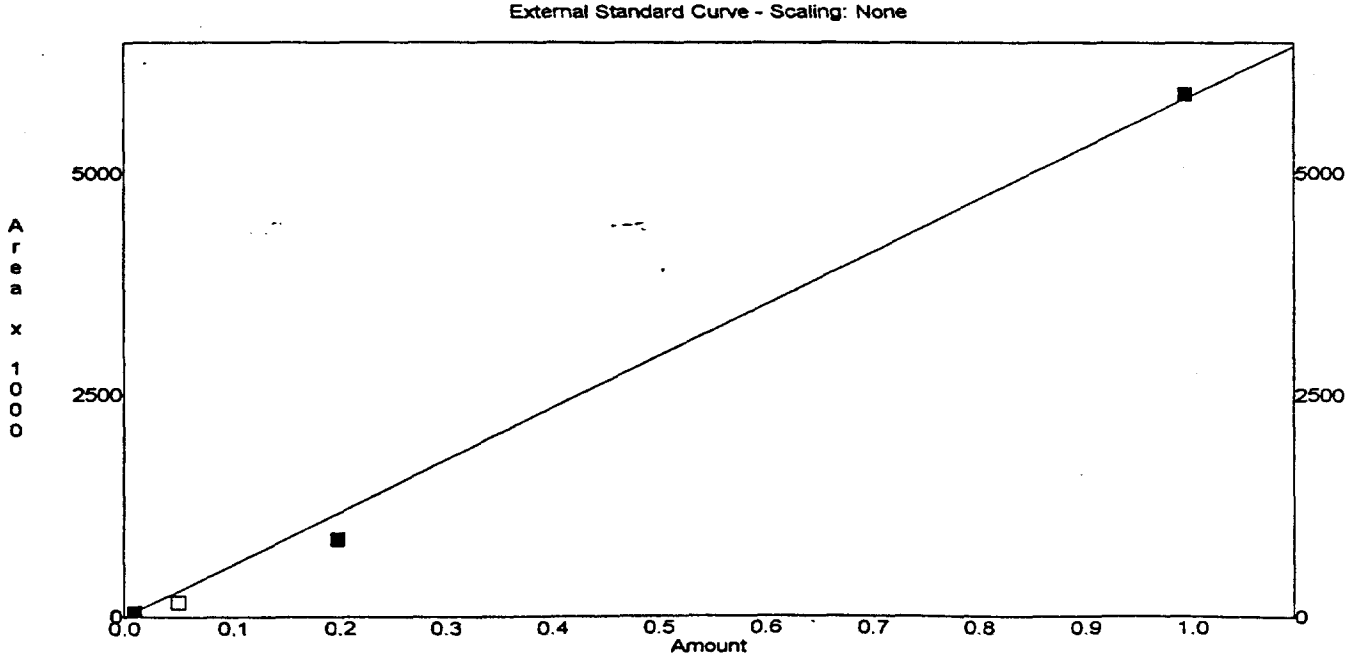
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:26:25
Channel : A
Peak : DCE11+FR113

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	43352	0.0099	2.284e-007	43352					0	0
2	153873	0.0497	3.23e-007	153873*						
3	863711	0.1986	2.299e-007	863711					0	0
4	5894290	0.9928	1.684e-007	5894290					0	0

Average RF: 2.08912e-007
RF StdDev: 3.50635e-008
RF %RSD: 16.7839

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

Linear Fit: Amount = 1.697e-007 x Area + 0.000e+000
R^2 = 0.9949



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:26:50
Channel : A
Peak : DCM

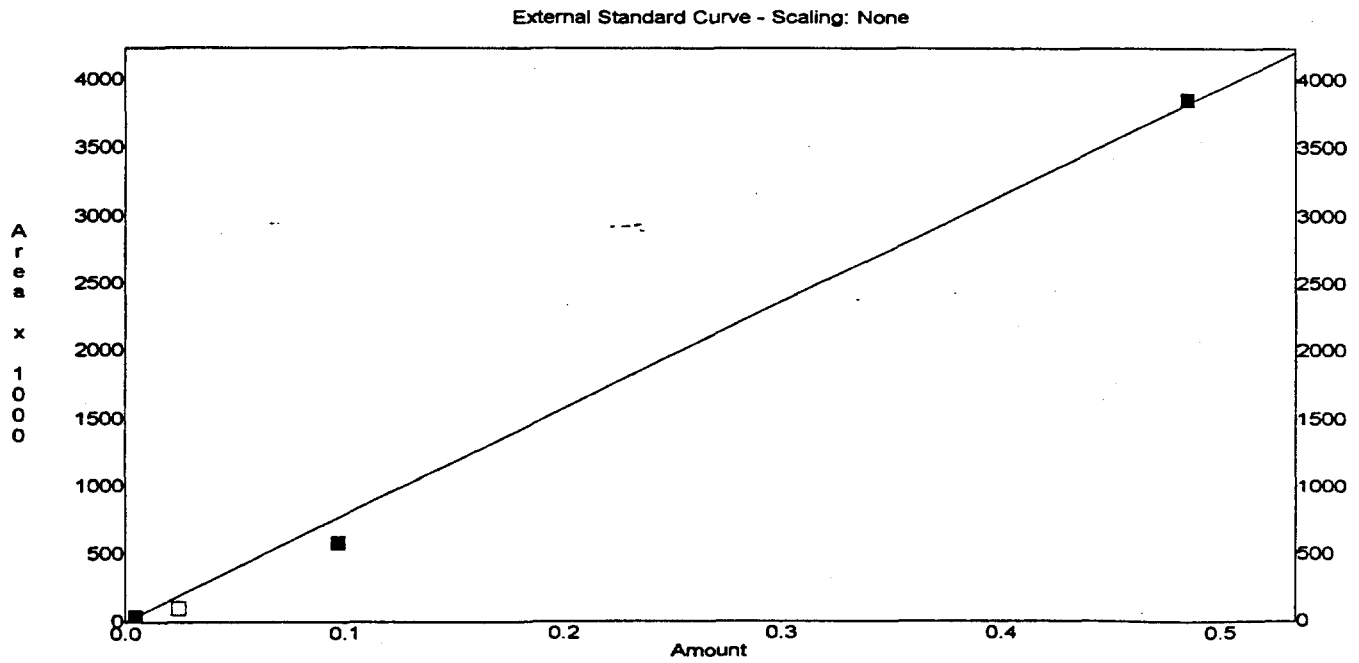
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	33112	0.0049	1.48e-007	33112					0	0
2	96439	0.0243	2.52e-007	96439*						
3	576299	0.097	1.683e-007	576299					0	0
4	3850159	0.485	1.26e-007	3850159					0	0

Average RF: 1.47422e-007
RF StdDev: 2.11789e-008
RF %RSD: 14.3661

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

Linear Fit: Amount = 1.269e-007 x Area + 0.000e+000
R^2 = 0.9955



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:28:04
Channel : A
Peak : DCE12T

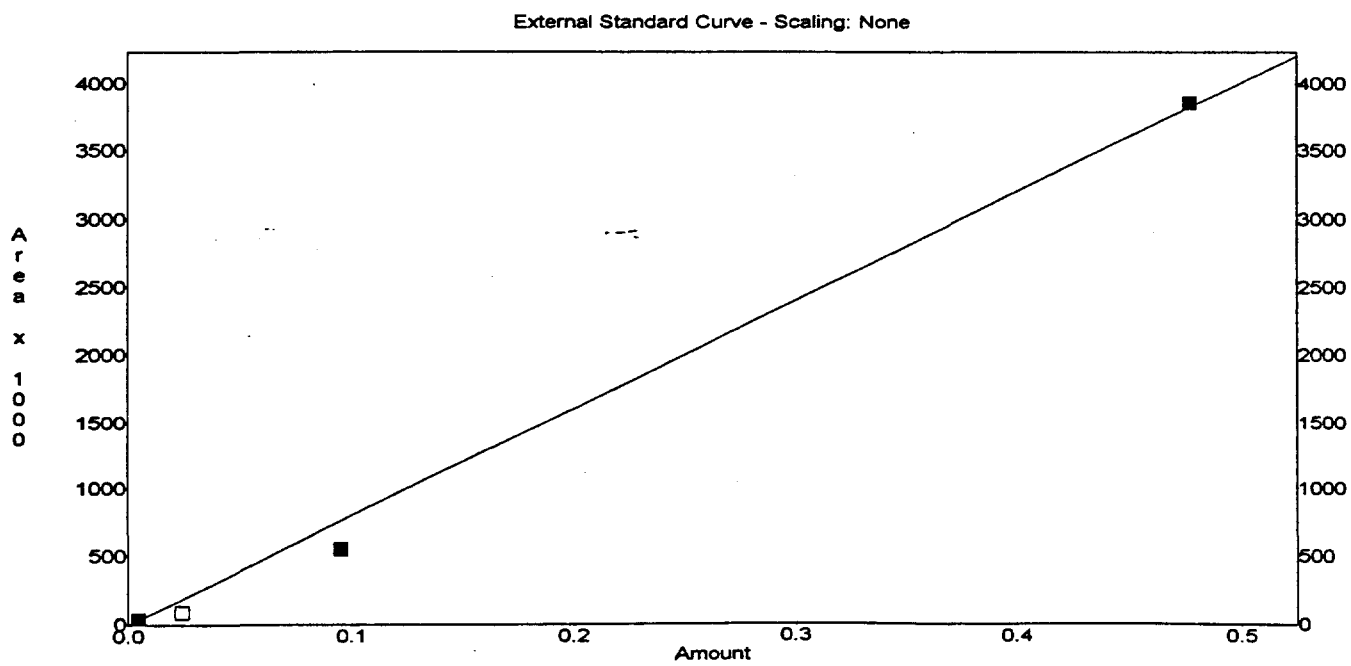
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	33703	0.0048	1.424e-007	33703					0	0
2	89419	0.0239	2.673e-007	89419*						
3	553428	0.0955	1.726e-007	553428					0	0
4	3857656	0.4773	1.237e-007	3857656					0	0

Average RF: 1.46237e-007
RF StdDev: 2.4639e-008
RF %RSD: 16.8487

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

Linear Fit: Amount = 1.247e-007 x Area + 0.000e+000
R^2 = 0.9943



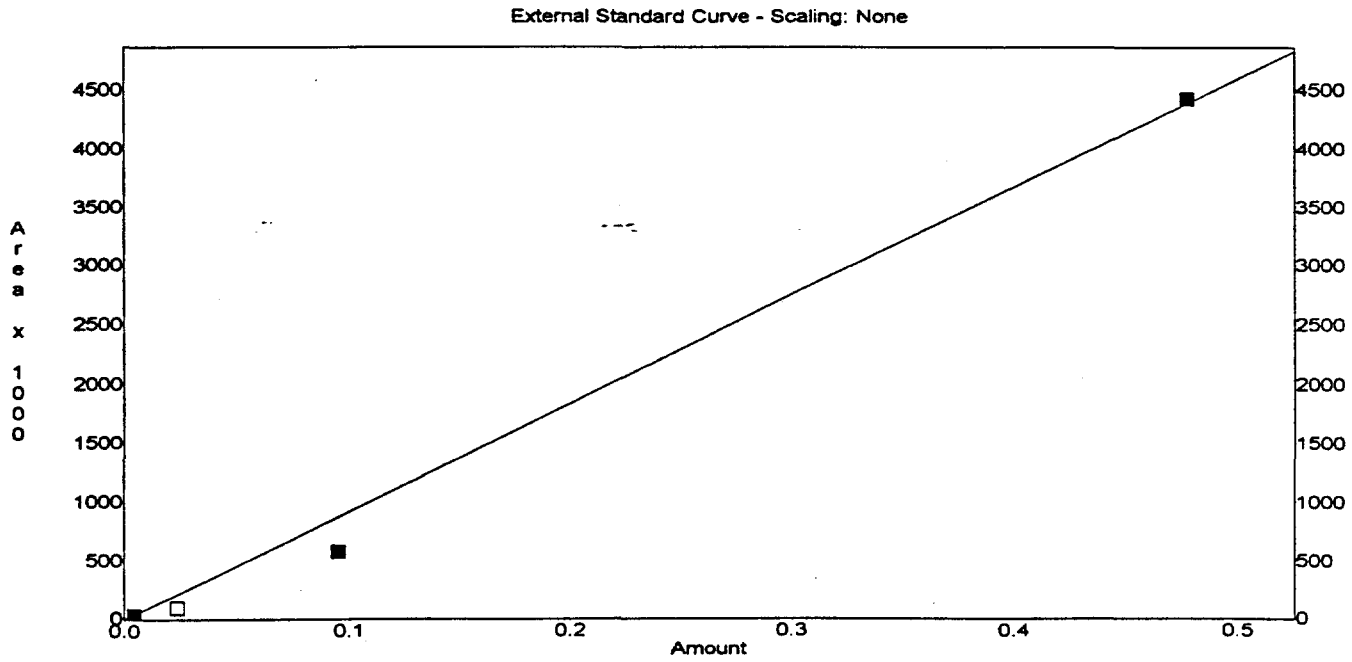
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:28:10
Channel : A
Peak : DCA11

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	28014	0.0048	1.713e-007	28014					0	0
2	97594	0.0239	2.449e-007	97594*						
3	576125	0.0956	1.659e-007	576125					0	0
4	4421730	0.4778	1.081e-007	4421730					0	0

Average RF: 1.48445e-007
RF StdDev: 3.5081e-008
RF %RSD: 23.6324

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

Linear Fit: Amount = 1.090e-007 x Area + 0.000e+000
R^2 = 0.9913



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:28:56
Channel : A
Peak : DCE12C

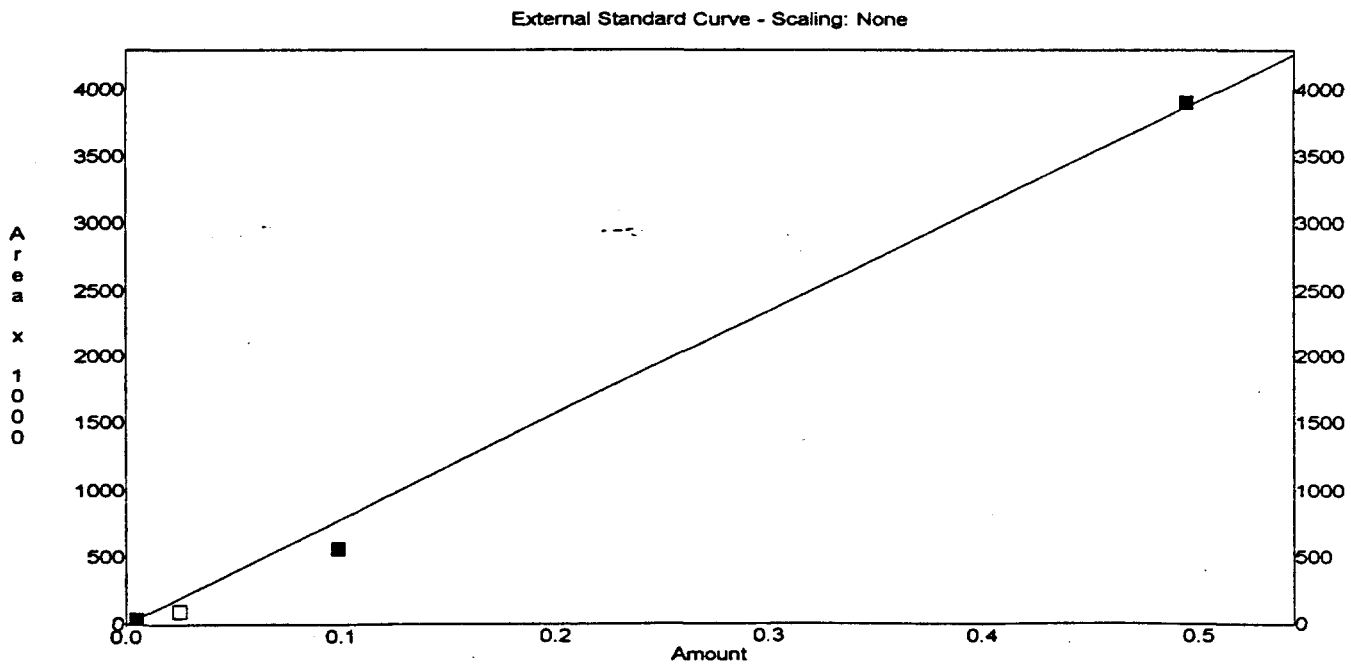
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	35479	0.0049	1.381e-007	35479					0	0
2	93286	0.0247	2.648e-007	93286*						
3	560327	0.0989	1.765e-007	560327					0	0
4	3902604	0.4947	1.268e-007	3902604					0	0

Average RF: 1.47126e-007
RF StdDev: 2.60675e-008
RF %RSD: 17.7179

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

Linear Fit: Amount = 1.278e-007 x Area + 0.000e+000
R^2 = 0.9944



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:29:04
Channel : A
Peak : CLFM

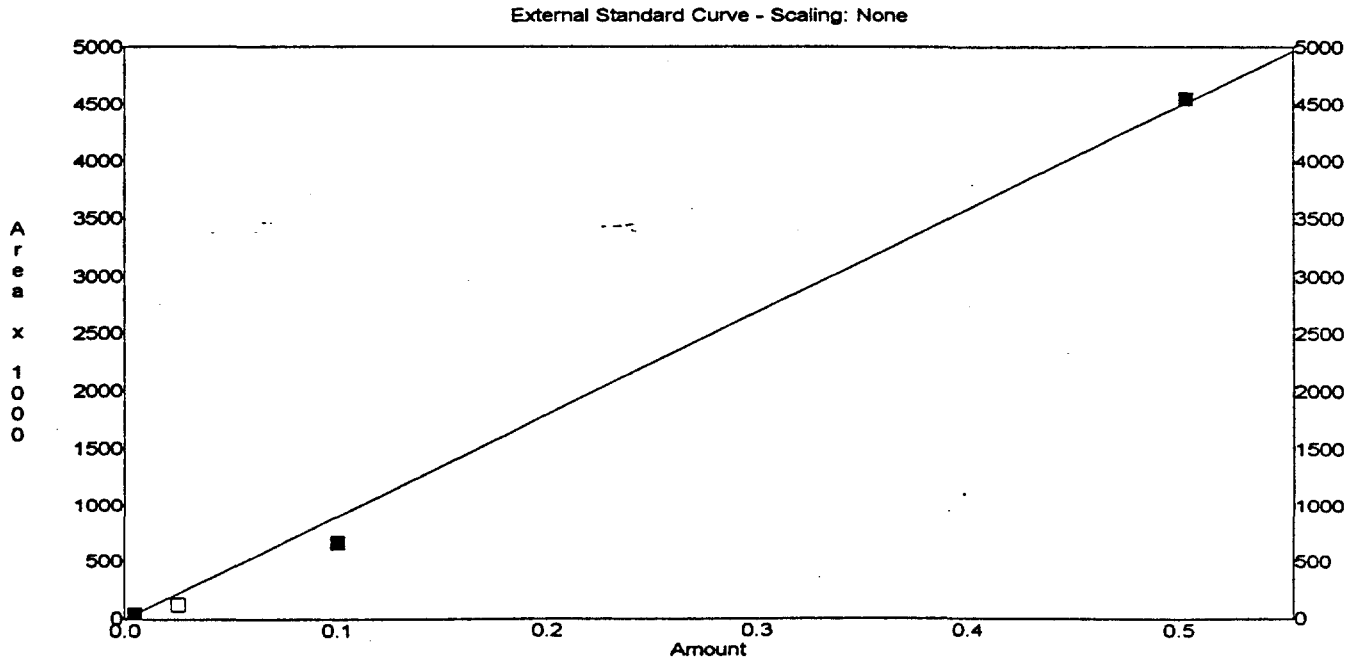
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	38043	0.005	1.314e-007	38043					0	0
2	118356	0.0252	2.129e-007	118356*						
3	662925	0.1007	1.519e-007	662925					0	0
4	4551070	0.5035	1.106e-007	4551070					0	0

Average RF: 1.31322e-007
RF StdDev: 2.06348e-008
RF %RSD: 15.7132

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

Linear Fit: Amount = 1.115e-007 x Area + 0.000e+000
R^2 = 0.9948



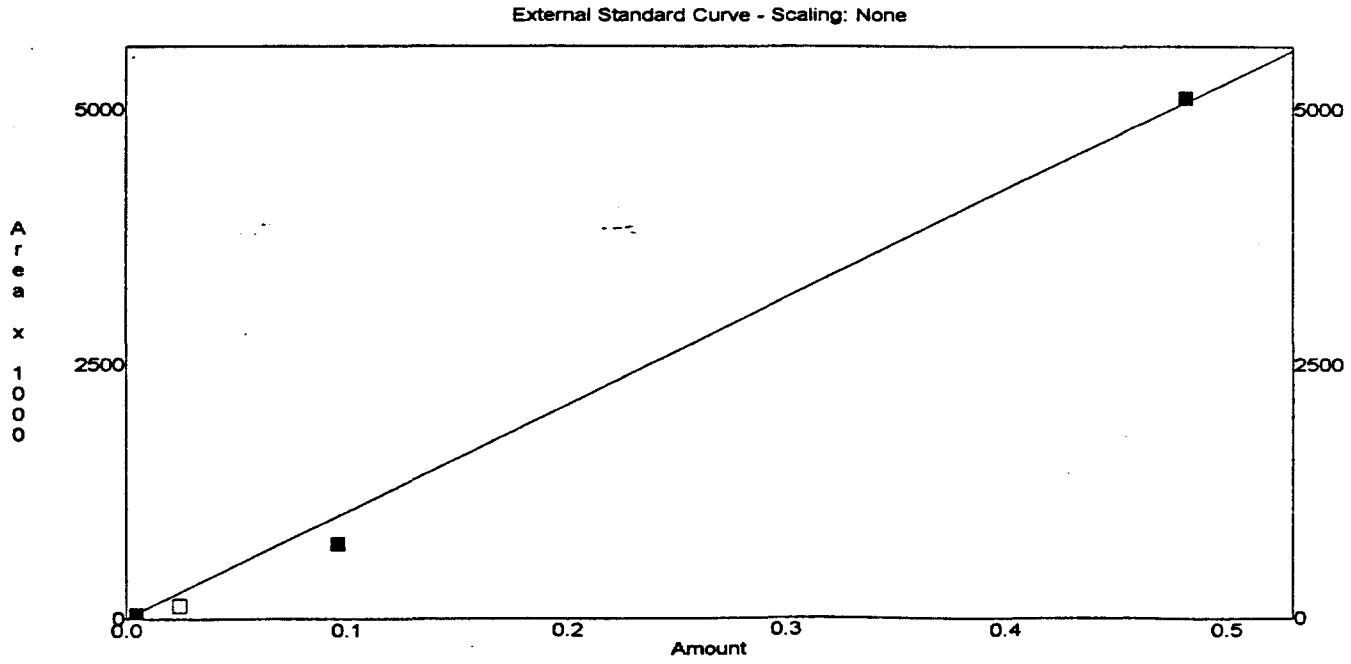
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:29:47
Channel : A
Peak : TCA111

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	33451	0.0048	1.435e-007	33451					0	0
2	123625	0.0241	1.949e-007	123625*						
3	733413	0.0963	1.313e-007	733413					0	0
4	5110685	0.4815	9.421e-008	5110685					0	0

Average RF: 1.23003e-007
RF StdDev: 2.56659e-008
RF %RSD: 20.866

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

Linear Fit: Amount = 9.496e-008 x Area + 0.000e+000
R^2 = 0.9943



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:29:53
Channel : A
Peak : CBTC

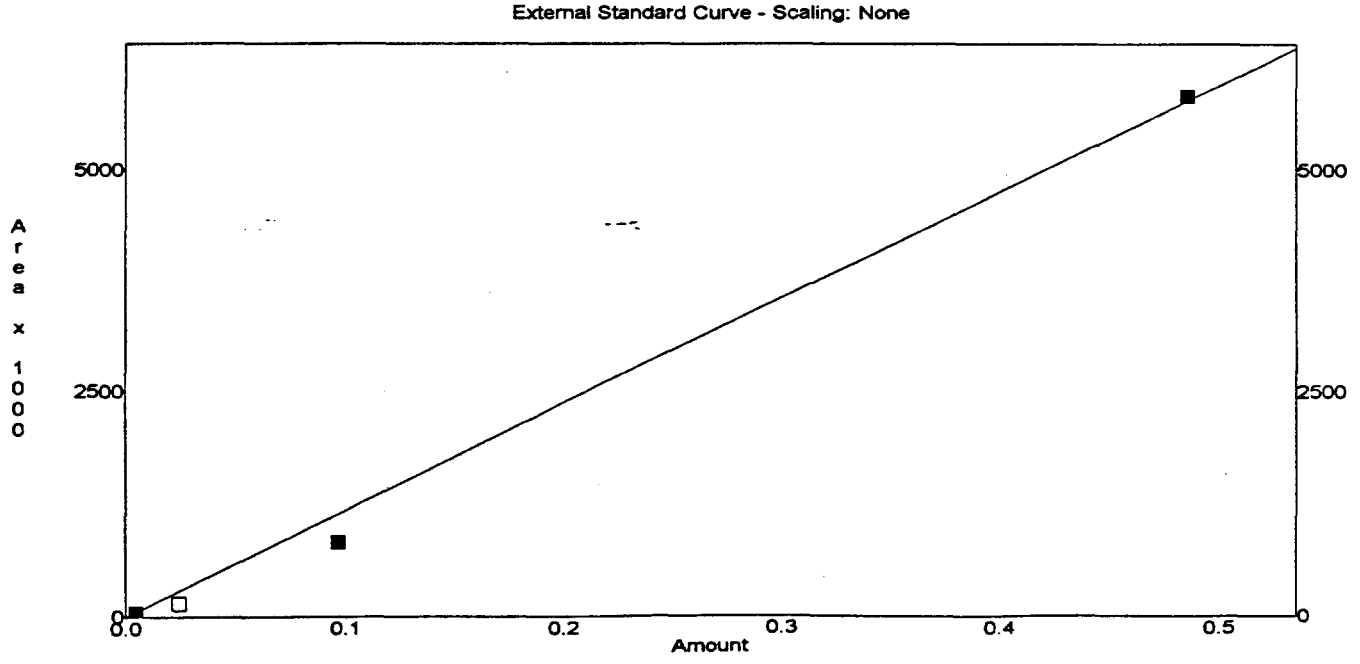
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	38798	0.0049	1.263e-007	38798					0	0
2	138428	0.0243	1.755e-007	138428*						
3	827237	0.0972	1.175e-007	827237					0	0
4	5827557	0.4862	8.343e-008	5827557					0	0

Average RF: 1.09075e-007
RF StdDev: 2.26396e-008
RF %RSD: 20.756

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

Linear Fit: Amount = 8.411e-008 x Area + 0.000e+000
R^2 = 0.9940



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:30:34
Channel : A
Peak : DCA12

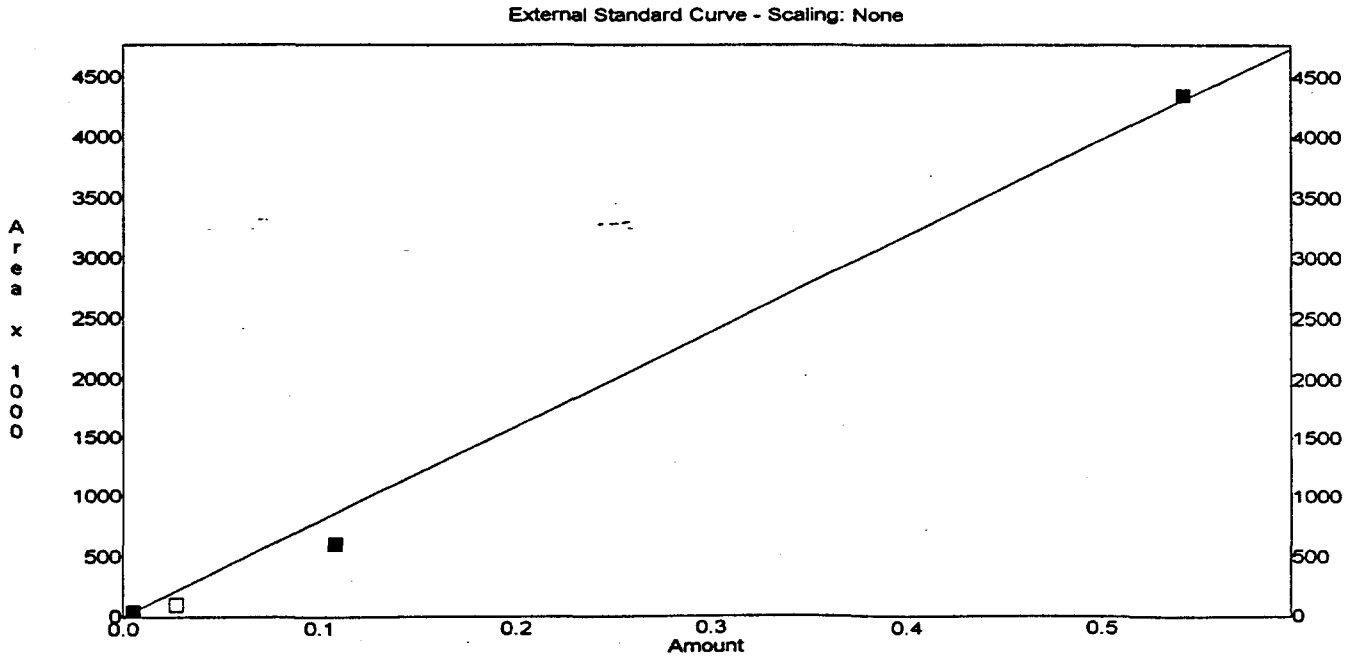
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	41312	0.0054	1.307e-007	41312					0	0
2	100658	0.0271	2.692e-007	100658*						
3	598146	0.1082	1.809e-007	598146					0	0
4	4347060	0.5411	1.245e-007	4347060					0	0

Average RF: 1.4536e-007
RF StdDev: 3.09293e-008
RF %RSD: 21.2777

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

Linear Fit: Amount = 1.255e-007 x Area + 0.000e+000
R^2 = 0.9931



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:31:52
Channel : A
Peak : PCA1112

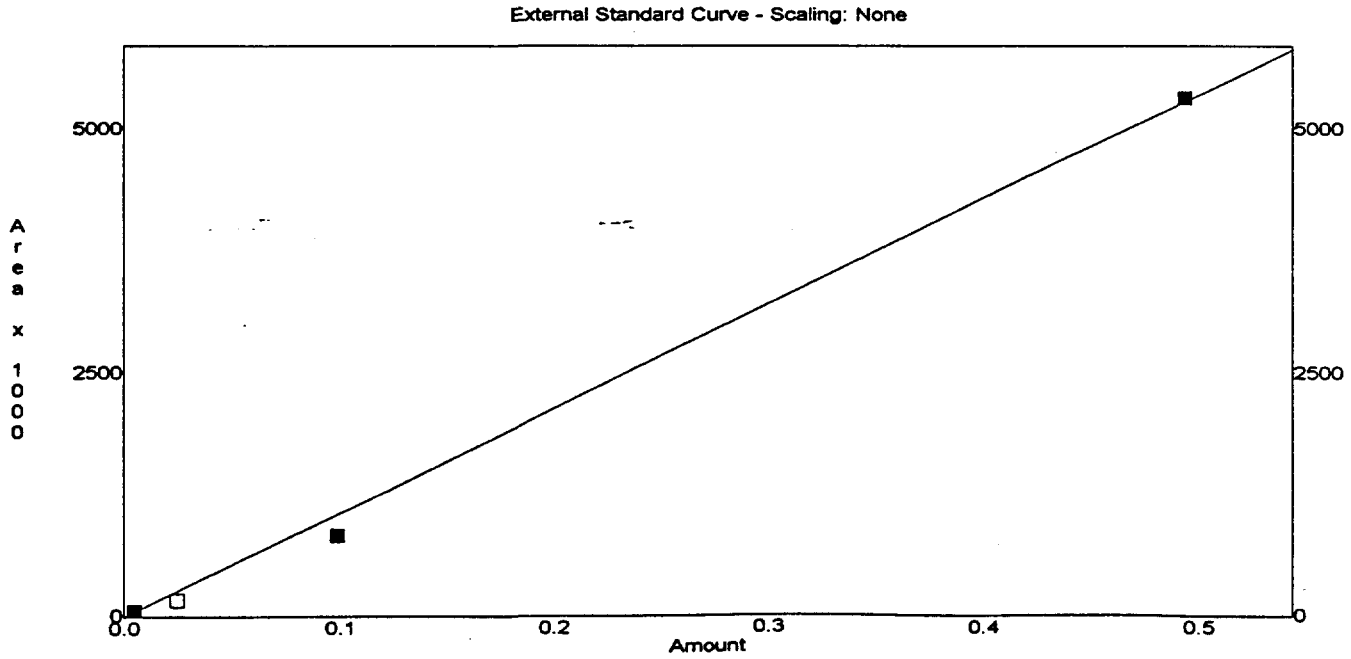
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	50634	0.0049	9.677e-008	50634					0	0
2	161565	0.0247	1.529e-007	161565*						
3	823842	0.0987	1.198e-007	823842					0	0
4	5323305	0.4937	9.274e-008	5323305					0	0

Average RF: 1.03107e-007
RF StdDev: 1.46002e-008
RF %RSD: 14.1602

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

Linear Fit: Amount = 9.338e-008 x Area + 0.000e+000
R^2 = 0.9964



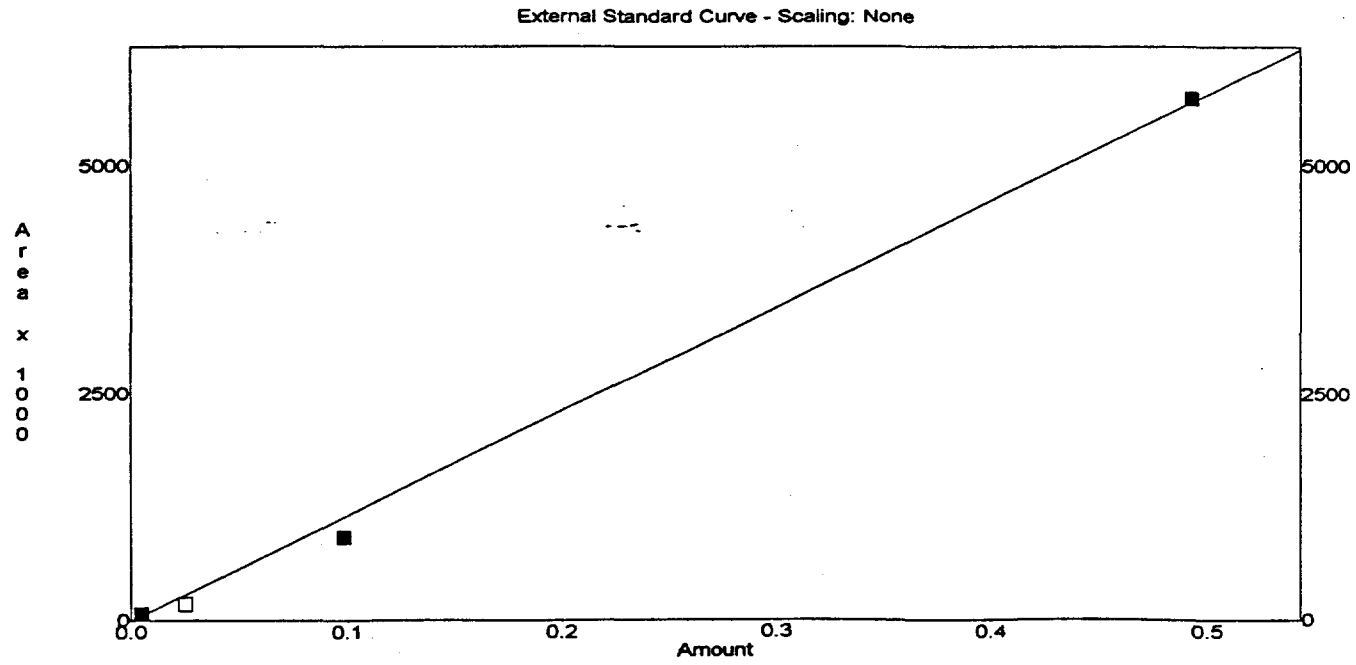
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:31:43
Channel : A
Peak : PCE

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	70257	0.0049	6.974e-008	70257					0	0
2	169087	0.0247	1.461e-007	169087*						
3	912001	0.0986	1.081e-007	912001					0	0
4	5729438	0.4932	8.608e-008	5729438					0	0

Average RF: 8.79797e-008
RF StdDev: 1.92555e-008
RF %RSD: 21.8863

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

Linear Fit: Amount = 8.662e-008 x Area + 0.000e+000
R^2 = 0.9971



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:30:49
Channel : A
Peak : TCA112

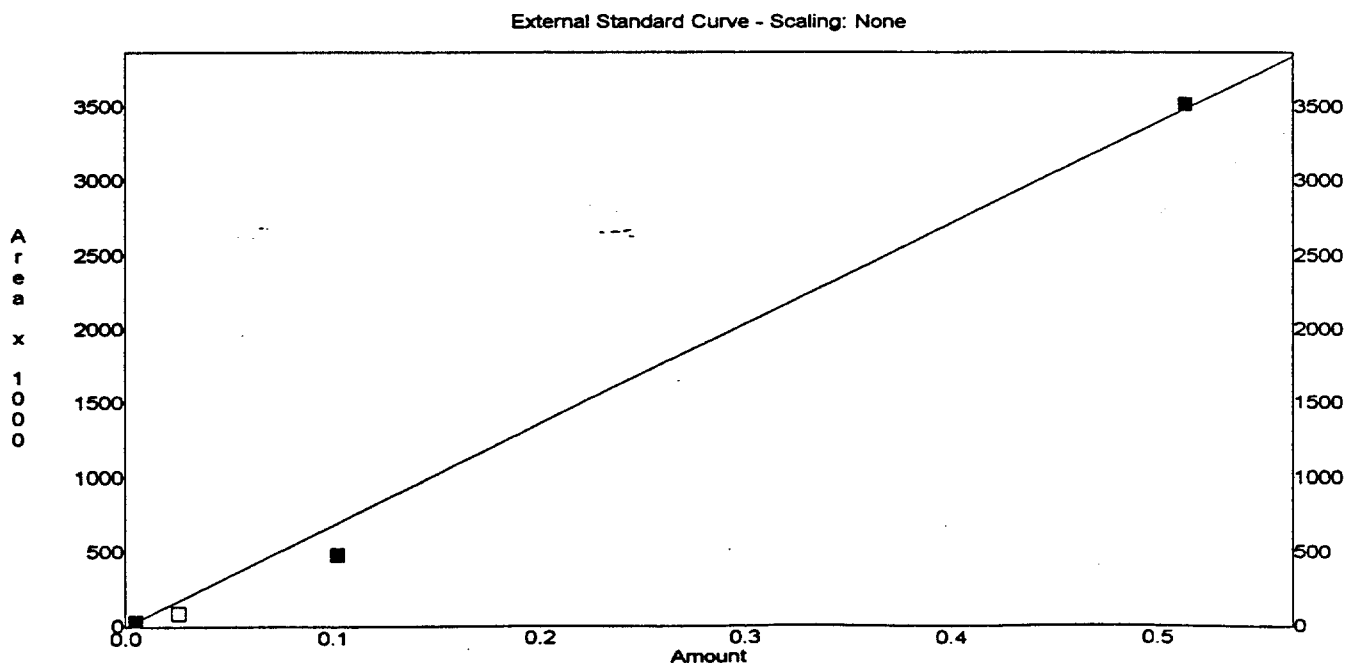
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	30009	0.0051	1.7e-007	30009					0	0
2	85128	0.0257	3.019e-007	85128*						
3	476114	0.1027	2.157e-007	476114					0	0
4	3515601	0.5136	1.461e-007	3515601					0	0

Average RF: 1.77249e-007
RF StdDev: 3.53758e-008
RF %RSD: 19.9582

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

Linear Fit: Amount = 1.473e-007 x Area + 0.000e+000
R^2 = 0.9926



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:30:42
Channel : A
Peak : TCE

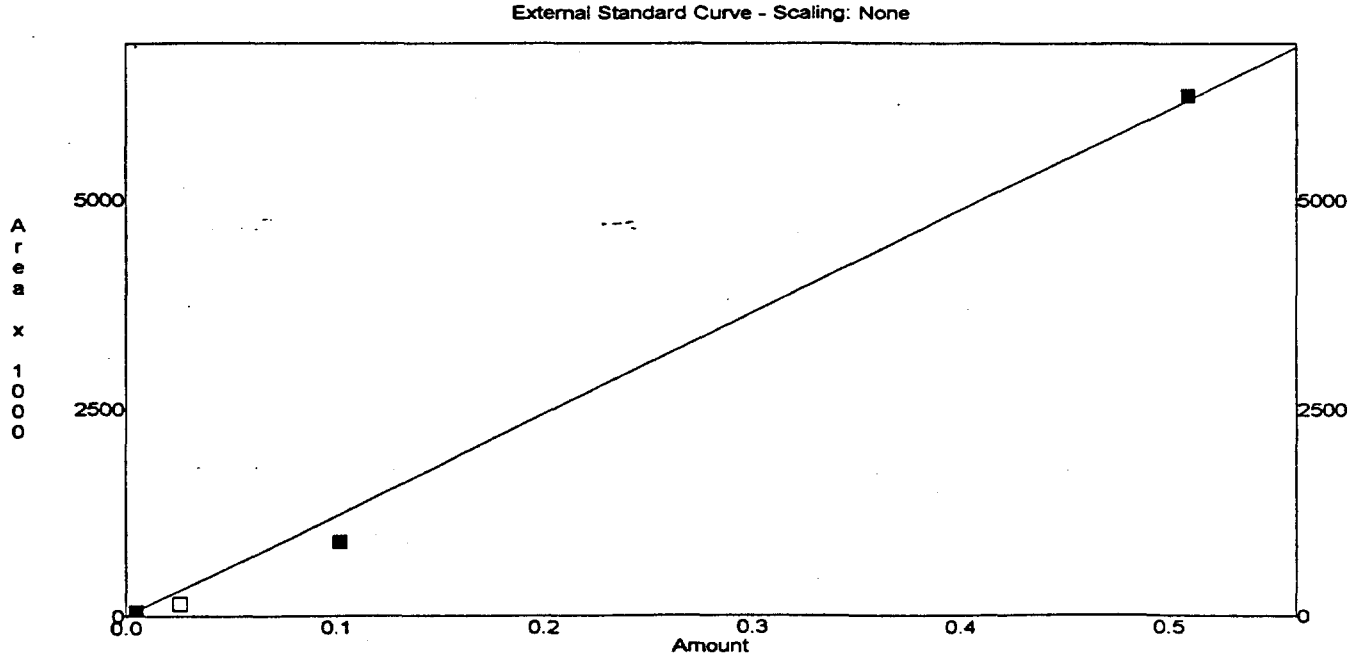
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	48509	0.0051	1.051e-007	48509					0	0
2	144676	0.0255	1.763e-007	144676*						
3	903837	0.1018	1.126e-007	903837					0	0
4	6258282	0.509	8.133e-008	6258282					0	0

Average RF: 9.96994e-008
RF StdDev: 1.6342e-008
RF %RSD: 16.3913

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

Linear Fit: Amount = 8.197e-008 x Area + 0.000e+000
R^2 = 0.9945



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:33:31
Channel : A
Peak : PCA1122

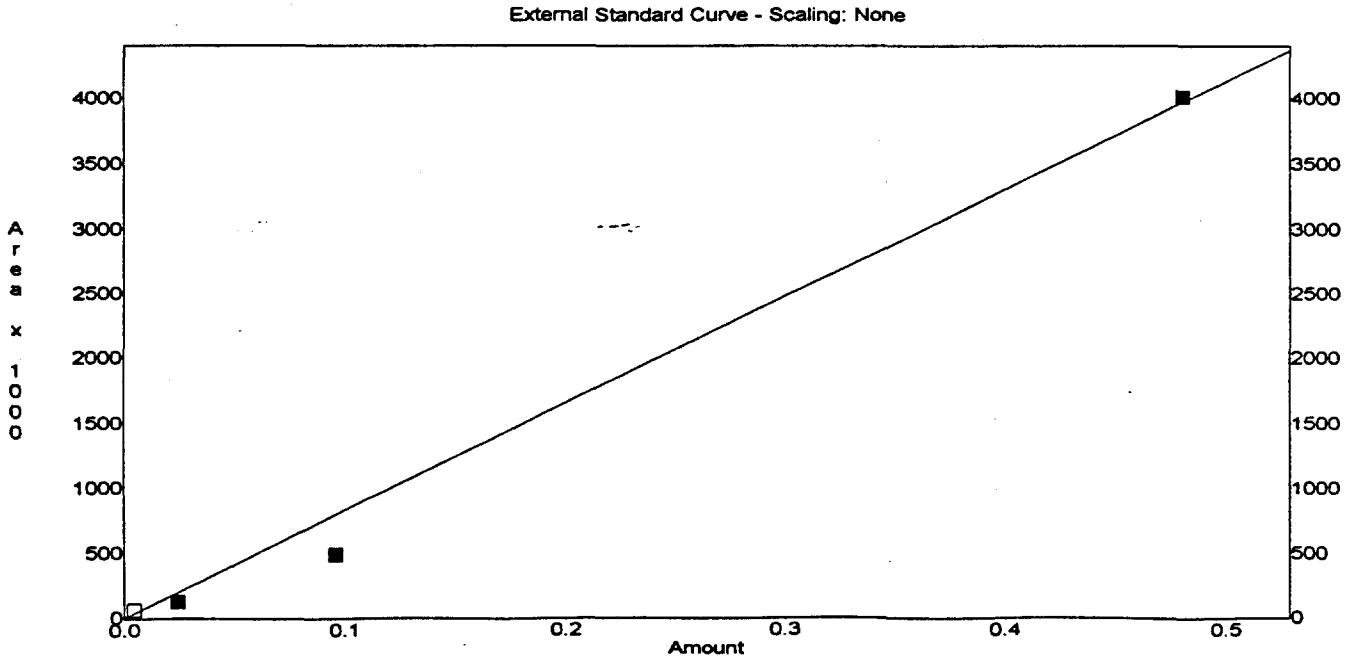
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	61737	0.0048	7.775e-008	61737*						
2	124476	0.024	1.928e-007	124476					0	0
3	483423	0.0961	1.988e-007	483423					0	0
4	4010896	0.4807	1.198e-007	4010896					0	0

Average RF: 1.70482e-007
RF StdDev: 4.39521e-008
RF %RSD: 25.781

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

Linear Fit: Amount = 1.210e-007 x Area + 0.000e+000
R^2 = 0.9874



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:36:21
Channel : B
Peak : DCE11

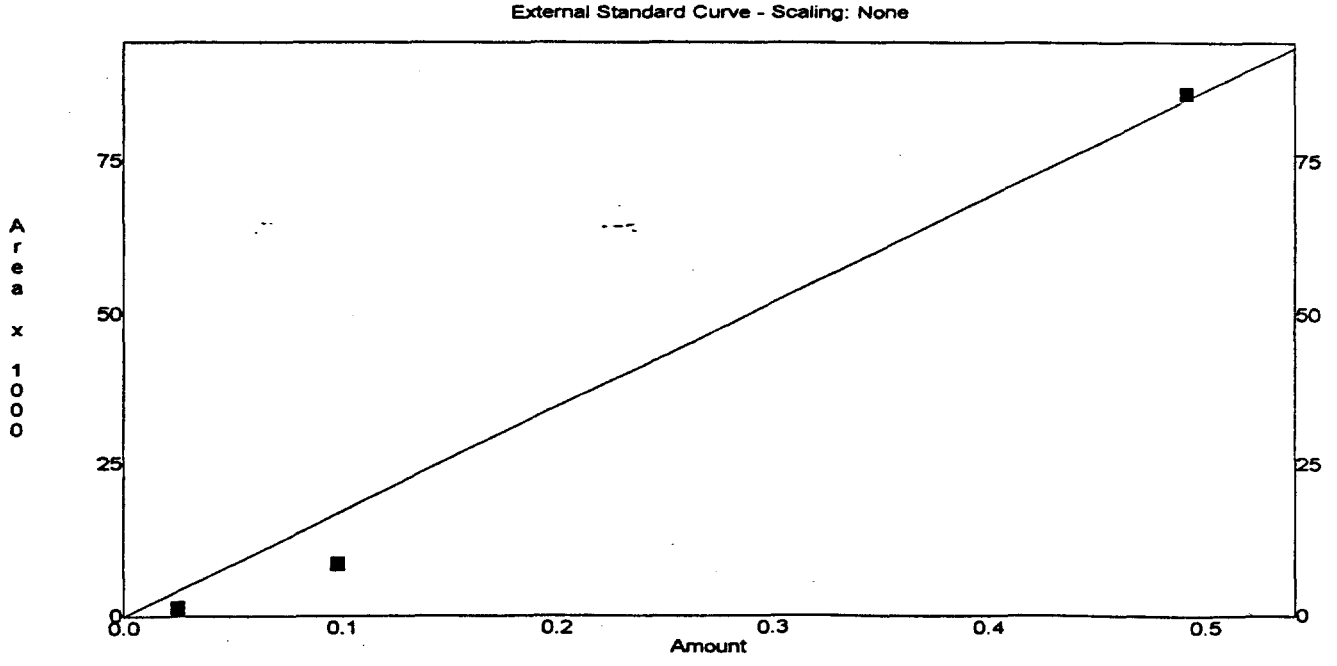
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
2	1295	0.0246	1.9e-005	1295					0	0
3	8600	0.0983	1.143e-005	8600					0	0
4	85802	0.4914	5.727e-006	85802					0	0

Average RF: 1.20512e-005
RF StdDev: 6.65627e-006
RF %RSD: 55.2334

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

Linear Fit: Amount = 5.787e-006 x Area + 0.000e+000
R^2 = 0.9788



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:34:08
Channel : B
Peak : BNZ

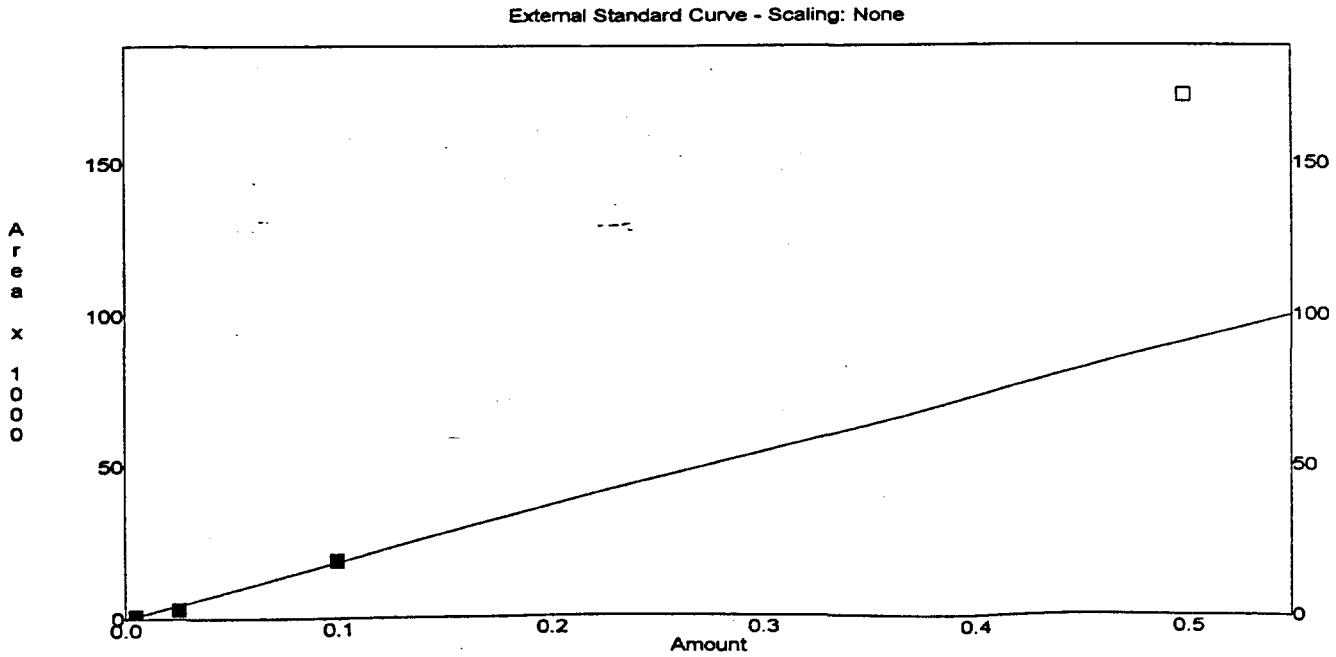
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	768	0.005	6.515e-006	768					0	0
2	2876	0.0249	8.657e-006	2876					0	0
3	18458	0.0997	5.402e-006	18458					0	0
4	172154	0.4983	2.895e-006	172154*						

Average RF: 6.85779e-006
RF StdDev: 1.65466e-006
RF %RSD: 24.1281

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

Linear Fit: Amount = 5.481e-006 x Area + 0.000e+000
R^2 = 0.9827



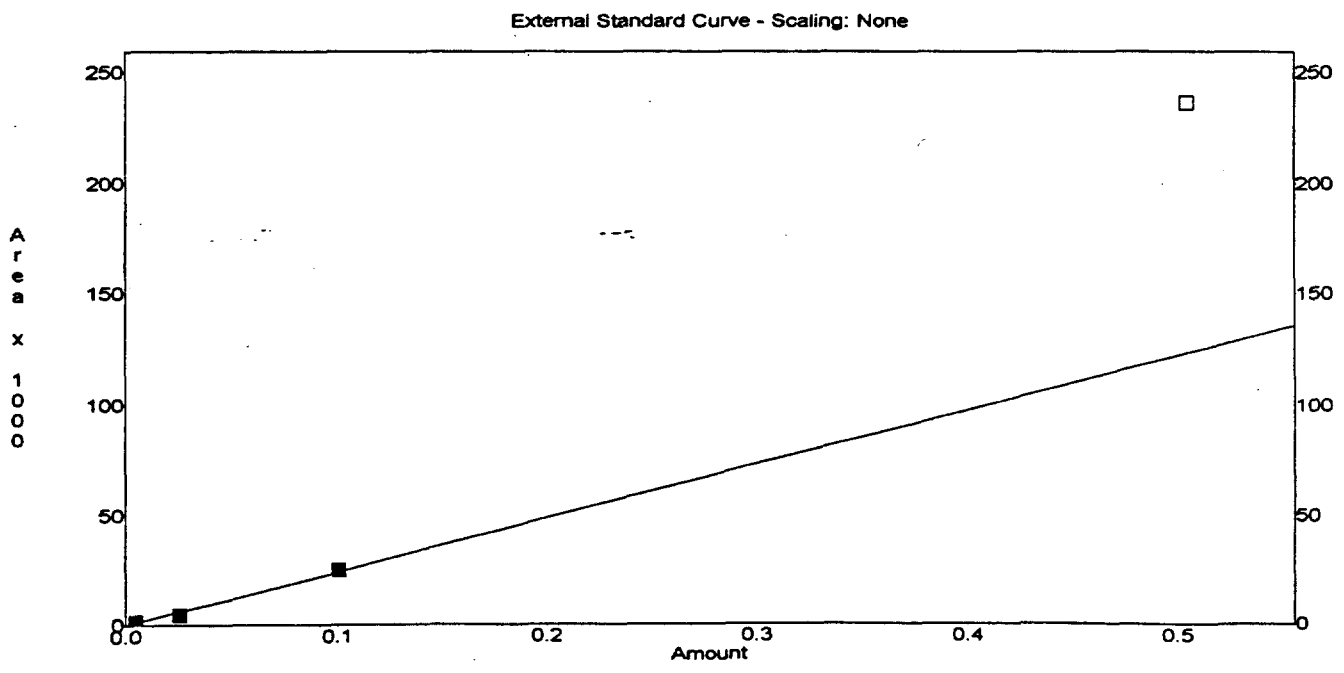
Method : C:\LABQUEST\CHROM\HFA.017 * - Replicate Not Used
Printed : Apr 03, 1995 16:35:01
Channel : B
Peak : TOL

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1345	0.005	3.719e-006	1345					0	0
2	4275	0.0252	5.895e-006	4275					0	0
3	25015	0.1009	4.034e-006	25015					0	0
4	235970	0.5044	2.138e-006	235970*						

Average RF: 4.54931e-006
RF StdDev: 1.17635e-006
RF %RSD: 25.8577

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

Linear Fit: Amount = 4.085e-006 x Area + 0.000e+000
R^2 = 0.9879



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:35:19
Channel : B
Peak : EB

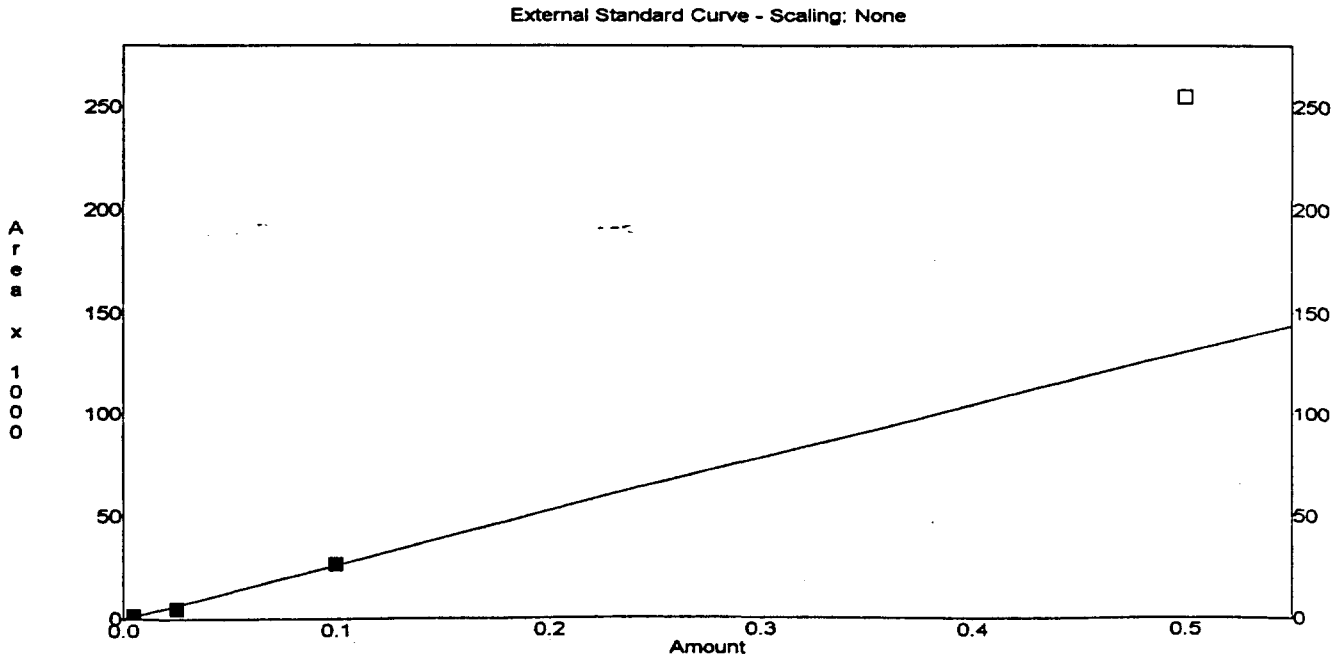
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1454	0.005	3.439e-006	1454					0	0
2	4640	0.025	5.388e-006	4640					0	0
3	26502	0.1	3.773e-006	26502					0	0
4	255099	0.4999	1.96e-006	255099*						

Average RF: 4.20015e-006
RF StdDev: 1.04225e-006
RF %RSD: 24.8147

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

Linear Fit: Amount = 3.820e-006 x Area + 0.000e+000
R^2 = 0.9891



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:35:28
Channel : B
Peak : XYLMP

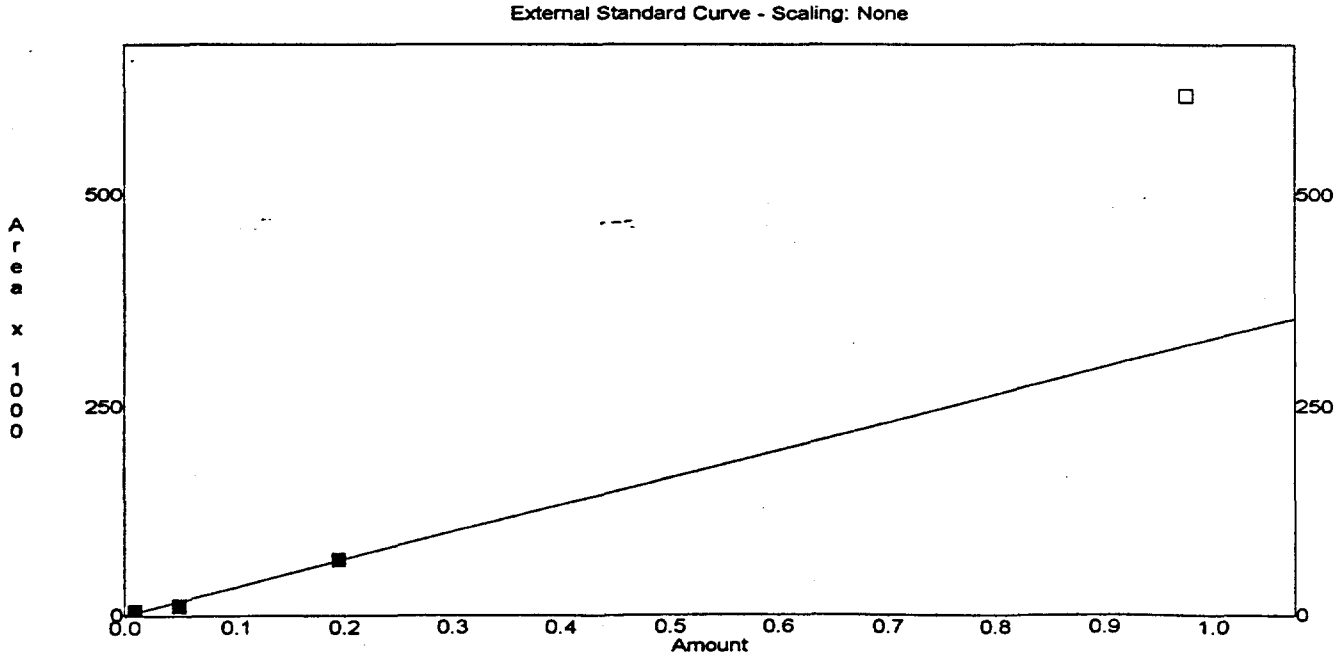
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	3904	0.0098	2.51e-006	3904					0	0
2	11253	0.0488	4.337e-006	11253					0	0
3	65172	0.1951	2.994e-006	65172					0	0
4	619407	0.9757	1.575e-006	619407*						

Average RF: 3.28024e-006
RF StdDev: 9.46353e-007
RF %RSD: 28.8502

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

Linear Fit: Amount = 3.031e-006 x Area + 0.000e+000
R^2 = 0.9882



Method : C:\LABQUEST\CHROM\HFA.017
Printed : Apr 03, 1995 16:35:34
Channel : B
Peak : XYLO

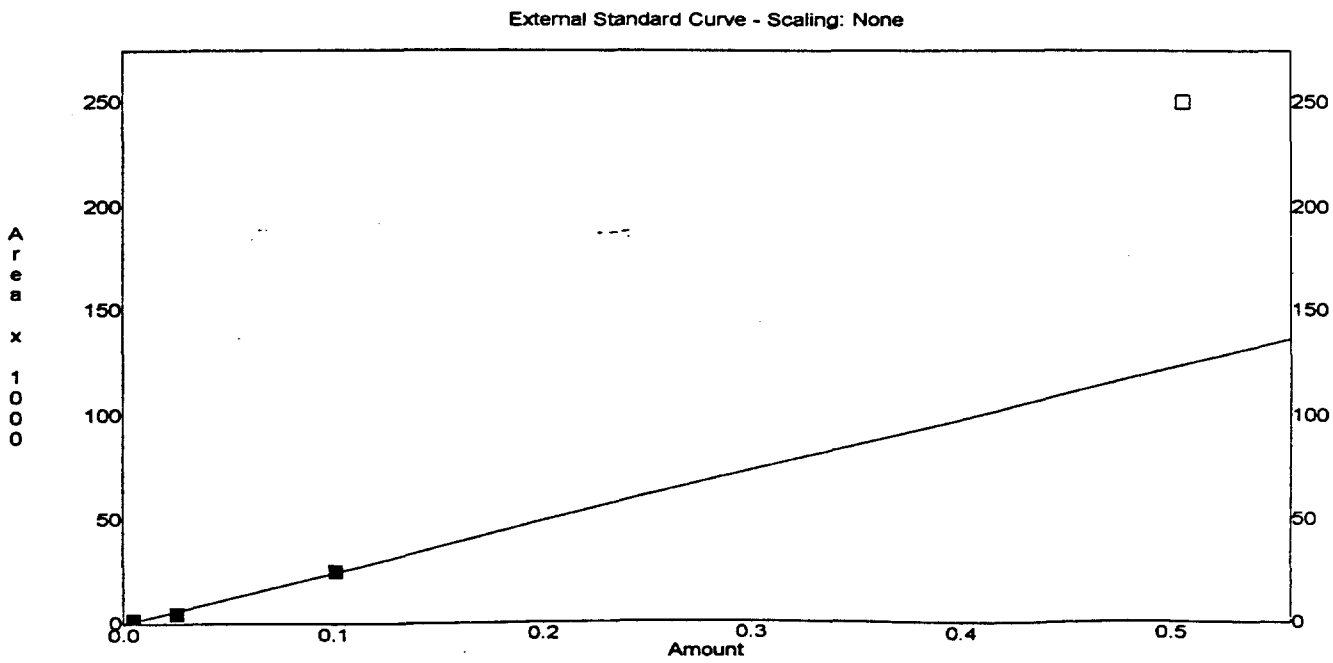
* - Replicate Not Used

Level	Area	Amount	RF	Rep Area 1	Rep Area 2	Rep Area 3	Rep Area 4	Rep Area 5	StdDev	%RSD
1	1420	0.0051	3.593e-006	1420					0	0
2	4430	0.0253	5.712e-006	4430					0	0
3	25036	0.1012	4.042e-006	25036					0	0
4	249633	0.5059	2.027e-006	249633*						

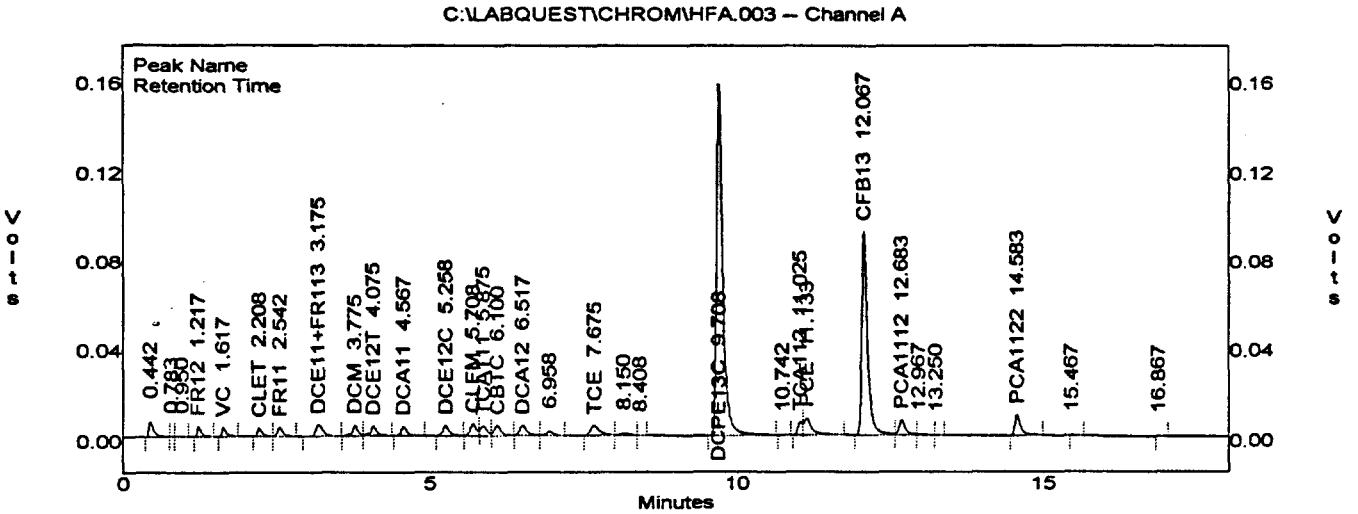
Average RF: 4.44889e-006
RF StdDev: 1.11647e-006
RF %RSD: 25.0955

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

Linear Fit: Amount = 4.091e-006 x Area + 0.000e+000
R^2 = 0.9896



Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.003
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403A
Acquired : Apr 03, 1995 07:21:35
Printed : Apr 03, 1995 07:57:15
User : DQF



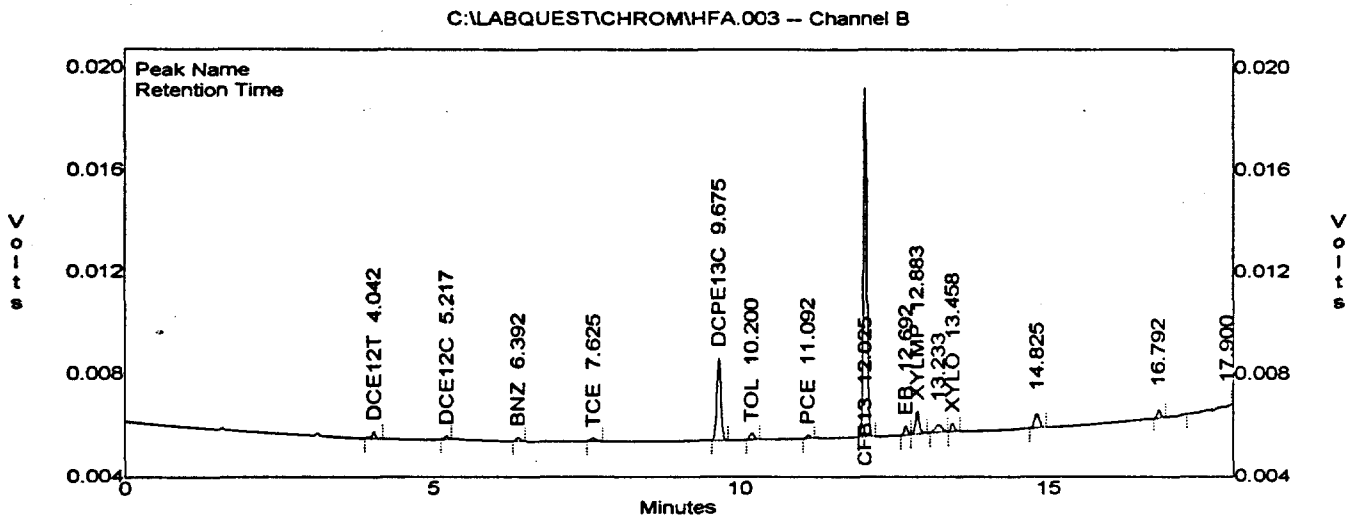
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.442	37098	0.000	0
2		0.783	684	0.000	0
3		0.950	946	0.000	0
4	FR12	1.217	21957	0.004	0
5	VC	1.617	19737	0.003	0
6	CLET	2.208	20016	0.004	0
7	FR11	2.542	25082	0.003	0
8	DCE11+FR113	3.175	43352	0.007	0
9	DCM	3.775	33112	0.004	0
10	DCE12T	4.075	33702	0.004	0
11	DCA11	4.567	28014	0.003	0
12	DCE12C	5.258	35478	0.005	0
13	CLFM	5.708	38043	0.004	0
14	TCA111	5.875	33451	0.003	0
15	CBTC	6.100	38798	0.003	0
16	DCA12	6.517	41311	0.005	0
17		6.958	16843	0.000	0
18	TCE	7.675	48509	0.004	0
19		8.150	9979	0.000	0
20		8.408	601	0.000	0
21	DCPE13C	9.708	1134257	0.938	0
22		10.742	1245	0.000	0
23	TCA112	11.025	30008	0.004	0
24	PCE	11.133	70257	0.006	0
25	CFB13	12.067	591749	0.996	0
26	PCA1112	12.683	50633	0.005	0
27		12.967	3532	0.000	0
28		13.250	720	0.000	0
29	PCA1122	14.583	61737	0.007	0
30		15.467	1243	0.000	0
31		16.867	877	0.000	0

Totals :

	2472984	2.014

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.003
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403A
Acquired : Apr 03, 1995 07:21:35
Printed : Apr 03, 1995 07:57:17
User : DQF



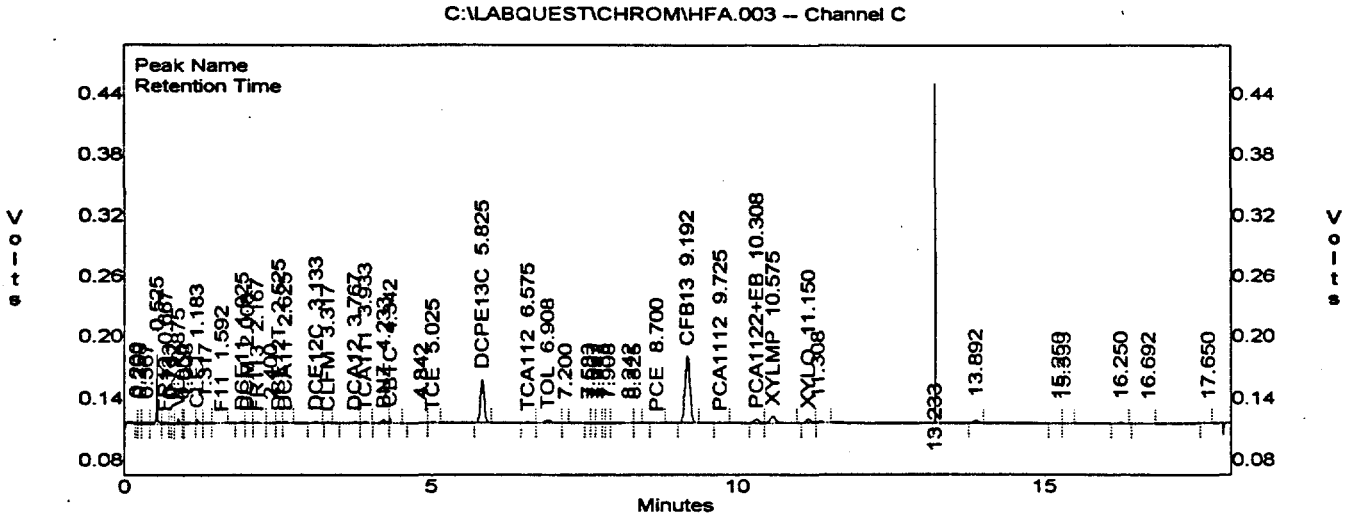
Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
--	VC	1.558	0	0.000	0
--	DCE11	3.283	0	0.000	0
1	DCE12T	4.042	1134	0.003	0
2	DCE12C	5.217	520	0.002	0
3	BNZ	6.392	767	0.004	0
4	TCE	7.625	856	0.002	0
5	DCPE13C	9.675	15061	0.982	0
6	TOL	10.200	1344	0.005	0
7	PCE	11.092	583	0.002	0
8	CFB13	12.025	52509	0.974	0
9	EB	12.692	1453	0.006	0
10	XYLMP	12.883	3903	0.012	0
11		13.233	2382	0.000	0
12	XYLO	13.458	1419	0.006	0
13		14.825	3136	0.000	0
14		16.792	1220	0.000	0
15		17.900	1612	0.000	0

Totals :

	87905	1.999

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.003
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403A
Acquired : Apr 03, 1995 07:21:35
Printed : Apr 03, 1995 07:57:18
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.200	3291	0.000	0
2		0.258	4724	0.000	0
3		0.367	11560	0.000	0
4		0.525	75886	0.000	0
5	FR12	0.667	11354	0.039	0
6		0.733	3827	0.000	0
7		0.792	5211	0.000	0
8	VC	0.875	16659	0.012	0
9		0.950	2563	0.000	0
10		1.008	13126	0.000	0
11	CLET	1.183	11996	0.010	0
12		1.317	5821	0.000	0
13	F11	1.592	4291	0.032	0
14	DCE11	1.925	3440	0.004	0
15	DCM	2.008	2054	0.005	0
16	FR113	2.167	2107	0.006	0
17		2.400	829	0.000	0
18	DCE12T	2.525	3849	0.005	0
19	DCA11	2.625	4143	0.005	0
20	DCE12C	3.133	4780	0.006	0
21	CLFM	3.317	1268	0.004	0
22	DCA12	3.767	5917	0.007	0
23	TCA111	3.933	5112	0.008	0
24	BNZ	4.233	14480	0.007	0
25	CBTC	4.342	4473	0.019	0
26		4.842	2682	0.000	0
27	TCE	5.025	4322	0.005	0
28	DCPE13C	5.825	181650	1.003	0
29	TCA112	6.575	3858	0.006	0
30	TOL	6.908	18174	0.006	0
31		7.200	636	0.000	0
32		7.583	820	0.000	0
33		7.667	733	0.000	0

Continued...

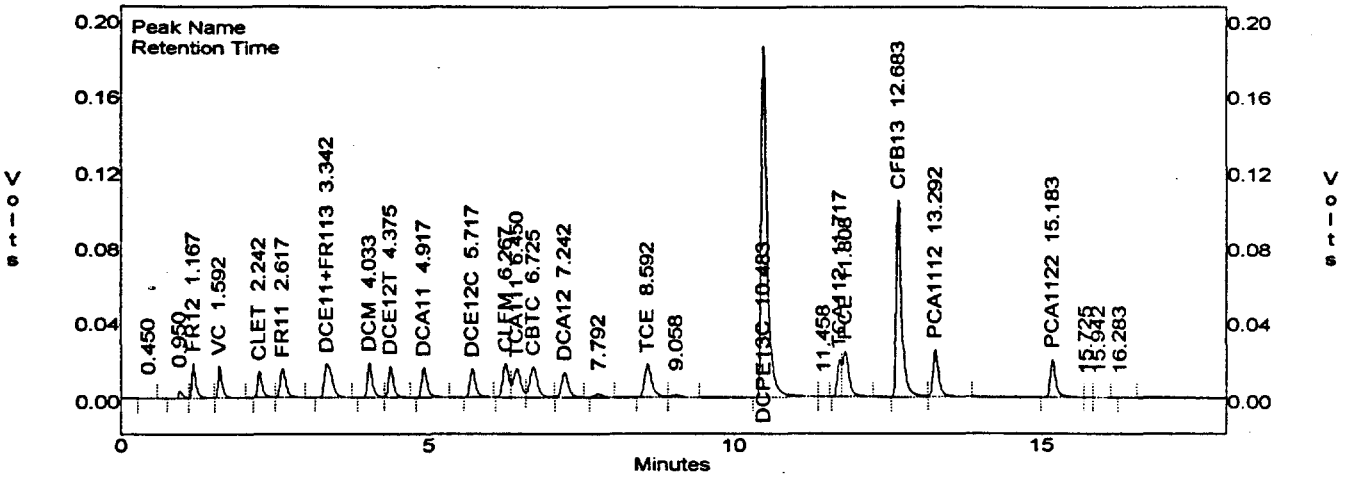
File : C:\LABQUEST\CHROM\HFA.003
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403A
Acquired : Apr 03, 1995 07:21:35
Printed : Apr 03, 1995 07:57:19
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		7.742	1025	0.000	0
35		7.833	703	0.000	0
36		7.908	927	0.000	0
37		8.242	3704	0.000	0
38		8.325	623	0.000	0
39	PCE	8.700	2885	0.005	0
40	CFB13	9.192	361518	0.993	0
41	PCA1112	9.725	3662	0.007	0
42	PCA1122+EB	10.308	18477	0.011	0
43	XYLMP	10.575	42999	0.012	0
44	XYLO	11.150	23140	0.006	0
45		11.308	6972	0.000	0
46		13.233	186575	0.000	0
47		13.892	12706	0.000	0
48		15.250	1836	0.000	0
49		15.333	1087	0.000	0
50		16.250	4170	0.000	0
51		16.692	1059	0.000	0
52		17.650	1209	0.000	0
Totals :			1110934	2.222	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.004
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403B
Acquired : Apr 03, 1995 07:45:40
Printed : Apr 03, 1995 08:11:39
User : DQF

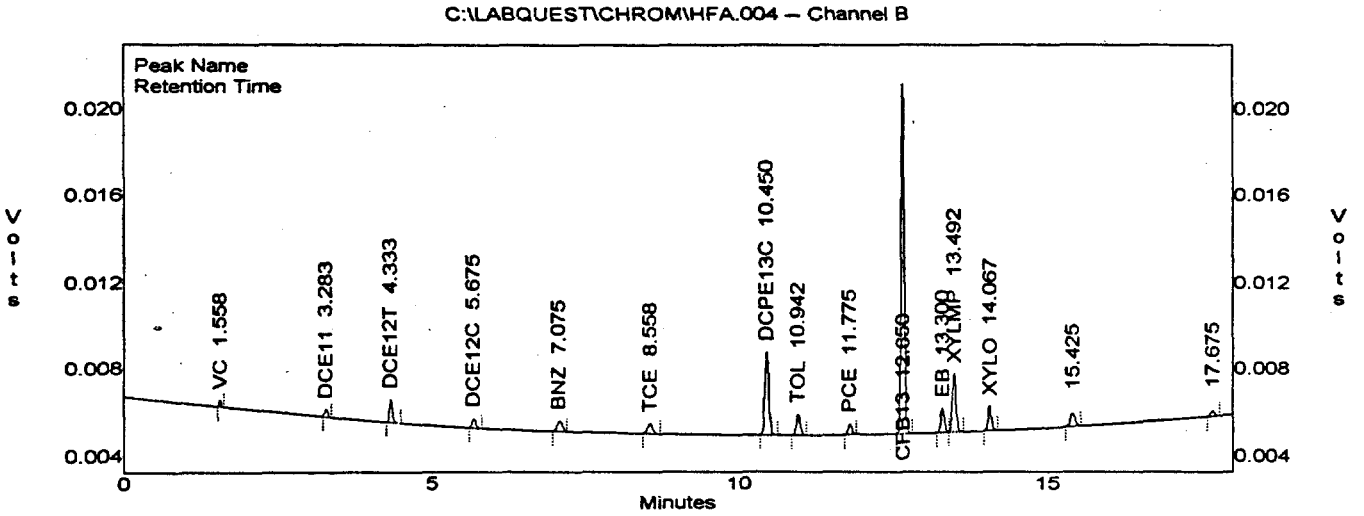
C:\LABQUEST\CHROM\HFA.004 -- Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.450	771	0.000	0
2		0.950	17503	0.000	0
3	FR12	1.167	78755	0.015	0
4	VC	1.592	74942	0.012	0
5	CLET	2.242	69697	0.015	0
6	FR11	2.617	95701	0.012	0
7	DCE11+FR113	3.342	153873	0.026	0
8	DCM	4.033	96439	0.012	0
9	DCE12T	4.375	89419	0.011	0
10	DCA11	4.917	97594	0.011	0
11	DCE12C	5.717	93285	0.012	0
12	CLFM	6.267	118355	0.013	0
13	TCA111	6.450	123625	0.012	0
14	CBTC	6.725	138427	0.012	0
15	DCA12	7.242	100658	0.013	0
16		7.792	14711	0.000	0
17	TCE	8.592	144675	0.012	0
18		9.058	11975	0.000	0
19	DCPE13C	10.483	1258715	1.041	0
20		11.458	1482	0.000	0
21	TCA112	11.717	85128	0.013	0
22	PCE	11.808	169086	0.015	0
23	CFB13	12.683	640362	1.078	0
24	PCA1112	13.292	161565	0.015	0
25	PCA1122	15.183	124476	0.015	0
26		15.725	771	0.000	0
27		15.942	1543	0.000	0
28		16.283	1234	0.000	0
Totals :			3964777	2.363	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.004
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403B
Acquired : Apr 03, 1995 07:45:40
Printed : Apr 03, 1995 08:11:41
User : DQF

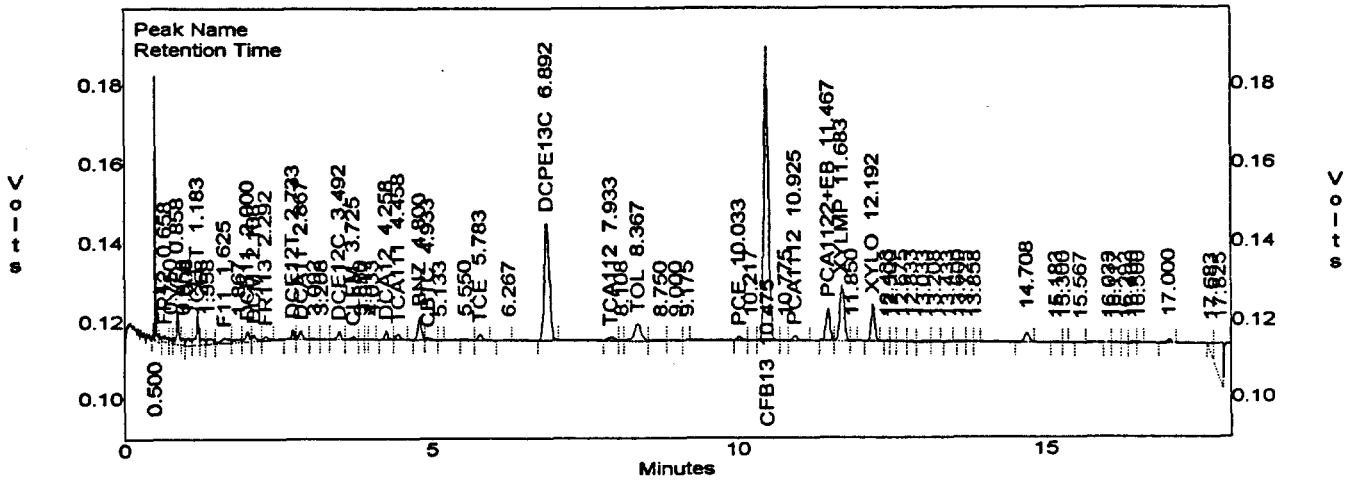


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	1.558	739	0.009	0
2	DCE11	3.283	1295	0.007	0
3	DCE12T	4.333	3540	0.008	0
4	DCE12C	5.675	1851	0.008	0
5	BNZ	7.075	2876	0.016	0
6	TCE	8.558	2834	0.008	0
7	DCPE13C	10.450	16639	1.085	0
8	TOL	10.942	4274	0.017	0
9	PCE	11.775	2062	0.008	0
10	CFB13	12.650	57182	1.061	0
11	EB	13.300	4639	0.018	0
12	XYLMP	13.492	11252	0.034	0
13	XYLO	14.067	4429	0.018	0
14		15.425	3325	0.000	0
15		17.675	1182	0.000	0
Totals :			118122	2.298	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.004
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403B
Acquired : Apr 03, 1995 07:45:40
Printed : Apr 03, 1995 08:11:43
User : DQF

C:\LABQUEST\CHROM\HFA.004 -- Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.500	63025	0.000	0
2	FR12	0.658	7725	0.026	0
3		0.750	3453	0.000	0
4	VC	0.858	23061	0.017	0
5		0.958	5848	0.000	0
6		1.008	11265	0.000	0
7	CLET	1.183	22790	0.018	0
8		1.258	7594	0.000	0
9		1.358	10385	0.000	0
10	F11	1.625	13749	0.102	0
11		1.867	7111	0.000	0
12	DCE11	2.000	12242	0.016	0
13	DCM	2.108	8081	0.020	0
14	FR113	2.292	6315	0.017	0
15	DCE12T	2.733	8351	0.011	0
16	DCA11	2.867	9884	0.011	0
17		3.092	1378	0.000	0
18		3.208	1045	0.000	0
19	DCE12C	3.492	9365	0.012	0
20	CLFM	3.725	4273	0.014	0
21		3.850	853	0.000	0
22		3.917	512	0.000	0
23		4.033	891	0.000	0
24	DCA12	4.258	9132	0.011	0
25	TCA111	4.458	8083	0.012	0
26	BNZ	4.800	23528	0.011	0
27	CBTC	4.933	3595	0.016	0
28		5.133	645	0.000	0
29		5.550	2051	0.000	0
30	TCE	5.783	8694	0.009	0
31		6.267	1275	0.000	0
32	DCPE13C	6.892	175199	0.967	0
33	TCA112	7.933	7701	0.011	0

Continued...

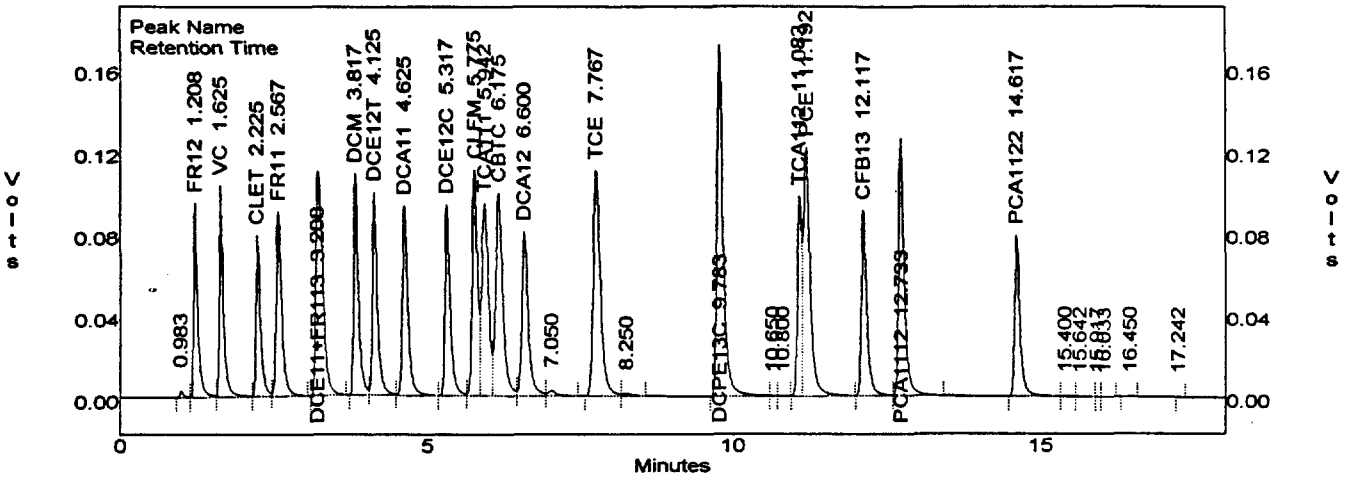
File : C:\LABQUEST\CHROM\HFA.004
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403B
Acquired : Apr 03, 1995 07:45:40
Printed : Apr 03, 1995 08:11:44
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		8.108	1088	0.000	0
35	TOL	8.367	36518	0.012	0
36		8.750	3986	0.000	0
37		9.000	2267	0.000	0
38		9.175	559	0.000	0
39	PCE	10.033	5519	0.010	0
40		10.217	929	0.000	0
41	CFB13	10.475	355752	0.977	0
42		10.775	1229	0.000	0
43	PCA1112	10.925	9374	0.017	0
44	PCA1122+EB	11.467	36067	0.022	0
45	XYLMP	11.683	72295	0.021	0
46		11.850	931	0.000	0
47	XYLO	12.192	40511	0.010	0
48		12.433	838	0.000	0
49		12.500	948	0.000	0
50		12.675	1889	0.000	0
51		12.833	2002	0.000	0
52		13.033	3747	0.000	0
53		13.208	2147	0.000	0
54		13.433	821	0.000	0
55		13.600	1283	0.000	0
56		13.725	880	0.000	0
57		13.858	738	0.000	0
58		14.708	13739	0.000	0
59		15.183	1191	0.000	0
60		15.300	559	0.000	0
61		15.567	835	0.000	0
62		16.033	963	0.000	0
63		16.117	2248	0.000	0
64		16.292	2016	0.000	0
65		16.400	3334	0.000	0
66		16.500	1346	0.000	0
67		17.000	4581	0.000	0
68		17.683	15754	0.000	0
69		17.825	75769	0.000	0
Totals :			1183782	2.372	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.005
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403C
Acquired : Apr 03, 1995 08:09:00
Printed : Apr 03, 1995 08:27:17
User : DQF

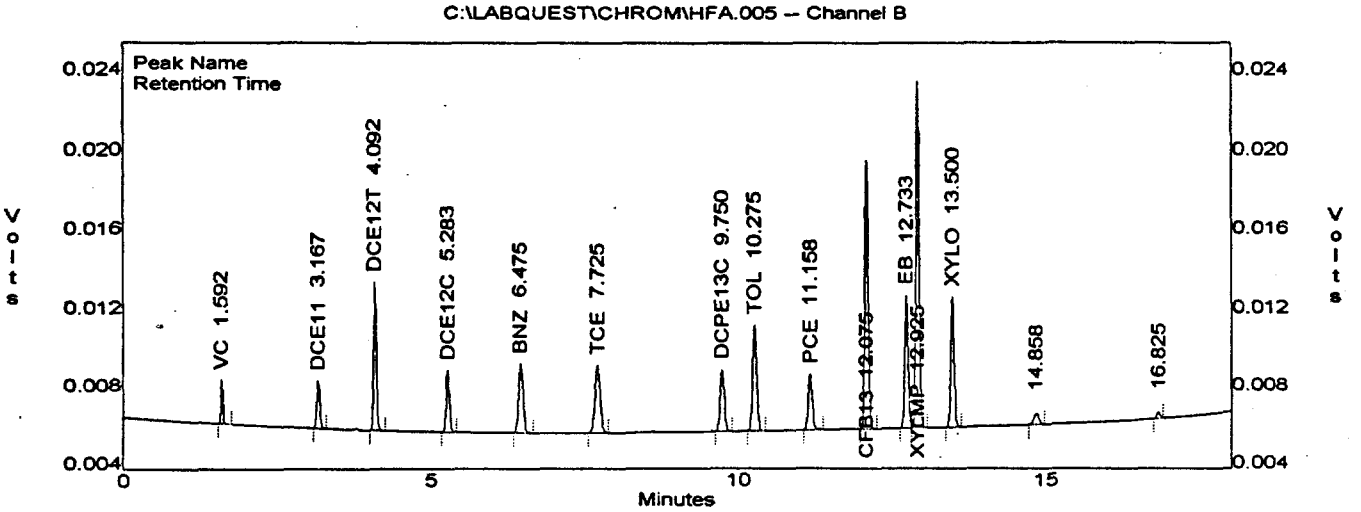
C:\LABQUEST\CHROM\HFA.005 — Channel A



Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.983	13041	0.000	0
2	FR12	1.208	406902	0.076	0
3	VC	1.625	454231	0.070	0
4	CLET	2.225	396938	0.088	0
5	FR11	2.567	554339	0.071	0
6	DCE11+FR113	3.208	863711	0.147	0
7	DCM	3.817	576298	0.073	0
8	DCE12T	4.125	553428	0.069	0
9	DCA11	4.625	576125	0.063	0
10	DCE12C	5.317	560327	0.072	0
11	CLFM	5.775	662925	0.074	0
12	TCA111	5.942	733413	0.070	0
13	CBTC	6.175	827237	0.070	0
14	DCA12	6.600	598146	0.075	0
15		7.050	23595	0.000	0
16	TCE	7.767	903836	0.074	0
17		8.250	14725	0.000	0
18	DCPE13C	9.783	1201597	0.993	0
19		10.650	1596	0.000	0
20		10.800	2862	0.000	0
21	TCA112	11.083	476113	0.070	0
22	PCE	11.192	912000	0.079	0
23	CFB13	12.117	567200	0.955	0
24	PCA1112	12.733	823841	0.077	0
25	PCA1122	14.617	483423	0.059	0
26		15.400	4012	0.000	0
27		15.642	2593	0.000	0
28		15.917	671	0.000	0
29		16.033	800	0.000	0
30		16.450	2093	0.000	0
31		17.242	713	0.000	0
Totals :			13198744	3.323	

Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.005
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403C
Acquired : Apr 03, 1995 08:09:00
Printed : Apr 03, 1995 08:27:19
User : DQF

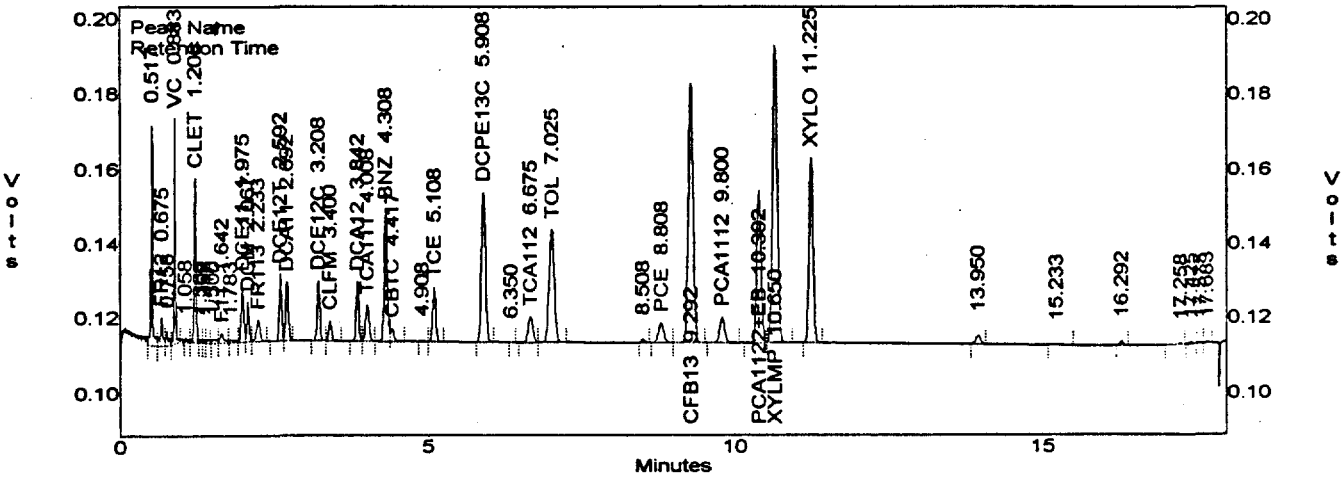


Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	1.592	4786	0.057	0
2	DCE11	3.167	8600	0.050	0
3	DCE12T	4.092	23143	0.053	0
4	DCE12C	5.283	12065	0.054	0
5	BNZ	6.475	18457	0.101	0
6	TCE	7.725	20816	0.056	0
7	DCPE13C	9.750	15045	0.981	0
8	TOL	10.275	25014	0.102	0
9	PCE	11.158	12774	0.052	0
10	CFB13	12.075	52485	0.974	0
11	EB	12.733	26502	0.101	0
12	XYLMP	12.925	65171	0.198	0
13	XYLO	13.500	25036	0.102	0
14		14.858	3276	0.000	0
15		16.825	1273	0.000	0
Totals :			314448	2.882	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.005
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403C
Acquired : Apr 03, 1995 08:09:00
Printed : Apr 03, 1995 08:27:20
User : DQF

C:\LABQUEST\CHROM\HFA.005 – Channel C



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.517	88739	0.000	0
2	FR12	0.675	21140	0.072	0
3		0.758	10373	0.000	0
4	VC	0.883	88779	0.066	0
5		1.058	3358	0.000	0
6	CLET	1.208	82964	0.066	0
7		1.300	2545	0.000	0
8		1.358	2683	0.000	0
9		1.417	3861	0.000	0
10		1.500	6445	0.000	0
11	F11	1.642	11574	0.086	0
12		1.783	4801	0.000	0
13	DCE11	1.975	43214	0.056	0
14	DCM	2.067	24747	0.063	0
15	FR113	2.233	23167	0.064	0
16	DCE12T	2.592	46001	0.062	0
17	DCA11	2.692	48284	0.056	0
18	DCE12C	3.208	46948	0.058	0
19	CLFM	3.400	17645	0.057	0
20	DCA12	3.842	50149	0.060	0
21	TCA111	4.008	39330	0.060	0
22	BNZ	4.308	127727	0.059	0
23	CBTC	4.417	12312	0.053	0
24		4.908	1195	0.000	0
25	TCE	5.108	52714	0.056	0
26	DCPE13C	5.908	183232	1.011	0
27		6.350	636	0.000	0
28	TCA112	6.675	38460	0.057	0
29	TOL	7.025	179914	0.059	0
30		8.508	3726	0.000	0
31	PCE	8.808	31423	0.056	0
32	CFB13	9.292	371366	1.020	0
33	PCA1112	9.800	37166	0.069	0

Continued...

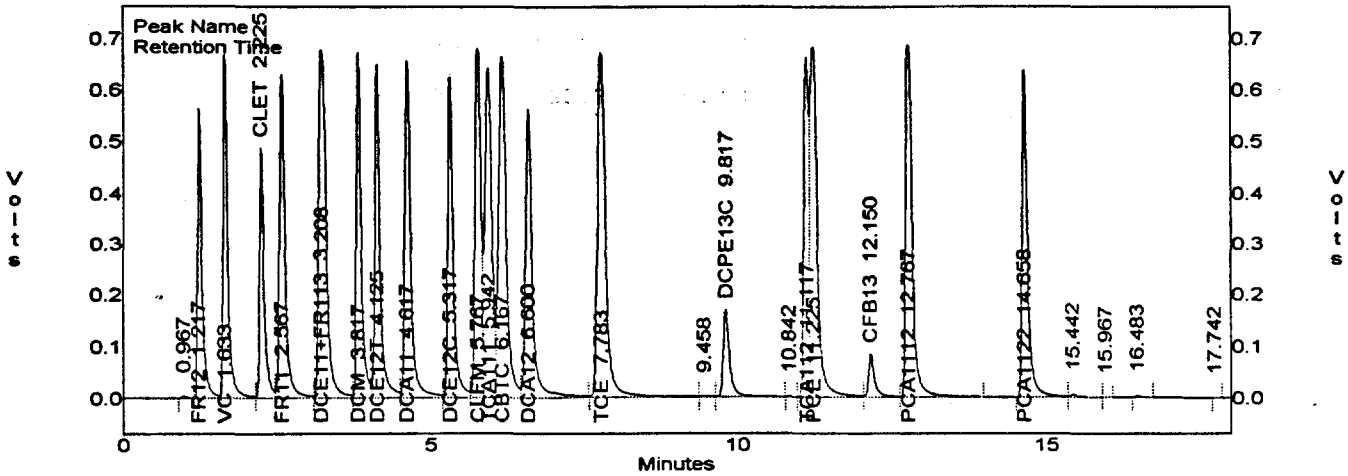
File : C:\LABQUEST\CHROM\HFA.005
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403C
Acquired : Apr 03, 1995 08:09:00
Printed : Apr 03, 1995 08:27:22
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34	PCA1122+EB	10.392	203140	0.123	0
35	XYLMP	10.650	413192	0.117	0
36	XYLO	11.225	227507	0.055	0
37		13.950	12875	0.000	0
38		15.233	2342	0.000	0
39		16.292	4437	0.000	0
40		17.258	1382	0.000	0
41		17.425	2002	0.000	0
42		17.575	1065	0.000	0
43		17.683	1563	0.000	0
Totals :			2576141	3.564	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel A: HECD
File : C:\LABQUEST\CHROM\HFA.006
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403D
Acquired : Apr 03, 1995 08:34:05
Printed : Apr 03, 1995 13:58:59
User : DQF

C:\LABQUEST\CHROM\HFA.006 – Channel A



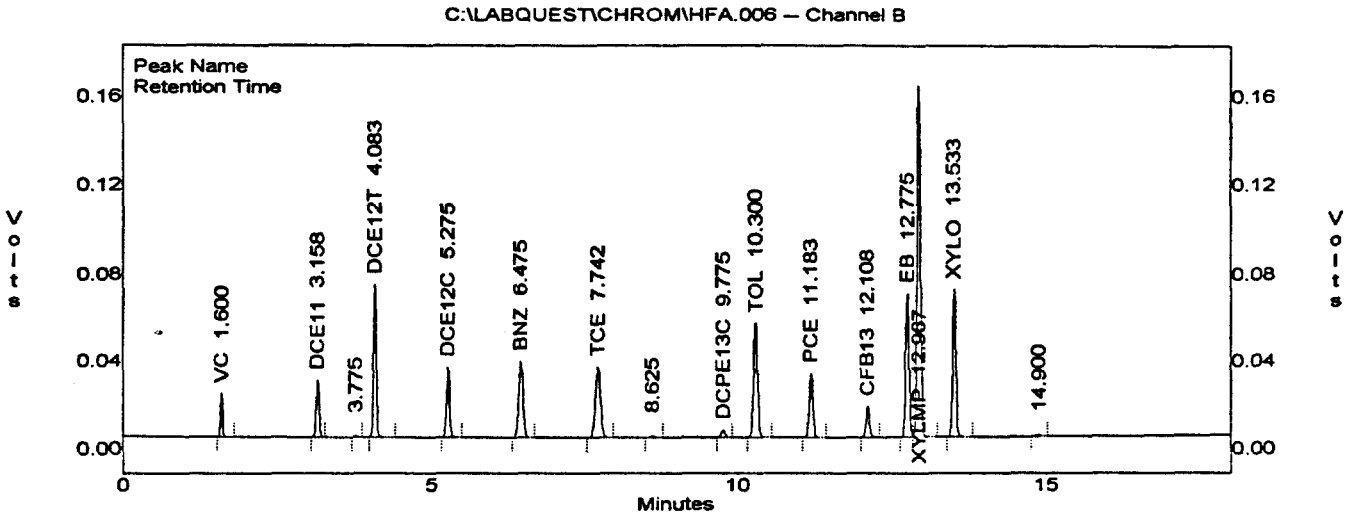
Channel A Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.967	25347	Calib	0
2	FR12	1.217	2760807	Calib	0
3	VC	1.633	3477720	Calib	0
4	CLET	2.225	2494589	Calib	0
5	FR11	2.567	4069767	Calib	0
6	DCE11+FR113	3.208	5894289	Calib	0
7	DCM	3.817	3850159	Calib	0
8	DCE12T	4.125	3857656	Calib	0
9	DCA11	4.617	4421729	Calib	0
10	DCE12C	5.317	3902604	Calib	0
11	CLFM	5.767	4551069	Calib	0
12	TCA111	5.942	5110685	Calib	0
13	CBTC	6.167	5827557	Calib	0
14	DCA12	6.600	4347060	Calib	0
15	TCE	7.783	6258282	Calib	0
16		9.458	18620	Calib	0
17	DCPE13C	9:817	1236781	Calib	0
18		10.842	5814	Calib	0
19	TCA112	11.117	3515600	Calib	0
20	PCE	11.225	5729438	Calib	0
21	CFB13	12.150	571298	Calib	0
22	PCA1112	12.767	5323304	Calib	0
23	PCA1122	14.658	4010895	Calib	0
24		15.442	48724	Calib	0
25		15.967	1170	Calib	0
26		16.483	17722	Calib	0
27		17.742	569	Calib	0

Totals :

	81329256	Calib

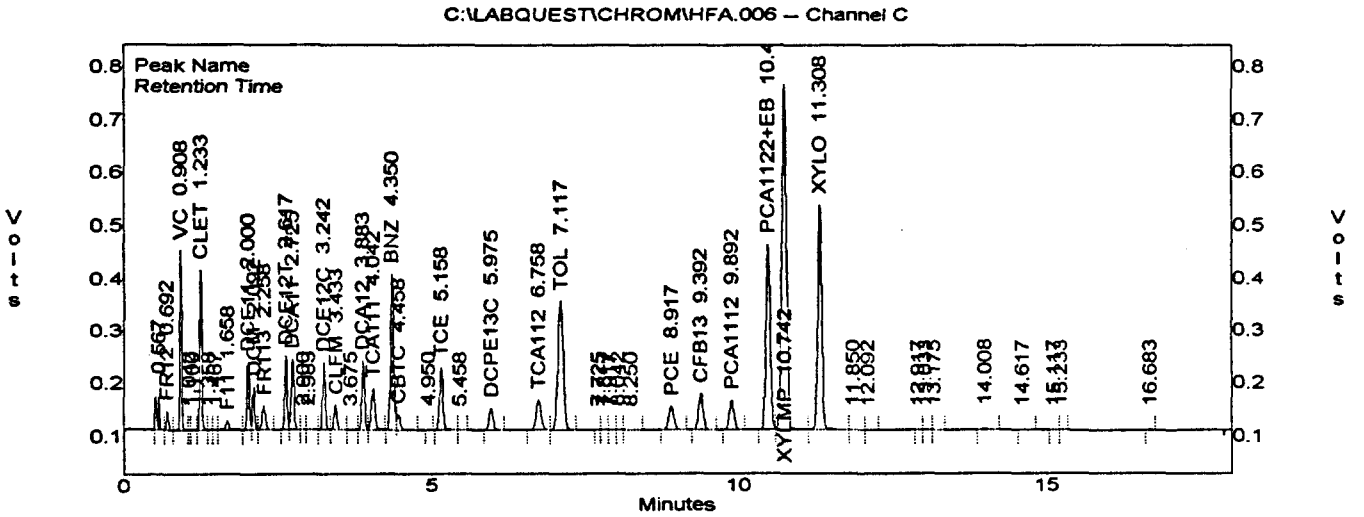
Hydro Geo Chem, Inc.
Huntinton Beach, California
ML-01, Channel B: PID
File : C:\LABQUEST\CHROM\HFA.006
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403D
Acquired : Apr 03, 1995 08:34:05
Printed : Apr 03, 1995 13:59:01
User : DQF



Channel B Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1	VC	1.600	44853	Calib	0
2	DCE11	3.158	85802	Calib	0
3		3.775	2150	Calib	0
4	DCE12T	4.083	211028	Calib	0
5	DCE12C	5.275	110871	Calib	0
6	BNZ	6.475	172153	Calib	0
7	TCE	7.742	190946	Calib	0
8		8.625	3216	Calib	0
9	DCPE13C	9.775	14445	Calib	0
10	TOL	10.300	235969	Calib	0
11	PCE	11.183	122331	Calib	0
12	CFB13	12.108	53075	Calib	0
13	EB	12.775	255098	Calib	0
14	XYLMP	12.967	619407	Calib	0
15	XYLO	13.533	249633	Calib	0
16		14.900	3590	Calib	0
Totals :			2374572	Calib	

Hydro Geo Chem, Inc.
Huntington Beach, California
ML-01, Channel C: FID
File : C:\LABQUEST\CHROM\HFA.006
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403D
Acquired : Apr 03, 1995 08:34:05
Printed : Apr 03, 1995 13:59:03
User : DQF



Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
1		0.567	182223	Calib	0
2	FR12	0.692	79920	Calib	0
3	VC	0.908	713898	Calib	0
4		1.042	2657	Calib	0
5		1.100	5399	Calib	0
6	CLET	1.233	681754	Calib	0
7		1.358	4395	Calib	0
8		1.467	2780	Calib	0
9	F11	1.658	69389	Calib	0
10	DCE11	2.000	358082	Calib	0
11	DCM	2.092	201230	Calib	0
12	FR113	2.258	185168	Calib	0
13	DCE12T	2.617	368294	Calib	0
14	DCA11	2.725	423172	Calib	0
15		2.900	2858	Calib	0
16		2.983	4289	Calib	0
17	DCE12C	3.242	390395	Calib	0
18	CLFM	3.433	154635	Calib	0
19		3.675	1227	Calib	0
20	DCA12	3.883	411005	Calib	0
21	TCA111	4.042	324242	Calib	0
22	BNZ	4.350	1067089	Calib	0
23	CBTC	4.458	106810	Calib	0
24		4.950	1349	Calib	0
25	TCE	5.158	448565	Calib	0
26		5.458	1025	Calib	0
27	DCPE13C	5.975	184298	Calib	0
28	TCA112	6.758	314747	Calib	0
29	TOL	7.117	1491954	Calib	0
30		7.725	1197	Calib	0
31		7.817	1808	Calib	0
32		7.917	2274	Calib	0
33		8.042	2174	Calib	0

Continued...

File : C:\LABQUEST\CHROM\HFA.006
Method : C:\LABQUEST\METHODS\HFA.MET
Sample ID : IC950403D
Acquired : Apr 03, 1995 08:34:05
Printed : Apr 03, 1995 13:59:05
User : DQF

Channel C Results

peak	Compound	RT	area	Conc (ug/l)	Rf
34		8.250	2872	Calib	0
35	PCE	8.917	262167	Calib	0
36	CFB13	9.392	367806	Calib	0
37	PCA1112	9.892	297312	Calib	0
38	PCA1122+EB	10.483	1701066	Calib	0
39	XYLMP	10.742	3477089	Calib	0
40	XYLO	11.308	1964136	Calib	0
41		11.850	4836	Calib	0
42		12.092	2554	Calib	0
43		12.917	982	Calib	0
44		13.033	1307	Calib	0
45		13.175	726	Calib	0
46		14.008	13483	Calib	0
47		14.617	2424	Calib	0
48		15.117	944	Calib	0
49		15.233	547	Calib	0
50		16.683	754	Calib	0

Totals :

		16291329	Calib