REPORT DOCUMENTATION PAGE

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	November 1996	Site Investigation Report

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Installation Restoration Program Site Investigation, Volume V, 133rd Airlift Wing, Minneapolis, Minnesota

5. FUNDING NUMBERS
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6. AUTHOR(S)
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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
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8. PERFORMING ORGANIZATION REPORT NUMBER

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Air National Guard Readiness Center/CEVR
3500 Fetchet Avenue
Andrews AFB MD 20762-5157

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13. ABSTRACT (Maximum 200 words)
A Site Investigation (SI) was conducted at four separate former underground storage tank (UST) locations. A total of nine USTs, at seven different locations, were removed as part of an on-going ANG tank removal program. Confirmation sampling performed at the time the tanks removed exhibited levels of contamination requiring further investigation at four of the locations, with two USTs at one of the locations. The former USTs were identified as; No. 591 adjacent to Building 659, No. 873 adjacent to Building 687, No. 801 adjacent to Building 680, and Nos. 651/652 adjacent to Building 665.

Volume V of this SI includes Appendix I (Concluded) - Analytical Data and QA/QC Evaluation Results.

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15. NUMBER OF PAGES
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Unclassified	Unclassified	Unclassified	none

SITE INVESTIGATION REPORT FOR FORMER UST SITE NOS. 1, 2, 3, AND 4

VOLUME V

APPENDIX I (Continued)

133rd AIRLIFT WING
MINNESOTA AIR NATIONAL GUARD
MINNESOTA AIR NATIONAL GUARD BASE
MINNEAPOLIS, MINNESOTA

NOVEMBER 1996

Prepared For

ANGRC/CEVR
ANDREWS AFB, MARYLAND

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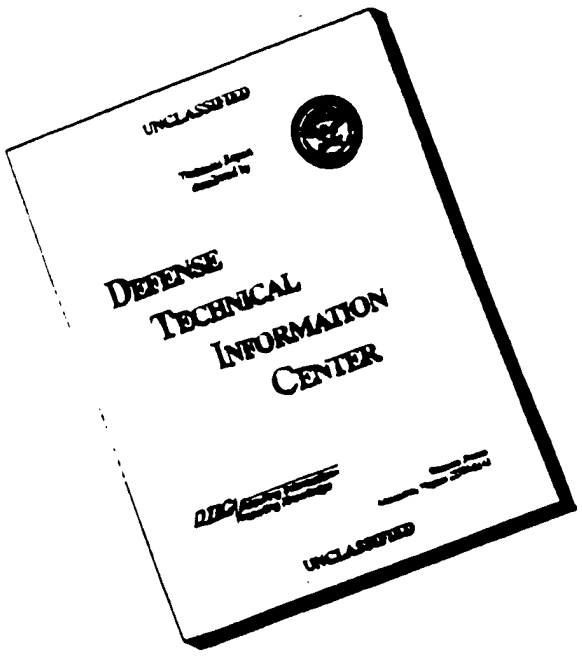

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SITE INVESTIGATION REPORT FOR FORMER UST SITE NOS. 1, 2, 3, AND 4

VOLUME V

APPENDIX I (Continued)

133rd AIRLIFT WING
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Prepared By

Operational Technologies Corporation
4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253
(210) 731-0000

1315-193

APPENDIX I

ANALYTICAL DATA AND QA/QC EVALUATION RESULTS

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95 - 08 - 461

Approved for release by:

M. Scott Sample Date: 8/30/95
M. Scott Sample, Laboratory Director

Karen Satterfield Date: 8/30/95
Karen Satterfield, Project Manager

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-01

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 08/29/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-003 BH 4-5'

PROJECT NO: 1315-193
MATRIX: SOIL
DATE SAMPLED: 08/10/95 08:50:0
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1 P	µg/Kg
TOLUENE	ND	1 P	µg/Kg
ETHYLBENZENE	ND	1 P	µg/K
TOTAL XYLENE	ND	1 P	µg/K
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	99		
4-Bromofluorobenzene	69		
METHOD 8020***			
Analyzed by: KA			
Date: 08/16/95			
GC/FID Diesel-Extractables	8.3	4	mg/K
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/22/95 04:30:00			
Sonication extraction	08/16/95		
METHOD 3550			
Analyzed by: RN			
Date: 08/16/95 09:00:00			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

Software Version: 3.2 <16C20>
Sample Name : 9508461-01A Time : 08/16/95 01:03
Sample Number: SC ;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/16/95 12:40
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__611.raw
Result File : l:\data\tchrom\btex\hp_o\00__611.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

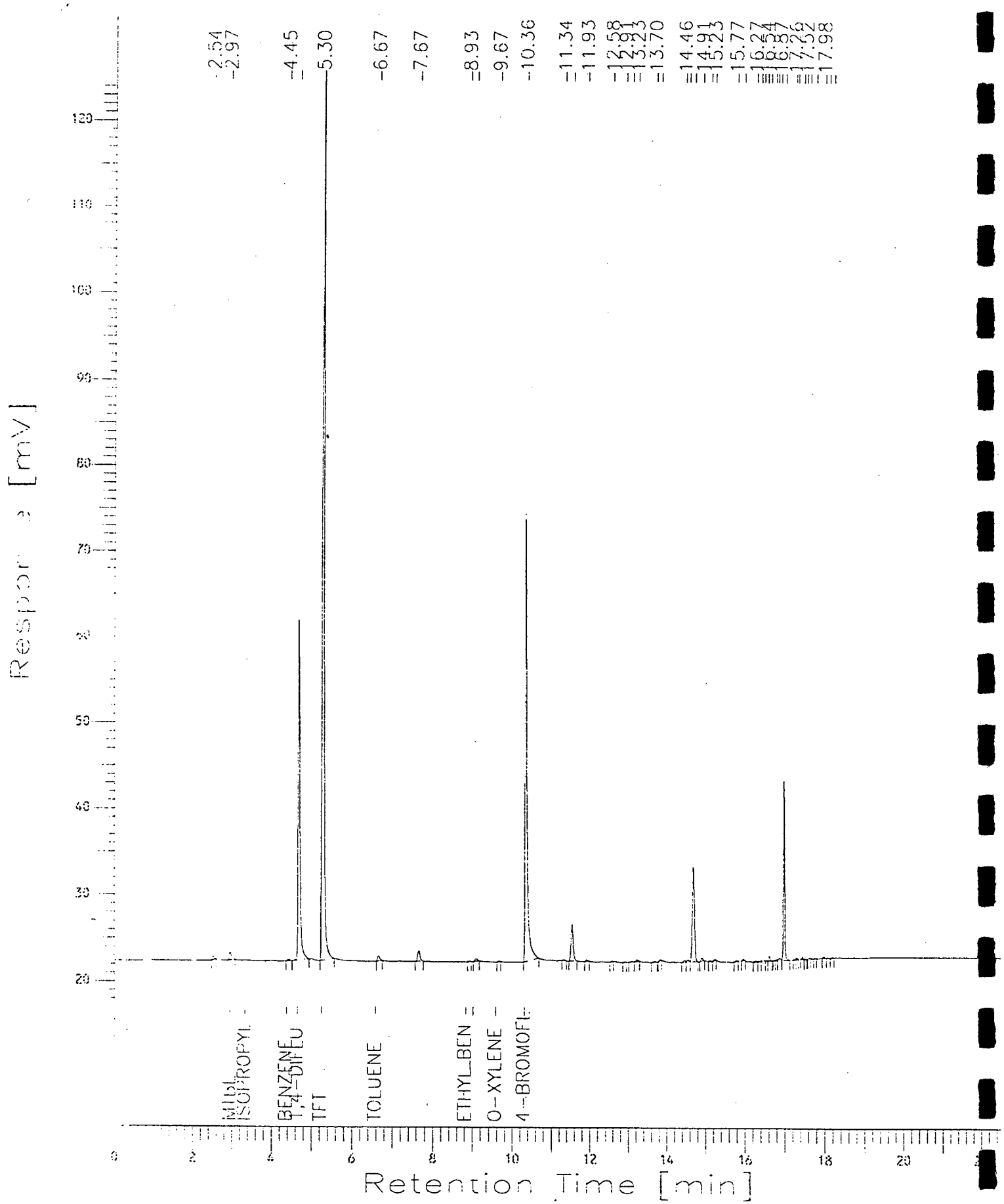
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.537	1341.54	445.72	BB	1.0000e6	----------	0.0013		0.0013
2	2.969	3511.73	923.09	BB	1698.2440	0.0108	2.0679	MTBE	2.0679
3	4.445	692.66	212.57	BB	4914.6006	0.0021	0.1409	Benzene	0.1409
4	4.704	124627.27	40222.59	BB	1257.8461	0.3815	99.0799	1,4-DIFLUOROBENZENE	99.0799
5	5.302	326679.63	102553.00	BB	----------	1.0000	0.0000	TFT	0.0000
6	6.674	2285.80	599.80	BB	4698.0288	0.0070	0.4866	Toluene	0.4866
7	7.668	5206.45	1239.39	BB	1.0000e6	----------	0.0052		0.0052
9	9.097	1292.55	316.62	BB	4437.0938	0.0040	0.2913	m and p Xylene	0.2913
11	10.356	176243.66	51827.93	BB	2549.1736	0.5395	69.1376	4-BROMOFLUOROBENZENE	69.1376
12	11.335	484.44	158.26	BB	1.0000e6	----------	0.0005		0.0005
13	11.550	16387.86	4253.66	BB	1.0000e6	----------	0.0164		0.0164
14	11.926	687.33	202.50	BB	1.0000e6	----------	0.0007		0.0007
17	13.087	309.07	77.92	BB	1.0000e6	----------	0.0003		0.0003
18	13.232	810.19	242.25	BB	1.0000e6	----------	0.0008		0.0008
19	13.699	525.33	97.45	BB	1.0000e6	----------	0.0005		0.0005
20	13.829	577.64	198.24	BB	1.0000e6	----------	0.0006		0.0006
21	14.462	1116.04	294.19	BV	1.0000e6	----------	0.0011		0.0011
22	14.553	1043.34	297.83	VV	1.0000e6	----------	0.0010		0.0010
23	14.695	42181.81	10938.96	VB	1.0000e6	----------	0.0422		0.0422
24	14.906	1343.66	408.58	BB	9.9999e5	----------	0.0013		0.0013
25	15.118	588.65	194.17	BB	1.0000e6	----------	0.0006		0.0006
26	15.225	653.60	222.64	BB	1.0000e6	----------	0.0007		0.0007
27	15.774	792.95	255.52	BB	1.0000e6	----------	0.0008		0.0008
28	15.961	613.57	230.13	BB	1.0000e6	----------	0.0006		0.0006
29	16.266	521.57	179.79	BB	9.9999e5	----------	0.0005		0.0005
30	16.382	638.71	176.12	BV	1.0000e6	----------	0.0006		0.0006
31	16.450	811.64	188.66	VV	1.0000e6	----------	0.0008		0.0008
33	16.617	1181.59	551.06	BB	1.0000e6	----------	0.0012		0.0012
34	16.732	305.17	132.02	BV	1.0000e6	----------	0.0003		0.0003
35	16.794	383.06	171.60	VV	1.0000e6	----------	0.0004		0.0004
36	16.872	1088.22	310.39	VV	9.9999e5	----------	0.0011		0.0011
37	16.987	45591.48	20826.67	VB	1.0000e6	----------	0.0456		0.0456
38	17.255	604.91	181.14	BV	9.9999e5	----------	0.0006		0.0006
39	17.302	560.19	258.54	VB	1.0000e6	----------	0.0006		0.0006
40	17.452	683.75	326.05	BB	1.0000e6	----------	0.0007		0.0007
42	17.614	342.65	117.99	BB	1.0000e6	----------	0.0003		0.0003
44	17.979	597.60	225.09	BV	1.0000e6	----------	0.0006		0.0006
46	18.198	374.49	156.14	BB	1.0000e6	----------	0.0004		0.0004
		763681.75	240214.25				171.3324		171.3324

END

Chromatogram

Sample Name : 9508461-01A
FileName : l:\data\tchrom\btex\hp_o\00__611.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: SC ;S;1 Page 1 of 1
Date : 08/16/95 01:04
Time of Injection: 08/16/95 12:40
Low Point : 17.24 mV High Point : 124.77 mV
Plot Scale: 108 mV



Software Version: 3.2 <16C20>
Sample Name : 9508461-01A
Sample Number: SC ;S
Operator : SEG

Time : 08/22/95 04:59
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/22/95 04:30
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__778.raw
Result File : l:\data\tchrom\pest\hp_t\TT__778.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.662	11038.00	9323.18	BB	5.0000e5	0.4605	381.9119		0.0221
2	0.821	2447779.50	979041.50	BV	5.0000e5	0.4605	381.9119		4.8956
3	0.957	738879.50	357143.22	VB	5.0000e5	0.4605	381.9119		1.4778
4	1.118	32765.06	15811.63	BV	5.0000e5	0.4605	381.9119		0.0655
5	1.236	69027.44	18731.99	VB	5.0000e5	0.4605	381.9119		0.1381
6	1.401	1063208.00	468034.09	BV	5.0000e5	0.4605	381.9119		2.1264
7	1.470	774663.94	321908.69	VV	5.0000e5	0.4605	381.9119		1.5493
8	1.598	7304.34	3237.65	VV	5.0000e5	0.4605	381.9119		0.0146
9	1.712	426147.69	138998.50	VB	5.0000e5	0.4605	381.9119		0.8523
10	1.957	70409.34	13207.31	BV	5.0000e5	0.4605	381.9119		0.1408
11	2.109	29962.31	7390.54	VE	5.0000e5	0.4605	381.9119		0.0599
12	2.215	2784.00	1200.12	EV	5.0000e5	0.4605	381.9119		0.0056
13	2.309	39511.75	8154.16	VV	4.9999e5	0.4605	381.9119		0.0790
14	2.503	49563.86	14844.64	VV	5.0000e5	0.4605	381.9119		0.0991
15	2.605	336724.44	75409.67	VE	5.0000e5	0.4605	381.9119		0.6735
16	2.746	57738.00	11294.30	EV	5.0000e5	0.4605	381.9119		0.1155
17	2.843	98776.69	27282.55	VV	4.9999e5	0.4605	381.9119		0.1976
18	3.004	131024.78	31248.75	VV	5.0000e5	0.4605	381.9119		0.2621
19	3.208	37205.03	5685.64	VV	4.9999e5	0.4605	381.9119		0.0744
20	3.359	186536.19	43875.02	VV	5.0000e5	0.4605	381.9119		0.3731
21	3.478	221548.66	55523.97	VV	5.0000e5	0.4605	381.9119		0.4431
22	3.588	54527.06	16956.19	VV	5.0000e5	0.4605	381.9119		0.1091
23	3.684	145389.67	36284.65	VV	5.0000e5	0.4605	381.9119		0.2908
24	3.828	373097.88	114649.48	VE	5.0000e5	0.4605	381.9119		0.7462
25	3.922	66367.00	18212.52	EV	5.0000e5	0.4605	381.9119		0.1327
26	4.034	112316.47	17290.98	VV	5.0000e5	0.4605	381.9119		0.2246
27	4.230	7874.20	2603.40	VV	5.0000e5	0.4605	381.9119		0.0158
28	4.352	29145.97	4607.70	VV	5.0000e5	0.4605	381.9119		0.0583
29	4.488	22689.69	7637.10	VV	5.0000e5	0.4605	381.9119		0.0454
30	4.563	35698.83	12387.16	VV	5.0000e5	0.4605	381.9119		0.0714
31	4.636	17993.16	4000.11	VV	5.0000e5	0.4605	381.9119		0.0360
32	4.770	7184.14	1921.20	VV	4.9999e5	0.4605	381.9119		0.0144
33	4.948	9751.25	2813.58	VV	5.0000e5	0.4605	381.9119		0.0195
34	5.067	2376.89	903.64	VB	4.9999e5	0.4605	381.9119		0.0048
35	5.190	884.00	241.79	BB	5.0000e5	0.4605	381.9119		0.0018
36	5.403	1645.00	420.26	BB	5.0000e5	0.4605	381.9119		0.0033
37	5.549	359.53	117.18	BV	5.0000e5	0.4605	381.9119		0.0007
38	5.623	786.44	166.52	VB	5.0000e5	0.4605	381.9119		0.0016
39	5.788	531.00	162.61	BV	1970.0000	0.4605	381.9119	2-FLUOROBIPHENYL	0.2695
40	5.869	947.00	367.80	VV	5.0000e5	0.4605	381.9119		0.0019
41	5.935	641.00	237.19	VV	5.0000e5	0.4605	381.9119		0.0013
42	6.034	964.00	263.65	VV	5.0000e5	0.4605	381.9119		0.0019
43	6.177	2719.00	981.25	VB	5.0000e5	0.4605	381.9119		0.0054
44	6.300	5957.66	1939.03	BV	5.0000e5	0.4605	381.9119		0.0119
45	6.400	134540.06	48933.45	VE	5.0000e5	0.4605	381.9119		0.2691
46	6.592	3823.00	1025.45	EV	5.0000e5	0.4605	381.9119		0.0077
47	6.664	5124.47	872.32	VE	5.0000e5	0.4605	381.9119		0.0103
48	6.924	593.00	149.57	EV	5.0000e5	0.4605	381.9119		0.0012
49	7.019	715.33	170.49	VV	4.9999e5	0.4605	381.9119		0.0014

50	7.113	1419.38	440.89	VV	5.0000e5	0.4605	381.9119		0.0028
51	7.273	1077.31	354.50	VV	5.0000e5	0.4605	381.9119		0.0022
52	7.404	4894.34	1916.89	VV	5.0000e5	0.4605	381.9119		0.0098
53	7.635	3063.75	532.69	VV	5.0000e5	0.4605	381.9119		0.0061
54	7.922	2764.34	639.34	VV	5.0000e5	0.4605	381.9119		0.0055
55	7.990	5409.44	1663.42	VE	1970.0000	0.4605	381.9119	Total Petroleum Hydr	2.7459
56	8.117	436.00	164.31	EV	5.0000e5	0.4605	381.9119		0.0009
57	8.260	598.09	112.19	VV	5.0000e5	0.4605	381.9119		0.0012
58	8.334	472.69	137.63	VB	5.0000e5	0.4605	381.9119		0.0010
59	8.517	1530.78	312.72	BV	5.0000e5	0.4605	381.9119		0.0031
60	8.650	820.06	226.69	VV	1970.0000	0.4605	381.9119	o-Terphenyl	0.4163
61	8.893	2183.69	301.48	VV	5.0000e5	0.4605	381.9119		0.0044
62	9.088	2388.19	332.03	VV	5.0000e5	0.4605	381.9119		0.0048
63	9.468	323.25	49.48	VB	5.0000e5	0.4605	381.9119		0.0007
64	9.670	141079.13	61452.71	BE	5.0000e5	0.4605	381.9119		0.2822
65	9.778	606.00	278.71	EV	5.0000e5	0.4605	381.9119		0.0012
66	9.871	719.08	255.54	VV	5.0000e5	0.4605	381.9119		0.0014
67	9.967	15780.34	2635.76	VV	4.9999e5	0.4605	381.9119		0.0316
68	10.147	3085.38	606.75	VV	5.0000e5	0.4605	381.9119		0.0062
69	10.355	914.64	260.74	VV	5.0000e5	0.4605	381.9119		0.0018
70	10.473	3727.66	1016.35	VV	5.0000e5	0.4605	381.9119		0.0075
71	10.645	1076.19	349.62	VB	5.0000e5	0.4605	381.9119		0.0022
72	10.856	9905.84	1584.17	BV	5.0000e5	0.4605	381.9119		0.0198
73	10.967	9589.53	2357.98	VV	5.0000e5	0.4605	381.9119		0.0192
74	11.068	7476.19	1884.62	VV	5.0000e5	0.4605	381.9119		0.0150
75	11.175	1900.25	633.32	VV	5.0000e5	0.4605	381.9119		0.0038
76	11.249	3245.19	678.24	VB	5.0000e5	0.4605	381.9119		0.0065
77	11.563	10775.50	1972.60	BV	5.0000e5	0.4605	381.9119		0.0216
78	11.751	2937.03	589.72	VV	5.0000e5	0.4605	381.9119		0.0059
79	11.832	258.16	100.57	VV	5.0000e5	0.4605	381.9119		0.0005
80	11.972	7482.53	2422.84	VV	5.0000e5	0.4605	381.9119		0.0150
81	12.177	79002.63	28569.73	VV	5.0000e5	0.4605	381.9119		0.1580
82	12.314	11602.13	2704.35	VV	5.0000e5	0.4605	381.9119		0.0232
83	12.436	6186.88	1369.90	VV	5.0000e5	0.4605	381.9119		0.0124
84	12.583	1257.17	342.79	VV	5.0000e5	0.4605	381.9119		0.0025
85	12.684	4163.25	1187.99	VV	5.0000e5	0.4605	381.9119		0.0083
86	12.846	4560.69	872.37	VV	5.0000e5	0.4605	381.9119		0.0091
87	13.001	4472.41	628.61	VV	5.0000e5	0.4605	381.9119		0.0089
88	13.237	12992.81	1999.27	VV	5.0000e5	0.4605	381.9119		0.0260
89	13.316	3787.66	1046.74	VV	5.0000e5	0.4605	381.9119		0.0076
90	13.402	4852.30	1014.74	VV	5.0000e5	0.4605	381.9119		0.0097
91	13.635	16016.44	1482.39	VV	5.0000e5	0.4605	381.9119		0.0320
92	13.727	4558.97	965.17	VV	5.0000e5	0.4605	381.9119		0.0091
93	13.816	10128.81	1532.27	VV	4.9999e5	0.4605	381.9119		0.0203
94	14.090	4404.16	1093.82	VB	4.9999e5	0.4605	381.9119		0.0088
95	14.208	1151.00	373.89	BB	5.0000e5	0.4605	381.9119		0.0023
		8294317.50	3.03e6			43.7427	36281.6289		20.0068

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.788	531.00	162.61	BV	1970.0000	0.4605	0.0622	2-FLUOROBIPHENYL	0.2695
3	8.650	820.06	226.69	VV	1970.0000	0.4605	0.0622	o-Terphenyl	0.4163
		1351.06	389.30			0.9209	0.1244		0.6858

END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__778.TXO

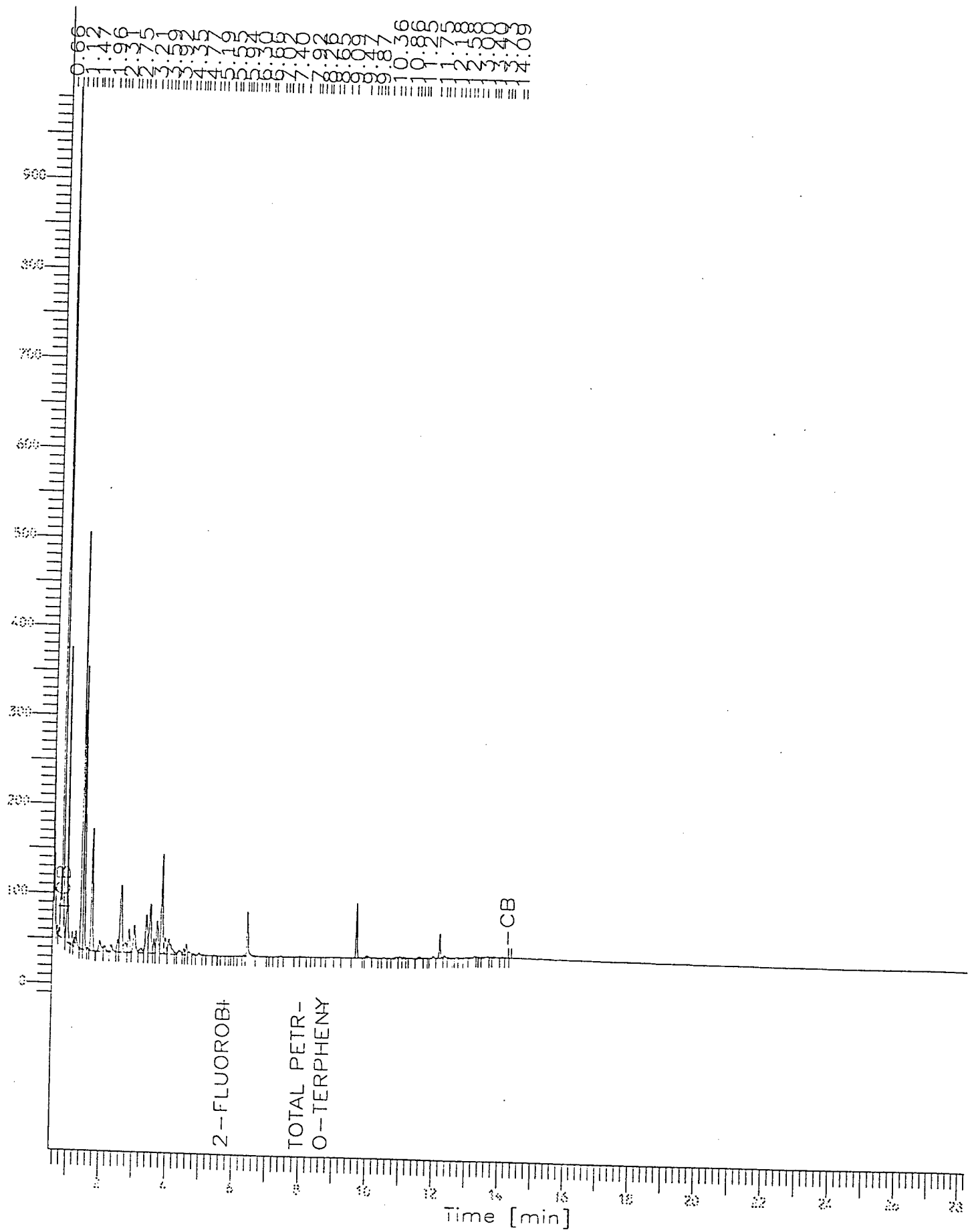
236.24 (0.3524)
(20/20)

Chromatogram

Sample Name : 9508461-01A
FileName : l:\data\tchrom\pest\hp_t\TT__778.raw
Method : DIESELT.ins
Start Time : 0.50 min
Scale Factor: 1

End Time : 28.25 min
Plot Offset: -13 mV

Sample #: SC ;S
Date : 08/22/95 04:59
Time of Injection: 08/22/95 04:30
Low Point : -12.83 mV
Plot Scale: 1013 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-02

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 08/29/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-003 BH 9-10'

PROJECT NO: 1315-193
MATRIX: SOIL
DATE SAMPLED: 08/10/95 08:50:0
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	1 P	µg/K
TOLUENE	ND	1 P	µg/Kg
ETHYLBENZENE	ND	1 P	µg/K
TOTAL XYLENE	ND	1 P	µg/K
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	101		
4-Bromofluorobenzene	65		
METHOD 8020***			
Analyzed by: KA			
Date: 08/16/95			
GC/FID Diesel-Extractables	9.3	4	mg/K
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/22/95 05:05:00			
Sonication extraction	08/16/95		
METHOD 3550			
Analyzed by: RN			
Date: 08/16/95 09:00:00			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

Software Version: 3.2 <16C20>
Sample Name : 9508461-02A Time : 08/16/95 01:31
Sample Number: SC ;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/16/95 01:08
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__612.raw
Result File : l:\data\tchrom\btex\hp_o\00__612.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.539	3253.66	661.72	BB	1.0000e6	----------	0.0033		0.0033
2	2.970	3859.91	981.17	BB	1738.6494	0.0115	2.2201	MTBE	2.2201
3	4.447	647.92	204.05	BB	5031.5313	0.0019	0.1288	Benzene	0.1288
4	4.705	130382.62	41324.29	BB	1287.7733	0.3898	101.2466	1,4-DIFLUOROBENZENE	101.2466
5	5.303	334452.13	103846.66	BB	----------	1.0000	0.0000	TFT	0.0000
6	6.178	27828.80	6459.04	BB	1.0000e6	----------	0.0278		0.0278
7	6.678	936.91	255.78	BB	4809.8066	0.0028	0.1948	Toluene	0.1948
8	7.669	4868.12	1167.47	BB	1.0000e6	----------	0.0049		0.0049
9	8.272	488.87	156.56	BB	9.9999e5	----------	0.0005		0.0005
10	8.917	744.15	222.99	BB	4318.6743	0.0022	0.1723	Ethyl_Benzene	0.1723
11	9.092	2651.06	668.14	BB	4542.6621	0.0079	0.5836	m and p Xylene	0.5836
12	9.664	898.08	249.43	BB	4291.9981	0.0027	0.2092	o-Xylene	0.2092
13	10.358	170005.47	49678.21	BB	2609.8247	0.5083	65.1406	4-BROMOFLUOROBENZENE	65.1406
15	11.552	41978.21	11002.93	BB	1.0000e6	----------	0.0420		0.0420
16	13.009	867.49	268.29	BB	1.0000e6	----------	0.0009		0.0009
17	14.696	75543.95	19508.73	BB	1.0000e6	----------	0.0755		0.0755
18	14.909	814.60	253.01	BB	1.0000e6	----------	0.0008		0.0008
19	15.117	1002.77	278.82	BB	1.0000e6	----------	0.0010		0.0010
20	15.284	857.54	221.58	BB	1.0000e6	----------	0.0009		0.0009
22	16.733	524.89	244.12	BB	1.0000e6	----------	0.0005		0.0005
23	16.989	73695.61	34225.32	BB	1.0000e6	----------	0.0737		0.0737
		876302.75	271878.25				170.1276		170.1276

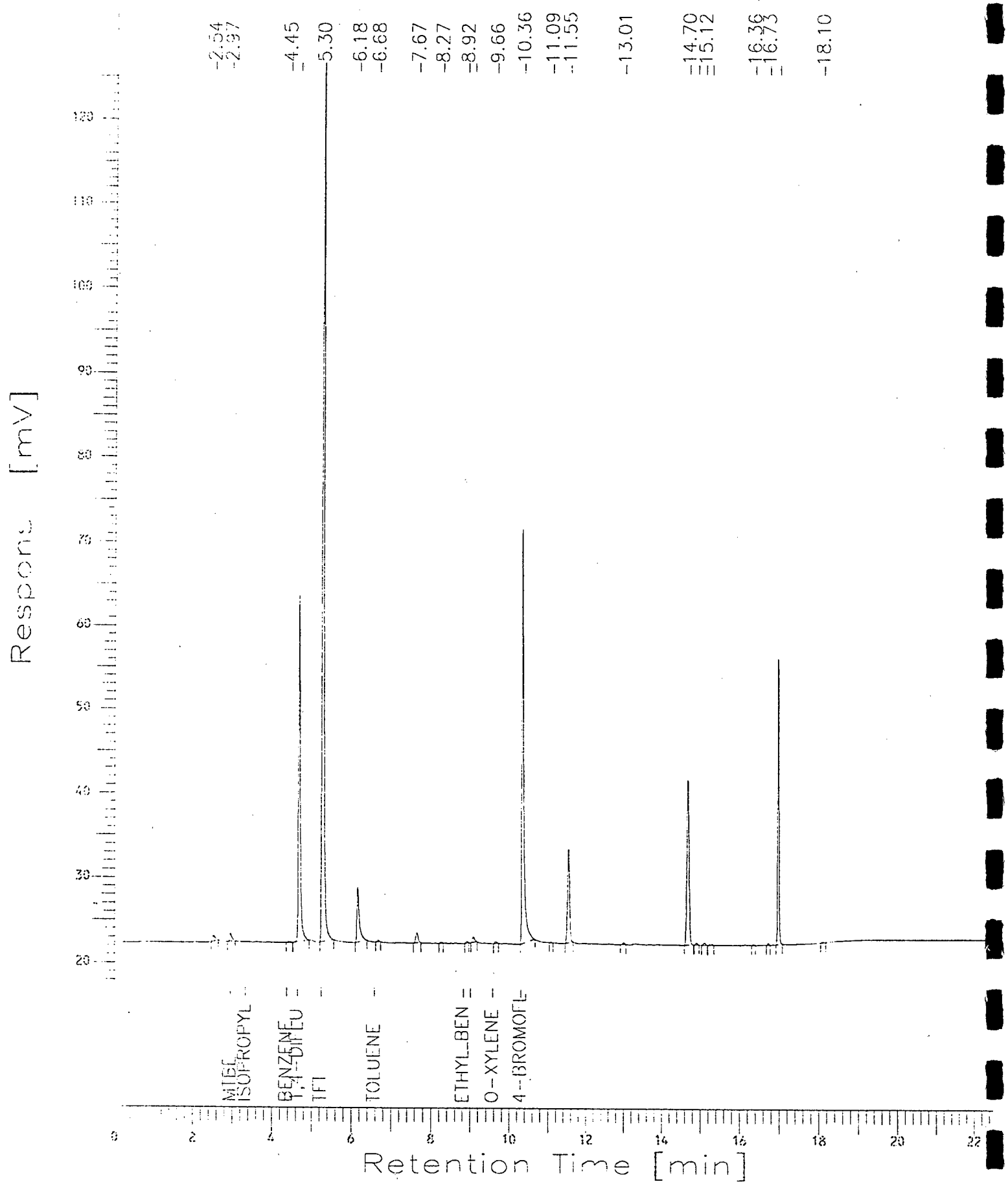
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__612.TXO

Chromatogram

Sample Name : 9508461-02A
FileName : l:\data\tchrom\btex\hp_o\00__612.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: SC ;S;1 Page 1 of 1
Date : 08/16/95 01:31
Time of Injection: 08/16/95 01:08
Low Point : 17.16 mV High Point : 125.64 mV
Plot Scale: 109 mV



Software Version: 3.2 <16C20>
Sample Name : 9508461-02A Time : 08/22/95 05:33
Sample Number: SC ;S Study : DROS
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/22/95 05:05
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__779.raw
Result File : l:\data\tchrom\pest\hp_t\TT__779.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

263.5n (0.3524)(2.0/20)

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.662	10251.00	8347.06	BB	5.0000e5	0.4605	394.7453		0.0205
2	0.823	2529730.50	998484.81	BV	5.0000e5	0.4605	394.7453		5.0595
3	0.960	768133.50	363131.56	VB	5.0000e5	0.4605	394.7453		1.5363
4	1.119	26784.39	13477.02	BV	5.0000e5	0.4605	394.7453		0.0536
5	1.237	66093.59	19257.92	VB	5.0000e5	0.4605	394.7453		0.1322
6	1.401	999395.00	426340.97	BV	5.0000e5	0.4605	394.7453		1.9988
7	1.469	727650.63	296213.94	VV	5.0000e5	0.4605	394.7453		1.4553
8	1.596	8483.33	3793.21	VB	5.0000e5	0.4605	394.7453		0.0170
9	1.711	405123.97	128279.23	BB	5.0000e5	0.4605	394.7453		0.8103
10	1.955	82066.38	16089.54	BV	5.0000e5	0.4605	394.7453		0.1641
11	2.105	39161.91	8100.19	VV	5.0000e5	0.4605	394.7453		0.0783
12	2.213	5373.28	1907.09	VV	4.9999e5	0.4605	394.7453		0.0108
13	2.306	41031.28	8373.32	VV	5.0000e5	0.4605	394.7453		0.0821
14	2.501	43257.61	15048.12	VV	5.0000e5	0.4605	394.7453		0.0865
15	2.598	363627.97	76453.49	VE	5.0000e5	0.4605	394.7453		0.7273
16	2.744	69692.00	14084.52	EV	5.0000e5	0.4605	394.7453		0.1394
17	2.840	102823.28	27722.70	VV	5.0000e5	0.4605	394.7453		0.2057
18	3.002	140915.50	31837.52	VV	5.0000e5	0.4605	394.7453		0.2818
19	3.204	46609.63	7191.68	VV	5.0000e5	0.4605	394.7453		0.0932
20	3.356	194111.47	51118.81	VV	5.0000e5	0.4605	394.7453		0.3882
21	3.473	272107.00	61856.32	VV	5.0000e5	0.4605	394.7453		0.5442
22	3.586	47316.31	16845.75	VV	5.0000e5	0.4605	394.7453		0.0946
23	3.683	182339.28	44330.54	VV	5.0000e5	0.4605	394.7453		0.3647
24	3.825	369426.78	106258.84	VV	5.0000e5	0.4605	394.7453		0.7389
25	3.919	83990.91	22596.14	VV	4.9999e5	0.4605	394.7453		0.1680
26	4.033	121118.84	18375.72	VV	5.0000e5	0.4605	394.7453		0.2422
27	4.228	9170.89	3002.45	VV	5.0000e5	0.4605	394.7453		0.0183
28	4.350	32686.59	4926.41	VV	4.9999e5	0.4605	394.7453		0.0654
29	4.486	22455.61	7412.25	VV	5.0000e5	0.4605	394.7453		0.0449
30	4.562	33943.48	11591.57	VV	4.9999e5	0.4605	394.7453		0.0679
31	4.635	18628.22	3936.57	VV	5.0000e5	0.4605	394.7453		0.0373
32	4.770	8100.47	2173.38	VV	5.0000e5	0.4605	394.7453		0.0162
33	4.947	9888.69	2743.03	VV	5.0000e5	0.4605	394.7453		0.0198
34	5.065	2823.39	1088.75	VB	5.0000e5	0.4605	394.7453		0.0057
35	5.186	1017.00	243.58	BB	5.0000e5	0.4605	394.7453		0.0020
36	5.405	2280.00	593.64	BB	5.0000e5	0.4605	394.7453		0.0046
37	5.549	520.02	153.90	BV	5.0000e5	0.4605	394.7453		0.0010
38	5.622	659.69	225.13	VV	5.0000e5	0.4605	394.7453		0.0013
39	5.693	560.39	160.92	VV	1970.0000	0.4605	394.7453	2-FLUOROBIPHENYL	0.2845
40	5.786	844.75	236.45	VV	5.0000e5	0.4605	394.7453		0.0017
41	5.865	1878.11	609.46	VV	5.0000e5	0.4605	394.7453		0.0038
42	5.933	1114.11	365.08	VV	4.9999e5	0.4605	394.7453		0.0022
43	6.034	2085.58	441.04	VV	5.0000e5	0.4605	394.7453		0.0042
44	6.174	4658.00	1387.09	VV	5.0000e5	0.4605	394.7453		0.0093
45	6.298	8428.69	2384.52	VV	5.0000e5	0.4605	394.7453		0.0169
46	6.399	145266.19	51941.15	VE	5.0000e5	0.4605	394.7453		0.2905
47	6.593	5089.00	1354.99	EV	5.0000e5	0.4605	394.7453		0.0102
48	6.663	8504.84	1271.04	VV	5.0000e5	0.4605	394.7453		0.0170
49	6.921	2149.56	421.50	VV	4.9999e5	0.4605	394.7453		0.0043

50	7.016	1822.50	401.14	VV	5.0000e5	0.4605	394.7453		0.0037
51	7.111	2819.75	653.11	VV	5.0000e5	0.4605	394.7453		0.0056
52	7.270	3177.06	685.96	VV	4.9999e5	0.4605	394.7453		0.0064
53	7.402	9117.53	2897.88	VV	4.9999e5	0.4605	394.7453		0.0182
54	7.634	6554.44	859.17	VV	5.0000e5	0.4605	394.7453		0.0131
55	7.919	4301.44	824.73	VV	4.9999e5	0.4605	394.7453		0.0086
56	7.988	8106.23	2388.28	VE	1970.0001	0.4605	394.7453	Total Petroleum Hydr	4.1148
57	8.114	1226.00	355.83	EV	5.0000e5	0.4605	394.7453		0.0025
58	8.332	3118.81	299.75	VV	5.0000e5	0.4605	394.7453		0.0062
59	8.516	3239.22	538.50	VV	5.0000e5	0.4605	394.7453		0.0065
60	8.648	1963.03	391.44	VV	1970.0000	0.4605	394.7453	o-Terphenyl	0.9965
61	8.886	3823.38	447.14	VV	5.0000e5	0.4605	394.7453		0.0077
62	9.023	1189.61	377.62	VV	5.0000e5	0.4605	394.7453		0.0024
63	9.088	2655.19	448.07	VV	5.0000e5	0.4605	394.7453		0.0053
64	9.281	1140.77	200.58	VV	5.0000e5	0.4605	394.7453		0.0023
65	9.347	698.30	229.81	VV	5.0000e5	0.4605	394.7453		0.0014
66	9.456	764.59	205.98	VV	5.0000e5	0.4605	394.7453		0.0015
67	9.669	147583.78	64122.39	VE	5.0000e5	0.4605	394.7453		0.2952
68	9.870	576.00	192.10	EV	4.9999e5	0.4605	394.7453		0.0012
69	9.967	13863.63	2155.09	VV	5.0000e5	0.4605	394.7453		0.0277
70	10.146	3937.13	784.98	VV	4.9999e5	0.4605	394.7453		0.0079
71	10.352	780.97	264.18	VB	5.0000e5	0.4605	394.7453		0.0016
72	10.470	4536.78	1415.83	BV	4.9999e5	0.4605	394.7453		0.0091
73	10.643	2038.22	729.51	VB	5.0000e5	0.4605	394.7453		0.0041
74	10.853	9717.00	1374.39	BV	5.0000e5	0.4605	394.7453		0.0194
75	10.966	8570.63	2084.39	VV	4.9999e5	0.4605	394.7453		0.0171
76	11.067	10639.88	1837.28	VV	5.0000e5	0.4605	394.7453		0.0213
77	11.250	2286.50	455.28	VB	5.0000e5	0.4605	394.7453		0.0046
78	11.572	11310.50	2722.56	BB	5.0000e5	0.4605	394.7453		0.0226
79	11.754	2629.00	611.81	BB	5.0000e5	0.4605	394.7453		0.0053
80	11.898	6786.56	2157.89	BV	5.0000e5	0.4605	394.7453		0.0136
81	11.970	10853.13	3130.69	VV	5.0000e5	0.4605	394.7453		0.0217
82	12.174	100734.84	36705.33	VE	5.0000e5	0.4605	394.7453		0.2015
83	12.311	7994.00	2120.23	EV	5.0000e5	0.4605	394.7453		0.0160
84	12.435	10102.66	3085.04	VE	4.9999e5	0.4605	394.7453		0.0202
85	12.586	442.00	159.09	EV	5.0000e5	0.4605	394.7453		0.0009
86	12.682	8015.91	2974.19	VV	5.0000e5	0.4605	394.7453		0.0160
87	12.842	5544.94	1432.51	VV	4.9999e5	0.4605	394.7453		0.0111
88	12.918	1336.94	401.29	VV	5.0000e5	0.4605	394.7453		0.0027
89	12.998	1986.30	476.18	VV	5.0000e5	0.4605	394.7453		0.0040
90	13.088	2247.34	511.65	VV	5.0000e5	0.4605	394.7453		0.0045
91	13.235	16514.81	4613.41	VV	5.0000e5	0.4605	394.7453		0.0330
92	13.312	4398.66	1375.34	VV	5.0000e5	0.4605	394.7453		0.0088
93	13.631	26484.13	2252.80	VV	5.0000e5	0.4605	394.7453		0.0530
94	13.726	3993.83	1131.24	VV	4.9999e5	0.4605	394.7453		0.0080
95	13.816	9414.94	1350.20	VV	5.0000e5	0.4605	394.7453		0.0188
96	14.090	9905.34	2745.22	VB	5.0000e5	0.4605	394.7453		0.0198
97	14.206	2718.00	855.02	BB	5.0000e5	0.4605	394.7453		0.0054
		8573032.00	3.04e6			44.6636	38290.3320		22.5206

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.693	560.39	160.92	BV	1970.0000	0.4605	0.1162	2-FLUOROBIPHENYL	0.2845
3	8.648	1963.03	391.44	VV	1970.0000	0.4605	0.1162	o-Terphenyl	0.9965
		2523.42	552.36			0.9209	0.2324		1.2809

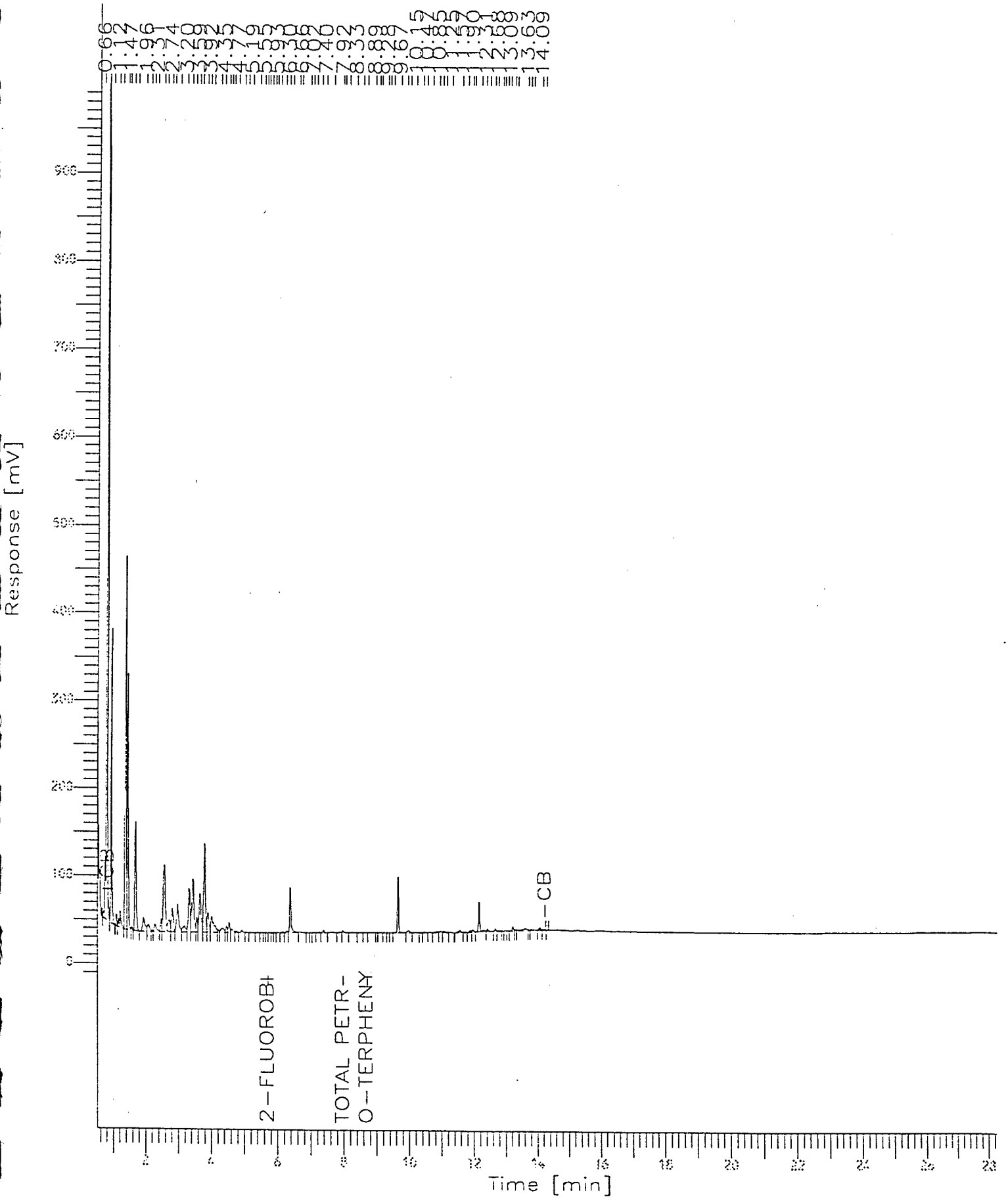
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__779.TXO

Chromatogram

Sample Name : 9508461-02A
FileName : l:\data\tchrom\pest\hp_t\TT__779.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -12 mV

Sample #: SC ;S
Date : 08/22/95 05:34
Time of Injection: 08/22/95 05:05
Low Point : -12.01 mV High Point : 1000.00 mV
Plot Scale: 1012 mV



HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-03

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 08/29/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-003 BH 9-10' MS

PROJECT NO: 1315-193
MATRIX: SOIL
DATE SAMPLED: 08/10/95 08:50:0
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	19	1 P	µg/K
TOLUENE	17	1 P	µg/Kg
ETHYLBENZENE	17	1 P	µg/K
TOTAL XYLENE	52	1 P	µg/K
TOTAL VOLATILE AROMATIC HYDROCARBONS	105		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	102		
4-Bromofluorobenzene	74		
METHOD 8020***			
Analyzed by: KA			
Date: 08/15/95			
GC/FID Diesel-Extractables	250	4	mg/K
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/22/95 02:10:00			
Sonication extraction	08/16/95		
METHOD 3550			
Analyzed by: RN			
Date: 08/16/95 09:00:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

Software Version: 3.2 <16C20>
Sample Name : 9508461-03A MS Time : 08/16/95 12:08
Sample Number: SC ;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/15/95 23:45
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__609.raw
Result File : l:\data\tchrom\btex\hp_o\00__609.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.093	5075.77	1932.96	BB	1.0000e6	----------	0.0051		0.0051
2	2.552	957.89	289.85	BB	1.0000e6	----------	0.0010		0.0010
3	3.028	51511.30	17590.08	BB	1887.9860	0.1418	27.2837	MTBE	27.2837
4	3.407	51066.79	16579.57	BB	2470.3799	0.1406	20.6716	ISOPROPYLETHER	20.6716
5	4.450	104470.23	34295.76	BV	5463.7002	0.2877	19.1208	Benzene	19.1208
6	4.716	142703.67	45614.81	VB	1398.3832	0.3929	102.0491	1,4-DIFLUOROBENZENE	102.0491
7	5.312	363178.97	112619.13	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.657	89263.38	27214.32	BB	5222.9312	0.2458	17.0907	Toluene	17.0907
9	7.673	3775.44	906.31	BB	1.0000e6	----------	0.0038		0.0038
10	8.882	79892.20	24930.83	BV	4689.6143	0.2200	17.0360	Ethyl_Benzene	17.0360
11	9.063	173281.08	50056.15	VB	4932.8423	0.4771	35.1280	m and p Xylene	35.1280
12	9.637	81547.01	25586.05	BB	4660.6475	0.2245	17.4969	o-Xylene	17.4969
13	10.356	209895.33	63644.51	BB	2833.9883	0.5779	74.0636	4-BROMOFLUOROBENZENE	74.0636
14	11.551	15717.64	4061.52	BB	9.9999e5	----------	0.0157		0.0157
16	13.883	378.72	65.95	BB	1.0000e6	----------	0.0004		0.0004
17	14.564	334.59	114.31	BV	1.0000e6	----------	0.0003		0.0003
18	14.697	36324.93	9391.13	VB	1.0000e6	----------	0.0363		0.0363
19	14.910	910.34	259.79	BB	1.0000e6	----------	0.0009		0.0009
20	15.121	364.85	110.11	BB	1.0000e6	----------	0.0004		0.0004
21	15.239	334.44	81.41	BB	1.0000e6	----------	0.0003		0.0003
27	16.623	377.97	161.67	BB	1.0000e6	----------	0.0004		0.0004
29	16.990	38280.48	17771.20	BB	1.0000e6	----------	0.0383		0.0383
		1449643.25	453277.38				330.0432		330.0432

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__609.TXO

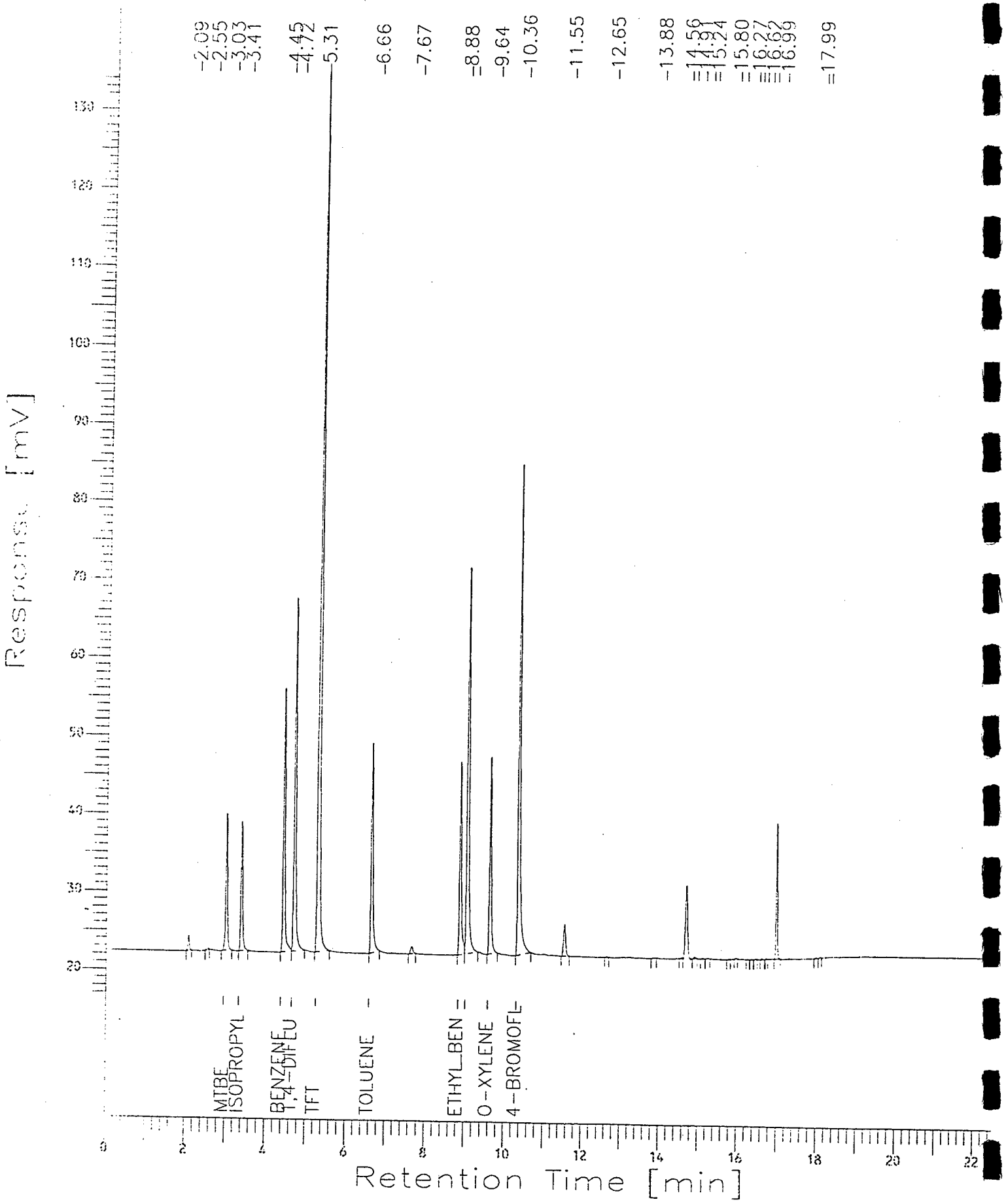
Chromatogram

Sample Name : 9508461-03A MS
FileName : l:\data\tchrom\btex\hp_o\00__609.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: SC ;S;1
Date : 08/16/95 12:08
Time of Injection: 08/15/95 23:45
Low Point : 16.75 mV
Plot Scale: 118 mV

High Point : 134.96 mV



Software Version: 3.2 <16C20>
Sample Name : 9508461-03A Time : 08/22/95 02:39
Sample Number: SC ;S Study : DROW
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/22/95 02:10
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__774.raw
Result File : l:\data\tchrom\pest\hp_t\TT__774.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.664	20460.98	17535.23	BB	5.0000e5	0.4605	3244.4192		0.0409
2	0.823	2531732.25	987947.81	BV	5.0000e5	0.4605	3244.4192		5.0635
3	0.956	1393035.75	706997.56	VB	5.0000e5	0.4605	3244.4192		2.7861
4	1.119	58902.72	26198.30	BV	5.0000e5	0.4605	3244.4192		0.1178
5	1.234	138271.72	38115.52	VV	5.0000e5	0.4605	3244.4192		0.2765
6	1.401	1555854.00	711761.63	VV	5.0000e5	0.4605	3244.4192		3.1117
7	1.469	1143319.50	499054.53	VB	5.0000e5	0.4605	3244.4192		2.2866
8	1.606	15831.47	5427.91	BV	5.0000e5	0.4605	3244.4192		0.0317
9	1.711	670102.00	207693.16	VB	5.0000e5	0.4605	3244.4192		1.3402
10	1.854	4544.38	1735.49	BV	5.0000e5	0.4605	3244.4192		0.0091
11	1.956	73935.75	14081.71	VV	5.0000e5	0.4605	3244.4192		0.1479
12	2.109	66137.41	13924.48	VV	5.0000e5	0.4605	3244.4192		0.1323
13	2.212	36574.92	10597.21	VV	5.0000e5	0.4605	3244.4192		0.0732
14	2.308	68808.00	14888.77	VB	5.0000e5	0.4605	3244.4192		0.1376
15	2.500	106819.64	33485.32	BV	5.0000e5	0.4605	3244.4192		0.2136
16	2.605	572573.75	136971.88	VE	5.0000e5	0.4605	3244.4192		1.1452
17	2.702	122335.00	25613.86	EV	5.0000e5	0.4605	3244.4192		0.2447
18	2.840	207910.72	50266.97	VV	5.0000e5	0.4605	3244.4192		0.4158
19	3.003	239942.08	72803.04	VV	5.0000e5	0.4605	3244.4192		0.4799
20	3.078	214046.36	67305.47	VV	5.0000e5	0.4605	3244.4192		0.4281
21	3.210	103738.47	20245.65	VV	5.0000e5	0.4605	3244.4192		0.2075
22	3.350	413778.84	98271.72	VV	5.0000e5	0.4605	3244.4192		0.8276
23	3.480	399135.00	91669.46	VV	5.0000e5	0.4605	3244.4192		0.7983
24	3.585	91521.19	30052.20	VV	5.0000e5	0.4605	3244.4192		0.1830
25	3.679	473702.78	75083.34	VV	5.0000e5	0.4605	3244.4192		0.9474
26	3.827	640014.94	183471.70	VV	5.0000e5	0.4605	3244.4192		1.2800
27	3.940	224976.30	49079.92	VV	5.0000e5	0.4605	3244.4192		0.4500
28	4.028	337066.50	67990.41	VV	5.0000e5	0.4605	3244.4192		0.6741
29	4.163	723052.13	179939.55	VV	5.0000e5	0.4605	3244.4192		1.4461
30	4.329	228943.44	48122.32	VV	5.0000e5	0.4605	3244.4192		0.4579
31	4.416	129577.11	41935.47	VV	4.9999e5	0.4605	3244.4192		0.2592
32	4.535	466268.00	62579.35	VV	5.0000e5	0.4605	3244.4192		0.9325
33	4.657	340040.69	82790.51	VV	5.0000e5	0.4605	3244.4192		0.6801
34	4.749	580939.63	96628.81	VV	4.9999e5	0.4605	3244.4192		1.1619
35	4.950	499673.94	85328.52	VV	5.0000e5	0.4605	3244.4192		0.9994
36	5.066	847182.50	294608.63	VV	5.0000e5	0.4605	3244.4192		1.6944
37	5.187	602664.75	96820.95	VV	5.0000e5	0.4605	3244.4192		1.2053
38	5.296	239306.14	80036.25	VV	5.0000e5	0.4605	3244.4192		0.4786
39	5.390	426099.34	78625.18	VV	5.0000e5	0.4605	3244.4192		0.8522
40	5.500	349835.81	91864.23	VV	5.0000e5	0.4605	3244.4192		0.6997
41	5.631	976002.75	184468.23	VV	5.0000e5	0.4605	3244.4192		1.9520
42	5.747	514089.25	79101.38	VV	1970.0000	0.4605	3244.4192	2-FLUOROBIPHENYL	260.9590
43	5.861	1669437.88	487889.88	VV	5.0000e5	0.4605	3244.4192		3.3389
44	5.990	481410.75	154167.64	VV	5.0000e5	0.4605	3244.4192		0.9628
45	6.046	933949.06	161573.52	VV	5.0000e5	0.4605	3244.4192		1.8679
46	6.220	728384.94	126120.27	VV	5.0000e5	0.4605	3244.4192		1.4568
47	6.340	586143.00	136202.64	VV	5.0000e5	0.4605	3244.4192		1.1723
48	6.402	811745.88	157224.17	VV	5.0000e5	0.4605	3244.4192		1.6235
49	6.494	427404.44	127316.22	VV	5.0000e5	0.4605	3244.4192		0.8548

50	6.597	2453220.00	518490.63	VV	5.0000e5	0.4605	3244.4192		4.9064
51	6.790	1450480.88	262314.59	VV	5.0000e5	0.4605	3244.4192		2.9010
52	6.936	980758.88	214239.09	VV	5.0000e5	0.4605	3244.4192		1.9615
53	7.023	1174085.13	239228.14	VV	5.0000e5	0.4605	3244.4192		2.3482
54	7.135	555231.50	127401.09	VV	5.0000e5	0.4605	3244.4192		1.1105
55	7.276	2225584.50	520871.84	VV	5.0000e5	0.4605	3244.4192		4.4512
56	7.360	716716.25	176098.73	VV	5.0000e5	0.4605	3244.4192		1.4334
57	7.526	1386961.00	193714.69	VV	5.0000e5	0.4605	3244.4192		2.7739
58	7.643	1670214.00	228820.59	VV	4.9999e5	0.4605	3244.4192		3.3404
59	7.748	851079.25	175974.34	VV	5.0000e5	0.4605	3244.4192		1.7022
60	7.914	3500893.75	576163.13	VV	1970.0000	0.4605	3244.4192	Total Petroleum Hydr	1777.1034
61	8.129	582851.19	152579.98	VV	5.0000e5	0.4605	3244.4192		1.1657
62	8.210	1274471.50	297073.44	VV	5.0000e5	0.4605	3244.4192		2.5489
63	8.283	1294108.13	200698.88	VV	5.0000e5	0.4605	3244.4192		2.5882
64	8.416	532219.75	142724.88	VV	4.9999e5	0.4605	3244.4192		1.0644
65	8.519	3910037.00	587133.56	VV	5.0000e5	0.4605	3244.4192		7.8201
66	8.797	1415665.25	193722.81	VV	1970.0000	0.4605	3244.4192	o-Terphenyl	718.6118
67	8.880	1701101.13	186764.73	VV	4.9999e5	0.4605	3244.4192		3.4022
68	9.086	2600944.75	509772.72	VV	5.0000e5	0.4605	3244.4192		5.2019
69	9.320	1594034.75	166960.09	VV	5.0000e5	0.4605	3244.4192		3.1881
70	9.469	1181119.13	159099.84	VV	5.0000e5	0.4605	3244.4192		2.3622
71	9.631	3091897.50	411877.91	VV	5.0000e5	0.4605	3244.4192		6.1838
72	9.853	885701.88	144140.45	VV	5.0000e5	0.4605	3244.4192		1.7714
73	9.963	1150879.75	125491.57	VV	5.0000e5	0.4605	3244.4192		2.3018
74	10.148	1805988.75	340357.13	VV	5.0000e5	0.4605	3244.4192		3.6120
75	10.349	581741.13	113726.73	VV	4.9999e5	0.4605	3244.4192		1.1635
76	10.453	487401.88	105964.15	VV	5.0000e5	0.4605	3244.4192		0.9748
77	10.522	532661.13	102992.11	VV	5.0000e5	0.4605	3244.4192		1.0653
78	10.646	1094120.88	221525.83	VV	5.0000e5	0.4605	3244.4192		2.1882
79	10.831	566399.69	67970.63	VV	5.0000e5	0.4605	3244.4192		1.1328
80	10.991	504413.59	59735.31	VV	5.0000e5	0.4605	3244.4192		1.0088
81	11.120	687009.88	139514.52	VV	5.0000e5	0.4605	3244.4192		1.3740
82	11.292	254543.97	41877.61	VV	5.0000e5	0.4605	3244.4192		0.5091
83	11.404	267792.25	33643.67	VV	5.0000e5	0.4605	3244.4192		0.5356
84	11.576	457130.19	63202.22	VV	5.0000e5	0.4605	3244.4192		0.9143
85	11.842	105699.03	14869.29	VV	5.0000e5	0.4605	3244.4192		0.2114
86	12.014	145714.91	26760.57	VV	5.0000e5	0.4605	3244.4192		0.2914
87	12.175	133091.38	22677.29	VV	5.0000e5	0.4605	3244.4192		0.2662
88	12.436	67050.38	11949.77	VV	5.0000e5	0.4605	3244.4192		0.1341
89	12.682	19226.69	3331.90	VV	5.0000e5	0.4605	3244.4192		0.0385
90	12.844	17718.59	4282.16	VV	4.9999e5	0.4605	3244.4192		0.0354
91	12.980	5456.67	1048.39	VV	4.9999e5	0.4605	3244.4192		0.0109
92	13.084	4895.95	970.91	VV	5.0000e5	0.4605	3244.4192		0.0098
93	13.235	14259.34	3968.91	VV	5.0000e5	0.4605	3244.4192		0.0285
94	13.313	3741.08	1135.08	VV	5.0000e5	0.4605	3244.4192		0.0075
95	13.400	3589.88	954.39	VV	5.0000e5	0.4605	3244.4192		0.0072
96	13.470	7156.13	1002.13	VV	5.0000e5	0.4605	3244.4192		0.0143
97	13.633	12827.94	1936.35	VV	5.0000e5	0.4605	3244.4192		0.0257
98	13.812	6849.56	1058.78	VV	5.0000e5	0.4605	3244.4192		0.0137
99	14.089	6371.41	1873.70	VB	5.0000e5	0.4605	3244.4192		0.0127
100	14.207	1613.50	540.13	BB	5.0000e5	0.4605	3244.4192		0.0032
		70461920.00	1.50e7			46.0450	3.2444e5		2886.7371

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.747	514089.25	79101.38	BV	1970.0000	0.4605	88.8556	2-FLUOROBIPHENYL	260.9590
3	8.797	1415665.25	193722.81	VV	1970.0000	0.4605	88.8556	o-Terphenyl	718.6118
		1929754.50	272824.19			0.9209	177.7111		979.5708

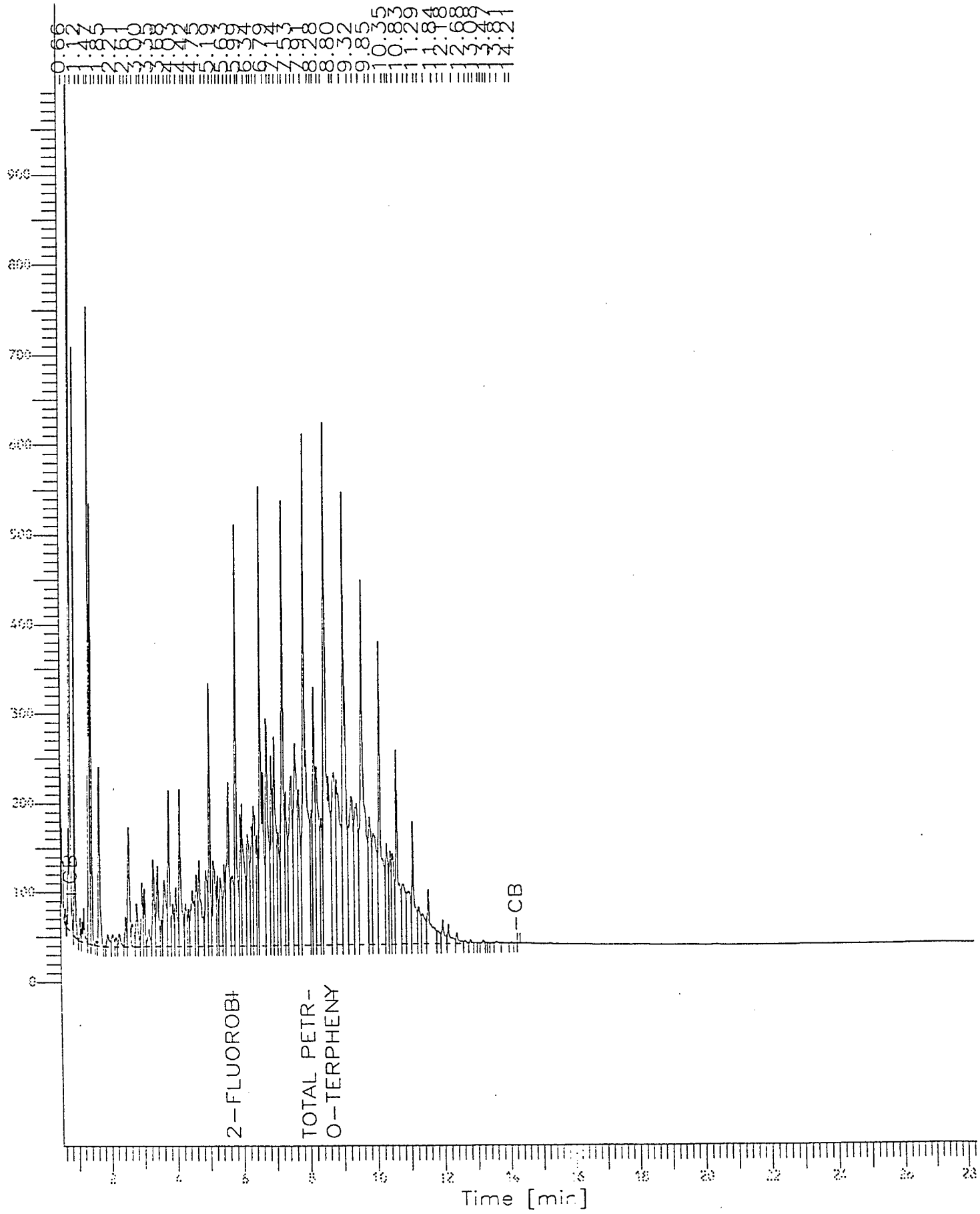
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__774.TXO

Chromatogram

Sample Name : 9508461-03A
FileName : l:\data\tchrom\pest\hp_t\TT__774.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -9 mV

Sample #: SC ;S
Date : 08/22/95 02:39
Time of Injection: 08/22/95 02:10
Low Point : -8.71 mV High Point : 1000.00 mV
Plot Scale: 1009 mV



Software Version: 3.2 <16C20>
Sample Name : 9508461-03A
Sample Number: SC ;S
Operator : SEG

Time : 08/22/95 02:39
Study : DROW

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/22/95 02:10
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__774.raw
Result File : l:\data\tchrom\pest\hp_t\TT__774.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.664	20460.98	17535.23	BB	5.0000e5	0.4605	3244.4192		0.0409
2	0.823	2531732.25	987947.81	BV	5.0000e5	0.4605	3244.4192		5.0635
3	0.956	1393035.75	706997.56	VB	5.0000e5	0.4605	3244.4192		2.7861
4	1.119	58902.72	26198.30	BV	5.0000e5	0.4605	3244.4192		0.1178
5	1.234	138271.72	38115.52	VV	5.0000e5	0.4605	3244.4192		0.2765
6	1.401	1555854.00	711761.63	VV	5.0000e5	0.4605	3244.4192		3.1117
7	1.469	1143319.50	499054.53	VB	5.0000e5	0.4605	3244.4192		2.2866
8	1.606	15831.47	5427.91	BV	5.0000e5	0.4605	3244.4192		0.0317
9	1.711	670102.00	207693.16	VB	5.0000e5	0.4605	3244.4192		1.3402
10	1.854	4544.38	1735.49	BV	5.0000e5	0.4605	3244.4192		0.0091
11	1.956	73935.75	14081.71	VV	5.0000e5	0.4605	3244.4192		0.1479
12	2.109	66137.41	13924.48	VV	5.0000e5	0.4605	3244.4192		0.1323
13	2.212	36574.92	10597.21	VV	5.0000e5	0.4605	3244.4192		0.0732
14	2.308	68808.00	14888.77	VB	5.0000e5	0.4605	3244.4192		0.1376
15	2.500	106819.64	33485.32	BV	5.0000e5	0.4605	3244.4192		0.2136
16	2.605	572573.75	136971.88	VE	5.0000e5	0.4605	3244.4192		1.1452
17	2.702	122335.00	25613.86	EV	5.0000e5	0.4605	3244.4192		0.2447
18	2.840	207910.72	50266.97	VV	5.0000e5	0.4605	3244.4192		0.4158
19	3.003	239942.08	72803.04	VV	5.0000e5	0.4605	3244.4192		0.4799
20	3.078	214046.36	67305.47	VV	5.0000e5	0.4605	3244.4192		0.4281
21	3.210	103738.47	20245.65	VV	5.0000e5	0.4605	3244.4192		0.2075
22	3.350	413778.84	98271.72	VV	5.0000e5	0.4605	3244.4192		0.8276
23	3.480	399135.00	91669.46	VV	5.0000e5	0.4605	3244.4192		0.7983
24	3.585	91521.19	30052.20	VV	5.0000e5	0.4605	3244.4192		0.1830
25	3.679	473702.78	75083.34	VV	5.0000e5	0.4605	3244.4192		0.9474
26	3.827	640014.94	183471.70	VV	5.0000e5	0.4605	3244.4192		1.2800
27	3.940	224976.30	49079.92	VV	5.0000e5	0.4605	3244.4192		0.4500
28	4.028	337066.50	67990.41	VV	5.0000e5	0.4605	3244.4192		0.6741
29	4.163	723052.13	179939.55	VV	5.0000e5	0.4605	3244.4192		1.4461
30	4.329	228943.44	48122.32	VV	5.0000e5	0.4605	3244.4192		0.4579
31	4.416	129577.11	41935.47	VV	4.9999e5	0.4605	3244.4192		0.2592
32	4.535	466268.00	62579.35	VV	5.0000e5	0.4605	3244.4192		0.9325
33	4.657	340040.69	82790.51	VV	5.0000e5	0.4605	3244.4192		0.6801
34	4.749	580939.63	96628.81	VV	4.9999e5	0.4605	3244.4192		1.1619
35	4.950	499673.94	85328.52	VV	5.0000e5	0.4605	3244.4192		0.9994
36	5.066	847182.50	294608.63	VV	5.0000e5	0.4605	3244.4192		1.6944
37	5.187	602664.75	96820.95	VV	5.0000e5	0.4605	3244.4192		1.2053
38	5.296	239306.14	80036.25	VV	5.0000e5	0.4605	3244.4192		0.4786
39	5.390	426099.34	78625.18	VV	5.0000e5	0.4605	3244.4192		0.8522
40	5.500	349835.81	91864.23	VV	5.0000e5	0.4605	3244.4192		0.6997
41	5.631	976002.75	184468.23	VV	5.0000e5	0.4605	3244.4192		1.9520
42	5.747	514089.25	79101.38	VV	1970.0000	0.4605	3244.4192	2-FLUOROBIPHENYL	260.9590
43	5.861	1669437.88	487889.88	VV	5.0000e5	0.4605	3244.4192		3.3389
44	5.990	481410.75	154167.64	VV	5.0000e5	0.4605	3244.4192		0.9628
45	6.046	933949.06	161573.52	VV	5.0000e5	0.4605	3244.4192		1.8679
46	6.220	728384.94	126120.27	VV	5.0000e5	0.4605	3244.4192		1.4568
47	6.340	586143.00	136202.64	VV	5.0000e5	0.4605	3244.4192		1.1723
48	6.402	811745.88	157224.17	VV	5.0000e5	0.4605	3244.4192		1.6235
49	6.494	427404.44	127316.22	VV	5.0000e5	0.4605	3244.4192		0.8548

[redacted]0	6.597	2453220.00	518490.63	VV	5.0000e5	0.4605	3244.4192		4.9064
[redacted]1	6.790	1450480.88	262314.59	VV	5.0000e5	0.4605	3244.4192		2.9010
[redacted]2	6.936	980758.88	214239.09	VV	5.0000e5	0.4605	3244.4192		1.9615
53	7.023	1174085.13	239228.14	VV	5.0000e5	0.4605	3244.4192		2.3482
54	7.135	555231.50	127401.09	VV	5.0000e5	0.4605	3244.4192		1.1105
[redacted]5	7.276	2225584.50	520871.84	VV	5.0000e5	0.4605	3244.4192		4.4512
[redacted]6	7.360	716716.25	176098.73	VV	5.0000e5	0.4605	3244.4192		1.4334
57	7.526	1386961.00	193714.69	VV	5.0000e5	0.4605	3244.4192		2.7739
58	7.643	1670214.00	228820.59	VV	4.9999e5	0.4605	3244.4192		3.3404
[redacted]9	7.748	851079.25	175974.34	VV	5.0000e5	0.4605	3244.4192		1.7022
[redacted]0	7.914	3500893.75	576163.13	VV	1970.0000	0.4605	3244.4192	Total Petroleum Hydr	1777.1034
[redacted]1	8.129	582851.19	152579.98	VV	5.0000e5	0.4605	3244.4192		1.1657
62	8.210	1274471.50	297073.44	VV	5.0000e5	0.4605	3244.4192		2.5489
[redacted]3	8.283	1294108.13	200698.88	VV	5.0000e5	0.4605	3244.4192		2.5882
[redacted]4	8.416	532219.75	142724.88	VV	4.9999e5	0.4605	3244.4192		1.0644
[redacted]5	8.519	3910037.00	587133.56	VV	5.0000e5	0.4605	3244.4192		7.8201
66	8.797	1415665.25	193722.81	VV	1970.0000	0.4605	3244.4192	o-Terphenyl	718.6118
67	8.880	1701101.13	186764.73	VV	4.9999e5	0.4605	3244.4192		3.4022
[redacted]8	9.086	2600944.75	509772.72	VV	5.0000e5	0.4605	3244.4192		5.2019
[redacted]9	9.320	1594034.75	166960.09	VV	5.0000e5	0.4605	3244.4192		3.1881
[redacted]0	9.469	1181119.13	159099.84	VV	5.0000e5	0.4605	3244.4192		2.3622
71	9.631	3091897.50	411877.91	VV	5.0000e5	0.4605	3244.4192		6.1838
[redacted]2	9.853	885701.88	144140.45	VV	5.0000e5	0.4605	3244.4192		1.7714
[redacted]3	9.963	1150879.75	125491.57	VV	5.0000e5	0.4605	3244.4192		2.3018
[redacted]4	10.148	1805988.75	340357.13	VV	5.0000e5	0.4605	3244.4192		3.6120
75	10.349	581741.13	113726.73	VV	4.9999e5	0.4605	3244.4192		1.1635
76	10.453	487401.88	105964.15	VV	5.0000e5	0.4605	3244.4192		0.9748
[redacted]7	10.522	532661.13	102992.11	VV	5.0000e5	0.4605	3244.4192		1.0653
[redacted]8	10.646	1094120.88	221525.83	VV	5.0000e5	0.4605	3244.4192		2.1882
[redacted]9	10.831	566399.69	67970.63	VV	5.0000e5	0.4605	3244.4192		1.1328
80	10.991	504413.59	59735.31	VV	5.0000e5	0.4605	3244.4192		1.0088
[redacted]1	11.120	687009.88	139514.52	VV	5.0000e5	0.4605	3244.4192		1.3740
[redacted]2	11.292	254543.97	41877.61	VV	5.0000e5	0.4605	3244.4192		0.5091
[redacted]3	11.404	267792.25	33643.67	VV	5.0000e5	0.4605	3244.4192		0.5356
84	11.576	457130.19	63202.22	VV	5.0000e5	0.4605	3244.4192		0.9143
85	11.842	105699.03	14869.29	VV	5.0000e5	0.4605	3244.4192		0.2114
[redacted]6	12.014	145714.91	26760.57	VV	5.0000e5	0.4605	3244.4192		0.2914
[redacted]7	12.175	133091.38	22677.29	VV	5.0000e5	0.4605	3244.4192		0.2662
88	12.436	67050.38	11949.77	VV	5.0000e5	0.4605	3244.4192		0.1341
89	12.682	19226.69	3331.90	VV	5.0000e5	0.4605	3244.4192		0.0385
[redacted]0	12.844	17718.59	4282.16	VV	4.9999e5	0.4605	3244.4192		0.0354
[redacted]1	12.980	5456.67	1048.39	VV	4.9999e5	0.4605	3244.4192		0.0109
[redacted]2	13.084	4895.95	970.91	VV	5.0000e5	0.4605	3244.4192		0.0098
93	13.235	14259.34	3968.91	VV	5.0000e5	0.4605	3244.4192		0.0285
94	13.313	3741.08	1135.08	VV	5.0000e5	0.4605	3244.4192		0.0075
[redacted]5	13.400	3589.88	954.39	VV	5.0000e5	0.4605	3244.4192		0.0072
[redacted]6	13.470	7156.13	1002.13	VV	5.0000e5	0.4605	3244.4192		0.0143
97	13.633	12827.94	1936.35	VV	5.0000e5	0.4605	3244.4192		0.0257
98	13.812	6849.56	1058.78	VV	5.0000e5	0.4605	3244.4192		0.0137
[redacted]9	14.089	6371.41	1873.70	VB	5.0000e5	0.4605	3244.4192		0.0127
[redacted]0	14.207	1613.50	540.13	BB	5.0000e5	0.4605	3244.4192		0.0032
[redacted]		70461920.00	1.50e7			46.0450	3.2444e5		2886.7371

[redacted]oup Report For : SURROGATES

Peak [redacted]	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.747	514089.25	79101.38	BV	1970.0000	0.4605	88.8556	2-FLUOROBIPHENYL	260.9590
3	8.797	1415665.25	193722.81	VV	1970.0000	0.4605	88.8556	o-Terphenyl	718.6118
[redacted]		1929754.50	272824.19			0.9209	177.7111		979.5708

==========

[redacted]D

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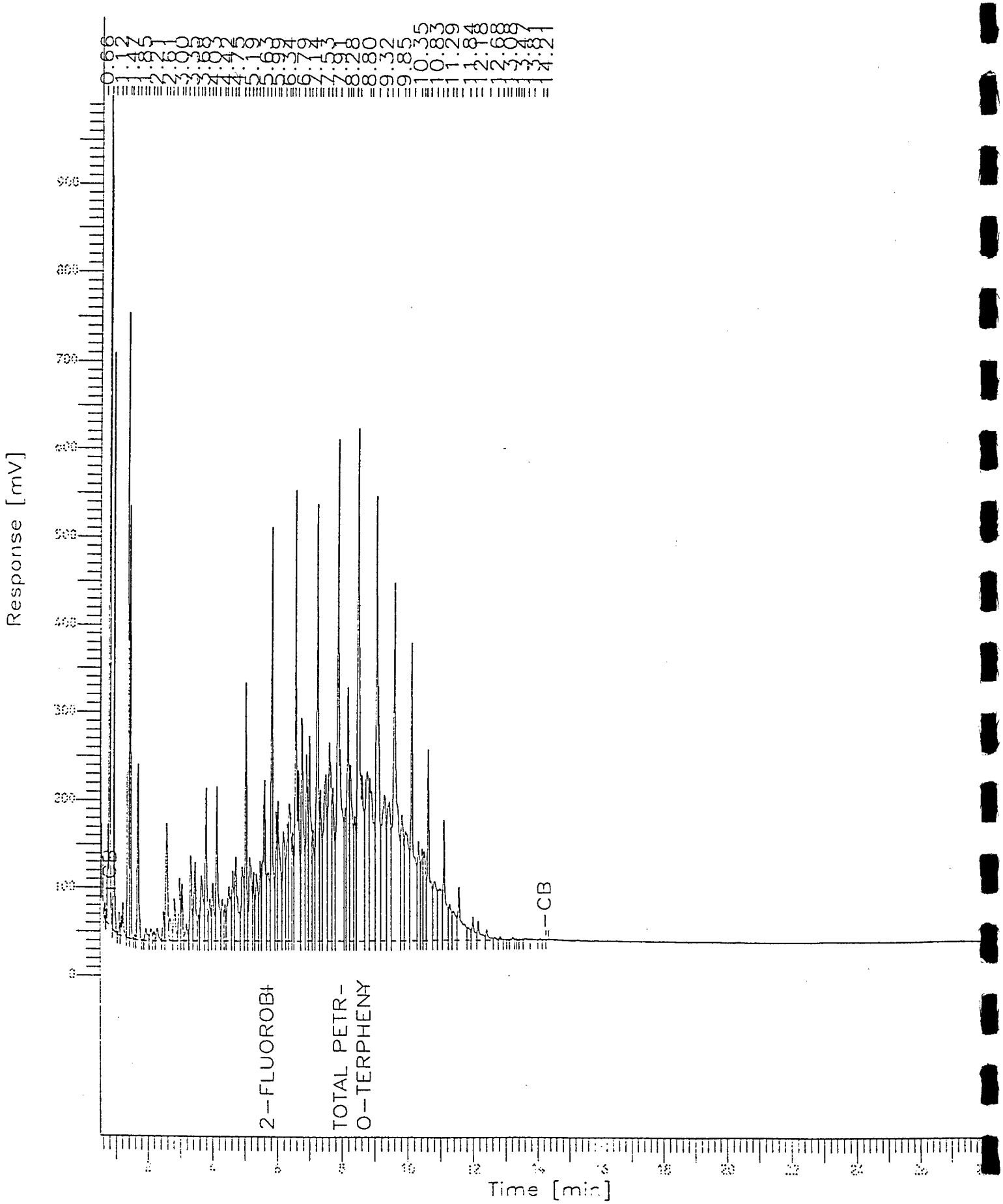
[redacted]ort Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__774.TXO

Chromatogram

Sample Name : 9508461-03A
FileName : l:\data\tchrom\pest\hp_t\TT__774.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -9 mV

Sample #: SC ;S
Date : 08/22/95 02:39
Time of Injection: 08/22/95 02:10
Low Point : -8.71 mV High Point : 1000.00 mV
Plot Scale: 1009 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-04

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 08/29/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-003 BH 9-10' MSD

PROJECT NO: 1315-193
MATRIX: SOIL
DATE SAMPLED: 08/10/95 08:50:00
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	19	1 P	µg/Kg
TOLUENE	16	1 P	µg/Kg
ETHYLBENZENE	16	1 P	µg/Kg
TOTAL XYLENE	46	1 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	97		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	102		
4-Bromofluorobenzene	72		
METHOD 8020***			
Analyzed by: KA			
Date: 08/16/95			
GC/FID Diesel-Extractables	240	4	mg/Kg
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/22/95 02:45:00			
Sonication extraction	08/16/95		
METHOD 3550			
Analyzed by: RN			
Date: 08/16/95 09:00:00			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

Software Version: 3.2 <16C20>
Sample Name : 9508461-04A MSD Time : 08/16/95 12:36
Sample Number: SC ;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/16/95 12:13
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__610.raw
Result File : l:\data\tchrom\btex\hp_o\00__610.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.077	5600.25	2202.68	BB	1.0000e6	----------	0.0056		0.0056
2	2.533	1141.81	341.97	BB	1.0000e6	----------	0.0011		0.0011
3	3.013	41235.13	14397.79	BB	1838.1685	0.1166	22.4327	MTBE	22.4327
4	3.391	46268.64	15212.75	BB	2405.1951	0.1309	19.2370	ISOPROPYLETHER	19.2370
5	4.435	98604.57	33127.89	BV	5319.5317	0.2789	18.5363	Benzene	18.5363
6	4.701	139562.75	45146.86	VB	1361.4846	0.3947	102.5078	1,4-DIFLUOROBENZENE	102.5078
7	5.299	353595.94	111590.69	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.156	470.59	160.65	BB	1.0000e6	----------	0.0005		0.0005
9	6.647	81469.33	25122.26	BB	5085.1162	0.2304	16.0211	Toluene	16.0211
10	7.666	4928.32	1192.81	BB	1.0000e6	----------	0.0049		0.0049
11	8.879	70940.48	22025.01	BV	4565.8716	0.2006	15.5371	Ethyl_Benzene	15.5371
12	9.059	150538.77	43642.79	VB	4802.6816	0.4257	31.3447	m and p Xylene	31.3447
13	9.633	67922.19	21285.11	BB	4537.6690	0.1921	14.9685	o-Xylene	14.9685
14	10.354	197823.88	59793.96	BB	2759.2092	0.5595	71.6959	4-BROMOFLUOROBENZENE	71.6959
15	11.009	305.24	100.15	BB	9.9999e5	----------	0.0003		0.0003
16	11.550	16548.88	4307.47	BB	1.0000e6	----------	0.0166		0.0166
17	14.695	38989.84	10065.09	BB	1.0000e6	----------	0.0390		0.0390
18	14.909	568.97	179.03	BB	1.0000e6	----------	0.0006		0.0006
19	15.116	476.78	138.13	BB	1.0000e6	----------	0.0005		0.0005
20	15.282	442.60	118.30	BB	1.0000e6	----------	0.0004		0.0004
22	16.731	345.02	162.41	BB	9.9999e5	----------	0.0004		0.0004
23	16.986	54085.77	25318.05	BB	1.0000e6	----------	0.0541		0.0541
		1371865.75	435631.88				312.4051		312.4051

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__610.TXO

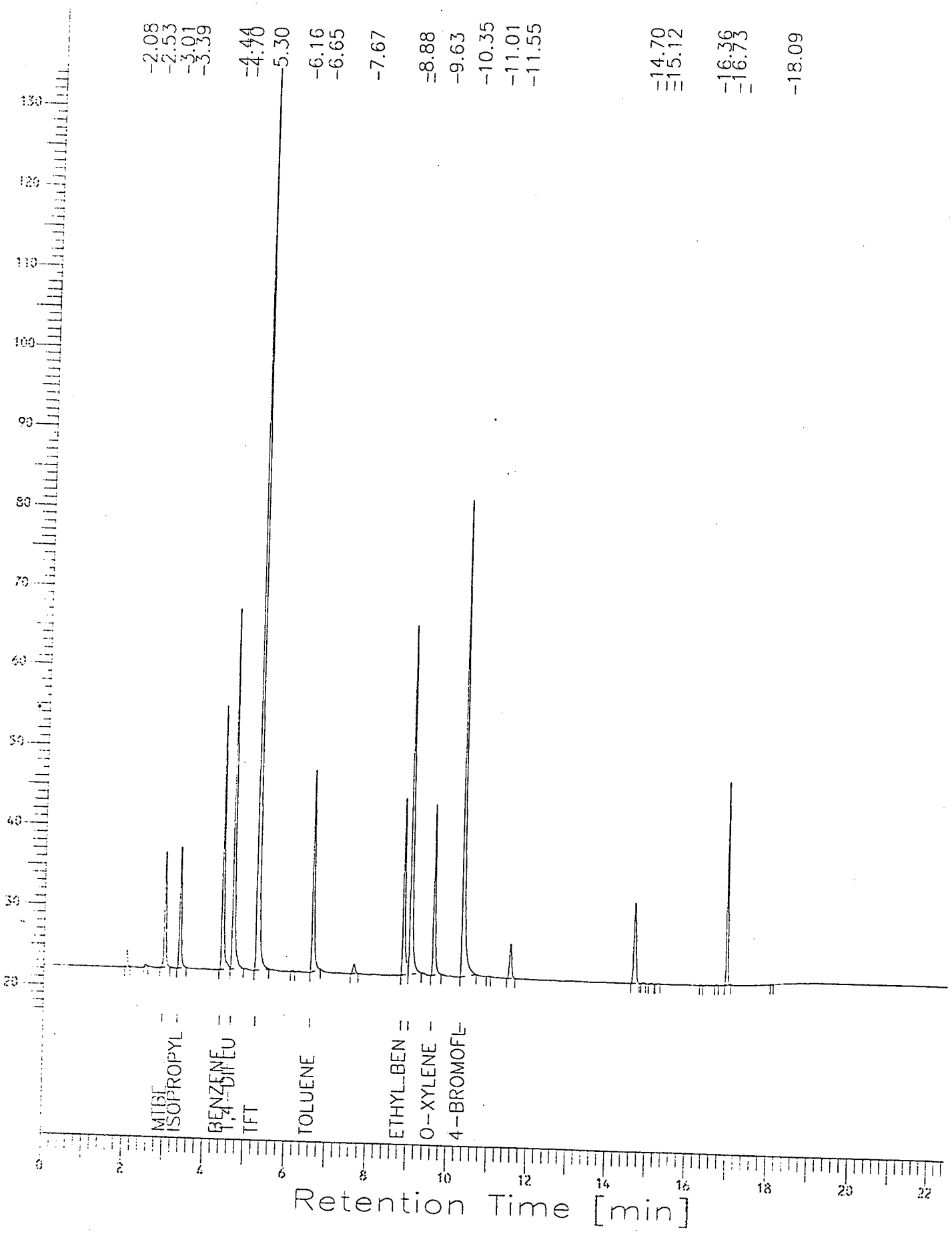
Chromatogram

Sample Name : 9508461-04A MSD
FileName : l:\data\tchrom\btex\hp_o\00__610.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: SC ;S;1
Date : 08/16/95 12:36
Time of Injection: 08/16/95 12:13
Low Point : 16.74 mV
Plot Scale: 117 mV

High Point : 134.07 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508461-04A              Time         : 08/22/95  03:14
Sample Number: SC ;S·                   Study        : DROW
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/22/95  02:45
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__775.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__775.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

================================================================================
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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.664	23247.98	20357.07	BB	4.9999e5	0.4605	3178.7319		0.0465
2	0.823	2587046.00	991794.63	BV	5.0000e5	0.4605	3178.7319		5.1741
3	0.957	1410757.63	706565.44	VB	5.0000e5	0.4605	3178.7319		2.8215
4	1.120	56766.50	25303.85	BV	5.0000e5	0.4605	3178.7319		0.1135
5	1.234	144161.00	38765.80	VV	5.0000e5	0.4605	3178.7319		0.2883
6	1.402	1715731.25	789345.38	VV	5.0000e5	0.4605	3178.7319		3.4315
7	1.471	1278737.75	547641.94	VB	5.0000e5	0.4605	3178.7319		2.5575
8	1.606	21334.00	6375.24	BV	5.0000e5	0.4605	3178.7319		0.0427
9	1.713	740888.00	234845.80	VB	5.0000e5	0.4605	3178.7319		1.4818
10	1.857	4764.84	1747.55	BV	5.0000e5	0.4605	3178.7319		0.0095
11	1.959	100124.00	17787.69	VV	5.0000e5	0.4605	3178.7319		0.2003
12	2.113	76543.63	15996.40	VV	5.0000e5	0.4605	3178.7319		0.1531
13	2.214	35632.91	11469.29	VV	5.0000e5	0.4605	3178.7319		0.0713
14	2.313	75286.66	16551.87	VB	5.0000e5	0.4605	3178.7319		0.1506
15	2.504	114245.55	36677.90	BV	5.0000e5	0.4605	3178.7319		0.2285
16	2.609	650918.19	153401.28	VE	5.0000e5	0.4605	3178.7319		1.3018
17	2.706	137192.00	27649.96	EV	5.0000e5	0.4605	3178.7319		0.2744
18	2.845	229287.38	56023.68	VV	5.0000e5	0.4605	3178.7319		0.4586
19	3.006	292322.72	78526.88	VV	5.0000e5	0.4605	3178.7319		0.5847
20	3.081	193457.98	70565.17	VV	4.9999e5	0.4605	3178.7319		0.3869
21	3.213	112224.69	22134.59	VV	5.0000e5	0.4605	3178.7319		0.2245
22	3.354	455988.84	110414.61	VV	5.0000e5	0.4605	3178.7319		0.9120
23	3.482	458428.72	105793.23	VV	5.0000e5	0.4605	3178.7319		0.9169
24	3.587	98718.69	32535.24	VV	5.0000e5	0.4605	3178.7319		0.1974
25	3.683	513272.97	85835.04	VV	5.0000e5	0.4605	3178.7319		1.0266
26	3.830	708986.94	207303.69	VV	5.0000e5	0.4605	3178.7319		1.4180
27	3.941	241435.73	53036.93	VV	5.0000e5	0.4605	3178.7319		0.4829
28	4.031	353056.41	72523.36	VV	5.0000e5	0.4605	3178.7319		0.7061
29	4.165	737561.75	187352.00	VV	5.0000e5	0.4605	3178.7319		1.4751
30	4.333	230070.69	49365.61	VV	5.0000e5	0.4605	3178.7319		0.4601
31	4.418	130269.39	41938.15	VV	5.0000e5	0.4605	3178.7319		0.2605
32	4.537	468889.44	63744.73	VV	5.0000e5	0.4605	3178.7319		0.9378
33	4.660	341837.84	83971.99	VV	5.0000e5	0.4605	3178.7319		0.6837
34	4.750	607098.88	98023.00	VV	5.0000e5	0.4605	3178.7319		1.2142
35	4.951	467572.38	86699.66	VV	5.0000e5	0.4605	3178.7319		0.9351
36	5.067	886348.81	298024.84	VV	5.0000e5	0.4605	3178.7319		1.7727
37	5.187	562075.88	96742.32	VV	5.0000e5	0.4605	3178.7319		1.1242
38	5.297	237159.27	79772.46	VV	5.0000e5	0.4605	3178.7319		0.4743
39	5.391	469598.16	77984.49	VV	5.0000e5	0.4605	3178.7319		0.9392
40	5.501	290814.91	90732.02	VV	5.0000e5	0.4605	3178.7319		0.5816
41	5.632	967058.25	185143.55	VV	5.0000e5	0.4605	3178.7319		1.9341
42	5.748	504394.59	78199.25	VV	1970.0000	0.4605	3178.7319	2-FLUOROBIPHENYL	256.0379
43	5.863	1656399.13	492053.66	VV	5.0000e5	0.4605	3178.7319		3.3128
44	6.047	1392310.00	161345.63	VV	5.0000e5	0.4605	3178.7319		2.7846
45	6.221	711789.63	124476.42	VV	5.0000e5	0.4605	3178.7319		1.4236
46	6.341	571866.63	133268.19	VV	5.0000e5	0.4605	3178.7319		1.1437
47	6.403	796669.31	154800.31	VV	5.0000e5	0.4605	3178.7319		1.5933
48	6.495	418828.16	124911.96	VV	5.0000e5	0.4605	3178.7319		0.8377
49	6.598	1713539.25	516286.56	VV	5.0000e5	0.4605	3178.7319		3.4271

50	6.676	693692.63	199039.77	VV	5.0000e5	0.4605	3178.7319		1.3874
51	6.791	1415384.00	256263.70	VV	4.9999e5	0.4605	3178.7319		2.8308
52	6.938	950522.38	209178.77	VV	5.0000e5	0.4605	3178.7319		1.9010
53	7.025	1146218.50	234652.81	VV	4.9999e5	0.4605	3178.7319		2.2924
54	7.136	535882.69	123470.05	VV	4.9999e5	0.4605	3178.7319		1.0718
55	7.278	2158307.50	513876.50	VV	5.0000e5	0.4605	3178.7319		4.3166
56	7.361	695453.13	171302.39	VV	5.0000e5	0.4605	3178.7319		1.3909
57	7.527	1337350.75	187084.84	VV	5.0000e5	0.4605	3178.7319		2.6747
58	7.643	1609159.50	220728.88	VV	5.0000e5	0.4605	3178.7319		3.2183
59	7.748	818750.38	169478.75	VV	5.0000e5	0.4605	3178.7319		1.6375
60	7.914	3489829.00	557942.44	VV	1970.0000	0.4605	3178.7319	Total Petroleum Hydr	1771.4868
61	8.131	427125.94	146263.25	VV	5.0000e5	0.4605	3178.7319		0.8543
62	8.211	1220266.50	286102.91	VV	5.0000e5	0.4605	3178.7319		2.4405
63	8.284	1234925.13	191843.02	VV	5.0000e5	0.4605	3178.7319		2.4699
64	8.416	619062.63	135829.31	VV	5.0000e5	0.4605	3178.7319		1.2381
65	8.520	3616773.50	565645.06	VV	5.0000e5	0.4605	3178.7319		7.2336
66	8.798	1344456.13	185287.33	VV	1970.0000	0.4605	3178.7319	o-Terphenyl	682.4650
67	8.880	1612506.38	176710.30	VV	5.0000e5	0.4605	3178.7319		3.2250
68	9.086	2472837.00	487046.22	VV	5.0000e5	0.4605	3178.7319		4.9457
69	9.321	1503479.75	156966.88	VV	5.0000e5	0.4605	3178.7319		3.0070
70	9.470	1114994.50	149752.89	VV	5.0000e5	0.4605	3178.7319		2.2300
71	9.631	2920118.00	397525.63	VV	4.9999e5	0.4605	3178.7319		5.8402
72	9.853	832275.75	136087.98	VV	5.0000e5	0.4605	3178.7319		1.6646
73	9.965	1078448.75	118066.16	VV	5.0000e5	0.4605	3178.7319		2.1569
74	10.149	1698025.63	320687.94	VV	5.0000e5	0.4605	3178.7319		3.3961
75	10.350	544697.50	106520.05	VV	4.9999e5	0.4605	3178.7319		1.0894
76	10.454	952625.50	99238.90	VV	5.0000e5	0.4605	3178.7319		1.9053
77	10.647	1022831.88	210132.84	VV	4.9999e5	0.4605	3178.7319		2.0457
78	10.836	524296.00	62926.77	VV	5.0000e5	0.4605	3178.7319		1.0486
79	10.997	467046.81	55441.72	VV	5.0000e5	0.4605	3178.7319		0.9341
80	11.122	636827.38	128377.94	VV	5.0000e5	0.4605	3178.7319		1.2737
81	11.294	232691.72	38218.11	VV	5.0000e5	0.4605	3178.7319		0.4654
82	11.406	265726.09	30746.15	VV	5.0000e5	0.4605	3178.7319		0.5315
83	11.579	302144.59	59903.93	VV	5.0000e5	0.4605	3178.7319		0.6043
84	11.744	87451.89	16353.40	VV	5.0000e5	0.4605	3178.7319		0.1749
85	11.849	94552.28	13182.46	VV	5.0000e5	0.4605	3178.7319		0.1891
86	12.016	127320.56	24330.43	VV	5.0000e5	0.4605	3178.7319		0.2546
87	12.178	106039.13	18968.46	VV	5.0000e5	0.4605	3178.7319		0.2121
88	12.437	51619.88	10316.74	VV	5.0000e5	0.4605	3178.7319		0.1032
89	12.683	12350.59	2478.28	VV	5.0000e5	0.4605	3178.7319		0.0247
90	12.845	11615.78	3570.68	VE	5.0000e5	0.4605	3178.7319		0.0232
91	12.983	2004.00	455.14	EV	5.0000e5	0.4605	3178.7319		0.0040
92	13.086	1868.81	464.20	VV	5.0000e5	0.4605	3178.7319		0.0037
93	13.236	10299.75	3408.04	VV	5.0000e5	0.4605	3178.7319		0.0206
94	13.316	2606.30	805.20	VV	5.0000e5	0.4605	3178.7319		0.0052
95	13.411	5041.86	961.84	VV	4.9999e5	0.4605	3178.7319		0.0101
96	13.537	6940.91	926.24	VV	5.0000e5	0.4605	3178.7319		0.0139
97	13.637	11872.66	2084.31	VV	4.9999e5	0.4605	3178.7319		0.0238
98	13.815	8718.50	1329.45	VV	5.0000e5	0.4605	3178.7319		0.0174
99	14.090	6204.56	1769.82	VB	4.9999e5	0.4605	3178.7319		0.0124
100	14.206	1380.50	445.64	BB	5.0000e5	0.4605	3178.7319		0.0028
		69035328.00	1.49e7			46.0450	3.1787e5		2837.3828

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.748	504394.59	78199.25	BV	1970.0000	0.4605	85.1303	2-FLUOROBIPHENYL	256.0379
3	8.798	1344456.13	185287.33	VV	1970.0000	0.4605	85.1303	o-Terphenyl	682.4650
		1848850.75	263486.56			0.9209	170.2607		938.5029

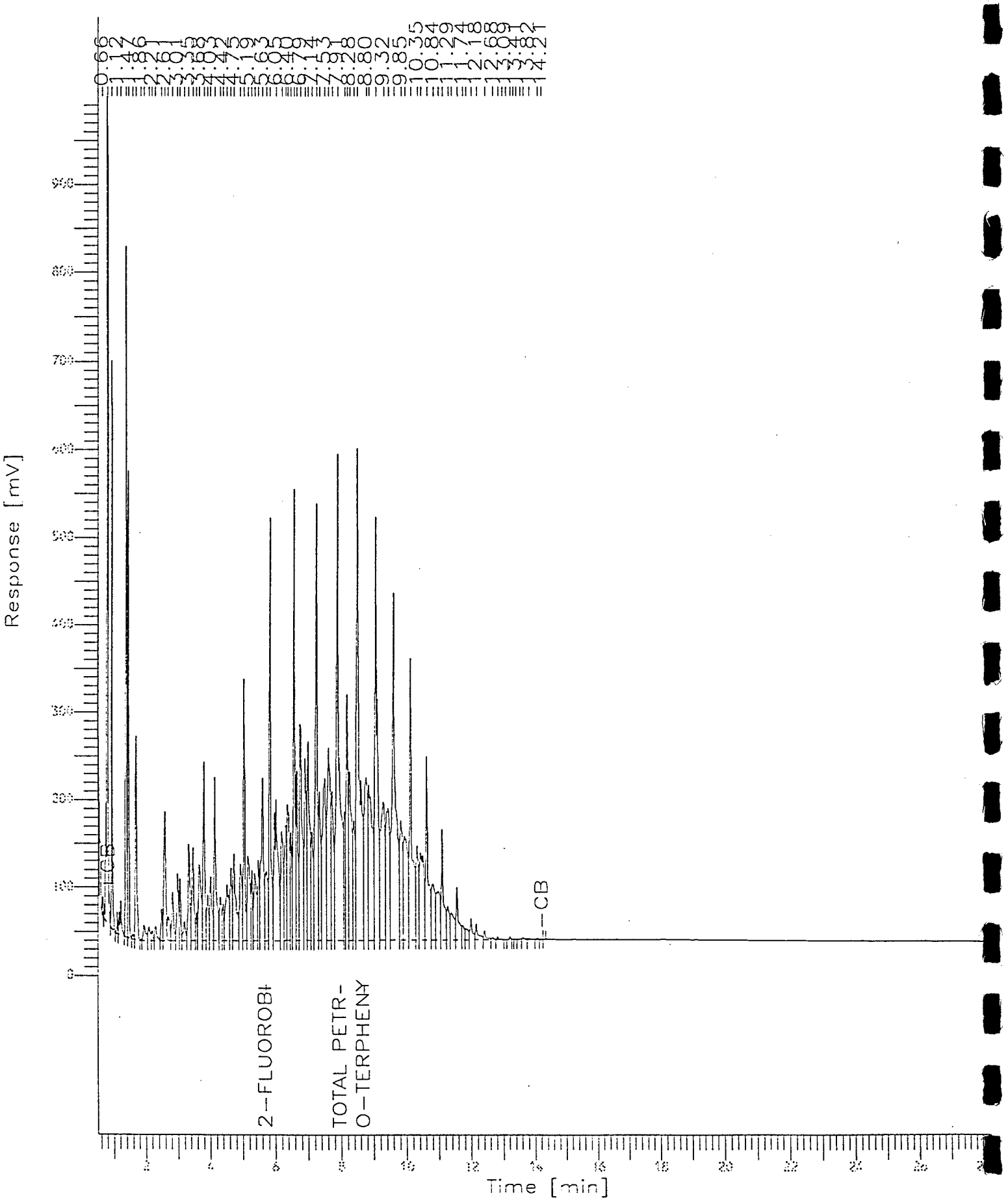
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__775.TXO

Chromatogram

Sample Name : 9508461-04A
FileName : l:\data\tchrom\pest\hp_t\TT__775.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -9 mV

Sample #: SC ;S
Date : 08/22/95 03:14
Time of Injection: 08/22/95 02:45
Low Point : -8.67 mV High Point : 1000.00 mV
Plot Scale: 1009 mV



Software Version: 3.2 <16C20>
Sample Name : 9508461-04A Time : 08/22/95 03:14
Sample Number: SC ;S· Study : DROW
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/22/95 02:45
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__775.raw
Result File : l:\data\tchrom\pest\hp_t\TT__775.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.664	23247.98	20357.07	BB	4.9999e5	0.4605	3178.7319		0.0465
2	0.823	2587046.00	991794.63	BV	5.0000e5	0.4605	3178.7319		5.1741
3	0.957	1410757.63	706565.44	VB	5.0000e5	0.4605	3178.7319		2.8215
4	1.120	56766.50	25303.85	BV	5.0000e5	0.4605	3178.7319		0.1135
5	1.234	144161.00	38765.80	VV	5.0000e5	0.4605	3178.7319		0.2883
6	1.402	1715731.25	789345.38	VV	5.0000e5	0.4605	3178.7319		3.4315
7	1.471	1278737.75	547641.94	VB	5.0000e5	0.4605	3178.7319		2.5575
8	1.606	21334.00	6375.24	BV	5.0000e5	0.4605	3178.7319		0.0427
9	1.713	740888.00	234845.80	VB	5.0000e5	0.4605	3178.7319		1.4818
10	1.857	4764.84	1747.55	BV	5.0000e5	0.4605	3178.7319		0.0095
11	1.959	100124.00	17787.69	VV	5.0000e5	0.4605	3178.7319		0.2003
12	2.113	76543.63	15996.40	VV	5.0000e5	0.4605	3178.7319		0.1531
13	2.214	35632.91	11469.29	VV	5.0000e5	0.4605	3178.7319		0.0713
14	2.313	75286.66	16551.87	VB	5.0000e5	0.4605	3178.7319		0.1506
15	2.504	114245.55	36677.90	BV	5.0000e5	0.4605	3178.7319		0.2285
16	2.609	650918.19	153401.28	VE	5.0000e5	0.4605	3178.7319		1.3018
17	2.706	137192.00	27649.96	EV	5.0000e5	0.4605	3178.7319		0.2744
18	2.845	229287.38	56023.68	VV	5.0000e5	0.4605	3178.7319		0.4586
19	3.006	292322.72	78526.88	VV	5.0000e5	0.4605	3178.7319		0.5847
20	3.081	193457.98	70565.17	VV	4.9999e5	0.4605	3178.7319		0.3869
21	3.213	112224.69	22134.59	VV	5.0000e5	0.4605	3178.7319		0.2245
22	3.354	455988.84	110414.61	VV	5.0000e5	0.4605	3178.7319		0.9120
23	3.482	458428.72	105793.23	VV	5.0000e5	0.4605	3178.7319		0.9169
24	3.587	98718.69	32535.24	VV	5.0000e5	0.4605	3178.7319		0.1974
25	3.683	513272.97	85835.04	VV	5.0000e5	0.4605	3178.7319		1.0266
26	3.830	708986.94	207303.69	VV	5.0000e5	0.4605	3178.7319		1.4180
27	3.941	241435.73	53036.93	VV	5.0000e5	0.4605	3178.7319		0.4829
28	4.031	353056.41	72523.36	VV	5.0000e5	0.4605	3178.7319		0.7061
29	4.165	737561.75	187352.00	VV	5.0000e5	0.4605	3178.7319		1.4751
30	4.333	230070.69	49365.61	VV	5.0000e5	0.4605	3178.7319		0.4601
31	4.418	130269.39	41938.15	VV	5.0000e5	0.4605	3178.7319		0.2605
32	4.537	468889.44	63744.73	VV	5.0000e5	0.4605	3178.7319		0.9378
33	4.660	341837.84	83971.99	VV	5.0000e5	0.4605	3178.7319		0.6837
34	4.750	607098.88	98023.00	VV	5.0000e5	0.4605	3178.7319		1.2142
35	4.951	467572.38	86699.66	VV	5.0000e5	0.4605	3178.7319		0.9351
36	5.067	886348.81	298024.84	VV	5.0000e5	0.4605	3178.7319		1.7727
37	5.187	562075.88	96742.32	VV	5.0000e5	0.4605	3178.7319		1.1242
38	5.297	237159.27	79772.46	VV	5.0000e5	0.4605	3178.7319		0.4743
39	5.391	469598.16	77984.49	VV	5.0000e5	0.4605	3178.7319		0.9392
40	5.501	290814.91	90732.02	VV	5.0000e5	0.4605	3178.7319		0.5816
41	5.632	967058.25	185143.55	VV	5.0000e5	0.4605	3178.7319		1.9341
42	5.748	504394.59	78199.25	VV	1970.0000	0.4605	3178.7319	2-FLUOROBIPHENYL	256.0379
43	5.863	1656399.13	492053.66	VV	5.0000e5	0.4605	3178.7319		3.3128
44	6.047	1392310.00	161345.63	VV	5.0000e5	0.4605	3178.7319		2.7846
45	6.221	711789.63	124476.42	VV	5.0000e5	0.4605	3178.7319		1.4236
46	6.341	571866.63	133268.19	VV	5.0000e5	0.4605	3178.7319		1.1437
47	6.403	796669.31	154800.31	VV	5.0000e5	0.4605	3178.7319		1.5933
48	6.495	418828.16	124911.96	VV	5.0000e5	0.4605	3178.7319		0.8377
49	6.598	1713539.25	516286.56	VV	5.0000e5	0.4605	3178.7319		3.4271

50	6.676	693692.63	199039.77	VV	5.0000e5	0.4605	3178.7319		1.3874
51	6.791	1415384.00	256263.70	VV	4.9999e5	0.4605	3178.7319		2.8308
52	6.938	950522.38	209178.77	VV	5.0000e5	0.4605	3178.7319		1.9010
53	7.025	1146218.50	234652.81	VV	4.9999e5	0.4605	3178.7319		2.2924
54	7.136	535882.69	123470.05	VV	4.9999e5	0.4605	3178.7319		1.0718
55	7.278	2158307.50	513876.50	VV	5.0000e5	0.4605	3178.7319		4.3166
56	7.361	695453.13	171302.39	VV	5.0000e5	0.4605	3178.7319		1.3909
57	7.527	1337350.75	187084.84	VV	5.0000e5	0.4605	3178.7319		2.6747
58	7.643	1609159.50	220728.88	VV	5.0000e5	0.4605	3178.7319		3.2183
59	7.748	818750.38	169478.75	VV	5.0000e5	0.4605	3178.7319		1.6375
60	7.914	3489829.00	557942.44	VV	1970.0000	0.4605	3178.7319	Total Petroleum Hydr	1771.4868
61	8.131	427125.94	146263.25	VV	5.0000e5	0.4605	3178.7319		0.8543
62	8.211	1220266.50	286102.91	VV	5.0000e5	0.4605	3178.7319		2.4405
63	8.284	1234925.13	191843.02	VV	5.0000e5	0.4605	3178.7319		2.4699
64	8.416	619062.63	135829.31	VV	5.0000e5	0.4605	3178.7319		1.2381
65	8.520	3616773.50	565645.06	VV	5.0000e5	0.4605	3178.7319		7.2336
66	8.798	1344456.13	185287.33	VV	1970.0000	0.4605	3178.7319	o-Terphenyl	682.4650
67	8.880	1612506.38	176710.30	VV	5.0000e5	0.4605	3178.7319		3.2250
68	9.086	2472837.00	487046.22	VV	5.0000e5	0.4605	3178.7319		4.9457
69	9.321	1503479.75	156966.88	VV	5.0000e5	0.4605	3178.7319		3.0070
70	9.470	1114994.50	149752.89	VV	5.0000e5	0.4605	3178.7319		2.2300
71	9.631	2920118.00	397525.63	VV	4.9999e5	0.4605	3178.7319		5.8402
72	9.853	832275.75	136087.98	VV	5.0000e5	0.4605	3178.7319		1.6646
73	9.965	1078448.75	118066.16	VV	5.0000e5	0.4605	3178.7319		2.1569
74	10.149	1698025.63	320687.94	VV	5.0000e5	0.4605	3178.7319		3.3961
75	10.350	544697.50	106520.05	VV	4.9999e5	0.4605	3178.7319		1.0894
76	10.454	952625.50	99238.90	VV	5.0000e5	0.4605	3178.7319		1.9053
77	10.647	1022831.88	210132.84	VV	4.9999e5	0.4605	3178.7319		2.0457
78	10.836	524296.00	62926.77	VV	5.0000e5	0.4605	3178.7319		1.0486
79	10.997	467046.81	55441.72	VV	5.0000e5	0.4605	3178.7319		0.9341
80	11.122	636827.38	128377.94	VV	5.0000e5	0.4605	3178.7319		1.2737
81	11.294	232691.72	38218.11	VV	5.0000e5	0.4605	3178.7319		0.4654
82	11.406	265726.09	30746.15	VV	5.0000e5	0.4605	3178.7319		0.5315
83	11.579	302144.59	59903.93	VV	5.0000e5	0.4605	3178.7319		0.6043
84	11.744	87451.89	16353.40	VV	5.0000e5	0.4605	3178.7319		0.1749
85	11.849	94552.28	13182.46	VV	5.0000e5	0.4605	3178.7319		0.1891
86	12.016	127320.56	24330.43	VV	5.0000e5	0.4605	3178.7319		0.2546
87	12.178	106039.13	18968.46	VV	5.0000e5	0.4605	3178.7319		0.2121
88	12.437	51619.88	10316.74	VV	5.0000e5	0.4605	3178.7319		0.1032
89	12.683	12350.59	2478.28	VV	5.0000e5	0.4605	3178.7319		0.0247
90	12.845	11615.78	3570.68	VE	5.0000e5	0.4605	3178.7319		0.0232
91	12.983	2004.00	455.14	EV	5.0000e5	0.4605	3178.7319		0.0040
92	13.086	1868.81	464.20	VV	5.0000e5	0.4605	3178.7319		0.0037
93	13.236	10299.75	3408.04	VV	5.0000e5	0.4605	3178.7319		0.0206
94	13.316	2606.30	805.20	VV	5.0000e5	0.4605	3178.7319		0.0052
95	13.411	5041.86	961.84	VV	4.9999e5	0.4605	3178.7319		0.0101
96	13.537	6940.91	926.24	VV	5.0000e5	0.4605	3178.7319		0.0139
97	13.637	11872.66	2084.31	VV	4.9999e5	0.4605	3178.7319		0.0238
98	13.815	8718.50	1329.45	VV	5.0000e5	0.4605	3178.7319		0.0174
99	14.090	6204.56	1769.82	VB	4.9999e5	0.4605	3178.7319		0.0124
100	14.206	1380.50	445.64	BB	5.0000e5	0.4605	3178.7319		0.0028
		69035328.00	1.49e7			46.0450	3.1787e5		2837.3828

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.748	504394.59	78199.25	BV	1970.0000	0.4605	85.1303	2-FLUOROBIPHENYL	256.0379
3	8.798	1344456.13	185287.33	VV	1970.0000	0.4605	85.1303	o-Terphenyl	682.4650
		1848850.75	263486.56			0.9209	170.2607		938.5029

END

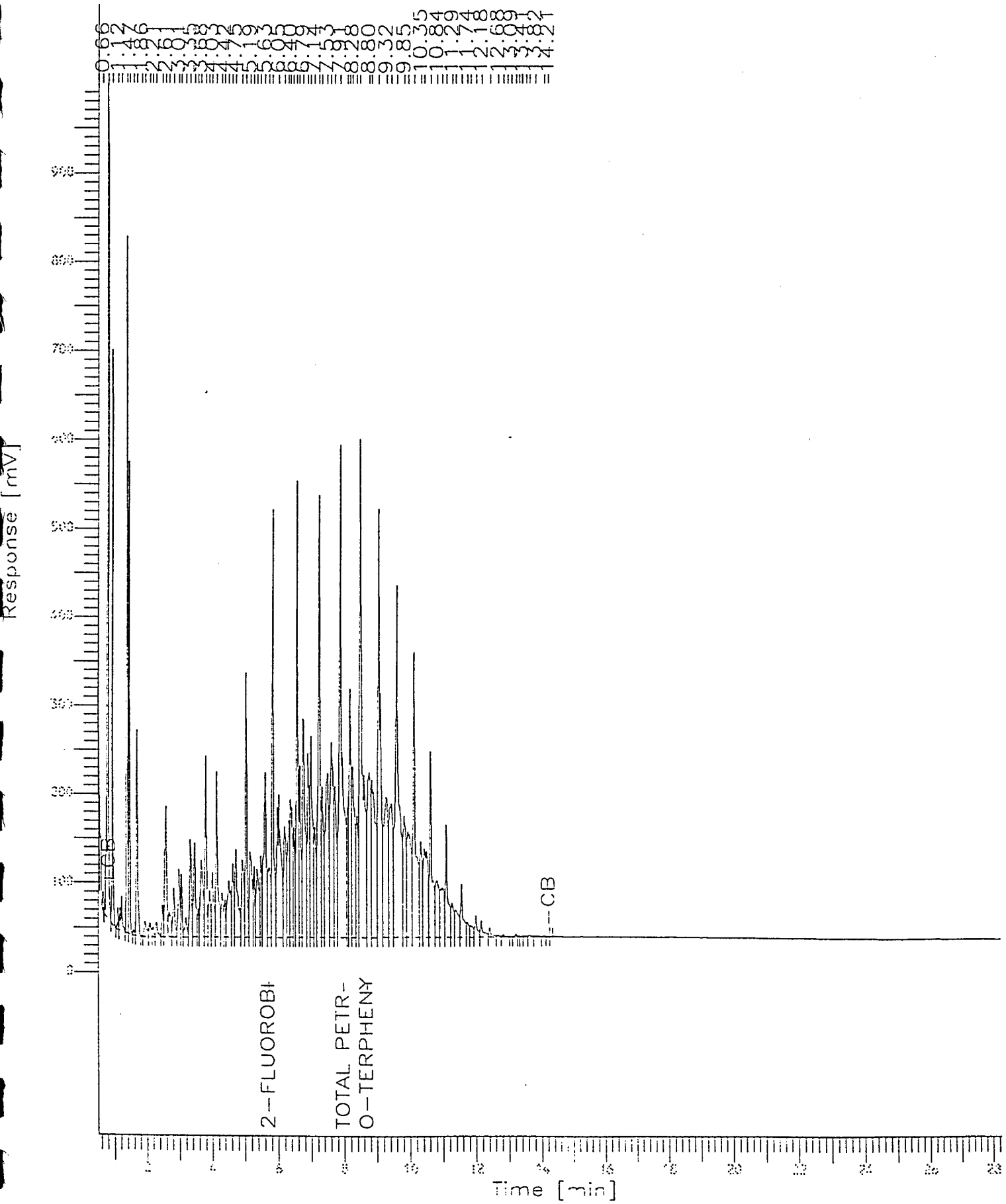
Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__775.TXO

Chromatogram

Sample Name : 9508461-04A
FileName : l:\data\tchrom\pest\hp_t\TT__775.raw
Method : DIESELT.ins
Start Time : 0.50 min
Scale Factor: 1

End Time : 28.25 min
Plot Offset: -9 mV

Sample #: SC ;S
Date : 08/22/95 03:14
Time of Injection: 08/22/95 02:45
Low Point : -8.67 mV
Plot Scale: 1009 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-05

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 08/29/

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 1315193-Decon

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/10/95 08:50:00
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Petroleum Hydrocarbons - Gasoline	ND	0.1 P	mg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	94		
4-Bromofluorobenzene	78		
Modified 8015 - Gasoline			
Analyzed by: VHZ			
Date: 08/16/95			
GC/FID Diesel-Extractables	0.32	0.1	mg/
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/22/95 05:40:00			
Liquid-liquid extraction	08/12/95		
METHOD 3510 ***			
Analyzed by: SW			
Date: 08/12/95 12:00:00			
Acid Digestion-Aqueous, ICP	08/14/95		
METHOD 3010 ***			
Analyzed by: AM			
Date: 08/14/95			
Lead, Total	0.06	0.05	mg/L
METHOD 6010 ***			
Analyzed by: DQ			
Date: 08/15/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-05

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

08/29/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 1315193-Decon

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/10/95 08:50:00
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	39	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATOR
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-05

Operational Tech

SAMPLE ID: 1315193-Decon

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	98	76	114
Toluene-d8	50 ug/L	98	88	110
4-Bromofluorobenzene	50 ug/L	88	86	115

ANALYZED BY: JC
DATE/TIME: 08/12/95 03:00:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit
ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950811.b/l223s25.d
Lab Smp Id: 9508461-05A
Inj Date : 12-AUG-1995 03:00
Operator : JC
Smp Info : 9508461-05A-8240W/1X
Misc Info : L223W2/L223B02/L223CW2
Comment :
Method : /chem/l.i/l950811.b/lvoclpw.m
Meth Date : 14-Aug-1995 12:11 jimmy
Cal Date : 11-AUG-1995 22:19
Als bottle: 42
Dil Factor: 1.000
Integrator: HP RTE
Target Version: 3.10

Inst ID: l.i

Quant Type: ISTD
Cal File: l223cw2.d

Compound Sublist: normal.sub

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Chloroform	83.00	5.198	5.191	(1.003)	159190	200	39
*	23 Bromochloromethane	128.00	5.180	5.173	(1.000)	65349	250	
	32 1,4-Difluorobenzene	114.00	6.892	6.893	(1.000)	335862	250	
	50 Chlorobenzene-d5	117.00	11.064	11.065	(1.000)	258717	250	
	26 1,2-Dichloroethane-d4	102.00	5.956	5.957	(1.150)	24689	250	49
$	43 Toluene-d8	98.00	9.111	9.113	(0.824)	343065	240	49
	61 Bromofluorobenzene	95.00	12.739	12.741	(1.151)	110122	220	44

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l223s25.d
Lab Smp Id: 9508461-05A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950811.b/lvoclpw.m
Misc Info: L223W2/L223B02/L223CW2

Calibration Date: 08/11/95
Calibration Time: 2219

Level: LOW
Sample Type: WATER

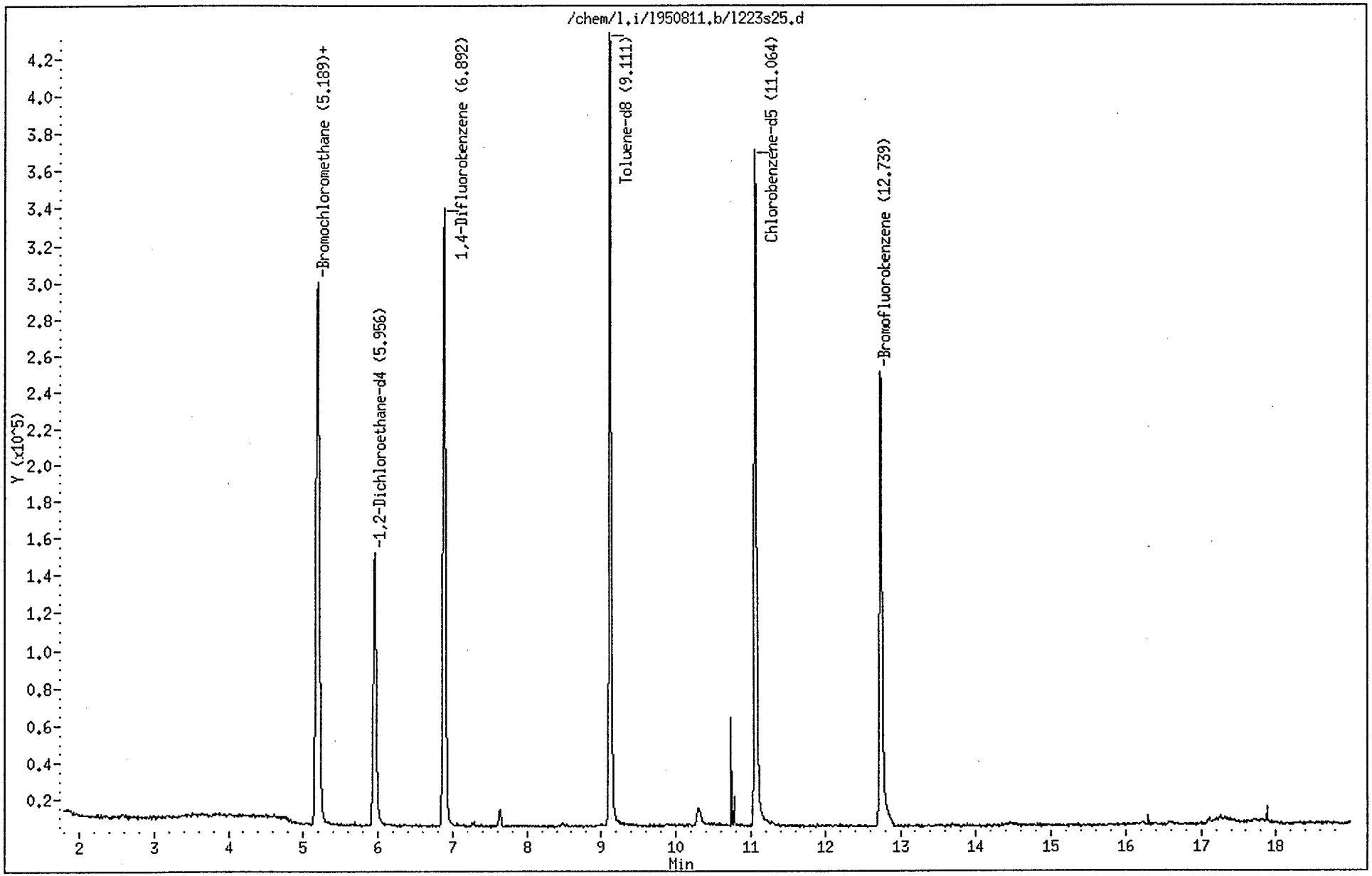
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	65730	32865	131460	65349	-0.58
32 1,4-Difluorobenzene	338626	169313	677252	335862	-0.82
50 Chlorobenzene-d5	263618	131809	527236	258717	-1.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.17	4.67	5.67	5.18	0.15
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	-0.02
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950811.b/1223s25.d
Date : 12-AUG-1995 03:00
Client ID:
Sample Info: 9508461-05A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i
Operator: JC
Column diameter: 0.25



Data File: /chem/1.i/1950811.b/1223s25.d

Date : 12-AUG-1995 03:00

Client ID:

Instrument: 1.i

Sample Info: 9508461-05A-8240W/1X

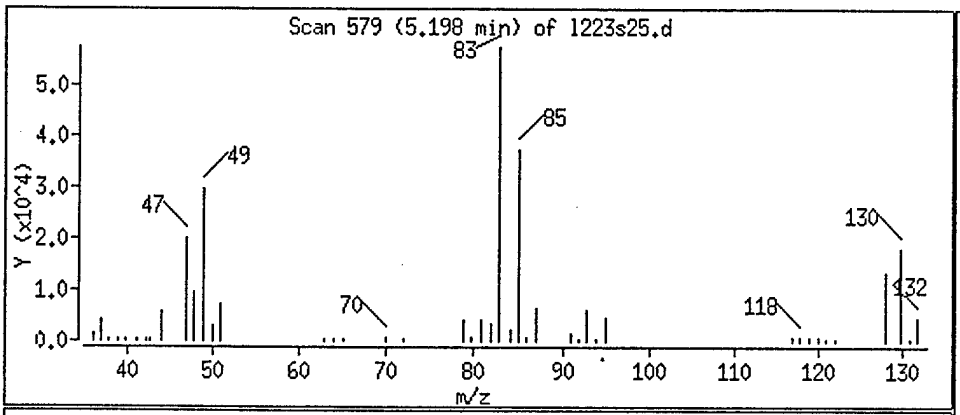
Purge Volume: 5.0

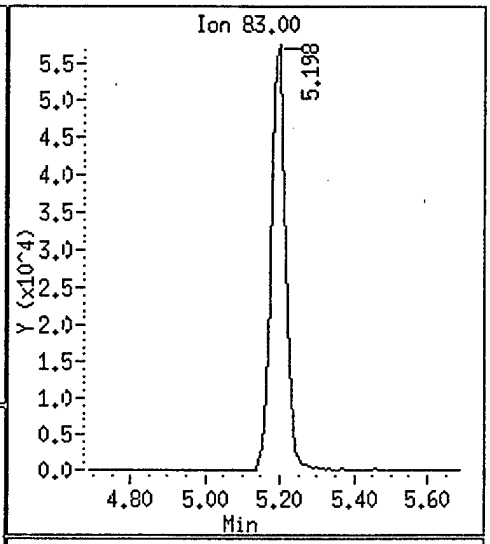
Operator: JC

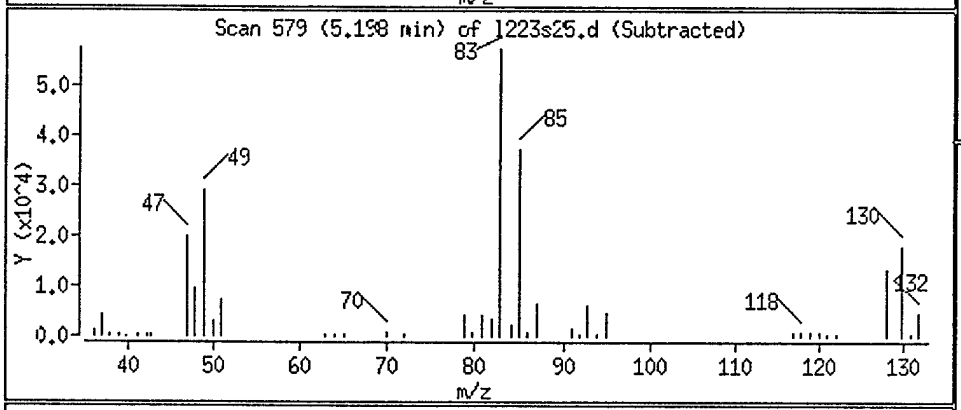
Column phase: 30m,hp5ms,0.25u df

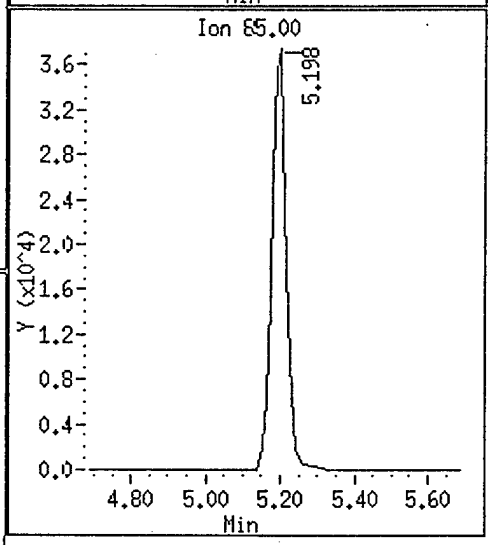
Column diameter: 0.25

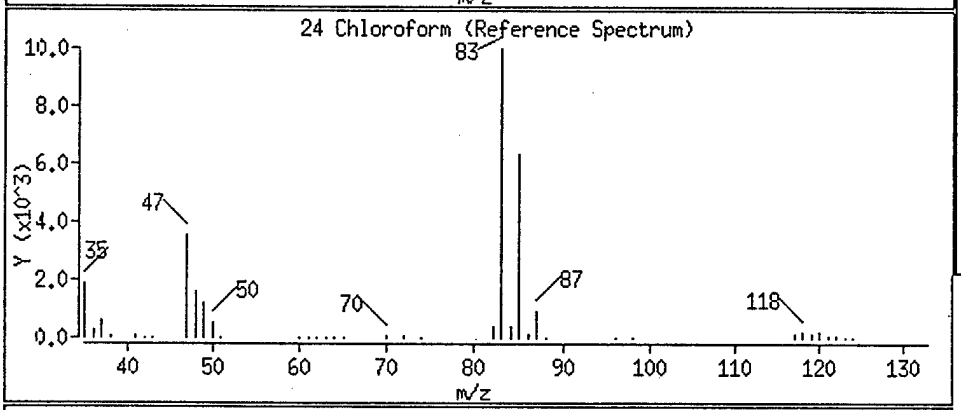
24 Chloroform

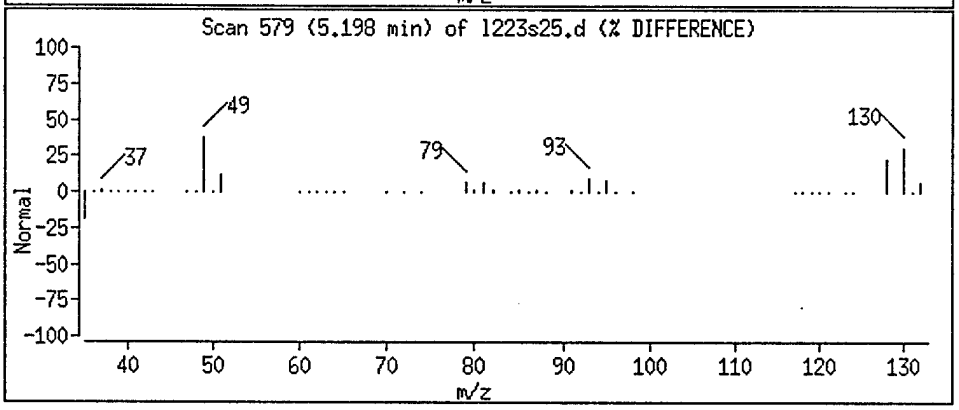












[redacted]ftware Version: 3.2 <16C20>
[redacted]mple Name : 9508461-05B Time : 08/22/95 06:08
Sample Number: SC ;S Study : DROS
[redacted]erator : SEG

[redacted]strument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

[redacted]terface Serial # : 4118271220 Data Acquisition Time: 08/22/95 05:40
[redacted]lay Time : 0.50 min.
End Time : 28.25 min.
[redacted]mpling Rate : 1.0000 pts/sec

[redacted]w Data File : l:\data\tchrom\pest\hp_t\TT__780.raw
Result File : l:\data\tchrom\pest\hp_t\TT__780.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
[redacted]ocess File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
[redacted]mple File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

[redacted]j. Volume : 1 ul Area Reject : 100.00
[redacted]mple Amount : 1.0000 Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
[redacted]	0.563	323263.00	279572.25	BB	5.0000e5	0.4605	428.9275		0.6465
2	0.669	174118.00	90920.95	BB	5.0000e5	0.4605	428.9275		0.3482
3	0.783	1022995.00	576304.69	BB	5.0000e5	0.4605	428.9275		2.0460
[redacted]	0.915	34340.64	14189.52	BV	4.9999e5	0.4605	428.9275		0.0687
[redacted]	1.038	1672062.38	563211.38	VB	5.0000e5	0.4605	428.9275		3.3441
6	1.189	44203.34	14685.36	BV	5.0000e5	0.4605	428.9275		0.0884
7	1.249	86561.59	46796.64	VV	5.0000e5	0.4605	428.9275		0.1731
[redacted]	1.319	983196.94	449344.63	VE	5.0000e5	0.4605	428.9275		1.9664
[redacted]	1.418	23174.00	9351.84	EV	4.9999e5	0.4605	428.9275		0.0464
[redacted]	1.489	35407.09	9038.31	VB	5.0000e5	0.4605	428.9275		0.0708
11	1.669	25606.92	9392.73	BV	4.9999e5	0.4605	428.9275		0.0512
12	1.759	51758.56	17278.28	VV	5.0000e5	0.4605	428.9275		0.1035
[redacted]	1.920	6732.06	1941.25	VB	5.0000e5	0.4605	428.9275		0.0135
[redacted]	2.181	956218.81	287469.28	BV	5.0000e5	0.4605	428.9275		1.9124
[redacted]	2.315	125502.59	23970.30	VV	5.0000e5	0.4605	428.9275		0.2510
16	2.506	84634.11	22980.13	VV	5.0000e5	0.4605	428.9275		0.1693
[redacted]	2.660	211945.41	51500.83	VE	5.0000e5	0.4605	428.9275		0.4239
[redacted]	2.816	8041.00	2396.77	EV	5.0000e5	0.4605	428.9275		0.0161
[redacted]	2.938	114453.03	25913.32	VB	5.0000e5	0.4605	428.9275		0.2289
20	3.205	1423533.50	445322.41	BE	4.9999e5	0.4605	428.9275		2.8471
21	3.435	50146.00	8861.02	EV	5.0000e5	0.4605	428.9275		0.1003
[redacted]	3.512	35490.22	7477.61	VV	5.0000e5	0.4605	428.9275		0.0710
[redacted]	3.637	44798.81	9922.30	VV	5.0000e5	0.4605	428.9275		0.0896
24	3.795	95843.25	7601.59	VV	5.0000e5	0.4605	428.9275		0.1917
25	4.163	62372.41	7019.19	VV	5.0000e5	0.4605	428.9275		0.1247
[redacted]	4.340	16958.41	4732.21	VV	5.0000e5	0.4605	428.9275		0.0339
[redacted]	4.483	247006.03	89800.63	VV	5.0000e5	0.4605	428.9275		0.4940
[redacted]	4.592	555799.63	219342.48	VE	5.0000e5	0.4605	428.9275		1.1116
29	4.683	26066.00	6503.64	EV	5.0000e5	0.4605	428.9275		0.0521
30	4.888	47602.03	9416.44	VV	5.0000e5	0.4605	428.9275		0.0952
[redacted]	4.997	29201.63	11069.54	VV	5.0000e5	0.4605	428.9275		0.0584
[redacted]	5.155	6343.81	1664.58	VV	5.0000e5	0.4605	428.9275		0.0127
33	5.315	14119.00	2261.77	VV	5.0000e5	0.4605	428.9275		0.0282
34	5.567	11789.22	2597.43	VV	5.0000e5	0.4605	428.9275		0.0236
[redacted]	5.663	35434.03	8997.98	VV	1970.0000	0.4605	428.9275	2-FLUOROBIPHENYL	17.9868
[redacted]	5.919	15324.03	4104.30	VV	5.0000e5	0.4605	428.9275		0.0307
37	6.071	4898.41	1194.03	VV	5.0000e5	0.4605	428.9275		0.0098
38	6.175	729.02	308.52	VB	5.0000e5	0.4605	428.9275		0.0015
[redacted]	6.266	16171.05	5969.03	BV	4.9999e5	0.4605	428.9275		0.0323
[redacted]	6.399	132196.78	53062.86	VV	5.0000e5	0.4605	428.9275		0.2644
[redacted]	6.666	23142.50	2959.90	VV	5.0000e5	0.4605	428.9275		0.0463
42	6.800	14756.02	2962.81	VV	5.0000e5	0.4605	428.9275		0.0295
43	6.876	11765.59	2058.12	VV	5.0000e5	0.4605	428.9275		0.0235
[redacted]	7.017	2060.78	634.18	VV	5.0000e5	0.4605	428.9275		0.0041
[redacted]	7.214	7228.38	1480.61	VB	5.0000e5	0.4605	428.9275		0.0145
46	7.419	2252.47	477.07	BV	4.9999e5	0.4605	428.9275		0.0045
47	7.563	2184.25	599.44	VV	5.0000e5	0.4605	428.9275		0.0044
[redacted]	7.685	5228.22	736.07	VV	5.0000e5	0.4605	428.9275		0.0105
[redacted]	7.925	5910.44	1021.48	VV	5.0000e5	0.4605	428.9275		0.0118

50	8.007	4872.78	1109.68	VV	1969.9999	0.4605	428.9275	Total Petroleum Hydr	2.4735
51	8.147	3340.52	688.99	VV	5.0000e5	0.4605	428.9275		0.0067
52	8.243	19309.13	6852.63	VV	4.9999e5	0.4605	428.9275		0.0386
53	8.430	4403.84	1294.95	VV	5.0000e5	0.4605	428.9275		0.0088
54	8.516	928.39	347.63	VB	5.0000e5	0.4605	428.9275		0.0019
55	8.647	539.00	129.84	BB	1970.0000	0.4605	428.9275	o-Terphenyl	0.2736
56	8.873	5007.25	786.29	BV	5.0000e5	0.4605	428.9275		0.0100
57	9.083	12582.19	3714.76	VV	5.0000e5	0.4605	428.9275		0.0252
58	9.421	2990.63	537.10	VB	4.9999e5	0.4605	428.9275		0.0060
59	9.669	143425.52	63073.88	BE	5.0000e5	0.4605	428.9275		0.2869
60	9.778	1040.00	403.85	EV	5.0000e5	0.4605	428.9275		0.0021
61	9.863	2161.56	557.45	VV	5.0000e5	0.4605	428.9275		0.0043
62	9.963	9576.00	1866.52	VV	5.0000e5	0.4605	428.9275		0.0192
63	10.135	6707.97	1375.72	VE	5.0000e5	0.4605	428.9275		0.0134
64	10.363	497.00	127.34	EB	5.0000e5	0.4605	428.9275		0.0010
65	10.471	2541.09	604.20	BV	4.9999e5	0.4605	428.9275		0.0051
66	10.591	6058.53	2147.67	VV	5.0000e5	0.4605	428.9275		0.0121
67	10.865	6288.25	1375.60	VV	5.0000e5	0.4605	428.9275		0.0126
68	10.967	3666.55	868.55	VV	5.0000e5	0.4605	428.9275		0.0073
69	11.068	6409.59	938.12	VE	5.0000e5	0.4605	428.9275		0.0128
70	11.326	1096.00	210.80	EB	5.0000e5	0.4605	428.9275		0.0022
71	11.522	3973.56	684.43	BV	5.0000e5	0.4605	428.9275		0.0080
72	11.757	2112.75	359.89	VV	5.0000e5	0.4605	428.9275		0.0042
73	11.973	7622.81	1536.05	VV	5.0000e5	0.4605	428.9275		0.0153
74	12.231	12299.00	1892.71	VV	5.0000e5	0.4605	428.9275		0.0246
75	12.321	5965.64	1353.76	VV	5.0000e5	0.4605	428.9275		0.0119
76	12.444	5664.81	995.88	VV	5.0000e5	0.4605	428.9275		0.0113
77	12.683	11893.75	1853.23	VV	5.0000e5	0.4605	428.9275		0.0238
78	12.849	7985.59	1069.47	VV	5.0000e5	0.4605	428.9275		0.0160
79	13.239	28271.50	1644.51	VV	5.0000e5	0.4605	428.9275		0.0565
80	13.635	40156.50	1668.14	VV	5.0000e5	0.4605	428.9275		0.0803
81	13.803	13716.56	1171.21	VV	5.0000e5	0.4605	428.9275		0.0274
82	14.089	1723.66	445.12	VB	5.0000e5	0.4605	428.9275		0.0035
		9315397.00	3.52e6			37.7569	35172.0586		39.2830

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF	VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.663	35434.03	8997.98	BV	1970.0000	0.4605		1.6564	2-FLUOROBIPHENYL	17.9868
3	8.647	539.00	129.84	BB	1970.0000	0.4605		1.6564	o-Terphenyl	0.2736
		35973.03	9127.82			0.9209		3.3128		18.2604

END

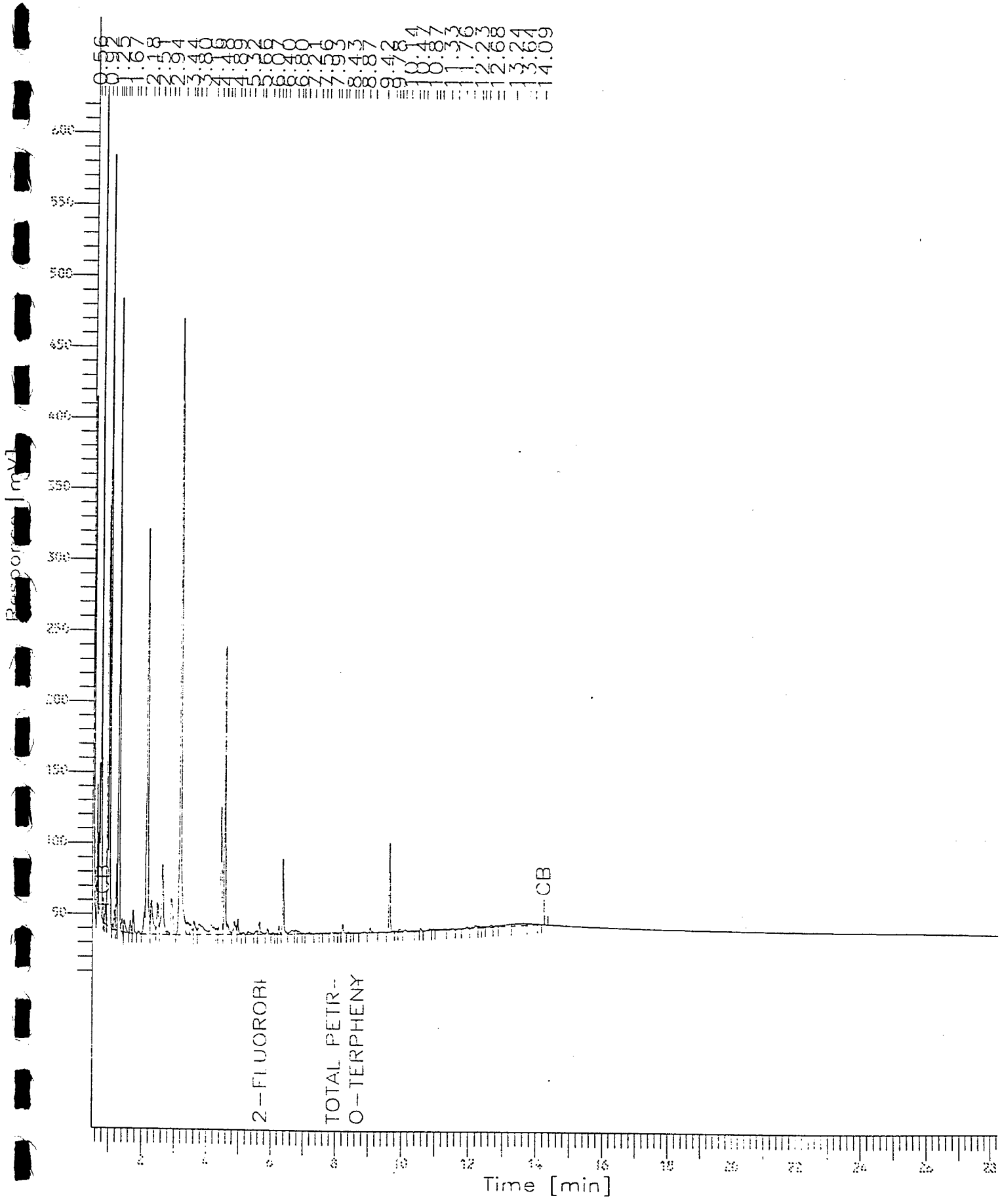
Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__780.TXO

454.16 (0.35241)(2.0/1000)
0.32

Chromatogram

Sample Name : 9508461-05B
FileName : l:\data\tchrom\pest\hp_t\TT__780.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 6 mV

Sample #: SC ;S
Date : 08/22/95 06:09
Time of Injection: 08/22/95 05:40
Low Point : 6.41 mV High Point : 625.42 mV
Plot Scale: 619 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-06

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

08/29/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/05/95
DATE RECEIVED: 08/11/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508461-06

Operational Tech

SAMPLE ID: Trip Blank

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	100	76	114
Toluene-d8	50 ug/L	96	88	110
4-Bromofluorobenzene	50 ug/L	94	86	115

ANALYZED BY: JC DATE/TIME: 08/12/95 02:31:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950811.b/l223s24.d
Lab Smp Id: 9508461-06A
Inj Date : 12-AUG-1995 02:31
Operator : JC Inst ID: l.i
Smp Info : 9508461-06A-8240W/1X
Misc Info : L223W2/L223B02/L223CW2
Comment :
Method : /chem/l.i/l950811.b/lvoclpw.m
Meth Date : 14-Aug-1995 12:11 jimmy Quant Type: ISTD
Cal Date : 11-AUG-1995 22:19 Cal File: l223cw2.d
Als bottle: 41
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 23 Bromochloromethane	128.00	5.184	5.173	(1.000)	64598	250	
* 32 1,4-Difluorobenzene	114.00	6.895	6.893	(1.000)	331240	250	
* 50 Chlorobenzene-d5	117.00	11.067	11.065	(1.000)	261949	250	
$ 26 1,2-Dichloroethane-d4	102.00	5.950	5.957	(1.148)	24748	250	50
$ 43 Toluene-d8	98.00	9.115	9.113	(0.824)	345778	240	48
$ 61 Bromofluorobenzene	95.00	12.743	12.741	(1.151)	118864	240	47

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l223s24.d
Lab Smp Id: 9508461-06A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950811.b/lvoclpw.m
Misc Info: L223W2/L223B02/L223CW2

Calibration Date: 08/11/95
Calibration Time: 2219

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	65730	32865	131460	64598	-1.72
32 1,4-Difluorobenzene	338626	169313	677252	331240	-2.18
50 Chlorobenzene-d5	263618	131809	527236	261949	-0.63

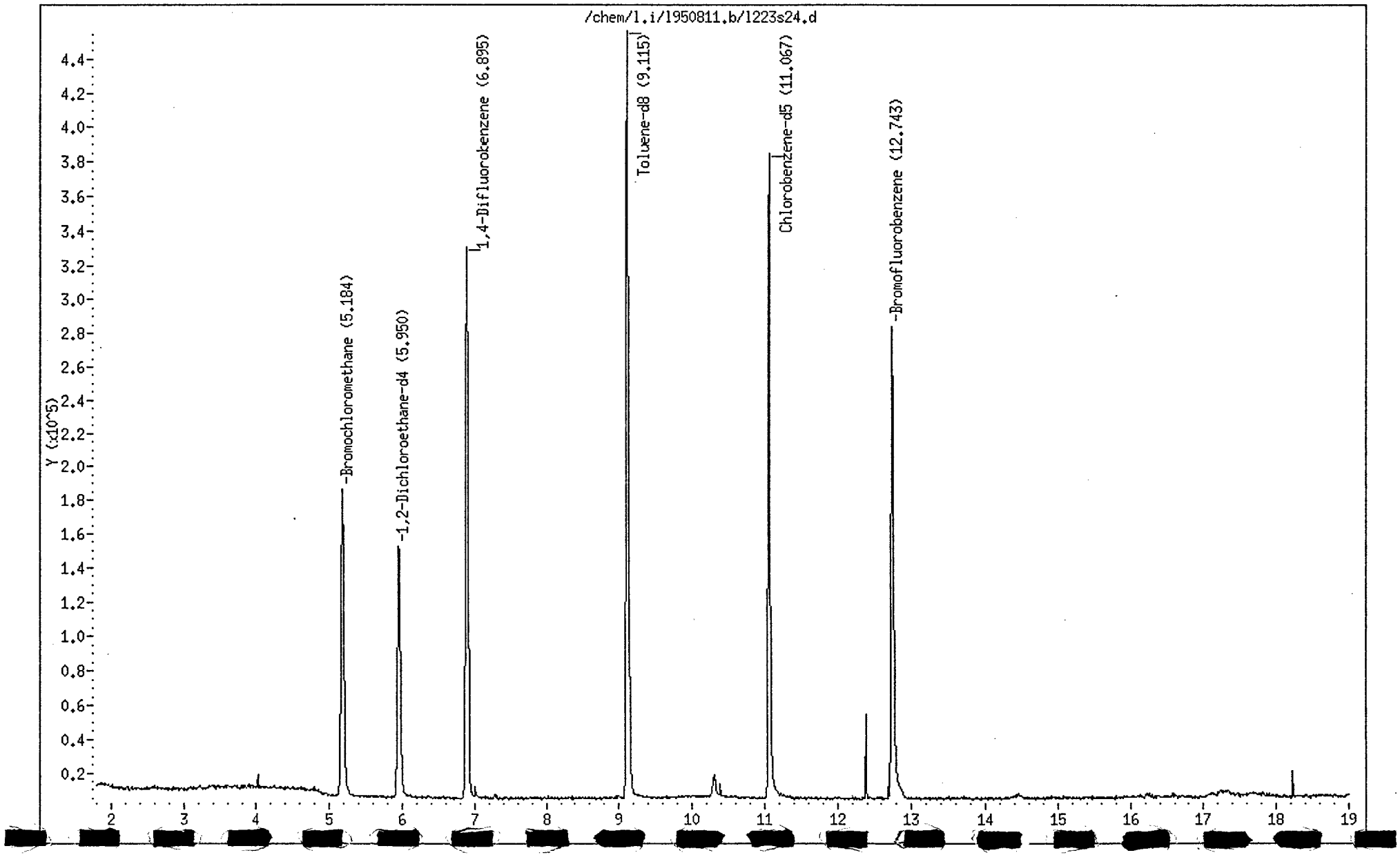
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.17	4.67	5.67	5.18	0.21
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.03
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950811.b/1223s24.d
Date : 12-AUG-1995 02:31
Client ID:
Sample Info: 9508461-06A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



File: 08595BQ

Method: 1995_3PT Standard: BLK

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0003	.0105	-.0025	.0000	-.0002	.1807	.0001
SDev	.0000	.0005	.0014	.0001	.0000	.0006	.0001
%RSD	15.73	4.491	55.66	666.7	1.151	.3264	100.3
#1	.0002	.0110	-.0025	.0002	-.0002	.1810	.0002
#2	.0003	.0109	-.0010	.0000	-.0002	.1803	.0001
#3	.0003	.0104	-.0027	-.0001	-.0002	.1810	.0002
#4	.0003	.0098	-.0017	.0001	-.0002	.1798	.0000
#5	.0003	.0107	-.0047	-.0001	-.0002	.1812	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0002	.0006	.0009	.0003	-.0156	-.0002	.0005
SDev	.0002	.0001	.0001	.0001	.0025	.0003	.0001
%RSD	129.5	8.869	5.048	40.08	15.80	207.1	17.40
#1	.0000	.0006	.0010	.0004	-.0171	.0002	.0006
#2	.0005	.0007	.0010	.0002	-.0163	-.0006	.0004
#3	.0001	.0006	.0009	.0002	-.0184	.0000	.0006
#4	.0002	.0006	.0009	.0002	-.0134	-.0004	.0005
#5	.0000	.0007	.0009	.0004	-.0126	.0000	.0006

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	-.0135	.0011	.0016	.0002	-.0034	.0144	.0001
SDev	.0005	.0006	.0001	.0002	.0009	.0009	.0000
%RSD	3.364	48.25	9.294	88.05	25.81	6.050	55.92
#1	-.0138	.0009	.0016	-.0001	-.0025	.0147	.0001
#2	-.0131	.0012	.0014	.0002	-.0041	.0136	.0001
#3	-.0136	.0007	.0016	.0003	-.0037	.0134	.0000
#4	-.0129	.0009	.0014	.0003	-.0024	.0152	.0001
#5	-.0140	.0021	.0018	.0004	-.0042	.0152	.0001

Elem	Zn2138
Avge	.0036
SDev	.0002
%RSD	4.724
#1	.0036
#2	.0037
#3	.0035
#4	.0033
#5	.0037

95-08-461 (~~[illegible]~~)

Pb

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10377	--	--	--	--	--	--
SDev	119.6046	--	--	--	--	--	--
%RSD	1.152597	--	--	--	--	--	--
#1	10307	--	--	--	--	--	--
#2	10468	--	--	--	--	--	--
#3	10348	--	--	--	--	--	--

#4	10528	--	--	--	--	--	--
#5	10234	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. A

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0374	.0722	.1835	.5319	.3063	.6065	.0947
SDev	.0001	.0007	.0012	.0008	.0004	.0019	.0008
%RSD	.4118	.9813	.6721	.1534	.1182	.3074	.8699
#1	.0373	.0721	.1835	.5332	.3064	.6046	.0937
#2	.0374	.0716	.1817	.5318	.3059	.6088	.0959
#3	.0374	.0734	.1850	.5310	.3065	.6069	.0942
#4	.0376	.0719	.1831	.5320	.3068	.6047	.0951
#5	.0371	.0723	.1842	.5314	.3060	.6078	.0947

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.3904	.1627	.1946	.2033	.1250	.0340	.4161
SDev	.0013	.0003	.0005	.0008	.0049	.0003	.0007
%RSD	.3276	.1822	.2357	.4199	3.904	.8938	.1696
#1	.3887	.1624	.1951	.2023	.1308	.0336	.4159
#2	.3922	.1631	.1942	.2026	.1195	.0341	.4173
#3	.3908	.1624	.1945	.2038	.1262	.0339	.4161
#4	.3900	.1628	.1949	.2034	.1281	.0343	.4153
#5	.3905	.1627	.1941	.2044	.1205	.0343	.4161

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.0589	.1746	.0447	.0497	.1465	.0933	.1417
SDev	.0009	.0010	.0003	.0010	.0027	.0014	.0006
%RSD	1.590	.5864	.7011	1.920	1.868	1.450	.4530
#1	.0602	.1730	.0449	.0487	.1461	.0910	.1428
#2	.0589	.1754	.0442	.0488	.1448	.0946	.1415
#3	.0590	.1756	.0446	.0500	.1464	.0933	.1414
#4	.0590	.1745	.0450	.0503	.1440	.0937	.1416
#5	.0575	.1744	.0447	.0509	.1511	.0938	.1411

Elem	Zn2138
Avge	.2778
SDev	.0010
%RSD	.3718
#1	.2760
#2	.2783
#3	.2781
#4	.2778
#5	.2787

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10399	--	--	--	--	--	--
SDev	47.56804	--	--	--	--	--	--

%RSD	.4574307	--	--	--	--	--	--
#1	10469	--	--	--	--	--	--
#2	10411	--	--	--	--	--	--
#3	10339	--	--	--	--	--	--
#4	10383	--	--	--	--	--	--
#5	10393	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. B

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0933	.1659	.4640	1.337	.7678	1.244	.2367
SDev	.0003	.0004	.0030	.003	.0018	.006	.0009
%RSD	.3248	.2587	.6491	.1932	.2345	.4954	.3780
#1	.0935	.1655	.4633	1.340	.7700	1.245	.2368
#2	.0938	.1662	.4681	1.333	.7671	1.250	.2375
#3	.0930	.1661	.4641	1.338	.7694	1.237	.2355
#4	.0933	.1663	.4597	1.335	.7663	1.250	.2376
#5	.0931	.1654	.4648	1.338	.7661	1.238	.2362

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.9797	.4062	.4848	.5077	.3434	.0849	1.039
SDev	.0037	.0008	.0014	.0009	.0060	.0003	.003
%RSD	.3761	.2080	.2885	.1692	1.747	.3745	.2652
#1	.9798	.4056	.4864	.5078	.3390	.0848	1.040
#2	.9829	.4072	.4842	.5083	.3521	.0852	1.043
#3	.9764	.4057	.4862	.5073	.3371	.0844	1.037
#4	.9839	.4070	.4834	.5086	.3424	.0851	1.040
#5	.9757	.4054	.4839	.5064	.3463	.0851	1.036

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.1689	.4332	.1099	.1238	.3742	.2133	.3555
SDev	.0005	.0019	.0009	.0006	.0022	.0025	.0005
%RSD	.2863	.4365	.8607	.4737	.5846	1.191	.1418
#1	.1687	.4316	.1095	.1242	.3762	.2122	.3554
#2	.1697	.4316	.1109	.1232	.3720	.2128	.3562
#3	.1692	.4353	.1086	.1241	.3739	.2099	.3555
#4	.1684	.4324	.1107	.1231	.3720	.2150	.3555
#5	.1688	.4352	.1097	.1244	.3766	.2164	.3547

Elem	Zn2138
Avge	.6901
SDev	.0020
%RSD	.2855
#1	.6902
#2	.6922
#3	.6884
#4	.6918
#5	.6878

IntStd	1	2	3	4	5	6	7

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10517	--	--	--	--	--	--
SDev	63.99280	--	--	--	--	--	--
%RSD	.6084817	--	--	--	--	--	--
#1	10495	--	--	--	--	--	--
#2	10451	--	--	--	--	--	--
#3	10545	--	--	--	--	--	--
#4	10480	--	--	--	--	--	--
#5	10614	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. C

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.1853	.3210	.9355	2.655	1.518	2.321	.4711
SDev	.0002	.0010	.0030	.003	.000	.004	.0009
%RSD	.1131	.2990	.3226	.0983	.0296	.1797	.1943
#1	.1855	.3215	.9315	2.659	1.518	2.322	.4711
#2	.1852	.3208	.9354	2.656	1.518	2.320	.4702
#3	.1851	.3206	.9360	2.653	1.517	2.319	.4725
#4	.1851	.3199	.9345	2.654	1.518	2.316	.4703
#5	.1856	.3224	.9399	2.652	1.518	2.327	.4711

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	1.945	.8075	.9563	1.017	.7093	.1692	2.054
SDev	.004	.0009	.0006	.001	.0038	.0006	.002
%RSD	.2080	.1146	.0659	.1221	.5381	.3681	.0962
#1	1.946	.8075	.9573	1.015	.7141	.1695	2.056
#2	1.941	.8061	.9566	1.016	.7082	.1682	2.053
#3	1.948	.8082	.9558	1.018	.7038	.1692	2.056
#4	1.940	.8071	.9558	1.019	.7114	.1693	2.052
#5	1.949	.8085	.9559	1.017	.7088	.1699	2.054

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.3528	.8539	.2179	.2504	.7505	.4125	.7117
SDev	.0009	.0041	.0010	.0011	.0029	.0031	.0006
%RSD	.2549	.4758	.4811	.4409	.3847	.7609	.0771
#1	.3536	.8546	.2174	.2502	.7504	.4081	.7115
#2	.3536	.8559	.2165	.2499	.7504	.4105	.7112
#3	.3524	.8532	.2187	.2523	.7458	.4142	.7126
#4	.3515	.8474	.2179	.2497	.7525	.4135	.7115
#5	.3530	.8583	.2191	.2499	.7533	.4160	.7115

Elem	Zn2138
Avge	1.367
SDev	.003
%RSD	.1827
#1	1.366
#2	1.364
#3	1.369

#4	1.365
#5	1.369

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10427	--	--	--	--	--	--
SDev	46.02013	--	--	--	--	--	--
%RSD	.4413689	--	--	--	--	--	--
#1	10411	--	--	--	--	--	--
#2	10457	--	--	--	--	--	--
#3	10379	--	--	--	--	--	--
#4	10490	--	--	--	--	--	--
#5	10396	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICV_0815 Operator: DQ
Run Time: 08/15/95 09:38:02
Comment: STANDIZATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9989	4.960	5.014	4.962	4.989	5.001	5.015
SDev	.0027	.018	.038	.006	.011	.014	.025
%RSD	.2671	.3723	.7650	.1229	.2255	.2824	.4996
#1	1.001	4.963	4.983	4.961	4.988	5.018	5.013
#2	.9965	4.951	4.977	4.966	4.972	4.983	4.983
#3	.9990	4.937	5.047	4.954	4.988	5.012	5.051
#4	1.002	4.963	5.002	4.970	4.996	4.994	5.022
#5	.9961	4.987	5.062	4.962	5.002	4.998	5.005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.009	5.008	4.973	4.993	24.90	4.972	4.963
SDev	.011	.013	.008	.011	.17	.025	.009
%RSD	.2285	.2624	.1660	.2272	.6742	.5060	.1849
#1	5.014	5.011	4.969	4.995	24.84	4.964	4.972
#2	4.992	4.991	4.970	4.977	24.84	4.971	4.951
#3	5.023	5.027	4.965	5.002	25.04	4.958	4.971
#4	5.007	5.010	4.976	4.988	25.11	5.014	4.958
#5	5.010	5.003	4.986	5.004	24.69	4.950	4.962
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	4.973	5.001	5.003	4.986	5.011	5.042	4.971
SDev	.023	.029	.041	.042	.038	.043	.011
%RSD	.4709	.5788	.8219	.8387	.7579	.8583	.2267
#1	4.971	4.986	4.994	4.921	5.031	4.973	4.971
#2	4.945	4.956	4.998	4.966	4.952	5.082	4.952
#3	4.990	5.019	5.059	5.007	4.997	5.047	4.982
#4	5.003	5.020	5.018	5.017	5.028	5.074	4.978
#5	4.958	5.021	4.945	5.018	5.049	5.035	4.972
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Zn2138
Units	ppm
Avge	5.015
SDev	.024
%RSD	.4689
#1	5.026
#2	4.978
#3	5.042
#4	5.014
#5	5.013
Errors	QC Pass
Value	5.000
Range	5.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10490	--	--	--	--	--	--
SDev	74.72304	--	--	--	--	--	--
%RSD	.7123373	--	--	--	--	--	--
#1	10473	--	--	--	--	--	--
#2	10612	--	--	--	--	--	--
#3	10413	--	--	--	--	--	--
#4	10496	--	--	--	--	--	--
#5	10455	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICB_0815 Operator: DQ
Run Time: 08/15/95 09:42:05
Comment: STANDIZATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0118	-.0048	.0007	.0003	-.0014	.0024
SDev	.0030	.0088	.0089	.0010	.0006	.0042	.0017
%RSD	204.8	73.84	184.5	133.3	176.6	296.5	71.33
#1	.0023	-.0004	-.0121	.0021	.0012	-.0041	.0041

#2	-.0029	.0136	-.0118	-.0001	-.0001	-.0010	.0020
#3	.0013	.0151	-.0007	.0003	-.0001	.0058	.0020
#4	.0012	.0231	.0088	-.0001	.0006	-.0034	-.0001
#5	H.0055	.0079	-.0082	.0014	-.0001	-.0045	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0007	.0023	.0021	.0929	.0043	.0006
SDev	.0011	.0019	.0016	.0021	.4014	.0306	.0009
%RSD	83.55	275.8	69.59	100.5	432.1	706.4	157.4
#1	.0022	.0031	.0043	.0031	.1094	.0316	.0021
#2	-.0003	-.0017	.0003	-.0008	-.4713	-.0477	.0002
#3	.0007	.0007	.0013	.0021	.3729	.0088	-.0003
#4	.0021	-.0006	.0022	.0049	-.0985	.0201	.0002
#5	.0017	.0020	.0034	.0012	.5520	.0088	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.0061	-.0000	.0163	.0119	.0256	.0017
SDev	.0127	.0026	.0069	.0103	.0120	.0200	.0019
%RSD	182.0	42.22	120900.	63.31	101.1	78.05	114.8
#1	.0094	.0046	.0073	.0226	.0192	.0583	.0044
#2	-.0128	.0079	.0025	.0147	.0091	.0102	-.0010
#3	.0121	.0068	-.0106	.0109	.0244	.0288	.0017
#4	.0217	.0088	-.0025	.0298	-.0071	.0094	.0016
#5	.0046	.0024	.0033	.0033	.0139	.0214	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0018
SDev	.0012
%RSD	64.58
#1	.0036
#2	.0006
#3	.0014
#4	.0011
#5	.0023
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10375	--	--	--	--	--	--
SDev	70.74406	--	--	--	--	--	--
%RSD	.6818941	--	--	--	--	--	--
#1	10351	--	--	--	--	--	--
#2	10397	--	--	--	--	--	--
#3	10353	--	--	--	--	--	--
#4	10482	--	--	--	--	--	--
#5	10290	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSAI815 Operator: DQ
Run Time: 08/15/95 09:46:08
Comment: STANDIZATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0053	512.0	.3667	.0028	.0011	480.9	-.0042
SDev	.0011	.7	.1268	.0010	.0003	1.4	.0042
%RSD	20.77	.1319	34.57	34.42	26.84	.2910	100.8
#1	-.0052	513.1	.5552	.0040	.0012	479.7	.0021
#2	-.0048	512.1	.2599	.0018	.0006	480.7	-.0083
#3	-.0043	511.7	.2908	.0037	.0012	482.8	-.0021
#4	-.0051	511.3	.2877	.0022	.0012	481.9	-.0063
#5	-.0072	511.9	.4399	.0025	.0012	479.6	-.0063
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	-.0092	.0040	180.1	-.1588	512.4	.0210
SDev	.0004	.0022	.0022	.4	.3721	.9	.0014
%RSD	5.972	24.01	56.53	.2126	234.3	.1698	6.667
#1	.0074	-.0094	.0017	180.4	-.7269	513.3	.0229
#2	.0073	-.0070	.0069	180.1	.1369	512.0	.0222
#3	.0064	-.0069	.0048	180.6	-.1337	513.5	.0197
#4	.0073	-.0106	.0048	180.0	.2020	511.8	.0200
#5	.0073	-.0119	.0017	179.6	-.2726	511.7	.0206
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V 2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0448	.0137	.0159	-.0609	.0533	.1531	.0027
SDev	.0103	.0141	.0168	.0337	.0469	.0375	.0025
%RSD	22.91	103.7	105.3	55.32	87.88	24.48	91.27

#1	-.0580	.0201	-.0120	-.0167	.0915	.1294	.0053
#2	-.0385	.0004	.0215	-.0586	.0055	.1703	.0053
#3	-.0510	.0354	.0187	-.1076	.0037	.1373	.0024
#4	-.0317	.0062	.0334	-.0750	.0626	.1018	-.0003
#5	-.0446	.0062	.0181	-.0466	.1033	.1665	.0011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138
Units	ppm
Avge	.0167
SDev	.0005
%RSD	3.216
#1	.0174
#2	.0167
#3	.0166
#4	.0166
#5	.0159
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10081	--	--	--	--	--	--
SDev	51.83559	--	--	--	--	--	--
%RSD	.5141951	--	--	--	--	--	--
#1	10050	--	--	--	--	--	--
#2	10137	--	--	--	--	--	--
#3	10009	--	--	--	--	--	--
#4	10092	--	--	--	--	--	--
#5	10117	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSABI15 Operator: DQ
Run Time: 08/15/95 09:50:21
Comment: STANDIZATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9502	510.4	.2643	.4925	.4633	474.3	.9238
SDev	.0035	1.3	.0480	.0013	.0014	2.8	.0104
%RSD	.3721	.2534	18.15	.2571	.2995	.5895	1.126
#1	.9540	509.2	.3163	.4928	.4631	478.1	.9238
#2	.9475	509.5	.2893	.4934	.4624	471.0	.9161
#3	.9537	512.5	.1882	.4910	.4657	476.1	.9417
#4	.9462	510.2	.2707	.4940	.4631	472.6	.9179

#5	.9497	510.5	.2570	.4915	.4623	474.0	.9194
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0		.5000	.5000	500.0	1.000
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4500	.4444	.4946	177.7	-.0692	508.1	.4711
SDev	.0006	.0046	.0022	.6	.2040	2.0	.0023
%RSD	.1283	1.042	.4487	.3504	295.0	.3937	.4812
#1	.4500	.4477	.4933	178.2	.0833	509.3	.4737
#2	.4492	.4375	.4959	176.9	-.1351	505.5	.4694
#3	.4499	.4465	.4929	178.5	-.1943	510.7	.4735
#4	.4501	.4418	.4930	177.5	-.2974	507.1	.4694
#5	.4508	.4484	.4979	177.6	.1977	507.7	.4696
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0292	.8653	.9417	-.0740	.0404	.1551	.4672
SDev	.0070	.0184	.0205	.0152	.0346	.0348	.0012
%RSD	23.95	2.122	2.180	20.51	85.52	22.42	.2577
#1	-.0345	.8779	.9678	-.0878	.0863	.1831	.4674
#2	-.0254	.8594	.9129	-.0803	.0185	.0956	.4653
#3	-.0286	.8354	.9501	-.0637	.0171	.1591	.4686
#4	-.0376	.8768	.9453	-.0854	.0689	.1607	.4672
#5	-.0201	.8767	.9322	-.0527	.0113	.1767	.4676
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		1.000	1.000				.5000
Range		20.00	20.00				20.00

Elem	Zn2138
Units	ppm
Avge	.9397
SDev	.0047
%RSD	.5050
#1	.9421
#2	.9346
#3	.9466
#4	.9365
#5	.9386
Errors	QC Pass
Value	1.000
Range	20.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10166	--	--	--	--	--	--
SDev	107.9407	--	--	--	--	--	--
%RSD	1.061773	--	--	--	--	--	--
#1	10082	--	--	--	--	--	--
#2	10283	--	--	--	--	--	--
#3	10026	--	--	--	--	--	--
#4	10239	--	--	--	--	--	--
#5	10200	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0814 Operator: DQ
Run Time: 08/15/95 09:56:23
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0169	.0044	.0002	-.0000	-.0031	.0012
SDev	.0009	.0150	.0031	.0004	.0004	.0064	.0023
%RSD	219.7	89.05	71.27	177.4	903.9	205.3	195.6
#1	.0013	.0130	.0084	.0007	.0006	.0059	.0020
#2	-.0009	.0104	.0038	-.0004	-.0000	-.0101	-.0021
#3	.0012	.0422	.0007	.0003	-.0001	-.0077	.0040
#4	.0002	.0160	.0066	.0003	-.0001	-.0039	.0020
#5	.0002	.0026	.0024	.0003	-.0007	.0003	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0005	.0013	.0036	.1780	.0280	.0002
SDev	.0024	.0038	.0007	.0042	.3449	.0171	.0006
%RSD	35220.	739.2	57.40	115.8	193.8	61.11	310.2
#1	.0032	.0043	.0014	.0107	.4860	.0259	.0007
#2	-.0032	-.0053	.0011	.0029	-.2193	.0422	.0001
#3	.0002	.0019	.0013	.0011	.5701	.0145	.0002
#4	.0012	-.0029	.0023	.0002	.1356	.0483	.0007
#5	-.0013	-.0006	.0002	.0030	-.0823	.0088	-.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0879	.0029	.0023	.0078	-.0163	.0101	.0009
SDev	.0132	.0058	.0091	.0088	.0418	.0118	.0012
%RSD	15.05	201.3	399.6	113.7	255.9	114.8	141.8
#1	.0882	.0091	.0075	.0071	-.0168	.0053	.0017

#2	.0951	.0053	-.0032	-.0008	-.0630	.0034	-.0010
#3	H.1055	-.0033	.0071	.0186	-.0229	-.0016	.0017
#4	.0722	.0067	-.0110	.0147	.0512	.0166	.0017
#5	.0784	-.0034	.0110	-.0007	-.0301	.0277	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0122
SDev	.0015
%RSD	12.44

#1	.0121
#2	.0098
#3	.0140
#4	.0125
#5	.0124

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10430	--	--	--	--	--	--
SDev	97.04664	--	--	--	--	--	--
%RSD	.9304425	--	--	--	--	--	--
#1	10324	--	--	--	--	--	--
#2	10583	--	--	--	--	--	--
#3	10380	--	--	--	--	--	--
#4	10416	--	--	--	--	--	--
#5	10448	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK2814 Operator: DQ
Run Time: 08/15/95 10:00:26
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0054	-.0150	-.0004	-.0003	-.0126	-.0001
SDev	.0016	.0093	.0118	.0007	.0003	.0043	.0014
%RSD	640.4	171.1	78.82	166.6	122.4	34.48	2492.
#1	.0023	.0039	-.0261	-.0001	-.0001	-.0110	.0020
#2	-.0008	.0193	-.0208	-.0008	-.0007	-.0153	-.0000
#3	-.0009	-.0067	.0047	.0003	-.0006	-.0096	-.0001
#4	.0001	.0044	-.0178	-.0001	-.0000	-.0187	-.0001
#5	-.0019	.0063	-.0147	-.0015	-.0000	-.0082	-.0021

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0018	.0003	.0026	.1147	.0067	-.0001
SDev	.0011	.0022	.0017	.0009	.1441	.0129	.0004
%RSD	1307.	122.0	498.1	33.48	125.7	193.0	347.5
#1	.0007	.0007	.0023	.0030	.2962	-.0024	.0002
#2	.0012	-.0041	-.0007	.0030	.0748	.0258	.0002
#3	.0002	-.0007	.0010	.0029	.1429	.0088	-.0003
#4	-.0018	-.0042	.0010	.0010	.1588	-.0077	.0001
#5	.0002	-.0007	-.0019	.0029	-.0993	.0088	-.0008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0771	-.0040	.0005	.0076	-.0041	.0068	.0000
SDev	.0094	.0104	.0106	.0107	.0176	.0091	.0011
%RSD	12.21	260.8	2288.	140.5	427.2	134.0	4040.
#1	.0878	L-.0200	.0158	.0147	.0130	.0145	-.0010
#2	.0668	-.0011	-.0021	.0185	-.0240	.0070	.0017
#3	.0863	.0052	.0051	.0104	.0075	.0037	.0003
#4	.0717	-.0079	-.0038	.0028	-.0223	-.0069	.0003
#5	.0727	.0040	-.0127	-.0084	.0052	.0157	-.0010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.0292
SDev	.0012
%RSD	4.118
#1	H.0308
#2	H.0300
#3	H.0281
#4	H.0280
#5	H.0292

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	10570	--	--	--	--	--	--
SDev	147.3826	--	--	--	--	--	--
%RSD	1.394332	--	--	--	--	--	--
#1	10409	--	--	--	--	--	--
#2	10412	--	--	--	--	--	--
#3	10644	--	--	--	--	--	--
#4	10675	--	--	--	--	--	--
#5	10710	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK3814 Operator: DQ
Run Time: 08/15/95 10:04:30
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0211	-.0161	-.0006	.0003	-.0154	.0012
SDev	.0020	.0202	.0040	.0004	.0003	.0054	.0024
%RSD	337.3	95.48	24.72	71.10	104.7	34.83	195.0
#1	-.0008	.0334	-.0145	-.0004	.0006	-.0138	.0042
#2	.0002	.0334	-.0192	-.0004	.0006	-.0173	-.0021
#3	-.0019	.0121	-.0208	-.0011	-.0000	-.0217	.0020
#4	-.0029	-.0103	-.0108	-.0008	-.0000	-.0169	.0020
#5	.0023	.0371	-.0152	-.0001	.0006	-.0072	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0004	.0006	.0008	-.0501	.0123	.0001
SDev	.0018	.0030	.0009	.0015	.3430	.0064	.0002
%RSD	362.4	672.2	153.3	187.6	685.1	52.42	172.5
#1	.0007	.0008	.0005	.0022	.0528	.0146	.0003
#2	.0017	.0008	.0014	.0021	.3609	.0088	-.0002
#3	-.0003	-.0029	.0012	-.0008	-.1901	.0201	.0002
#4	-.0023	-.0041	-.0008	-.0008	-.5544	.0032	.0002
#5	-.0023	.0032	.0004	.0012	.0805	.0146	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1004	-.0035	.0084	.0110	.0134	.0255	.0014
SDev	.0076	.0040	.0101	.0110	.0328	.0190	.0015
%RSD	7.582	115.1	120.0	100.1	244.3	74.52	105.6
#1	.0979	-.0099	.0222	.0034	.0527	.0226	.0017
#2	H.1003	-.0021	.0124	.0267	.0358	.0416	.0017
#3	H.1071	-.0033	.0066	.0184	.0182	.0011	.0017

#4	H.1078	.0011	.0064	.0031	-.0173	.0149	-.0010
#5	.0891	-.0032	-.0055	.0033	-.0224	.0472	.0031

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0097
SDev	.0010
%RSD	10.38
#1	.0105
#2	.0080
#3	.0103
#4	.0095
#5	.0102

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10328	--	--	--	--	--	--
SDev	120.3591	--	--	--	--	--	--
%RSD	1.165363	--	--	--	--	--	--
#1	10190	--	--	--	--	--	--
#2	10279	--	--	--	--	--	--
#3	10442	--	--	--	--	--	--
#4	10467	--	--	--	--	--	--
#5	10262	--	--	--	--	--	--

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ethod: 1995_3PT Sample Name: LCSW1814 Operator: DQ
Run Time: 08/15/95 10:08:34
omment: 6010
ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.955	2.065	3.942	2.017	2.017	19.81	1.917
SDev	.005	.013	.026	.005	.004	.08	.014
%RSD	.2685	.6243	.6628	.2321	.2140	.3914	.7374
#1	1.953	2.075	3.958	2.024	2.020	19.71	1.899
#2	1.948	2.047	3.977	2.019	2.012	19.75	1.913
#3	1.958	2.070	3.911	2.014	2.016	19.89	1.937
#4	1.954	2.077	3.941	2.014	2.014	19.82	1.914
#5	1.962	2.057	3.925	2.014	2.023	19.86	1.924

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400

Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.960	1.991	2.002	1.990	20.25	20.04	1.965
SDev	.008	.010	.006	.005	.23	.03	.003
%RSD	.4125	.5182	.2760	.2520	1.125	.1486	.1759
#1	1.952	1.985	2.010	1.984	20.39	20.08	1.963
#2	1.951	1.979	2.003	1.985	19.97	20.03	1.961
#3	1.969	2.001	2.000	1.992	20.37	20.04	1.970
#4	1.961	1.987	1.996	1.990	20.06	20.00	1.966
#5	1.965	2.003	1.999	1.996	20.49	20.02	1.967
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.28	1.956	1.922	3.901	3.910	3.896	1.890
SDev	.07	.018	.019	.025	.041	.175	.006
%RSD	.3400	.9284	1.013	.6504	1.040	4.491	.3119
#1	20.39	1.948	1.926	3.922	3.978	3.604	1.888
#2	20.27	1.988	1.897	3.924	3.881	3.861	1.883
#3	20.26	1.945	1.932	3.866	3.915	4.013	1.887
#4	20.27	1.946	1.947	3.882	3.894	4.022	1.894
#5	20.21	1.953	1.909	3.909	3.880	3.978	1.898
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.924
SDev	.006
%RSD	.3351
#1	1.917
#2	1.919
#3	1.929
#4	1.922
#5	1.932
Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10383	--	--	--	--	--	--
SDev	37.86440	--	--	--	--	--	--

%RSD	.3646839	--	--	--	--	--	--
#1	10345	--	--	--	--	--	--
#2	10401	--	--	--	--	--	--
#3	10339	--	--	--	--	--	--
#4	10419	--	--	--	--	--	--
#5	10409	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW2814 Operator: DQ
Run Time: 08/15/95 10:12:37
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.966	2.082	3.953	2.033	2.024	20.00	1.931
SDev	.005	.020	.042	.006	.004	.10	.014
%RSD	.2400	.9744	1.054	.3137	.2172	.4935	.7235
#1	1.966	2.048	4.024	2.042	2.031	19.89	1.908
#2	1.966	2.089	3.928	2.037	2.027	19.91	1.931
#3	1.959	2.090	3.939	2.032	2.024	20.01	1.932
#4	1.968	2.101	3.920	2.029	2.020	20.06	1.942
#5	1.972	2.083	3.955	2.026	2.021	20.12	1.941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.966	2.003	2.016	1.994	20.21	20.09	1.975
SDev	.008	.007	.007	.003	.37	.06	.004
%RSD	.3963	.3358	.3328	.1542	1.826	.2774	.1778
#1	1.955	1.996	2.027	1.990	20.27	20.15	1.972
#2	1.962	2.000	2.016	1.993	20.36	20.02	1.972
#3	1.967	2.006	2.014	1.997	19.85	20.13	1.975
#4	1.974	2.002	2.009	1.992	19.84	20.05	1.979
#5	1.971	2.014	2.013	1.997	20.71	20.13	1.978
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.32	1.953	1.932	3.917	3.926	3.986	1.910
SDev	.13	.011	.020	.045	.033	.160	.003
%RSD	.6200	.5759	1.022	1.137	.8444	4.004	.1699
#1	20.50	1.942	1.903	3.910	3.888	3.726	1.909
#2	20.40	1.948	1.941	3.856	3.934	3.959	1.905
#3	20.28	1.955	1.928	3.908	3.924	4.044	1.911
#4	20.24	1.950	1.957	3.931	3.977	4.145	1.913
#5	20.20	1.972	1.933	3.980	3.909	4.057	1.912

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.923
SDev	.007
%RSD	.3420
#1	1.915
#2	1.921
#3	1.920
#4	1.925
#5	1.933

Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10460	--	--	--	--	--	--
SDev	41.29172	--	--	--	--	--	--
%RSD	.3947613	--	--	--	--	--	--
#1	10397	--	--	--	--	--	--
#2	10500	--	--	--	--	--	--
#3	10494	--	--	--	--	--	--
#4	10462	--	--	--	--	--	--
#5	10446	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW3814 Operator: DQ
Run Time: 08/15/95 10:16:40
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.932	2.060	3.901	2.010	2.017	19.76	1.899
SDev	.008	.014	.021	.004	.007	.07	.011
%RSD	.4351	.6875	.5419	.1860	.3315	.3337	.5740
#1	1.937	2.073	3.900	2.008	2.022	19.82	1.908
#2	1.940	2.076	3.886	2.013	2.022	19.83	1.905
#3	1.935	2.053	3.931	2.013	2.022	19.76	1.908
#4	1.925	2.042	3.911	2.010	2.010	19.71	1.888
#5	1.920	2.056	3.878	2.004	2.010	19.68	1.887

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.938	1.974	1.986	1.967	20.05	19.75	1.949
SDev	.007	.010	.008	.006	.45	.07	.006
%RSD	.3613	.5099	.4005	.3082	2.267	.3310	.2894
#1	1.944	1.968	1.984	1.967	20.41	19.83	1.946
#2	1.941	1.991	1.991	1.975	20.66	19.79	1.956
#3	1.943	1.974	1.997	1.970	19.73	19.76	1.953
#4	1.930	1.969	1.980	1.961	19.68	19.66	1.946
#5	1.930	1.967	1.978	1.961	19.77	19.73	1.943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.96	1.941	1.900	3.866	3.898	4.006	1.883
SDev	.07	.015	.018	.027	.035	.114	.005
%RSD	.3653	.7770	.9468	.6859	.8900	2.847	.2637
#1	20.01	1.949	1.897	3.900	3.890	3.818	1.878
#2	19.98	1.942	1.923	3.879	3.936	4.106	1.890
#3	20.04	1.961	1.913	3.874	3.929	4.087	1.886
#4	19.94	1.931	1.878	3.837	3.852	4.018	1.883
#5	19.85	1.922	1.890	3.842	3.882	4.003	1.879
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.883
SDev	.009
%RSD	.4649
#1	1.887
#2	1.895
#3	1.886
#4	1.877
#5	1.872
Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10585	--	--	--	--	--	--
SDev	152.5437	--	--	--	--	--	--
%RSD	1.441104	--	--	--	--	--	--

#1	10382	--	--	--	--	--	--
#2	10502	--	--	--	--	--	--
#3	10575	--	--	--	--	--	--
#4	10719	--	--	--	--	--	--
#5	10749	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBX10810 Operator: DQ
Run Time: 08/15/95 10:20:49
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0477	-.0178	H.5407	.0008	H.1463	.0017
SDev	.0009	.0131	.0126	.0015	.0004	.0055	.0034
%RSD	175.6	27.36	70.69	.2703	43.70	3.749	201.4
#1	-.0008	.0359	-.0056	H.5421	.0006	H.1419	.0043
#2	.0014	.0363	-.0356	H.5421	.0012	H.1465	.0021
#3	.0014	.0659	-.0159	H.5393	.0006	H.1556	.0022
#4	.0003	.0561	-.0246	H.5391	.0012	H.1431	.0042
#5	.0003	.0444	-.0072	H.5411	.0006	H.1446	-.0042
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0004	.0037	.0163	.5748	.0380	.0003
SDev	.0013	.0021	.0008	.0018	.2299	.0126	.0000
%RSD	408.8	480.2	21.26	11.19	40.00	33.02	7.289
#1	-.0003	.0034	.0038	.0140	.6081	.0440	.0003
#2	-.0008	-.0015	.0026	.0168	.5495	.0263	.0003
#3	.0018	.0010	.0048	.0190	.9420	.0558	.0003
#4	.0017	.0009	.0036	.0157	.3399	.0262	.0003
#5	-.0008	-.0016	.0036	.0158	.4345	.0378	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1138.	.0028	.0167	.0163	.0010	H.1046	.0009
SDev	5.	.0084	.0140	.0044	.0183	.0177	.0019
%RSD	.4702	300.2	83.92	27.02	1810.	16.92	204.7
#1	H1146.	.0075	.0375	.0236	-.0067	H.1272	.0018
#2	H1140.	.0027	.0092	.0154	-.0181	H.1034	-.0010
#3	H1134.	.0133	.0192	.0117	.0223	H.1131	.0032
#4	H1135.	-.0008	.0177	.0153	-.0112	H.1004	-.0010
#5	H1132.	-.0088	-.0003	.0153	.0187	.0790	.0017
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass

High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.2472
SDev	.0012
%RSD	.4981
#1	H.2468
#2	H.2476
#3	H.2482
#4	H.2452
#5	H.2480

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10099	--	--	--	--	--	--
SDev	71.50719	--	--	--	--	--	--
%RSD	.7080761	--	--	--	--	--	--
#1	10038	--	--	--	--	--	--
#2	10114	--	--	--	--	--	--
#3	10012	--	--	--	--	--	--
#4	10177	--	--	--	--	--	--
#5	10153	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBX20810 Operator: DQ
Run Time: 08/15/95 10:24:53
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0492	-.0140	H.4390	.0001	H.2092	-.0013
SDev	.0017	.0188	.0176	.0014	.0003	.0057	.0011
%RSD	346.1	38.29	125.8	.3186	242.2	2.731	83.81
#1	-.0009	.0552	.0116	H.4403	-.0000	H.2034	-.0001
#2	.0001	.0229	-.0252	H.4407	-.0000	H.2091	-.0001
#3	.0022	.0746	-.0072	H.4380	.0006	H.2187	-.0021
#4	-.0019	.0427	-.0150	H.4376	-.0000	H.2067	-.0021
#5	-.0019	.0506	-.0343	H.4385	-.0000	H.2081	-.0021

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	.0010	.0004	.0034	H.0206	.3675	.0231	.0006
SDev	.0019	.0008	.0009	.0011	.4010	.0126	.0005
%RSD	186.4	209.0	26.96	5.531	109.1	54.48	79.37
#1	.0016	.0015	.0028	H.0211	.6084	.0198	.0006
#2	.0006	.0004	.0029	.0193	.3931	.0252	.0006
#3	.0040	.0005	.0049	H.0223	.8853	.0309	.0015
#4	-.0008	.0004	.0038	H.0202	-.0909	.0034	.0005
#5	-.0003	-.0008	.0028	H.0201	.0417	.0360	.0001

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1.839	.0039	.0007	.0155	.0041	.0385	-.0003
SDev	.028	.0043	.0127	.0079	.0139	.0180	.0012
%RSD	1.519	110.0	1703.	50.58	334.4	46.80	469.4
#1	H1.873	.0060	-.0002	.0140	.0215	.0298	-.0010
#2	H1.840	.0104	-.0043	.0215	-.0168	.0282	-.0010
#3	H1.859	-.0003	-.0168	.0255	.0025	.0698	.0016
#4	H1.805	.0017	.0083	.0065	.0043	.0270	-.0010
#5	H1.819	.0017	.0167	.0102	.0093	.0376	.0003

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.1541
SDev	.0009
%RSD	.6068
#1	H.1529
#2	H.1539
#3	H.1555
#4	H.1540
#5	H.1542

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10757	--	--	--	--	--	--
SDev	60.64489	--	--	--	--	--	--
%RSD	.5637693	--	--	--	--	--	--
#1	10771	--	--	--	--	--	--
#2	10754	--	--	--	--	--	--

#3	10657	--	--	--	--	--	--
#4	10787	--	--	--	--	--	--
#5	10817	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0801801B Operator: DQ
Run Time: 08/15/95 10:28:58
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.1956	-.0043	.6109	.0003	11.54	.0417
SDev	.0023	.0209	.0103	.0026	.0003	.13	.0025
%RSD	227.9	10.67	240.9	.4277	110.5	1.121	5.950
#1	-.0039	.1646	.0014	.6154	.0006	11.31	.0403
#2	.0003	.1864	-.0050	.6107	-.0001	11.57	.0432
#3	.0013	.2134	.0067	.6098	.0006	11.58	.0390
#4	-.0029	.1990	-.0038	.6089	-.0001	11.62	.0452
#5	.0002	.2147	-.0208	.6095	.0006	11.60	.0409

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0334	.0056	.1134	.5166	.3758	.2068
SDev	.0013	.0021	.0022	.0023	.4012	.0158	.0020
%RSD	58.63	6.151	39.72	2.026	77.67	4.203	.9555
#1	.0007	.0301	.0032	.1119	-.1650	.3564	.2034
#2	.0032	.0332	.0044	.1102	.7355	.3971	.2077
#3	.0022	.0355	.0084	.1157	.8447	.3849	.2068
#4	.0037	.0344	.0044	.1150	.4978	.3743	.2077
#5	.0012	.0341	.0074	.1143	.6699	.3665	.2084

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	662.4	.0118	.5309	.0193	.0070	.0641	.0001
SDev	3.0	.0092	.0241	.0201	.0172	.0114	.0018
%RSD	.4548	77.60	4.537	104.3	246.0	17.73	2768.
#1	667.5	.0022	.4920	.0112	.0032	.0493	-.0024
#2	662.8	.0216	.5249	.0271	.0243	.0766	.0003
#3	660.7	.0058	.5461	.0076	-.0207	.0584	.0017
#4	660.6	.0216	.5385	.0505	.0127	.0742	.0017
#5	660.5	.0080	.5529	-.0002	.0155	.0619	-.0010

Elem	Zn2138
Units	ppm
Avge	42.20
SDev	.38
%RSD	.8887
#1	41.55
#2	42.26
#3	42.32
#4	42.51
#5	42.37

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10347	--	--	--	--	--	--
SDev	79.76466	--	--	--	--	--	--
%RSD	.7708607	--	--	--	--	--	--
#1	10484	--	--	--	--	--	--
#2	10294	--	--	--	--	--	--
#3	10316	--	--	--	--	--	--
#4	10293	--	--	--	--	--	--
#5	10351	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 801801BS Operator: DQ
Run Time: 08/15/95 10:33:02
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9717	1.221	2.012	1.605	1.012	21.53	1.011
SDev	.0021	.019	.026	.005	.001	.10	.008
%RSD	.2105	1.530	1.298	.2961	.1179	.4788	.7825
#1	.9698	1.225	1.999	1.611	1.011	21.43	1.008
#2	.9715	1.196	2.056	1.603	1.012	21.58	.9999
#3	.9701	1.225	1.996	1.608	1.010	21.40	1.011
#4	.9748	1.247	2.015	1.599	1.011	21.63	1.018
#5	.9726	1.212	1.993	1.605	1.014	21.59	1.019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9705	1.022	1.002	1.098	11.93	10.27	1.187
SDev	.0045	.005	.003	.003	.54	.03	.003
%RSD	.4676	.4631	.3061	.3143	4.499	.2583	.2925
#1	.9694	1.019	1.003	1.099	11.99	10.26	1.185
#2	.9745	1.026	.9989	1.101	12.39	10.29	1.189
#3	.9639	1.018	1.002	1.092	11.20	10.25	1.182
#4	.9750	1.028	1.006	1.100	12.47	10.31	1.190
#5	.9698	1.018	.9989	1.099	11.60	10.25	1.186

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	664.4	.9777	1.498	1.986	2.106	2.020	.9469
SDev	1.7	.0241	.029	.015	.049	.103	.0043
%RSD	.2628	2.467	1.968	.7395	2.333	5.090	.4540
#1	666.3	.9482	1.490	2.007	2.019	1.851	.9488
#2	662.8	.9879	1.530	1.996	2.128	2.010	.9501
#3	665.2	.9719	1.477	1.975	2.116	2.039	.9397
#4	662.4	1.013	1.528	1.977	2.137	2.085	.9463
#5	665.6	.9681	1.465	1.975	2.128	2.116	.9495

Elem	Zn2138
Units	ppm
Avge	43.23
SDev	.21
%RSD	.4830
#1	43.05
#2	43.34
#3	42.96
#4	43.39
#5	43.41

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9873	--	--	--	--	--	--
SDev	55.71871	--	--	--	--	--	--
%RSD	.5643521	--	--	--	--	--	--
#1	9829	--	--	--	--	--	--
#2	9845	--	--	--	--	--	--
#3	9970	--	--	--	--	--	--
#4	9856	--	--	--	--	--	--
#5	9866	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 801801BK Operator [illegible]
Run Time: 08/15/95 10:37:06
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9661	1.222	2.020	1.602	1.005	21.81	1.015
SDev	.0013	.010	.029	.002	.002	.06	.004
%RSD	.1376	.7869	1.454	.1386	.2344	.2606	.3897
#1	.9680	1.208	2.062	1.605	1.001	21.75	1.014
#2	.9651	1.225	2.009	1.603	1.006	21.77	1.011
#3	.9654	1.224	2.006	1.600	1.007	21.90	1.019
#4	.9650	1.219	2.039	1.602	1.004	21.80	1.011
#5	.9670	1.234	1.988	1.599	1.006	21.81	1.019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9721	1.021	.9924	1.091	11.45	10.19	1.185
SDev	.0020	.003	.0024	.006	.60	.02	.002
%RSD	.2039	.3001	.2364	.5261	5.234	.1759	.1501
#1	.9753	1.020	.9935	1.092	11.71	10.19	1.183
#2	.9707	1.019	.9892	1.085	10.68	10.17	1.183
#3	.9703	1.026	.9909	1.100	11.61	10.20	1.187
#4	.9721	1.018	.9935	1.092	12.22	10.17	1.184
#5	.9720	1.021	.9951	1.087	11.04	10.20	1.187

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	670.9	.9718	1.484	1.962	2.021	2.008	.9422
SDev	1.0	.0079	.011	.021	.043	.057	.0024
%RSD	.1486	.8092	.7395	1.045	2.113	2.835	.2539
#1	672.1	.9810	1.482	1.940	1.989	1.927	.9455
#2	671.7	.9658	1.466	1.953	1.996	1.984	.9427
#3	669.8	.9760	1.489	1.992	2.048	2.078	.9413
#4	670.1	.9618	1.491	1.973	2.083	2.037	.9389
#5	670.6	.9746	1.493	1.953	1.988	2.011	.9425

Elem	Zn2138
Units	ppm
Avge	44.12
SDev	.12
%RSD	.2783
#1	44.05
#2	44.06
#3	44.31
#4	44.00
#5	44.16

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10215	--	--	--	--	--	--
SDev	69.21201	--	--	--	--	--	--
%RSD	.6775447	--	--	--	--	--	--
#1	10146	--	--	--	--	--	--
#2	10221	--	--	--	--	--	--
#3	10162	--	--	--	--	--	--
#4	10322	--	--	--	--	--	--
#5	10223	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820403A Operator: DQ
Run Time: 08/15/95 10:41:10
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0685	-.0022	.5932	.0007	366.8	.0091
SDev	.0016	.0088	.0099	.0035	.0003	1.5	.0018
%RSD	97.73	12.89	443.4	.5966	43.97	.3985	19.48
#1	.0037	.0566	.0100	.5975	.0005	365.9	.0088
#2	-.0007	.0627	-.0014	.5965	.0005	364.9	.0107
#3	.0026	.0786	-.0046	.5916	.0005	368.5	.0065
#4	.0014	.0705	-.0171	.5911	.0005	366.7	.0085
#5	.0015	.0739	.0019	.5894	.0012	367.9	.0108

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	.0098	.0026	.0243	.0207	2.104	3.619	1.029
SDev	.0022	.0010	.0010	.0024	.436	.024	.002
%RSD	22.65	39.82	4.093	11.80	20.73	.6551	.2237
#1	.0102	.0025	.0233	.0174	2.458	3.656	1.028
#2	.0059	.0011	.0238	.0240	1.462	3.592	1.027
#3	.0106	.0036	.0251	.0201	2.380	3.624	1.033
#4	.0115	.0035	.0257	.0219	2.379	3.611	1.028
#5	.0106	.0023	.0239	.0201	1.838	3.611	1.029

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	704.9	.0113	.8297	.0298	.0045	.1620	.0021
SDev	3.1	.0036	.0153	.0152	.0220	.0250	.0006
%RSD	.4329	31.66	1.849	51.17	487.1	15.46	30.68
#1	709.6	.0152	.8244	.0245	-.0205	.1881	.0018
#2	706.2	.0077	.8180	.0078	-.0033	.1502	.0018
#3	703.8	.0114	.8150	.0446	.0381	.1823	.0032
#4	702.7	.0146	.8511	.0439	.0116	.1631	.0018
#5	702.2	.0078	.8399	.0281	-.0034	.1263	.0018

Elem	Zn2138
Units	ppm
Avge	1.094
SDev	.004
%RSD	.3590
#1	1.091
#2	1.089
#3	1.096
#4	1.096
#5	1.098

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9876	--	--	--	--	--	--
SDev	83.07990	--	--	--	--	--	--
%RSD	.8412507	--	--	--	--	--	--
#1	9749	--	--	--	--	--	--
#2	9922	--	--	--	--	--	--
#3	9852	--	--	--	--	--	--
#4	9968	--	--	--	--	--	--
#5	9888	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820407A 25/50 Operator: DQ
Run Time: 08/15/95 10:45:14
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0496	.0251	.5006	.0008	387.9	.0095

SDev	.0014	.0276	.0183	.0029	.0004	2.2	.0011
%RSD	353.5	55.69	72.96	.5780	44.70	.5570	11.36
#1	.0004	.0388	.0336	.5040	.0012	386.5	.0088
#2	.0027	.0925	.0157	.4972	.0012	391.1	.0089
#3	-.0007	.0458	.0379	.5021	.0005	388.0	.0108
#4	.0004	.0542	-.0027	.4980	.0005	388.4	.0086
#5	-.0008	.0170	.0406	.5018	.0006	385.4	.0106

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0069	.0241	.0115	1.802	5.284	.2992
SDev	.0024	.0037	.0015	.0018	.508	.043	.0008
%RSD	416.1	53.83	6.407	15.41	28.17	.8169	.2609
#1	.0013	.0050	.0232	.0132	1.790	5.228	.2983
#2	.0024	.0115	.0267	.0103	2.439	5.345	.3002
#3	-.0018	.0061	.0230	.0121	1.805	5.301	.2989
#4	-.0013	.0098	.0239	.0090	1.951	5.276	.2988
#5	-.0034	.0022	.0235	.0128	1.026	5.268	.2998

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	709.5	.0037	.1921	.0193	.0008	.1369	.0015
SDev	1.9	.0119	.0082	.0117	.0199	.0091	.0016
%RSD	.2690	317.9	4.269	60.63	2482.	6.667	101.4
#1	712.0	.0045	.2015	.0039	.0204	.1241	.0018
#2	706.8	.0238	.1898	.0330	.0106	.1473	.0019
#3	709.8	-.0027	.1806	.0120	-.0009	.1385	.0018
#4	708.7	-.0004	.1984	.0200	.0059	.1315	.0032
#5	710.4	-.0064	.1904	.0277	-.0320	.1429	-.0010

Elem	Zn2138
Units	ppm
Avge	.3870
SDev	.0035
%RSD	.8944
#1	.3855
#2	.3925
#3	.3868
#4	.3868
#5	.3831

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9841	--	--	--	--	--	--
SDev	123.5975	--	--	--	--	--	--
%RSD	1.255965	--	--	--	--	--	--
#1	9775	--	--	--	--	--	--
#2	9682	--	--	--	--	--	--
#3	9850	--	--	--	--	--	--

#4	9886	--	--	--	--	--	--
#5	10012	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0822801D Operator: DQ
Run Time: 08/15/95 10:49:18
Comment: 6010
Mode: CONC Corr. Factor: 1

25/50

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.2052	-.0109	.6140	.0009	35.57	.0005
SDev	.0036	.0084	.0097	.0021	.0006	.19	.0009
%RSD	100900.	4.073	88.93	.3384	64.16	.5427	177.0
#1	.0060	.2195	-.0049	.6153	.0019	35.52	.0001
#2	-.0029	.2047	-.0223	.6169	.0005	35.26	.0022
#3	.0004	.2022	-.0068	.6133	.0005	35.59	.0001
#4	-.0018	.1982	-.0005	.6125	.0012	35.76	.0001
#5	-.0018	.2014	-.0200	.6119	.0005	35.69	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0015	.0040	.0203	.9535	2.013	.3776
SDev	.0023	.0011	.0017	.0016	.4394	.032	.0009
%RSD	642.8	73.82	42.11	8.151	46.08	1.578	.2486
#1	.0013	.0026	.0065	.0208	1.597	1.975	.3774
#2	-.0039	.0011	.0029	.0201	.4664	1.988	.3761
#3	.0018	.0012	.0041	.0215	1.175	2.021	.3778
#4	-.0013	-.0000	.0042	.0175	.7502	2.055	.3781
#5	.0003	.0025	.0021	.0216	.7790	2.025	.3785

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	690.8	.0070	.0199	.0378	.0046	.1016	.0007
SDev	1.7	.0071	.0162	.0070	.0246	.0167	.0007
%RSD	.2405	101.8	81.44	18.63	539.3	16.40	94.98
#1	693.3	.0096	.0180	.0416	.0297	.1134	.0019
#2	691.8	-.0051	.0063	.0282	.0006	.0774	.0004
#3	689.5	.0105	.0311	.0410	.0299	.0939	.0004
#4	689.9	.0070	.0030	.0329	-.0139	.1040	.0004
#5	689.6	.0130	.0411	.0453	-.0235	.1196	.0004

Elem	Zn2138
Units	ppm
Avge	.5074
SDev	.0046
%RSD	.9126
#1	.5077
#2	.5002
#3	.5073
#4	.5129
#5	.5090

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9736	--	--	--	--	--	--
SDev	96.24480	--	--	--	--	--	--
%RSD	.9885740	--	--	--	--	--	--
#1	9624	--	--	--	--	--	--
#2	9886	--	--	--	--	--	--
#3	9754	--	--	--	--	--	--
#4	9706	--	--	--	--	--	--
#5	9709	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0821501A Operator: DQ
Run Time: 08/15/95 10:53:23
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.1803	-.0171	.1353	.0004	38.24	.0030
SDev	.0016	.0110	.0149	.0011	.0003	.41	.0035
%RSD	3399.	6.100	87.03	.8306	70.17	1.062	117.1
#1	-.0026	.1665	-.0107	.1372	.0006	37.62	.0021
#2	-.0004	.1872	-.0288	.1347	.0006	38.13	.0085
#3	.0018	.1874	-.0370	.1345	.0005	38.42	.0001
#4	.0007	.1703	-.0038	.1346	-.0001	38.30	.0043
#5	.0007	.1901	-.0053	.1353	.0005	38.71	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.0112	.0182	1.154	.6212	1.500	.1568
SDev	.0036	.0029	.0016	.005	.3195	.021	.0011
%RSD	122.5	25.75	8.561	.4008	51.43	1.398	.6960
#1	-.0028	.0070	.0161	1.146	.3635	1.501	.1555
#2	.0018	.0121	.0194	1.156	.3499	1.491	.1569
#3	.0044	.0111	.0188	1.156	1.039	1.522	.1585
#4	.0059	.0109	.0196	1.158	.8856	1.469	.1567
#5	.0055	.0151	.0170	1.156	.4677	1.515	.1563

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	655.6	.1097	.0085	.0177	-.0156	.0885	.0002
SDev	2.0	.0088	.0078	.0127	.0151	.0274	.0018
%RSD	.3092	7.994	91.66	71.65	96.78	30.98	1114.
#1	659.1	.0968	.0044	.0325	-.0251	.0743	-.0010
#2	654.9	.1093	.0051	.0089	.0073	.1113	-.0010
#3	655.1	.1214	.0015	.0252	-.0267	.0533	.0005
#4	655.2	.1099	.0102	.0210	-.0075	.0831	.0033
#5	653.8	.1111	.0212	.0010	-.0261	.1204	-.0010

Elem	Zn2138

Units	ppm
Avge	.2705
SDev	.0032
%RSD	1.189
#1	.2649
#2	.2719
#3	.2713
#4	.2711
#5	.2731

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9967	--	--	--	--	--	--
SDev	124.5036	--	--	--	--	--	--
%RSD	1.249118	--	--	--	--	--	--
#1	10122	--	--	--	--	--	--
#2	10031	--	--	--	--	--	--
#3	9905	--	--	--	--	--	--
#4	9984	--	--	--	--	--	--
#5	9795	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821501AS Operator: DQ
Run Time: 08/15/95 10:57:27
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9716	1.208	2.014	1.117	.9924	48.25	.9827
SDev	.0016	.017	.016	.002	.0007	.29	.0050
%RSD	.1657	1.382	.7771	.2168	.0718	.6020	.5137
#1	.9709	1.187	1.997	1.120	.9929	47.87	.9757
#2	.9701	1.196	2.021	1.118	.9932	48.14	.9792
#3	.9704	1.222	2.036	1.116	.9923	48.39	.9880
#4	.9725	1.211	2.009	1.118	.9914	48.22	.9847
#5	.9739	1.226	2.004	1.114	.9924	48.65	.9856

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9719	1.0000	1.000	2.130	11.45	11.35	1.131
SDev	.0074	.00341	.003	.009	.17	.05	.003
%RSD	.7575	.3406	.2931	.4321	1.459	.4123	.2578
#1	.9620	.9944	1.003	2.121	11.21	11.27	1.128
#2	.9710	1.000	.9974	2.124	11.39	11.36	1.130
#3	.9756	1.004	1.001	2.132	11.45	11.35	1.131
#4	.9693	1.001	.9967	2.126	11.64	11.39	1.130
#5	.9818	1.001	1.003	2.145	11.57	11.38	1.136

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	659.7	1.062	.9676	1.969	2.088	1.985	.9405
SDev	1.0	.011	.0129	.036	.003	.099	.0023
%RSD	.1442	1.009	1.334	1.842	.1522	4.974	.2424
#1	661.4	1.063	.9613	1.963	2.089	1.816	.9395
#2	659.2	1.050	.9558	1.919	2.086	2.044	.9428
#3	659.0	1.060	.9583	1.960	2.083	2.063	.9424
#4	659.7	1.058	.9846	2.016	2.090	1.989	.9372
#5	659.4	1.079	.9782	1.989	2.090	2.015	.9407

Elem	Zn2138
Units	ppm
Avge	1.254
SDev	.009
%RSD	.6786
#1	1.242
#2	1.257
#3	1.260
#4	1.249
#5	1.264

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10108	--	--	--	--	--	--
SDev	98.85401	--	--	--	--	--	--
%RSD	.9779856	--	--	--	--	--	--
#1	10197	--	--	--	--	--	--
#2	10161	--	--	--	--	--	--
#3	10091	--	--	--	--	--	--
#4	10147	--	--	--	--	--	--
#5	9945	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821501AK 25/5 Operator: DQ
Run Time: 08/15/95 11:01:29
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9816	1.230	2.054	1.130	1.017	48.76	.9942
SDev	.0094	.018	.044	.005	.002	.49	.0104
%RSD	.9608	1.458	2.149	.4739	.2104	.9948	1.043
#1	.9942	1.214	2.086	1.129	1.020	49.09	1.003
#2	.9875	1.255	2.059	1.123	1.016	49.29	1.003
#3	.9712	1.211	2.016	1.136	1.014	48.12	.9799
#4	.9742	1.235	2.004	1.134	1.017	48.40	.9865
#5	.9808	1.235	2.107	1.127	1.016	48.88	.9989

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9840	1.010	1.010	2.151	11.21	11.48	1.145

SDev	.0090	.010	.003	.014	.72	.12	.009
%RSD	.9115	.9701	.2513	.6618	6.411	1.035	.7537
#1	.9874	1.023	1.012	2.163	12.08	11.61	1.154
#2	.9905	1.017	1.010	2.160	11.34	11.56	1.151
#3	.9702	1.001	1.010	2.129	10.25	11.33	1.134
#4	.9800	1.000	1.011	2.144	10.76	11.39	1.138
#5	.9919	1.010	1.005	2.159	11.62	11.50	1.149

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	667.4	1.081	.9917	2.029	2.090	2.090	.9531
SDev	1.3	.009	.0353	.013	.041	.051	.0058
%RSD	.1936	.8255	3.558	.6516	1.983	2.433	.6086
#1	668.1	1.086	1.020	2.024	2.074	2.004	.9595
#2	665.2	1.091	1.030	2.044	2.084	2.119	.9554
#3	667.7	1.069	.9530	2.035	2.035	2.128	.9447
#4	668.5	1.076	.9572	2.009	2.146	2.114	.9500
#5	667.2	1.082	.9989	2.031	2.111	2.088	.9560

Elem	Zn2138
Units	ppm
Avge	1.237
SDev	.015
%RSD	1.189
#1	1.244
#2	1.252
#3	1.214
#4	1.231
#5	1.243

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9597	--	--	--	--	--	--
SDev	213.3037	--	--	--	--	--	--
%RSD	2.222506	--	--	--	--	--	--
#1	9354	--	--	--	--	--	--
#2	9438	--	--	--	--	--	--
#3	9873	--	--	--	--	--	--
#4	9743	--	--	--	--	--	--
#5	9580	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0822101A Operator: DQ
Run Time: 08/15/95 11:05:32
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.2821	-.0132	.6768	.0008	38.90	.0399
SDev	.0035	.0149	.0176	.0009	.0004	.17	.0016

%RSD	178.5	5.287	133.7	.1349	46.28	.4425	4.009
#1	.0039	.2961	-.0109	.6766	.0012	39.03	.0401
#2	-.0029	.2985	.0138	.6778	.0005	38.84	.0416
#3	-.0040	.2808	-.0322	.6762	.0012	38.62	.0408
#4	-.0051	.2685	-.0250	.6776	.0005	39.00	.0374
#5	-.0018	.2666	-.0115	.6757	.0005	39.00	.0393

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1346	2.032	.0077	.0941	89.09	2.724	.1987
SDev	.0019	.008	.0020	.0016	.66	.041	.0017
%RSD	1.408	.3824	25.51	1.733	.7454	1.519	.8591
#1	.1379	2.035	.0099	.0964	90.23	2.796	.2006
#2	.1345	2.040	.0085	.0947	88.76	2.712	.1997
#3	.1337	2.022	.0050	.0930	88.72	2.707	.1961
#4	.1331	2.025	.0086	.0922	88.62	2.690	.1983
#5	.1341	2.036	.0063	.0944	89.12	2.716	.1990

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	751.9	.0305	.9470	.0375	-.0048	.1272	-.0033
SDev	.7	.0046	.0235	.0097	.0196	.0223	.0026
%RSD	.0963	14.96	2.481	25.99	412.1	17.53	78.95
#1	752.3	.0366	.9711	.0341	.0282	.1590	.0004
#2	752.2	.0274	.9342	.0540	-.0030	.1186	-.0025
#3	751.6	.0314	.9306	.0285	-.0196	.1384	-.0039
#4	752.6	.0324	.9253	.0336	-.0184	.1003	-.0040
#5	750.7	.0248	.9739	.0373	-.0110	.1197	-.0068

Elem	Zn2138
Units	ppm
Avge	11.76
SDev	.05
%RSD	.4442
#1	11.81
#2	11.75
#3	11.68
#4	11.78
#5	11.78

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9693	--	--	--	--	--	--
SDev	123.4112	--	--	--	--	--	--
%RSD	1.273194	--	--	--	--	--	--
#1	9530	--	--	--	--	--	--
#2	9696	--	--	--	--	--	--
#3	9869	--	--	--	--	--	--
#4	9644	--	--	--	--	--	--

#5	9727	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0828501C Operator: DQ
Run Time: 08/15/95 11:09:35
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0799	-.0319	.1684	-.0001	7.922	.0009
SDev	.0017	.0137	.0159	.0007	.0000	.062	.0024
%RSD	235.8	17.11	49.68	.4118	11.61	.7828	272.9
#1	-.0007	.0624	-.0416	.1684	-.0001	7.842	-.0021
#2	.0004	.0970	-.0358	.1677	-.0001	7.970	.0001
#3	-.0029	.0749	-.0462	.1678	-.0001	7.928	.0022
#4	.0014	.0899	-.0305	.1686	-.0001	7.992	.0043
#5	-.0018	.0753	-.0056	.1694	-.0001	7.880	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0005	.0015	.0990	.3472	.8547	.0205
SDev	.0023	.0030	.0016	.0023	.6259	.0217	.0006
%RSD	518.0	625.6	105.7	2.349	180.3	2.541	3.140
#1	.0002	-.0003	.0006	.0987	.4240	.8528	.0194
#2	.0028	.0023	.0018	.0971	.5763	.8643	.0207
#3	-.0028	-.0027	-.0004	.0965	-.5360	.8178	.0205
#4	.0023	.0047	.0038	.1009	1.166	.8690	.0211
#5	-.0003	-.0016	.0015	.1019	.1059	.8697	.0207

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	692.2	-.0001	.0152	.0391	.0084	.0795	-.0010
SDev	2.3	.0044	.0090	.0098	.0181	.0154	.0030
%RSD	.3326	2946.	58.96	24.99	216.7	19.32	290.4
#1	695.6	-.0030	.0139	.0317	.0121	.0646	.0004
#2	691.0	.0030	.0243	.0363	-.0084	.0985	-.0010
#3	693.0	.0029	.0006	.0360	-.0054	.0804	-.0038
#4	689.4	.0029	.0196	.0563	.0064	.0902	.0032
#5	691.8	-.0065	.0178	.0354	.0371	.0639	-.0038

Elem	Zn2138
Units	ppm
Avge	.9734
SDev	.0057
%RSD	.5903
#1	.9642
#2	.9771
#3	.9728
#4	.9793
#5	.9735

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10046	--	--	--	--	--	--
SDev	88.20879	--	--	--	--	--	--
%RSD	.8780069	--	--	--	--	--	--
#1	10098	--	--	--	--	--	--
#2	9961	--	--	--	--	--	--
#3	10026	--	--	--	--	--	--
#4	9976	--	--	--	--	--	--
#5	10172	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0833901B 25/50 Operator: DQ
Run Time: 08/15/95 11:13:39
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.5235	-.0207	4.853	.0008	164.5	.0078
SDev	.0028	.0109	.0076	.013	.0004	1.0	.0026
%RSD	77020.	2.072	36.53	.2760	48.12	.6299	32.88
#1	-.0009	.5246	-.0199	4.872	.0005	162.9	.0047
#2	.0002	.5142	-.0146	4.852	.0012	164.7	.0069
#3	.0025	.5137	-.0261	4.842	.0012	165.3	.0115
#4	.0025	.5245	-.0305	4.839	.0005	165.5	.0070
#5	-.0043	.5404	-.0125	4.860	.0005	164.3	.0090

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0099	.1037	2.744	2.137	1.789	1.165
SDev	.0031	.0016	.0022	.004	.466	.031	.004
%RSD	27.74	15.74	2.069	.1388	21.81	1.729	.3503
#1	.0095	.0081	.1072	2.739	2.340	1.765	1.158
#2	.0112	.0107	.1022	2.743	2.412	1.815	1.164
#3	.0118	.0095	.1037	2.750	1.991	1.803	1.168
#4	.0162	.0121	.1037	2.744	2.552	1.816	1.169
#5	.0078	.0092	.1018	2.743	1.390	1.749	1.164

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	666.2	.0214	.2420	.0238	.0115	.1502	.0009
SDev	1.3	.0082	.0208	.0127	.0387	.0082	.0032
%RSD	.2015	38.34	8.579	53.45	337.6	5.473	341.4
#1	668.3	.0186	.2502	.0126	.0440	.1406	.0006
#2	665.4	.0274	.2514	.0298	-.0111	.1614	.0021
#3	665.1	.0313	.2624	.0384	.0426	.1470	.0006
#4	665.4	.0102	.2379	.0299	.0270	.1554	.0052
#5	666.7	.0196	.2083	.0084	-.0452	.1464	-.0038

Elem	Zn2138

Units	ppm						
Avge	21.68						
SDev	.13						
%RSD	.5769						
#1	21.50						
#2	21.68						
#3	21.77						
#4	21.82						
#5	21.64						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9421	--	--	--	--	--	--
SDev	65.93317	--	--	--	--	--	--
%RSD	.6998710	--	--	--	--	--	--
#1	9439	--	--	--	--	--	--
#2	9403	--	--	--	--	--	--
#3	9370	--	--	--	--	--	--
#4	9365	--	--	--	--	--	--
#5	9526	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV10815 Operator: DQ
Run Time: 08/15/95 11:17:41
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.002	4.891	5.042	4.873	5.030	5.129	5.013
SDev	.006	.027	.058	.009	.008	.038	.042
%RSD	.5515	.5518	1.148	.1800	.1593	.7490	.8341
#1	1.009	4.879	5.054	4.873	5.035	5.155	5.034
#2	.9973	4.888	5.006	4.876	5.025	5.120	5.007
#3	1.005	4.920	5.138	4.864	5.036	5.153	5.026
#4	1.002	4.913	5.014	4.866	5.035	5.153	5.054
#5	.9953	4.853	4.998	4.885	5.018	5.066	4.944
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.994	5.046	4.911	4.967	23.87	4.926	4.966
SDev	.028	.021	.004	.014	.62	.033	.019
%RSD	.5603	.4113	.0814	.2858	2.611	.6737	.3817
#1	5.015	5.056	4.917	4.975	24.91	4.932	4.980
#2	4.989	5.036	4.909	4.972	23.35	4.878	4.962
#3	5.007	5.064	4.907	4.982	23.74	4.943	4.976
#4	5.010	5.059	4.909	4.958	23.93	4.966	4.979

#5	4.946	5.014	4.910	4.946	23.43	4.912	4.935
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.740	4.996	5.049	4.953	5.020	5.194	4.986
SDev	.033	.017	.043	.035	.075	.060	.014
%RSD	.7033	.3414	.8465	.7091	1.503	1.164	.2892
#1	4.786	4.984	5.071	4.904	5.065	5.129	4.998
#2	4.729	4.975	5.002	4.929	5.012	5.198	4.985
#3	4.706	5.012	5.104	4.977	5.023	5.215	4.995
#4	4.761	5.013	5.057	4.984	5.099	5.282	4.992
#5	4.715	4.998	5.010	4.973	4.900	5.148	4.962
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	5.012
SDev	.033
%RSD	.6494
#1	5.025
#2	4.992
#3	5.036
#4	5.041
#5	4.965
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10974	--	--	--	--	--	--
SDev	135.3716	--	--	--	--	--	--
%RSD	1.233553	--	--	--	--	--	--
#1	11018	--	--	--	--	--	--
#2	11067	--	--	--	--	--	--
#3	10840	--	--	--	--	--	--
#4	10823	--	--	--	--	--	--
#5	11122	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB10815 Operator: DQ
Run Time: 08/15/95 11:21:52

Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0144	.0165	.0003	-.0001	-.0201	-.0009
SDev	.0025	.0135	.0151	.0008	.0006	.0034	.0011
%RSD	277.1	94.01	91.61	300.4	563.1	16.69	116.6
#1	-.0019	.0155	.0346	-.0004	.0000	-.0251	-.0001
#2	.0011	-.0042	.0159	.0006	-.0000	-.0206	-.0001
#3	-.0049	.0133	.0115	-.0007	-.0012	-.0197	-.0002
#4	.0001	.0134	.0259	.0006	.0006	-.0157	-.0021
#5	.0011	.0339	-.0053	.0013	-.0000	-.0195	-.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0005	.0018	.0010	-.0674	.0122	.0005
SDev	.0014	.0030	.0014	.0032	.5397	.0124	.0006
%RSD	933.4	551.2	81.24	332.3	801.3	101.6	108.7
#1	.0001	.0014	.0008	-.0027	-.7225	.0088	.0005
#2	.0016	.0026	.0027	.0037	.4574	.0251	.0010
#3	-.0022	-.0032	-.0003	.0009	-.5126	-.0071	-.0004
#4	.0001	-.0020	.0027	-.0018	.0005	.0197	.0010
#5	.0011	.0038	.0028	.0046	.4403	.0143	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0392	.0033	-.0017	.0263	.0095	.0371	.0003
SDev	.0138	.0060	.0152	.0145	.0148	.0092	.0022
%RSD	35.21	182.2	876.6	55.36	156.4	24.80	834.1
#1	.0220	-.0016	.0076	.0321	-.0064	.0376	.0003
#2	.0539	.0091	-.0135	.0174	.0106	.0504	.0016
#3	.0296	.0014	-.0103	.0061	.0136	.0248	-.0036
#4	.0388	.0102	.0206	.0432	.0314	.0386	.0016
#5	.0518	-.0026	-.0131	.0325	-.0019	.0343	.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0016
SDev	.0005
%RSD	31.31
#1	.0014

#2	.0015
#3	.0010
#4	.0015
#5	.0024

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10885	--	--	--	--	--	--
SDev	97.62373	--	--	--	--	--	--
%RSD	.8968747	--	--	--	--	--	--
#1	10885	--	--	--	--	--	--
#2	10853	--	--	--	--	--	--
#3	11046	--	--	--	--	--	--
#4	10858	--	--	--	--	--	--
#5	10782	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0837901A 25/50 Operator: DQ
Run Time: 08/15/95 11:28:01
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.4143	.0048	.3483	.0004	5.079	.0016
SDev	.0016	.0104	.0197	.0014	.0003	.027	.0009
%RSD	389.8	2.512	407.9	.4169	64.15	.5413	56.95
#1	-.0018	.4231	.0036	.3479	.0006	5.049	.0021
#2	.0012	.4148	.0030	.3507	.0006	5.050	.0020
#3	-.0008	.4259	.0295	.3475	.0006	5.096	-.0000
#4	-.0019	.4058	-.0247	.3487	.0006	5.093	.0020
#5	.0013	.4021	.0128	.3469	-.0001	5.108	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0009	.0040	.0223	4.464	.2067	.0031
SDev	.0020	.0015	.0012	.0027	.273	.0184	.0003
%RSD	1013.	163.5	30.43	12.22	6.106	8.890	10.10
#1	.0007	-.0004	.0055	.0214	4.560	.2329	.0031
#2	.0026	.0018	.0042	.0266	4.775	.1892	.0035
#3	-.0023	.0007	.0023	.0201	4.570	.2187	.0030
#4	-.0013	-.0005	.0033	.0201	4.051	.1956	.0030
#5	.0012	.0031	.0044	.0231	4.366	.1971	.0026

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	654.7	.0066	.0080	.0180	.0038	.0505	.0000
SDev	2.1	.0070	.0060	.0107	.0205	.0131	.0011

%RSD	.3171	105.8	74.47	59.39	537.8	25.83	2435.
#1	657.7	.0014	.0079	.0152	-.0057	.0600	.0003
#2	655.4	.0156	.0108	.0301	-.0226	.0641	.0017
#3	652.0	.0001	.0024	.0149	.0334	.0423	-.0010
#4	654.2	.0034	.0023	.0032	.0091	.0538	.0003
#5	654.4	.0126	.0164	.0267	.0049	.0324	-.0010

Elem	Zn2138
Units	ppm
Avge	.2618
SDev	.0027
%RSD	1.011
#1	.2609
#2	.2583
#3	.2643
#4	.2610
#5	.2646

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10342	--	--	--	--	--	--
SDev	76.44517	--	--	--	--	--	--
%RSD	.7391949	--	--	--	--	--	--
#1	10231	--	--	--	--	--	--
#2	10429	--	--	--	--	--	--
#3	10363	--	--	--	--	--	--
#4	10382	--	--	--	--	--	--
#5	10303	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819101A Operator: DQ
Run Time: 08/15/95 11:32:04
Comment: 6010
Mode: CONC Corr. Factor: 1

25/50

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0550	-.0114	.2462	.0011	941.3	.0018
SDev	.0015	.0155	.0222	.0021	.0006	6.2	.0032
%RSD	77.91	28.09	194.4	.8373	52.09	.6624	177.8
#1	.0004	.0475	-.0187	.2497	.0012	930.8	.0001
#2	.0037	.0743	-.0312	.2449	.0019	946.6	.0066
#3	.0004	.0658	-.0005	.2448	.0005	941.3	.0022
#4	.0026	.0527	.0219	.2452	.0005	945.1	.0022
#5	.0025	.0349	-.0286	.2466	.0012	942.5	-.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0107	.0053	.0114	3.454	3.802	.1748
SDev	.0015	.0026	.0016	.0017	.221	.034	.0009
%RSD	23.24	24.32	30.19	14.73	6.399	.8979	.5176

#1	.0059	.0086	.0029	.0091	3.244	3.775	.1746
#2	.0082	.0114	.0063	.0123	3.584	3.812	.1762
#3	.0054	.0087	.0051	.0101	3.247	3.793	.1744
#4	.0081	.0099	.0051	.0121	3.439	3.775	.1749
#5	.0049	.0149	.0071	.0131	3.756	3.857	.1738

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.660	.0142	.0087	.0226	-.0105	.1793	-.0005
SDev	.009	.0089	.0125	.0232	.0123	.0186	.0013
%RSD	.3445	62.33	144.1	102.3	117.9	10.38	273.9

#1	2.670	.0195	.0063	.0362	-.0209	.1515	.0004
#2	2.649	.0117	.0173	.0329	-.0125	.2000	.0004
#3	2.659	.0008	-.0027	.0201	-.0212	.1720	-.0025
#4	2.656	.0149	.0255	.0405	-.0064	.1901	-.0010
#5	2.670	.0242	-.0029	-.0165	.0086	.1829	.0004

Elem	Zn2138
Units	ppm
Avge	.1541
SDev	.0035
%RSD	2.244

#1	.1515
#2	.1592
#3	.1546
#4	.1546
#5	.1503

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9838	--	--	--	--	--	--
SDev	69.06303	--	--	--	--	--	--
%RSD	.7020370	--	--	--	--	--	--

#1	9894	--	--	--	--	--	--
#2	9720	--	--	--	--	--	--
#3	9846	--	--	--	--	--	--
#4	9846	--	--	--	--	--	--
#5	9881	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 819101AS Operator: DQ
Run Time: 08/15/95 11:36:07
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9956	1.121	1.996	1.250	.9991	931.9	.9599
SDev	.0028	.014	.021	.003	.0009	4.4	.0110
%RSD	.2805	1.210	1.056	.2538	.0906	.4674	1.142

#1	.9918	1.107	2.007	1.255	.9991	925.3	.9458
#2	.9976	1.135	1.965	1.250	.9983	934.6	.9643
#3	.9965	1.112	2.006	1.249	1.001	930.2	.9515
#4	.9985	1.115	1.985	1.247	.9987	936.5	.9728
#5	.9938	1.136	2.018	1.248	.9988	933.1	.9650

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9364	.9638	1.018	.9628	13.79	13.81	1.120
SDev	.0063	.0054	.005	.0054	.35	.07	.003
%RSD	.6712	.5618	.4487	.5635	2.511	.5398	.2291

#1	.9310	.9573	1.024	.9534	13.37	13.77	1.117
#2	.9411	.9693	1.014	.9670	14.18	13.72	1.120
#3	.9350	.9651	1.023	.9638	14.00	13.90	1.121
#4	.9447	.9683	1.016	.9657	13.90	13.88	1.123
#5	.9304	.9589	1.016	.9641	13.48	13.80	1.119

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.00	.9337	.9381	1.988	2.043	2.052	.9333
SDev	.05	.0211	.0110	.019	.014	.097	.0025
%RSD	.4080	2.259	1.177	.9388	.6729	4.750	.2688

#1	13.01	.9429	.9298	2.006	2.027	1.891	.9305
#2	12.98	.9142	.9357	1.981	2.064	2.044	.9345
#3	13.08	.9161	.9548	2.005	2.036	2.067	.9319
#4	12.94	.9651	.9428	1.989	2.046	2.116	.9324
#5	13.00	.9302	.9275	1.961	2.043	2.140	.9369

Elem	Zn2138
Units	ppm
Avge	1.101
SDev	.010
%RSD	.9361

#1	1.084
#2	1.103
#3	1.102
#4	1.109
#5	1.109

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9854	--	--	--	--	--	--
SDev	30.77162	--	--	--	--	--	--
%RSD	.3122754	--	--	--	--	--	--

#1	9871	--	--	--	--	--	--
#2	9814	--	--	--	--	--	--
#3	9856	--	--	--	--	--	--
#4	9836	--	--	--	--	--	--
#5	9893	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 819101AK Operator: DQ
Run Time: 08/15/95 11:40:10
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9995	1.110	2.014	1.258	1.005	929.8	.9604
SDev	.0028	.015	.039	.004	.002	5.4	.0097
%RSD	.2839	1.390	1.953	.2785	.1983	.5838	1.013
#1	1.002	1.129	2.012	1.259	1.008	930.8	.9737
#2	.9974	1.091	2.025	1.264	1.004	921.0	.9486
#3	.9956	1.099	2.004	1.257	1.004	929.2	.9561
#4	1.001	1.111	1.959	1.257	1.003	933.2	.9574
#5	1.002	1.121	2.068	1.254	1.004	935.0	.9662

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9382	.9700	1.029	.9601	13.53	13.88	1.124
SDev	.0065	.0035	.003	.0023	.42	.02	.003
%RSD	.6873	.3566	.2642	.2385	3.079	.1435	.2331
#1	.9419	.9721	1.033	.9583	13.40	13.91	1.125
#2	.9273	.9649	1.029	.9579	13.08	13.85	1.121
#3	.9373	.9697	1.029	.9597	13.47	13.87	1.123
#4	.9431	.9692	1.025	.9607	14.21	13.87	1.126
#5	.9414	.9740	1.028	.9637	13.46	13.89	1.127

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.16	.9410	.9453	2.001	2.066	2.085	.9400
SDev	.03	.0141	.0222	.040	.049	.089	.0030
%RSD	.1951	1.503	2.348	2.015	2.393	4.287	.3178
#1	13.18	.9541	.9812	2.038	2.135	1.937	.9429
#2	13.17	.9191	.9310	1.936	2.003	2.083	.9370
#3	13.15	.9380	.9271	2.029	2.048	2.111	.9366
#4	13.16	.9408	.9520	1.990	2.054	2.121	.9421
#5	13.11	.9529	.9354	2.009	2.090	2.175	.9414

Elem	Zn2138
Units	ppm
Avge	1.119
SDev	.009
%RSD	.8158
#1	1.125
#2	1.105
#3	1.117
#4	1.120
#5	1.129

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9867	--	--	--	--	--	--
SDev	115.4935	--	--	--	--	--	--
%RSD	1.170456	--	--	--	--	--	--
#1	9697	--	--	--	--	--	--
#2	9998	--	--	--	--	--	--
#3	9897	--	--	--	--	--	--
#4	9929	--	--	--	--	--	--
#5	9816	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819102A 25/50 Operator: DQ
Run Time: 08/15/95 11:44:13
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0478	-.0151	.2940	.0012	881.7	.0034
SDev	.0031	.0087	.0126	.0022	.0005	5.7	.0012
%RSD	278.8	18.22	83.32	.7346	38.31	.6511	34.12
#1	-.0028	.0534	-.0081	.2977	.0019	872.2	.0043
#2	.0049	.0576	-.0341	.2929	.0012	887.0	.0044
#3	-.0006	.0381	-.0059	.2925	.0006	883.1	.0021
#4	.0004	.0506	-.0055	.2928	.0012	881.1	.0042
#5	.0037	.0391	-.0218	.2944	.0012	885.0	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0437	.0020	.0049	.4941	2.872	4.340	.8512
SDev	.0012	.0016	.0007	.0058	.485	.044	.0038
%RSD	2.725	82.86	14.61	1.165	16.88	1.004	.4472
#1	.0449	-.0002	.0039	.4861	2.236	4.298	.8460
#2	.0448	.0036	.0051	.5002	3.437	4.331	.8565
#3	.0420	.0010	.0059	.4919	2.793	4.359	.8514
#4	.0437	.0021	.0047	.4932	2.632	4.308	.8498
#5	.0432	.0034	.0049	.4991	3.264	4.406	.8522

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.911	.1116	.0062	.0163	-.0209	.1994	-.0094
SDev	.017	.0036	.0148	.0056	.0188	.0239	.0017
%RSD	.5951	3.220	238.0	34.45	90.11	11.98	17.97
#1	2.933	.1075	-.0176	.0139	-.0372	.2270	-.0081
#2	2.894	.1135	.0111	.0263	-.0367	.2153	-.0081
#3	2.896	.1126	.0097	.0138	-.0235	.2055	-.0094
#4	2.924	.1160	.0226	.0136	.0086	.1752	-.0093
#5	2.908	.1082	.0053	.0139	-.0157	.1740	-.0122

Elem	Zn2138
Units	ppm
Avge	.5664

SDev	.0030
%RSD	.5336
#1	.5623
#2	.5707
#3	.5660
#4	.5670
#5	.5660

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10019	--	--	--	--	--	--
SDev	94.18333	--	--	--	--	--	--
%RSD	.9400472	--	--	--	--	--	--
#1	9990	--	--	--	--	--	--
#2	9885	--	--	--	--	--	--
#3	10051	--	--	--	--	--	--
#4	10144	--	--	--	--	--	--
#5	10025	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819103A Operator: DQ

Run Time: 08/15/95 11:48:16

Comment: 6010

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0450	-.0154	.6573	.0011	1092.	.0008
SDev	.0011	.0082	.0133	.0038	.0005	8.	.0019
%RSD	105.5	18.14	86.36	.5755	49.69	.7385	224.5
#1	.0013	.0511	-.0087	.6637	.0018	1079.	-.0000
#2	-.0008	.0440	.0034	.6541	.0012	1089.	.0041
#3	.0013	.0437	-.0187	.6574	.0006	1095.	.0000
#4	.0013	.0327	-.0316	.6561	.0006	1094.	-.0000
#5	.0024	.0537	-.0214	.6553	.0012	1100.	-.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.0061	.0043	.0029	1.861	7.066	.3569
SDev	.0032	.0031	.0018	.0016	.335	.018	.0012
%RSD	61.29	51.02	41.10	54.15	17.99	.2555	.3260
#1	.0027	.0032	.0044	.0018	1.605	7.076	.3551
#2	.0057	.0056	.0025	.0018	1.492	7.044	.3572
#3	.0053	.0033	.0026	.0047	1.805	7.055	.3570
#4	.0022	.0104	.0065	.0046	2.123	7.090	.3583
#5	.0102	.0081	.0055	.0018	2.279	7.066	.3570

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.397	.0078	.0010	.0214	.0051	.1841	-.0063
SDev	.020	.0042	.0103	.0132	.0202	.0095	.0006

%RSD	.4649	53.75	1059.	61.59	393.3	5.186	9.778
#1	4.423	.0036	.0033	.0305	.0049	.1979	-.0065
#2	4.375	.0048	.0173	.0073	-.0096	.1840	-.0065
#3	4.412	.0118	-.0094	.0192	-.0192	.1881	-.0066
#4	4.382	.0126	-.0056	.0111	.0203	.1738	-.0065
#5	4.391	.0060	-.0007	.0386	.0293	.1769	-.0052

Elem	Zn2138
Units	ppm
Avge	.1244
SDev	.0013
%RSD	1.074
#1	.1239
#2	.1248
#3	.1245
#4	.1226
#5	.1263

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10231	--	--	--	--	--	--
SDev	54.05239	--	--	--	--	--	--
%RSD	.5283073	--	--	--	--	--	--
#1	10287	--	--	--	--	--	--
#2	10226	--	--	--	--	--	--
#3	10150	--	--	--	--	--	--
#4	10275	--	--	--	--	--	--
#5	10219	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819104A Operator: DQ
Run Time: 08/15/95 11:52:20
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.4492	-.0125	.5663	.0009	984.8	.0034
SDev	.0014	.0069	.0156	.0023	.0004	6.4	.0019
%RSD	120.0	1.539	124.9	.4025	38.05	.6456	55.12
#1	-.0007	.4512	-.0064	.5689	.0012	981.1	.0000
#2	.0003	.4528	-.0102	.5680	.0006	979.1	.0042
#3	.0013	.4371	-.0060	.5667	.0012	981.4	.0042
#4	.0025	.4508	-.0003	.5634	.0005	994.6	.0043
#5	.0024	.4543	-.0396	.5646	.0012	987.7	.0042

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.0076	.0046	.0005	1.766	6.924	.4977
SDev	.0019	.0015	.0013	.0006	.409	.044	.0023
%RSD	23.28	19.58	28.99	109.8	23.17	.6424	.4627

#1	.0064	.0072	.0038	-.0001	1.327	6.957	.4968
#2	.0063	.0083	.0027	.0009	1.394	6.852	.4956
#3	.0108	.0070	.0057	-.0001	1.918	6.931	.4971
#4	.0090	.0098	.0050	.0009	2.317	6.964	.5016
#5	.0084	.0059	.0058	.0009	1.874	6.917	.4975

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.571	.0116	.0068	.0228	.0039	.1831	.0009
SDev	.013	.0045	.0127	.0150	.0309	.0133	.0021
%RSD	.3648	38.96	187.4	65.86	788.9	7.251	231.4

#1	3.565	.0099	-.0086	.0317	.0435	.1898	-.0025
#2	3.571	.0131	-.0046	.0114	-.0407	.1691	.0004
#3	3.592	.0119	.0180	.0034	-.0010	.1821	.0017
#4	3.557	.0054	.0106	.0401	-.0007	.2019	.0018
#5	3.569	.0178	.0185	.0274	.0185	.1726	.0032

Elem	Zn2138
Units	ppm
Avge	.1491
SDev	.0012
%RSD	.7881

#1	.1482
#2	.1479
#3	.1487
#4	.1503
#5	.1504

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10030	--	--	--	--	--	--
SDev	86.86195	--	--	--	--	--	--
%RSD	.8660110	--	--	--	--	--	--

#1	9981	--	--	--	--	--	--
#2	10082	--	--	--	--	--	--
#3	10120	--	--	--	--	--	--
#4	9904	--	--	--	--	--	--
#5	10064	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819105A Operator: DQ
Run Time: 08/15/95 11:56:23
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0420	-.0076	.6367	.0012	898.5	.0018
SDev	.0019	.0158	.0133	.0030	.0000	2.0	.0023
%RSD	118.1	37.54	174.4	.4765	.0000	.2275	133.0

#1	.0036	.0443	.0080	.6416	.0012	897.9	.0022
#2	.0035	.0639	.0053	.6371	.0012	897.0	-.0021
#3	.0014	.0225	-.0141	.6353	.0012	898.9	.0021
#4	-.0007	.0475	-.0208	.6335	.0012	901.9	.0043
#5	.0003	.0321	-.0165	.6359	.0012	896.9	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0214	.0057	.0162	1.975	1.751	.0009
SDev	.0013	.0033	.0014	.0034	.307	.014	.0002
%RSD	74.35	15.51	25.39	21.18	15.53	.8236	23.32

#1	.0033	.0261	.0081	.0171	2.466	1.772	.0008
#2	.0018	.0182	.0048	.0129	1.735	1.739	.0007
#3	-.0003	.0182	.0048	.0129	1.882	1.752	.0012
#4	.0023	.0223	.0060	.0211	2.063	1.736	.0008
#5	.0018	.0221	.0049	.0170	1.727	1.755	.0008

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.737	-.0012	.0225	.0271	.0038	.1760	-.0041
SDev	.026	.0080	.0139	.0162	.0317	.0178	.0012
%RSD	.4611	655.5	61.90	59.83	830.4	10.13	28.25

#1	5.777	.0019	.0390	.0402	.0060	.1878	-.0025
#2	5.703	.0017	.0142	.0155	.0211	.1994	-.0052
#3	5.729	-.0134	.0189	.0116	-.0053	.1568	-.0038
#4	5.737	.0078	.0343	.0483	-.0436	.1749	-.0039
#5	5.739	-.0040	.0058	.0198	.0409	.1613	-.0053

Elem	Zn2138
Units	ppm
Avge	.0780
SDev	.0008
%RSD	1.080

#1	.0789
#2	.0773
#3	.0773
#4	.0789
#5	.0775

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9973	--	--	--	--	--	--
SDev	76.59937	--	--	--	--	--	--
%RSD	.7680644	--	--	--	--	--	--

#1	9898	--	--	--	--	--	--
#2	10055	--	--	--	--	--	--
#3	10048	--	--	--	--	--	--
#4	9900	--	--	--	--	--	--
#5	9963	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0819106A Operator: DQ
Run Time: 08/15/95 12:00:27
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0569	-.0147	1.054	.0013	925.8	.0018
SDev	.0026	.0147	.0127	.004	.0003	3.5	.0018
%RSD	709.2	25.93	86.78	.3532	22.31	.3759	100.3
#1	-.0007	.0637	.0058	1.057	.0019	922.9	.0001
#2	.0004	.0763	-.0184	1.051	.0012	928.7	.0001
#3	-.0018	.0583	-.0131	1.058	.0012	922.4	.0043
#4	.0047	.0373	-.0285	1.050	.0012	930.2	.0022
#5	-.0008	.0489	-.0192	1.054	.0012	924.8	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0093	.0044	.0090	2.787	8.349	.2138
SDev	.0014	.0011	.0012	.0005	.488	.026	.0003
%RSD	59.63	12.26	28.51	5.782	17.53	.3134	.1169
#1	.0013	.0087	.0041	.0100	2.479	8.354	.2135
#2	.0049	.0111	.0050	.0088	2.615	8.318	.2140
#3	.0018	.0085	.0039	.0088	2.615	8.372	.2136
#4	.0023	.0098	.0061	.0089	3.655	8.376	.2141
#5	.0018	.0084	.0028	.0087	2.569	8.327	.2139

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.689	.0082	.0118	.0175	-.0066	.1835	-.0150
SDev	.014	.0027	.0150	.0117	.0244	.0043	.0018
%RSD	.2162	32.78	127.2	66.83	370.0	2.352	12.23
#1	6.694	.0068	.0165	.0202	-.0052	.1801	-.0125
#2	6.672	.0089	.0063	.0362	-.0410	.1878	-.0153
#3	6.695	.0124	-.0080	.0077	-.0192	.1828	-.0166
#4	6.706	.0078	.0110	.0078	.0180	.1880	-.0167
#5	6.675	.0052	.0331	.0156	.0144	.1787	-.0137

Elem	Zn2138
Units	ppm
Avge	.1216
SDev	.0005
%RSD	.3757
#1	.1217
#2	.1218
#3	.1220
#4	.1219
#5	.1208

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9907	--	--	--	--	--	--
SDev	75.67009	--	--	--	--	--	--
%RSD	.7637796	--	--	--	--	--	--
#1	9804	--	--	--	--	--	--
#2	9895	--	--	--	--	--	--
#3	9937	--	--	--	--	--	--
#4	9890	--	--	--	--	--	--
#5	10011	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0822201A 25/50 Operator: DQ
Run Time: 08/15/95 12:04:31
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	62.12	.0174	.2110	.0013	712.9	.0017
SDev	.0007	.04	.0225	.0024	.0005	3.3	.0009
%RSD	262.4	.0647	129.1	1.154	40.17	.4684	55.86
#1	.0003	62.08	.0061	.2146	.0012	708.1	.0021
#2	.0003	62.11	.0125	.2108	.0018	711.1	.0000
#3	.0003	62.14	.0565	.2094	.0012	716.7	.0021
#4	.0013	62.18	-.0001	.2119	.0006	713.8	.0021
#5	-.0008	62.11	.0120	.2082	.0018	714.7	.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0688	.0104	3.567	1.936	4.830	.1906
SDev	.0011	.0022	.0009	.008	.356	.011	.0011
%RSD	120.5	3.215	8.502	.2151	18.41	.2252	.5619
#1	.0007	.0681	.0113	3.567	2.437	4.830	.1892
#2	.0007	.0702	.0112	3.560	2.178	4.845	.1918
#3	-.0003	.0707	.0103	3.579	1.633	4.834	.1915
#4	.0027	.0653	.0091	3.561	1.793	4.815	.1906
#5	.0007	.0698	.0101	3.570	1.641	4.827	.1899

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.185	.0021	.0096	.0213	.0042	.1479	.0238
SDev	.023	.0124	.0166	.0103	.0327	.0180	.0015
%RSD	1.049	587.1	172.5	48.07	776.0	12.14	6.501
#1	2.197	.0106	.0310	.0316	.0108	.1605	.0255
#2	2.216	.0083	.0213	.0315	-.0046	.1281	.0254
#3	2.157	-.0191	.0084	.0159	.0356	.1390	.0228
#4	2.170	.0094	-.0061	.0079	-.0474	.1396	.0226
#5	2.183	.0014	-.0065	.0197	.0267	.1722	.0225

Elem	Zn2138
Units	ppm
Avge	.1779

SDev	.0015
%RSD	.8448
#1	.1757
#2	.1777
#3	.1790
#4	.1774
#5	.1796

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10200	--	--	--	--	--	--
SDev	44.94430	--	--	--	--	--	--
%RSD	.4406253	--	--	--	--	--	--
#1	10166	--	--	--	--	--	--
#2	10208	--	--	--	--	--	--
#3	10146	--	--	--	--	--	--
#4	10222	--	--	--	--	--	--
#5	10259	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0824001C 5% Operator: DQ
Run Time: 08/15/95 12:08:34
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0362	.0368	-.4354	1.183	.0004	156.8	-.0226
SDev	.0021	.0121	.0240	.003	.0003	.6	.0033
%RSD	5.898	32.77	5.507	.2421	62.17	.3727	14.56
#1	-.0334	.0510	-.4343	1.185	.0006	156.4	-.0227
#2	-.0354	.0328	-.3967	1.186	-.0000	156.3	-.0244
#3	-.0389	.0347	-.4512	1.181	.0006	157.3	-.0185
#4	-.0355	.0457	-.4359	1.180	.0006	157.6	-.0269
#5	-.0376	.0200	-.4588	1.186	.0006	156.4	-.0203

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1069	.0509	-.0068	758.4	8.536	11.37	9.896
SDev	.0027	.0038	.0010	2.4	.229	.05	.026
%RSD	2.545	7.526	14.76	.3185	2.679	.4207	.2632
#1	.1079	.0573	-.0056	758.8	8.312	11.32	9.902
#2	.1033	.0468	-.0073	756.8	8.394	11.33	9.868
#3	.1107	.0500	-.0083	760.0	8.905	11.39	9.908
#4	.1057	.0502	-.0066	761.3	8.570	11.41	9.930
#5	.1071	.0503	-.0064	755.3	8.499	11.42	9.871

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.386	.2636	.1211	-.7585	.2853	.5381	.0024
SDev	.007	.0127	.0077	.0505	.0366	.0407	.0018

%RSD	.2795	4.817	6.388	6.660	12.84	7.567	74.84
#1	2.389	.2611	.1115	-.7135	.3435	.5199	.0038
#2	2.391	.2460	.1310	-.7377	.2692	.4864	.0017
#3	2.386	.2754	.1157	-.8219	.2776	.5448	.0026
#4	2.391	.2766	.1255	-.8028	.2449	.5415	-.0002
#5	2.375	.2590	.1219	-.7165	.2914	.5979	.0043

Elem	Zn2138
Units	ppm
Avge	140.9
SDev	.8
%RSD	.5526
#1	140.7
#2	140.1
#3	141.3
#4	142.0
#5	140.3

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10340	--	--	--	--	--	--
SDev	90.89780	--	--	--	--	--	--
%RSD	.8791128	--	--	--	--	--	--
#1	10278	--	--	--	--	--	--
#2	10431	--	--	--	--	--	--
#3	10294	--	--	--	--	--	--
#4	10251	--	--	--	--	--	--
#5	10444	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820401A Operator: DQ
Run Time: 08/15/95 12:12:38
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0450	-.0252	.5071	.0009	809.8	.0071
SDev	.0015	.0097	.0292	.0014	.0003	3.5	.0035
%RSD	113.9	21.54	115.8	.2859	37.38	.4341	49.36
#1	.0035	.0497	.0199	.5097	.0006	807.5	.0064
#2	.0003	.0494	-.0510	.5066	.0012	808.0	.0105
#3	.0003	.0365	-.0298	.5063	.0012	807.7	.0021
#4	.0024	.0561	-.0155	.5063	.0012	815.9	.0105
#5	.0003	.0332	-.0495	.5068	.0006	809.9	.0062

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0026	.0400	.0067	1.064	46.92	1.216
SDev	.0015	.0021	.0017	.0049	.453	.10	.005
%RSD	22.86	80.31	4.235	72.11	42.55	.2197	.3848

#1	.0074	.0034	.0420	.0145	1.611	47.03	1.215
#2	.0053	.0009	.0395	.0075	.5505	46.93	1.213
#3	.0047	.0008	.0380	.0064	.7467	46.90	1.213
#4	.0083	.0058	.0416	.0027	1.448	47.00	1.224
#5	.0067	.0020	.0390	.0026	.9656	46.76	1.214

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.052	.0210	.0409	.0193	.0198	.2189	.0026
SDev	.022	.0094	.0157	.0151	.0294	.0254	.0016
%RSD	.4315	44.83	38.37	78.39	148.4	11.59	61.89

#1	5.074	.0306	.0466	.0276	.0436	.1984	.0032
#2	5.029	.0233	.0410	-.0005	.0016	.2129	.0003
#3	5.034	.0128	.0264	.0269	.0527	.2421	.0017
#4	5.049	.0096	.0640	.0351	.0200	.2486	.0045
#5	5.076	.0287	.0264	.0073	-.0187	.1925	.0031

Elem	Zn2138
Units	ppm
Avge	8.494
SDev	.033
%RSD	.3904

#1	8.474
#2	8.486
#3	8.465
#4	8.550
#5	8.495

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10149	--	--	--	--	--	--
SDev	76.32963	--	--	--	--	--	--
%RSD	.7520961	--	--	--	--	--	--

#1	10042	--	--	--	--	--	--
#2	10133	--	--	--	--	--	--
#3	10221	--	--	--	--	--	--
#4	10124	--	--	--	--	--	--
#5	10225	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV20815 Operator: DQ
Run Time: 08/15/95 12:16:42
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9974	4.873	5.025	4.849	5.035	5.052	4.958
SDev	.0017	.013	.037	.004	.002	.012	.012
%RSD	.1735	.2739	.7412	.0927	.0416	.2332	.2505

#1	.9957	4.868	4.993	4.855	5.033	5.060	4.940
#2	1.000	4.874	5.024	4.843	5.033	5.057	4.954
#3	.9972	4.856	4.989	4.849	5.034	5.033	4.967
#4	.9967	4.873	5.080	4.851	5.037	5.048	4.959
#5	.9971	4.893	5.040	4.847	5.036	5.061	4.972

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.952	5.015	4.917	4.893	23.71	4.897	4.920
SDev	.009	.010	.004	.008	.39	.021	.006
%RSD	.1888	.1974	.0731	.1612	1.659	.4351	.1317

#1	4.938	4.999	4.913	4.880	23.14	4.886	4.914
#2	4.955	5.025	4.918	4.900	23.83	4.933	4.928
#3	4.948	5.018	4.922	4.896	24.15	4.879	4.914
#4	4.958	5.013	4.914	4.897	23.53	4.900	4.919
#5	4.962	5.020	4.919	4.892	23.93	4.891	4.927

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.734	4.947	5.008	4.948	5.026	5.111	4.970
SDev	.013	.031	.024	.052	.051	.066	.006
%RSD	.2786	.6204	.4852	1.045	1.019	1.299	.1197

#1	4.719	4.907	4.978	4.866	5.045	5.000	4.968
#2	4.726	4.929	4.986	5.005	4.984	5.103	4.980
#3	4.747	4.960	5.024	4.973	5.068	5.161	4.969
#4	4.730	4.954	5.021	4.944	4.961	5.137	4.965
#5	4.749	4.987	5.032	4.952	5.074	5.155	4.968

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.962
SDev	.014
%RSD	.2729

#1	4.941
#2	4.972
#3	4.958
#4	4.968
#5	4.973

Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11241	--	--	--	--	--	--
SDev	98.63225	--	--	--	--	--	--
%RSD	.8774673	--	--	--	--	--	--
#1	11376	--	--	--	--	--	--
#2	11195	--	--	--	--	--	--
#3	11284	--	--	--	--	--	--
#4	11236	--	--	--	--	--	--
#5	11112	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB20815 Operator: DQ
Run Time: 08/15/95 12:20:45
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0069	-.0013	.0003	.0000	-.0106	.0021
SDev	.0008	.0158	.0130	.0003	.0000	.0039	.0021
%RSD	493.7	229.3	1029.	125.5	22.75	37.29	99.41
#1	-.0010	.0156	-.0079	.0006	.0000	-.0048	H.0055
#2	.0009	-.0099	-.0042	-.0001	.0000	-.0148	-.0002
#3	.0010	.0286	.0184	.0003	.0000	-.0085	.0017
#4	-.0000	.0058	-.0158	.0006	.0000	-.0127	.0017
#5	-.0000	-.0059	.0032	-.0001	.0000	-.0120	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0004	.0021	.0033	-.1519	.0121	.0005
SDev	.0015	.0006	.0012	.0014	.3189	.0244	.0004
%RSD	159.9	150.6	57.51	43.11	210.0	202.0	75.95
#1	.0001	.0000	.0005	.0035	-.4157	.0088	.0004
#2	-.0003	-.0000	.0031	.0034	-.1885	.0037	-.0000
#3	.0034	-.0010	.0034	.0009	.3525	.0300	.0009
#4	.0001	.0001	.0024	.0044	-.0797	.0404	.0009
#5	.0015	-.0011	.0013	.0043	-.4281	-.0224	.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0431	.0011	.0076	.0194	.0057	.0223	.0007
SDev	.0086	.0119	.0115	.0082	.0177	.0169	.0014

%RSD	19.88	1044.	150.7	42.05	311.1	75.55	200.6
#1	.0332	-.0164	.0009	.0201	.0307	.0404	.0002
#2	.0454	-.0011	.0085	.0270	-.0160	.0105	.0014
#3	.0563	.0044	.0143	.0276	.0054	.0407	.0028
#4	.0413	.0167	.0220	.0131	.0128	.0061	.0002
#5	.0394	.0021	-.0076	.0093	-.0045	.0140	-.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0012
SDev	.0008
%RSD	66.30
#1	.0005
#2	.0010
#3	.0022
#4	.0020
#5	.0004
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11234	--	--	--	--	--	--
SDev	86.60184	--	--	--	--	--	--
%RSD	.7709014	--	--	--	--	--	--
#1	11246	--	--	--	--	--	--
#2	11331	--	--	--	--	--	--
#3	11111	--	--	--	--	--	--
#4	11189	--	--	--	--	--	--
#5	11292	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820404A Operator: DQ
Run Time: 08/15/95 12:26:55
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0437	.0173	.3545	.0012	862.0	.0071
SDev	.0025	.0112	.0120	.0020	.0000	5.1	.0024
%RSD	1861.	25.51	69.53	.5537	.0000	.5965	33.40
#1	-.0008	.0526	.0032	.3577	.0012	853.7	.0042
#2	-.0018	.0397	.0083	.3547	.0012	860.8	.0084
#3	.0024	.0362	.0187	.3529	.0012	864.2	.0063

#4	-.0029	.0320	.0229	.3542	.0012	863.7	.0063
#5	.0024	.0582	.0336	.3529	.0012	867.3	.0105

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0139	1.082	.0062	.4438	6.213	.9379
SDev	.0023	.0019	.003	.0015	.6856	.041	.0034
%RSD	55.97	13.47	.2427	23.93	154.5	.6543	.3625
#1	.0012	.0144	1.086	.0048	.2501	6.190	.9330
#2	.0068	.0156	1.081	.0077	.2088	6.270	.9390
#3	.0033	.0119	1.080	.0058	.5832	6.179	.9402
#4	.0033	.0119	1.079	.0048	-.3407	6.185	.9358
#5	.0063	.0156	1.082	.0077	1.518	6.242	.9412

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.330	.0037	.5823	.0249	-.0014	.1776	.0012
SDev	.018	.0052	.0294	.0133	.0232	.0170	.0019
%RSD	.3348	141.1	5.040	53.41	1707.	9.565	157.2
#1	5.360	-.0053	.5831	.0075	.0304	.1603	.0004
#2	5.318	.0039	.5967	.0274	.0080	.2053	.0004
#3	5.328	.0062	.5825	.0353	.0028	.1799	.0004
#4	5.328	.0061	.5350	.0391	-.0259	.1709	.0003
#5	5.315	.0073	.6139	.0154	-.0221	.1717	.0045

Elem	Zn2138
Units	ppm
Avge	1.508
SDev	.007
%RSD	.4891
#1	1.496
#2	1.506
#3	1.515
#4	1.509
#5	1.512

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10101	--	--	--	--	--	--
SDev	14.94828	--	--	--	--	--	--
%RSD	.1479840	--	--	--	--	--	--
#1	10088	--	--	--	--	--	--
#2	10090	--	--	--	--	--	--
#3	10097	--	--	--	--	--	--
#4	10124	--	--	--	--	--	--
#5	10107	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820405A Operator: DQ

2/16

Run Time: 08/15/95 12:31:07
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0678	-.0043	.5242	.0012	1020.	.0098
SDev	.0015	.0113	.0125	.0014	.0005	7.	.0046
%RSD	107.9	16.61	289.8	.2657	38.42	.7015	47.34
#1	.0003	.0551	-.0043	.5266	.0012	1008.	.0106
#2	.0025	.0856	-.0139	.5234	.0012	1027.	.0107
#3	.0003	.0624	.0147	.5243	.0005	1021.	.0022
#4	.0036	.0672	-.0012	.5233	.0012	1023.	.0107
#5	.0003	.0688	-.0169	.5235	.0019	1022.	.0149

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	.0010	.0533	.0451	1.380	7.115	1.684
SDev	.0021	.0009	.0009	.0019	.252	.032	.007
%RSD	32.72	85.74	1.770	4.323	18.29	.4497	.3992
#1	.0064	.0010	.0545	.0441	1.235	7.106	1.673
#2	.0054	.0011	.0542	.0447	1.738	7.168	1.691
#3	.0048	.0022	.0526	.0433	1.340	7.098	1.686
#4	.0100	.0010	.0528	.0484	1.503	7.119	1.685
#5	.0054	-.0002	.0526	.0452	1.082	7.085	1.685

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V 2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.010	.0267	.7612	.0159	-.0226	.1931	.0032
SDev	.030	.0073	.0079	.0158	.0294	.0291	.0014
%RSD	.5051	27.20	1.040	99.33	129.9	15.08	44.63
#1	6.060	.0191	.7586	.0078	-.0425	.1774	.0018
#2	5.982	.0241	.7632	.0120	-.0100	.2348	.0046
#3	6.003	.0215	.7603	.0439	-.0441	.1888	.0018
#4	5.991	.0333	.7728	.0079	.0236	.2062	.0046
#5	6.016	.0354	.7510	.0078	-.0401	.1582	.0032

Elem	Zn2138
Units	ppm
Avge	1.250
SDev	.009
%RSD	.6899
#1	1.235
#2	1.257
#3	1.252
#4	1.255
#5	1.252

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9977	--	--	--	--	--	--

SDev	43.94512	--	--	--	--	--	--
%RSD	.4404537	--	--	--	--	--	--
#1	10019	--	--	--	--	--	--
#2	9908	--	--	--	--	--	--
#3	9998	--	--	--	--	--	--
#4	9961	--	--	--	--	--	--
#5	10000	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0820406A 25/50 Operator: DQ
Run Time: 08/15/95 12:35:27
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0501	-.0029	.4096	.0012	885.1	.0013
SDev	.0016	.0149	.0089	.0018	.0000	6.5	.0011
%RSD	170.5	29.77	304.2	.4503	.0000	.7320	89.12
#1	.0024	.0488	-.0167	.4128	.0012	876.9	.0021
#2	.0014	.0527	-.0052	.4086	.0012	884.6	.0000
#3	.0014	.0474	.0052	.4091	.0012	887.5	.0000
#4	-.0018	.0300	-.0020	.4082	.0012	882.3	.0021
#5	.0014	.0718	.0043	.4091	.0012	894.4	.0022

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	.0039	.0502	.0274	.7211	7.595	.5686
SDev	.0021	.0024	.0010	.0018	.2854	.013	.0029
%RSD	39.38	62.87	1.981	6.501	39.58	.1720	.5097
#1	.0022	.0046	.0509	.0243	.7633	7.593	.5646
#2	.0048	.0046	.0500	.0282	.7350	7.611	.5685
#3	.0074	.0046	.0491	.0283	.8731	7.598	.5687
#4	.0052	-.0004	.0515	.0279	.2436	7.575	.5684
#5	.0074	.0059	.0494	.0284	.9908	7.599	.5728

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.397	.0074	.1059	.0251	.0049	.1632	.0026
SDev	.018	.0084	.0204	.0120	.0149	.0106	.0016
%RSD	.5319	113.9	19.30	47.57	304.4	6.518	61.91
#1	3.422	.0096	.1102	.0234	.0041	.1750	.0031
#2	3.376	-.0030	.1013	.0315	.0186	.1482	.0032
#3	3.384	.0167	.1341	.0236	-.0159	.1573	.0018
#4	3.405	.0003	.0769	.0075	-.0021	.1658	.0003
#5	3.396	.0133	.1072	.0398	.0197	.1699	.0046

Elem	Zn2138
Units	ppm
Avge	.4013
SDev	.0026
%RSD	.6531

#1	.3987
#2	.4009
#3	.4014
#4	.3998
#5	.4056

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10082	--	--	--	--	--	--
SDev	62.92965	--	--	--	--	--	--
%RSD	.6241906	--	--	--	--	--	--
#1	10098	--	--	--	--	--	--
#2	10080	--	--	--	--	--	--
#3	10052	--	--	--	--	--	--
#4	10175	--	--	--	--	--	--
#5	10004	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 820406AS Operator: DQ
Run Time: 08/15/95 12:39:49
Comment: 6010
Mode: CONC Corr. Factor: 1

25/50

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9814	1.075	1.976	1.405	.9848	888.9	.9560
SDev	.0026	.009	.026	.005	.0009	4.7	.0071
%RSD	.2647	.8683	1.296	.3444	.0891	.5274	.7458
#1	.9776	1.068	1.987	1.411	.9850	882.3	.9567
#2	.9829	1.081	1.985	1.405	.9854	889.0	.9587
#3	.9830	1.064	1.934	1.406	.9848	888.5	.9452
#4	.9798	1.075	1.972	1.405	.9834	889.0	.9547
#5	.9837	1.087	2.001	1.397	.9857	895.6	.9647

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9255	.9486	1.058	.9634	10.96	17.55	1.506
SDev	.0039	.0079	.003	.0041	.20	.06	.006
%RSD	.4200	.8338	.2880	.4288	1.817	.3314	.4300
#1	.9208	.9430	1.061	.9678	11.04	17.45	1.499
#2	.9269	.9531	1.058	.9627	11.09	17.58	1.504
#3	.9249	.9439	1.058	.9674	10.72	17.60	1.504
#4	.9235	.9425	1.053	.9583	10.79	17.57	1.506
#5	.9312	.9604	1.058	.9609	11.18	17.57	1.517

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.70	.9158	1.023	1.987	2.064	1.986	.9273
SDev	.04	.0175	.013	.016	.017	.076	.0024
%RSD	.2727	1.912	1.297	.8017	.8402	3.825	.2620
#1	13.77	.9100	1.018	1.979	2.078	1.861	.9283

#2	13.70	.9322	1.030	2.002	2.047	1.987	.9304
#3	13.70	.9326	1.017	1.964	2.047	2.014	.9274
#4	13.69	.9138	1.007	2.001	2.061	2.004	.9238
#5	13.67	.8905	1.041	1.987	2.085	2.065	.9264

Elem	Zn2138
Units	ppm
Avge	1.331
SDev	.008
%RSD	.5660
#1	1.322
#2	1.329
#3	1.333
#4	1.330
#5	1.343

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10075	--	--	--	--	--	--
SDev	56.57447	--	--	--	--	--	--
%RSD	.5615064	--	--	--	--	--	--
#1	10046	--	--	--	--	--	--
#2	10069	--	--	--	--	--	--
#3	10101	--	--	--	--	--	
#4	10156	--	--	--	--	--	--
#5	10006	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 820406AK 3/15 Operator [illegible]
Run Time: 08/15/95 12:44:08
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9917	1.076	1.986	1.431	.9817	919.1	.9611
SDev	.0046	.020	.019	.006	.0008	6.7	.0123
%RSD	.4642	1.887	.9343	.4309	.0764	.7273	1.277
#1	.9838	1.045	1.962	1.440	.9818	909.0	.9437
#2	.9919	1.068	1.985	1.435	.9815	916.4	.9548
#3	.9928	1.092	2.009	1.427	.9808	922.2	.9662
#4	.9948	1.093	1.975	1.429	.9816	921.2	.9651
#5	.9950	1.084	1.999	1.425	.9829	926.5	.9758

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9286	.9475	1.069	.9666	10.81	17.92	1.529
SDev	.0049	.0086	.002	.0056	.26	.06	.008
%RSD	.5225	.9129	.1743	.5808	2.444	.3404	.5069
#1	.9205	.9357	1.072	.9570	10.44	17.91	1.521
#2	.9287	.9441	1.069	.9673	10.84	17.82	1.523

#3	.9290	.9479	1.068	.9714	11.06	17.96	1.531
#4	.9330	.9504	1.067	.9673	11.04	17.94	1.531
#5	.9315	.9594	1.068	.9698	10.64	17.97	1.540

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.90	.9243	1.028	1.995	2.056	2.051	.9293
SDev	.05	.0158	.015	.029	.047	.073	.0025
%RSD	.3822	1.713	1.451	1.443	2.269	3.578	.2735
#1	13.98	.9034	1.004	1.999	2.028	1.938	.9293
#2	13.89	.9320	1.035	1.956	2.042	2.043	.9278
#3	13.91	.9312	1.022	1.978	2.046	2.058	.9270
#4	13.87	.9126	1.035	2.012	2.027	2.073	.9287
#5	13.84	.9422	1.042	2.030	2.138	2.141	.9336

Elem	Zn2138
Units	ppm
Avge	1.351
SDev	.008
%RSD	.5756
#1	1.341
#2	1.345
#3	1.351
#4	1.356
#5	1.360

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9978	--	--	--	--	--	--
SDev	41.19761	--	--	--	--	--	--
%RSD	.4128844	--	--	--	--	--	--
#1	10005	--	--	--	--	--	--
#2	10021	--	--	--	--	--	--
#3	9969	--	--	--	--	--	--
#4	9981	--	--	--	--	--	--
#5	9914	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0811 Operator: DQ
Run Time: 08/15/95 12:48:30
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0572	-.0047	-.0002	-.0000	.0150	.0003
SDev	.0006	.0087	.0109	.0005	.0004	.0089	.0009
%RSD	127.8	15.23	233.7	257.7	1160.	59.24	263.8
#1	.0002	.0656	-.0071	.0003	.0006	.0302	-.0000
#2	.0002	.0457	-.0069	-.0001	-.0007	.0137	-.0001
#3	-.0009	.0663	-.0116	-.0001	-.0000	.0127	-.0001

#4	-.0009	.0553	.0143	-.0011	-.0000	.0070	-.0001
#5	-.0009	.0532	-.0120	-.0001	-.0000	.0114	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0001	.0002	.0030	.1042	.0100	-.0002
SDev	.0023	.0010	.0008	.0018	.2721	.0203	.0004
%RSD	342.6	1050.	429.5	59.40	261.2	202.6	190.3
#1	.0036	-.0017	.0013	.0040	.3907	.0201	-.0003
#2	-.0027	.0006	.0002	.0039	.1464	-.0190	.0002
#3	.0011	.0005	.0001	.0048	-.1098	.0311	.0002
#4	.0011	.0005	-.0009	.0011	-.2360	-.0022	-.0008
#5	.0002	.0006	.0002	.0011	.3295	.0200	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1618	-.0001	.0113	.0122	-.0165	.0630	.0011
SDev	.0153	.0051	.0104	.0122	.0276	.0214	.0007
%RSD	9.456	4874.	92.25	100.5	167.1	33.97	66.23
#1	H.1618	.0045	.0245	.0185	-.0099	.0946	.0003
#2	H.1850	-.0001	.0059	-.0084	-.0181	.0558	.0016
#3	H.1568	.0053	-.0031	.0220	-.0293	.0620	.0003
#4	H.1630	-.0035	.0141	.0180	.0248	.0672	.0016
#5	H.1425	-.0067	.0150	.0107	-.0500	.0354	.0016
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050
Elem	Zn2138						
Units	ppm						
Avge	H.0222						
SDev	.0008						
%RSD	3.547						
#1	H.0230						
#2	H.0217						
#3	H.0230						
#4	H.0221						
#5	H.0212						
Errors	LC High						
High	.0200						
Low	-.0200						

IntStd	1	2	3	4	5	6	7

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10523	--	--	--	--	--	--
SDev	71.30656	--	--	--	--	--	--
%RSD	.6776051	--	--	--	--	--	--
#1	10417	--	--	--	--	--	--
#2	10535	--	--	--	--	--	--
#3	10558	--	--	--	--	--	--
#4	10607	--	--	--	--	--	--
#5	10498	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK2811 Operator: DQ
Run Time: 08/15/95 12:52:49
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0198	-.0107	.0001	.0001	-.0164	.0016
SDev	.0012	.0144	.0141	.0006	.0003	.0013	.0009
%RSD	283.7	72.50	132.5	691.1	338.7	8.185	57.71
#1	.0013	.0349	.0075	.0010	.0006	-.0154	.0021
#2	-.0009	.0285	.0010	-.0001	-.0000	-.0164	.0019
#3	.0002	.0030	-.0185	-.0004	-.0000	-.0152	.0019
#4	-.0008	.0059	-.0178	-.0001	-.0000	-.0186	.0020
#5	-.0019	.0269	-.0256	-.0001	-.0000	-.0163	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0006	.0012	.0036	.0547	.0135	.0003
SDev	.0022	.0012	.0007	.0015	.2794	.0233	.0008
%RSD	2328.	191.3	55.70	40.93	510.7	172.8	287.7
#1	.0032	.0020	.0015	.0050	.5083	.0490	.0017
#2	-.0018	.0017	.0021	.0039	-.2382	.0199	.0001
#3	.0002	.0006	.0002	.0039	-.0400	.0088	-.0003
#4	-.0023	-.0005	.0012	.0039	.0911	-.0137	-.0003
#5	.0002	-.0006	.0012	.0011	-.0476	.0032	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1048	-.0002	.0066	.0108	-.0088	.0471	.0006
SDev	.0097	.0050	.0117	.0130	.0131	.0184	.0015
%RSD	9.232	2363.	178.3	120.3	148.6	38.99	256.0

#1	H.1180	.0071	.0172	.0151	-.0148	.0729	.0031
#2	H.1030	-.0024	.0099	.0181	.0073	.0296	-.0010
#3	H.1093	.0010	-.0116	-.0122	-.0043	.0343	.0003
#4	H.1019	-.0067	.0022	.0146	-.0276	.0596	.0003
#5	.0918	-.0000	.0153	.0184	-.0046	.0394	.0003

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.0221
SDev	.0014
%RSD	6.375

#1	H.0246
#2	H.0215
#3	H.0211
#4	H.0222
#5	H.0214

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10452	--	--	--	--	--	--
SDev	133.1095	--	--	--	--	--	--
%RSD	1.273561	--	--	--	--	--	--
#1	10238	--	--	--	--	--	--
#2	10590	--	--	--	--	--	--
#3	10530	--	--	--	--	--	--
#4	10442	--	--	--	--	--	--
#5	10459	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW1811 Operator: DQ
Run Time: 08/15/95 12:57:10
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.964	2.055	3.957	1.982	2.047	19.91	1.931
SDev	.005	.025	.039	.004	.003	.08	.008
%RSD	.2503	1.237	.9785	.2259	.1524	.3803	.4391
#1	1.956	2.054	4.013	1.989	2.049	19.78	1.921
#2	1.967	2.086	3.975	1.981	2.052	19.95	1.934
#3	1.965	2.031	3.921	1.979	2.045	19.94	1.924
#4	1.969	2.075	3.952	1.979	2.044	19.95	1.943
#5	1.963	2.030	3.922	1.980	2.048	19.94	1.932

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.949	1.998	1.988	1.971	19.44	19.99	1.962
SDev	.008	.006	.003	.005	.28	.06	.005
%RSD	.4037	.3077	.1532	.2764	1.466	.3112	.2510
#1	1.936	1.990	1.991	1.965	19.26	19.96	1.954
#2	1.953	2.006	1.985	1.970	19.63	20.06	1.966
#3	1.954	1.994	1.990	1.980	19.74	19.93	1.962
#4	1.948	2.001	1.989	1.969	19.52	19.95	1.966
#5	1.955	1.997	1.984	1.969	19.04	20.05	1.962
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.35	1.945	1.946	3.905	3.945	4.003	1.889
SDev	.05	.016	.026	.014	.050	.157	.010
%RSD	.2508	.8260	1.311	.3520	1.272	3.929	.5355
#1	19.42	1.943	1.925	3.922	3.922	3.747	1.880
#2	19.35	1.962	1.914	3.895	3.872	3.982	1.887
#3	19.35	1.962	1.974	3.918	3.961	4.075	1.904
#4	19.28	1.928	1.963	3.892	4.003	4.050	1.881
#5	19.33	1.933	1.953	3.900	3.969	4.163	1.895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600
Elem	Zn2138						
Units	ppm						
Avge	1.914						
SDev	.009						
%RSD	.4505						
#1	1.900						
#2	1.920						
#3	1.914						
#4	1.922						
#5	1.916						
Errors	LC Pass						
High	2.400						
Low	1.600						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--

Wavlen	371.030	--	--	--	--	--	--
Avge	10370	--	--	--	--	--	--
SDev	59.20937	--	--	--	--	--	--
%RSD	.5709656	--	--	--	--	--	--
#1	10304	--	--	--	--	--	--
#2	10313	--	--	--	--	--	--
#3	10417	--	--	--	--	--	--
#4	10384	--	--	--	--	--	--
#5	10433	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW2811 Operator: DQ
Run Time: 08/15/95 13:01:28
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.939	2.075	3.905	1.946	1.988	19.71	1.907
SDev	.003	.011	.028	.004	.002	.12	.011
%RSD	.1590	.5250	.7116	.1892	.1111	.6079	.5612
#1	1.940	2.072	3.937	1.946	1.991	19.74	1.912
#2	1.934	2.085	3.873	1.951	1.988	19.50	1.890
#3	1.942	2.072	3.929	1.943	1.987	19.81	1.905
#4	1.938	2.085	3.886	1.947	1.986	19.72	1.919
#5	1.940	2.059	3.898	1.942	1.987	19.78	1.910
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.926	1.970	1.948	1.954	19.05	19.71	1.935
SDev	.006	.010	.006	.008	.29	.10	.007
%RSD	.3205	.4878	.3021	.4002	1.520	.4952	.3489
#1	1.924	1.967	1.951	1.956	19.18	19.74	1.937
#2	1.917	1.954	1.957	1.942	18.87	19.66	1.925
#3	1.932	1.976	1.944	1.963	19.24	19.86	1.940
#4	1.923	1.975	1.943	1.952	18.63	19.60	1.931
#5	1.931	1.977	1.948	1.955	19.33	19.67	1.941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.16	1.927	1.922	3.851	3.896	3.975	1.868
SDev	.06	.014	.030	.024	.015	.111	.005
%RSD	.3137	.7467	1.549	.6346	.3722	2.782	.2786
#1	19.18	1.920	1.953	3.839	3.916	3.797	1.870
#2	19.26	1.920	1.878	3.816	3.900	3.971	1.859

#3	19.13	1.911	1.944	3.881	3.877	4.085	1.870
#4	19.12	1.938	1.911	3.860	3.890	3.976	1.873
#5	19.11	1.946	1.922	3.859	3.899	4.046	1.867
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.898
SDev	.008
%RSD	.4441
#1	1.902
#2	1.885
#3	1.906
#4	1.897
#5	1.903
Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10773	--	--	--	--	--	--
SDev	86.77990	--	--	--	--	--	--
%RSD	.8055673	--	--	--	--	--	--
#1	10641	--	--	--	--	--	--
#2	10862	--	--	--	--	--	--
#3	10734	--	--	--	--	--	--
#4	10821	--	--	--	--	--	--
#5	10804	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBX10809 Operator: DQ
Run Time: 08/15/95 13:05:48
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0386	-.0086	H.4778	.0003	H.1735	.0008
SDev	.0016	.0070	.0200	.0023	.0003	.0048	.0018
%RSD	892.1	18.23	231.7	.4772	105.6	2.753	230.6
#1	.0002	.0466	-.0305	H.4808	.0006	H.1705	-.0021
#2	.0002	.0374	-.0189	H.4797	.0006	H.1688	.0020
#3	.0013	.0346	-.0135	H.4764	.0006	H.1743	.0000
#4	.0002	.0448	.0221	H.4766	-.0001	H.1811	.0020
#5	-.0029	.0297	-.0023	H.4757	-.0000	H.1725	.0020
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass

High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0003	.0036	.0101	.5340	.0225	.0005
SDev	.0016	.0018	.0012	.0019	.1187	.0103	.0003
%RSD	159.9	717.9	33.16	18.24	22.24	45.74	57.13
#1	.0012	.0008	.0035	.0117	.5233	.0203	.0007
#2	-.0008	-.0005	.0024	.0088	.5613	.0373	.0007
#3	.0017	-.0004	.0026	.0090	.5864	.0204	.0007
#4	.0031	.0031	.0043	.0125	.6582	.0088	.0002
#5	-.0003	-.0017	.0052	.0086	.3407	.0257	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H916.0	.0017	.0272	.0235	.0026	H.1087	.0003
SDev	6.1	.0055	.0095	.0045	.0213	.0173	.0014
%RSD	.6668	319.1	34.97	19.09	834.4	15.92	420.7
#1	H922.9	.0081	.0170	.0268	.0345	H.1337	-.0010
#2	H920.0	.0001	.0342	.0187	-.0219	.0931	.0017
#3	H917.8	-.0019	.0179	.0271	.0109	H.1188	.0003
#4	H909.0	.0068	.0381	.0263	-.0062	H.1030	.0017
#5	H910.2	-.0045	.0285	.0184	-.0046	.0948	-.0010
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.1540
SDev	.0020
%RSD	1.270
#1	H.1518
#2	H.1526
#3	H.1536
#4	H.1566
#5	H.1553
Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10325	--	--	--	--	--	--

SDev	118.7860	--	--	--	--	--	--
%RSD	1.150501	--	--	--	--	--	--
#1	10262	--	--	--	--	--	--
#2	10340	--	--	--	--	--	--
#3	10160	--	--	--	--	--	--
#4	10394	--	--	--	--	--	--
#5	10468	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBX20809 Operator: DQ
Run Time: 08/15/95 13:10:04
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0519	-.0065	H.3098	-.0000	H.1487	.0015
SDev	.0013	.0084	.0123	.0005	.0000	.0058	.0009
%RSD	196.8	16.24	188.0	.1759	23.61	3.920	58.99
#1	-.0009	.0602	-.0223	H.3096	-.0000	H.1435	.0019
#2	.0001	.0535	-.0074	H.3098	-.0000	H.1423	.0019
#3	-.0029	.0492	-.0074	H.3102	-.0000	H.1506	.0019
#4	.0001	.0388	.0122	H.3105	-.0000	H.1566	-.0001
#5	.0002	.0576	-.0078	H.3091	-.0000	H.1503	.0019

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0002	.0026	.0077	.1658	.0221	.0000
SDev	.0017	.0010	.0023	.0017	.1885	.0083	.0006
%RSD	1444.	494.1	86.93	21.78	113.7	37.75	1284.
#1	-.0027	-.0018	-.0009	.0085	-.0483	.0144	.0006
#2	.0002	.0005	.0020	.0084	.1569	.0144	.0006
#3	.0011	.0004	.0039	.0047	.0553	.0308	-.0003
#4	-.0008	-.0007	.0030	.0084	.4515	.0309	-.0003
#5	.0016	.0006	.0051	.0085	.2136	.0200	-.0008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1.489	-.0005	.0034	.0127	-.0017	.0503	-.0008
SDev	.022	.0028	.0083	.0095	.0165	.0051	.0011
%RSD	1.505	598.0	240.8	74.47	942.6	10.05	143.3
#1	H1.508	-.0013	.0008	-.0009	.0012	.0493	-.0010
#2	H1.516	.0030	-.0037	.0067	-.0012	.0438	-.0010
#3	H1.472	.0008	-.0039	.0178	-.0234	.0568	-.0024
#4	H1.481	-.0046	.0094	.0217	-.0075	.0538	.0003

#5	H1.466	-.0001	.0146	.0182	.0222	.0480	.0003

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.1454
SDev	.0010
%RSD	.7069

#1	H.1442
#2	H.1446
#3	H.1454
#4	H.1469
#5	H.1457

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10634	--	--	--	--	--	--
SDev	53.10840	--	--	--	--	--	--
%RSD	.4994357	--	--	--	--	--	--
#1	10637	--	--	--	--	--	--
#2	10654	--	--	--	--	--	--
#3	10688	--	--	--	--	--	--
#4	10643	--	--	--	--	--	--
#5	10546	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0821101D 25/5E Operator: DQ
Run Time: 08/15/95 13:14:09
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0424	-.0086	.5560	.0007	408.8	.0021
SDev	.0020	.0098	.0111	.0025	.0003	1.9	.0014
%RSD	265.7	23.22	129.2	.4513	42.45	.4607	68.03
#1	-.0029	.0544	-.0078	.5580	.0012	408.5	.0001
#2	-.0029	.0291	-.0228	.5584	.0006	405.6	.0042
#3	.0003	.0380	-.0154	.5524	.0005	410.1	.0022
#4	.0003	.0493	-.0032	.5568	.0006	409.5	.0021
#5	.0014	.0412	.0061	.5545	.0006	410.2	.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0044	.0087	.0099	2.375	8.444	.0180

SDev	.0015	.0011	.0026	.0017	.537	.041	.0004
%RSD	793.1	24.68	29.54	17.49	22.60	.4818	2.085
#1	-.0023	.0035	.0080	.0117	2.184	8.470	.0176
#2	.0002	.0033	.0046	.0085	1.569	8.378	.0176
#3	.0018	.0060	.0112	.0117	2.451	8.454	.0181
#4	-.0003	.0046	.0099	.0086	2.704	8.437	.0183
#5	-.0003	.0047	.0099	.0087	2.968	8.482	.0184

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	743.4	.0037	.0236	.0108	-.0091	.1442	.0009
SDev	1.5	.0048	.0131	.0116	.0167	.0141	.0019
%RSD	.2074	128.4	55.34	106.9	183.5	9.809	203.4
#1	745.5	-.0029	.0245	.0198	-.0085	.1434	.0018
#2	744.0	.0071	.0176	.0113	.0149	.1236	-.0010
#3	743.6	.0053	.0337	.0238	-.0044	.1585	-.0010
#4	741.9	.0005	.0048	-.0044	-.0302	.1392	.0031
#5	741.9	.0086	.0374	.0036	-.0172	.1564	.0018

Elem	Zn2138
Units	ppm
Avge	.2586
SDev	.0021
%RSD	.7987
#1	.2604
#2	.2565
#3	.2610
#4	.2567
#5	.2586

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10047	--	--	--	--	--	--
SDev	100.1839	--	--	--	--	--	--
%RSD	.9971721	--	--	--	--	--	--
#1	9953	--	--	--	--	--	--
#2	10196	--	--	--	--	--	--
#3	9959	--	--	--	--	--	--
#4	10084	--	--	--	--	--	--
#5	10043	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821101DS Operator: DQ
Run Time: 08/15/95 13:18:11
Comment: 6010
Mode: CONC Corr. Factor: 1

8/15/95

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9921	1.083	2.013	1.554	.9812	420.0	.9790
SDev	.0026	.006	.024	.005	.0017	2.7	.0108

%RSD	.2632	.5568	1.193	.3232	.1714	.6406	1.107
#1	.9913	1.081	1.986	1.561	.9831	416.8	.9628
#2	.9930	1.078	2.030	1.551	.9805	421.3	.9824
#3	.9911	1.091	2.045	1.554	.9809	419.8	.9783
#4	.9892	1.086	1.997	1.555	.9790	418.4	.9785
#5	.9961	1.077	2.007	1.548	.9828	423.8	.9929

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9371	.9669	1.018	.9616	13.74	18.55	.9719
SDev	.0059	.0066	.002	.0039	.26	.04	.0046
%RSD	.6274	.6794	.2276	.4058	1.884	.2171	.4683
#1	.9278	.9582	1.020	.9614	13.83	18.53	.9689
#2	.9411	.9660	1.021	.9566	14.14	18.59	.9746
#3	.9362	.9697	1.015	.9594	13.50	18.58	.9699
#4	.9375	.9644	1.017	.9639	13.53	18.49	.9674
#5	.9430	.9759	1.018	.9667	13.67	18.56	.9784

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	759.7	.9392	.9681	2.005	2.081	2.013	.9329
SDev	2.1	.0128	.0160	.022	.032	.106	.0032
%RSD	.2820	1.363	1.658	1.089	1.527	5.262	.3393
#1	763.3	.9219	.9537	1.990	2.082	1.826	.9338
#2	759.0	.9539	.9726	2.008	2.029	2.060	.9299
#3	759.0	.9340	.9660	1.988	2.109	2.075	.9339
#4	759.6	.9367	.9552	1.999	2.078	2.034	.9296
#5	757.5	.9495	.9932	2.041	2.105	2.071	.9372

Elem	Zn2138
Units	ppm
Avge	1.212
SDev	.007
%RSD	.5942
#1	1.204
#2	1.211
#3	1.212
#4	1.207
#5	1.223

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10051	--	--	--	--	--	--
SDev	88.78479	--	--	--	--	--	--
%RSD	.8833323	--	--	--	--	--	--
#1	10092	--	--	--	--	--	--
#2	9999	--	--	--	--	--	--
#3	10062	--	--	--	--	--	--
#4	10168	--	--	--	--	--	--

#5	9935	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821101DK Operator: DQ
Run Time: 08/15/95 13:22:14
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9725	1.056	1.984	1.511	.9846	401.6	.9590
SDev	.0055	.013	.023	.003	.0014	1.6	.0070
%RSD	.5612	1.221	1.152	.1738	.1378	.3908	.7296
#1	.9777	1.072	2.019	1.512	.9851	402.1	.9685
#2	.9671	1.050	1.985	1.513	.9824	399.1	.9506
#3	.9791	1.066	1.957	1.507	.9853	403.3	.9602
#4	.9692	1.042	1.972	1.511	.9842	401.1	.9619
#5	.9695	1.048	1.988	1.513	.9859	402.1	.9540

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9248	.9500	1.000	.9479	13.62	18.00	.9552
SDev	.0053	.0070	.004	.0047	.51	.04	.0034
%RSD	.5707	.7396	.3886	.4980	3.737	.2022	.3562
#1	.9316	.9548	1.005	.9503	14.31	18.04	.9572
#2	.9221	.9410	.9989	.9440	13.23	17.95	.9507
#3	.9293	.9590	1.004	.9550	13.97	18.04	.9592
#4	.9195	.9487	.9986	.9446	13.52	18.00	.9561
#5	.9218	.9468	.9954	.9454	13.09	17.98	.9527

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	725.2	.9250	.9464	1.954	2.048	2.019	.9188
SDev	.7	.0131	.0231	.021	.039	.078	.0032
%RSD	.1016	1.418	2.435	1.077	1.901	3.855	.3471
#1	725.6	.9394	.9687	1.972	2.091	1.895	.9188
#2	725.8	.9159	.9313	1.974	2.012	2.001	.9148
#3	724.5	.9242	.9691	1.959	2.088	2.100	.9237
#4	724.4	.9368	.9462	1.940	2.030	2.050	.9186
#5	725.9	.9089	.9166	1.925	2.016	2.050	.9181

Elem	Zn2138
Units	ppm
Avge	1.195
SDev	.006
%RSD	.5012
#1	1.202
#2	1.188
#3	1.201
#4	1.192
#5	1.194

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10040	--	--	--	--	--	--
SDev	132.3392	--	--	--	--	--	--
%RSD	1.318167	--	--	--	--	--	--
#1	9859	--	--	--	--	--	--
#2	10133	--	--	--	--	--	--
#3	9944	--	--	--	--	--	--
#4	10167	--	--	--	--	--	--
#5	10097	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0817701B Operator: DQ
Run Time: 08/15/95 13:26:17
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0904	-.0186	.6798	.0009	242.4	.0500
SDev	.0006	.0138	.0146	.0021	.0004	1.7	.0019
%RSD	187.3	15.24	78.52	.3092	38.13	.7133	3.719
#1	.0007	.0861	-.0106	.6834	.0012	239.5	.0506
#2	.0007	.0724	-.0301	.6786	.0012	241.9	.0467
#3	.0008	.1059	-.0298	.6782	.0005	243.2	.0511
#4	-.0003	.0852	-.0257	.6796	.0005	243.8	.0509
#5	-.0003	.1026	.0033	.6792	.0012	243.3	.0507

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0587	.0042	.0031	12.08	6.157	8.230	1.375
SDev	.0012	.0027	.0006	.04	.253	.048	.006
%RSD	2.118	63.90	18.55	.3056	4.111	.5834	.4690
#1	.0584	.0071	.0035	12.03	6.093	8.183	1.366
#2	.0582	-.0002	.0035	12.05	6.324	8.210	1.372
#3	.0609	.0048	.0036	12.12	6.485	8.304	1.378
#4	.0582	.0047	.0025	12.08	6.050	8.250	1.382
#5	.0579	.0047	.0025	12.10	5.833	8.202	1.379

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	735.2	.0598	.6599	.0150	.0072	.1591	-.0014
SDev	2.1	.0106	.0093	.0093	.0067	.0145	.0012
%RSD	.2805	17.78	1.416	61.74	93.19	9.122	85.98
#1	738.3	.0641	.6505	.0189	.0018	.1807	-.0002
#2	735.0	.0506	.6545	.0229	-.0011	.1612	-.0017
#3	735.0	.0764	.6751	.0070	.0134	.1546	-.0031
#4	732.5	.0552	.6590	.0230	.0082	.1583	-.0002
#5	735.1	.0526	.6604	.0032	.0137	.1404	-.0016

Elem	Zn2138

Units	ppm
Avge	11.19
SDev	.07
%RSD	.6508
#1	11.07
#2	11.17
#3	11.24
#4	11.24
#5	11.23

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10004	--	--	--	--	--	--
SDev	34.56366	--	--	--	--	--	--
%RSD	.3454874	--	--	--	--	--	--
#1	10045	--	--	--	--	--	--
#2	9989	--	--	--	--	--	--
#3	9962	--	--	--	--	--	--
#4	9991	--	--	--	--	--	--
#5	10035	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0821701A Operator: DQ
Run Time: 08/15/95 13:30:19
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0306	.0059	.4157	.0006	623.4	.0020
SDev	.0029	.0154	.0225	.0013	.0004	2.3	.0000
%RSD	325.8	50.18	383.4	.3176	78.30	.3686	1.598
#1	.0024	.0303	.0011	.4169	.0006	624.0	.0021
#2	-.0008	.0107	.0034	.4157	-.0001	620.3	.0020
#3	-.0029	.0219	-.0273	.4171	.0006	622.4	.0020
#4	.0045	.0500	.0200	.4147	.0006	626.6	.0021
#5	.0013	.0402	.0323	.4141	.0012	623.7	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0325	.0728	.0073	1.802	3.661	.0528
SDev	.0015	.0016	.0004	.0033	.454	.053	.0005
%RSD	36.86	4.992	.5578	45.41	25.19	1.446	.9996
#1	.0052	.0348	.0729	.0059	2.236	3.635	.0533
#2	.0041	.0304	.0723	.0047	1.237	3.604	.0532
#3	.0017	.0318	.0727	.0048	1.454	3.674	.0521
#4	.0042	.0322	.0734	.0125	2.242	3.744	.0530
#5	.0056	.0330	.0726	.0086	1.839	3.647	.0525

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	3.779	.0067	.0221	.0243	.0004	.1373	.0061
SDev	.018	.0024	.0107	.0119	.0139	.0107	.0006
%RSD	.4674	36.20	48.30	48.79	3138.	7.791	10.47
#1	3.800	.0038	.0178	.0113	-.0112	.1396	.0059
#2	3.765	.0101	.0205	.0148	.0052	.1420	.0057
#3	3.796	.0058	.0075	.0226	.0063	.1396	.0058
#4	3.771	.0059	.0307	.0347	-.0160	.1188	.0072
#5	3.763	.0080	.0343	.0381	.0179	.1464	.0058

Elem	Zn2138
Units	ppm
Avge	.0428
SDev	.0011
%RSD	2.676
#1	.0433
#2	.0426
#3	.0409
#4	.0435
#5	.0436

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10293	--	--	--	--	--	--
SDev	81.38185	--	--	--	--	--	--
%RSD	.7906647	--	--	--	--	--	--
#1	10178	--	--	--	--	--	--
#2	10380	--	--	--	--	--	--
#3	10327	--	--	--	--	--	--
#4	10242	--	--	--	--	--	--
#5	10337	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821701AS Operator: DQ
Run Time: 08/15/95 13:34:22
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9701	1.838	1.973	1.421	.9992	638.8	.9469
SDev	.0048	.009	.031	.009	.0065	7.3	.0120
%RSD	.4960	.4724	1.567	.6010	.6543	1.135	1.270
#1	.9636	1.839	1.932	1.434	.9934	628.6	.9271
#2	.9687	1.852	1.984	1.424	.9909	634.0	.9448
#3	.9762	1.830	2.014	1.415	1.004	641.8	.9574
#4	.9732	1.834	1.956	1.414	1.004	645.6	.9514
#5	.9686	1.834	1.981	1.415	1.004	644.1	.9541

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9247	.9782	1.082	.9514	11.67	13.69	.9927

SDev	.0102	.0082	.003	.0062	.39	.06	.0056
%RSD	1.102	.8390	.3085	.6475	3.320	.4327	.5611
#1	.9141	.9675	1.087	.9483	11.41	13.66	.9860
#2	.9134	.9729	1.081	.9438	11.63	13.60	.9879
#3	.9302	.9875	1.083	.9501	12.12	13.73	.9946
#4	.9303	.9845	1.078	.9549	12.00	13.69	.9994
#5	.9354	.9788	1.081	.9598	11.19	13.75	.9955

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.97	.9159	.9338	1.959	2.005	1.962	.9270
SDev	.08	.0129	.0351	.017	.019	.071	.0038
%RSD	.5915	1.414	3.761	.8829	.9435	3.638	.4055
#1	14.09	.8973	.8979	1.947	2.016	1.858	.9268
#2	14.00	.9173	.9289	1.967	2.002	1.941	.9215
#3	13.92	.9150	.9884	1.978	1.987	2.020	.9287
#4	13.88	.9338	.9433	1.966	1.990	2.038	.9318
#5	13.94	.9159	.9104	1.935	2.033	1.954	.9264

Elem	Zn2138
Units	ppm
Avge	.9835
SDev	.0096
%RSD	.9798
#1	.9694
#2	.9781
#3	.9888
#4	.9932
#5	.9880

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10175	--	--	--	--	--	--
SDev	99.47414	--	--	--	--	--	--
%RSD	.9776443	--	--	--	--	--	--
#1	10047	--	--	--	--	--	--
#2	10105	--	--	--	--	--	--
#3	10193	--	--	--	--	--	--
#4	10235	--	--	--	--	--	--
#5	10295	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 821701AK Operator: DQ
Run Time: 08/15/95 13:38:25
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9893	1.077	1.994	1.426	.9960	636.3	.9550
SDev	.0070	.017	.033	.005	.0023	4.8	.0097

%RSD	.7068	1.613	1.675	.3713	.2331	.7572	1.013
#1	.9872	1.078	1.991	1.431	.9959	630.0	.9481
#2	.9813	1.048	2.030	1.429	.9942	633.5	.9426
#3	.9956	1.081	2.010	1.422	.9967	641.1	.9628
#4	.9975	1.085	1.940	1.419	.9938	640.9	.9656
#5	.9849	1.093	1.997	1.428	.9996	635.8	.9557

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9328	.9870	1.091	.9553	11.72	13.79	1.001
SDev	.0054	.0066	.004	.0033	.47	.06	.005
%RSD	.5763	.6668	.3929	.3442	3.986	.4411	.4899
#1	.9258	.9810	1.097	.9532	11.76	13.82	.9960
#2	.9310	.9855	1.091	.9551	11.32	13.77	.9991
#3	.9354	.9917	1.090	.9591	12.29	13.75	1.006
#4	.9402	.9959	1.085	.9580	12.03	13.88	1.007
#5	.9315	.9811	1.091	.9512	11.19	13.72	.9986

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.03	.9264	.9365	2.000	2.037	2.038	.9345
SDev	.06	.0085	.0219	.015	.040	.052	.0045
%RSD	.4014	.9145	2.335	.7438	1.961	2.570	.4850
#1	14.12	.9411	.9122	1.999	1.997	1.967	.9324
#2	14.04	.9245	.9159	2.002	2.049	2.009	.9326
#3	13.97	.9234	.9604	2.007	1.993	2.071	.9385
#4	14.00	.9239	.9542	1.977	2.075	2.101	.9399
#5	14.01	.9192	.9395	2.017	2.073	2.044	.9292

Elem	Zn2138
Units	ppm
Avge	.9797
SDev	.0065
%RSD	.6619
#1	.9723
#2	.9751
#3	.9867
#4	.9861
#5	.9784

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10091	--	--	--	--	--	--
SDev	98.48254	--	--	--	--	--	--
%RSD	.9759558	--	--	--	--	--	--
#1	10047	--	--	--	--	--	--
#2	10151	--	--	--	--	--	--
#3	10026	--	--	--	--	--	--
#4	9997	--	--	--	--	--	--

#5 10233 -- -- -- -- -- --

Method: 1995_3PT Sample Name: CCV30815 Operator: DQ
Run Time: 08/15/95 13:42:42
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	4.868	5.055	4.826	5.032	5.081	5.010
SDev	.005	.013	.030	.007	.003	.027	.023
%RSD	.4820	.2774	.6018	.1385	.0691	.5277	.4627
#1	1.007	4.845	5.045	4.826	5.029	5.104	4.999
#2	.9969	4.872	5.049	4.836	5.031	5.051	4.995
#3	.9989	4.881	5.018	4.827	5.029	5.065	4.987
#4	1.008	4.872	5.101	4.818	5.032	5.114	5.041
#5	1.003	4.872	5.061	4.824	5.037	5.070	5.028
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.970	5.023	4.913	4.933	23.60	4.925	4.937
SDev	.013	.016	.008	.015	.64	.020	.009
%RSD	.2695	.3125	.1633	.2961	2.724	.4051	.1821
#1	4.980	5.022	4.909	4.930	23.87	4.898	4.942
#2	4.954	5.004	4.918	4.915	Q22.48	4.938	4.925
#3	4.957	5.014	4.915	4.924	23.96	4.919	4.931
#4	4.981	5.043	4.901	4.948	24.05	4.950	4.945
#5	4.977	5.035	4.921	4.947	23.64	4.918	4.944
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.720	5.002	5.055	4.949	5.032	5.159	4.971
SDev	.016	.020	.030	.035	.047	.034	.006
%RSD	.3344	.3911	.5909	.7133	.9300	.6678	.1120
#1	4.729	5.029	5.047	4.941	5.065	5.152	4.975
#2	4.700	4.989	5.017	4.930	5.040	5.106	4.962
#3	4.741	5.001	5.044	4.906	5.065	5.166	4.975
#4	4.720	5.013	5.095	4.998	5.039	5.171	4.970
#5	4.713	4.979	5.073	4.967	4.952	5.200	4.975
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138

Units	ppm
Avge	5.006
SDev	.021
%RSD	.4201
#1	5.017
#2	4.976
#3	4.992
#4	5.025
#5	5.020
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11136	--	--	--	--	--	--
SDev	121.0193	--	--	--	--	--	--
%RSD	1.086771	--	--	--	--	--	--
#1	11251	--	--	--	--	--	--
#2	11244	--	--	--	--	--	--
#3	11168	--	--	--	--	--	--
#4	11002	--	--	--	--	--	--
#5	11014	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB30815 Operator: DQ
Run Time: 08/15/95 13:46:50
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0037	-.0021	.0005	-.0004	-.0173	.0014
SDev	.0016	.0116	.0161	.0004	.0003	.0052	.0021
%RSD	806.5	311.3	761.0	96.10	59.08	30.22	153.9
#1	.0000	.0066	-.0115	.0003	-.0006	-.0114	-.0021
#2	-.0010	-.0102	-.0047	.0003	-.0006	-.0204	.0017
#3	-.0010	.0030	.0239	.0003	-.0006	-.0241	.0017
#4	-.0000	-.0211	-.0182	.0003	-.0006	-.0174	.0017
#5	.0029	.0029	.0000	.0013	.0000	-.0130	.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0014	.0015	.0009	.0477	.0141	.0006
SDev	.0015	.0013	.0011	.0000	.2717	.0202	.0005
%RSD	175.2	89.16	75.39	.9690	569.7	142.6	79.81

#1	.0006	-.0010	.0016	.0009	.0973	-.0071	.0005
#2	.0015	.0001	.0015	.0009	.0914	-.0017	.0009
#3	.0006	-.0021	.0006	.0009	.0173	.0353	.0013
#4	-.0013	-.0032	.0006	.0009	-.3632	.0088	.0000
#5	.0029	-.0010	.0034	.0009	.3957	.0353	.0005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0477	-.0014	.0002	.0190	.0129	.0273	.0015
SDev	.0048	.0064	.0129	.0094	.0187	.0154	.0013
%RSD	10.04	440.3	6280.	49.27	145.2	56.56	84.95

#1	.0502	-.0060	.0146	.0133	.0185	.0446	.0002
#2	.0498	.0012	-.0109	.0275	.0163	.0099	.0002
#3	.0483	-.0050	.0103	.0060	.0209	.0391	.0028
#4	.0393	.0086	-.0149	.0276	-.0196	.0130	.0015
#5	.0509	-.0060	.0019	.0205	.0281	.0298	.0028

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0018
SDev	.0009
%RSD	49.84

#1	.0023
#2	.0021
#3	.0029
#4	.0008
#5	.0009

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NCTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11106	--	--	--	--	--	--
SDev	28.72114	--	--	--	--	--	--
%RSD	.2586111	--	--	--	--	--	--

#1	11071	--	--	--	--	--	--
#2	11146	--	--	--	--	--	--
#3	11093	--	--	--	--	--	--
#4	11123	--	--	--	--	--	--
#5	11097	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836013A Operator: DQ
Run Time: 08/15/95 13:51:12
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0442	-.0047	.0006	.0004	.2244	.0016
SDev	.0019	.0099	.0232	.0003	.0005	.0054	.0017
%RSD	408.1	22.29	495.3	51.73	121.5	2.396	105.5
#1	.0003	.0525	.0242	.0003	.0012	.2233	.0021
#2	-.0019	.0556	-.0360	.0007	.0006	.2164	-.0000
#3	.0003	.0415	-.0142	.0003	.0006	.2235	.0041
#4	.0034	.0404	.0107	.0010	-.0001	.2300	.0021
#5	.0002	.0312	-.0080	.0007	-.0001	.2287	-.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0002	.0029	.0100	.1845	.0616	.0004
SDev	.0015	.0014	.0016	.0016	.2647	.0170	.0003
%RSD	373.7	785.4	55.11	16.15	143.5	27.57	61.77
#1	.0022	.0021	.0036	.0128	.4712	.0665	.0003
#2	-.0013	-.0017	.0003	.0097	-.1875	.0486	.0002
#3	.0017	-.0004	.0025	.0089	.0224	.0548	.0007
#4	.0002	-.0004	.0045	.0098	.3458	.0891	.0007
#5	-.0008	-.0004	.0035	.0089	.2704	.0490	.0002

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6499	-.0018	.0152	.0229	.0174	.0672	.0012
SDev	.0119	.0078	.0099	.0197	.0036	.0190	.0019
%RSD	1.825	435.6	65.04	86.25	20.88	28.35	160.1
#1	.6609	-.0042	.0086	.0074	.0136	.0948	.0045
#2	.6536	-.0033	.0296	.0110	.0167	.0483	.0003
#3	.6437	.0105	.0083	.0112	.0150	.0783	.0003
#4	.6589	-.0009	.0216	.0541	.0229	.0596	.0003
#5	.6323	-.0111	.0081	.0307	.0190	.0549	.0003

Elem	Zn2138
Units	ppm
Avge	.0312
SDev	.0010
%RSD	3.364
#1	.0327
#2	.0318
#3	.0303
#4	.0309
#5	.0302

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10256	--	--	--	--	--	--
SDev	60.45296	--	--	--	--	--	--
%RSD	.5894308	--	--	--	--	--	--
#1	10190	--	--	--	--	--	--
#2	10353	--	--	--	--	--	--
#3	10228	--	--	--	--	--	--
#4	10258	--	--	--	--	--	--
#5	10252	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 836013AS Operator: DQ
Run Time: 08/15/95 13:55:14
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9528	1.001	1.889	.9764	.9713	9.833	.9294
SDev	.0051	.017	.034	.0015	.0016	.052	.0113
%RSD	.5353	1.682	1.779	.1586	.1630	.5286	1.219
#1	.9528	.9757	1.850	.9785	.9720	9.758	.9095
#2	.9501	1.013	1.870	.9774	.9704	9.801	.9369
#3	.9607	.9928	1.939	.9747	.9737	9.866	.9349
#4	.9533	1.009	1.898	.9753	.9709	9.886	.9349
#5	.9469	1.016	1.885	.9761	.9697	9.853	.9307

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9491	.9697	.9738	.9674	9.380	9.751	.9591
SDev	.0037	.0032	.0024	.0028	.278	.038	.0028
%RSD	.3894	.3294	.2417	.2855	2.961	.3863	.2894
#1	.9457	.9655	.9756	.9638	9.332	9.735	.9547
#2	.9458	.9730	.9727	.9680	9.281	9.746	.9582
#3	.9539	.9693	.9757	.9694	9.295	9.750	.9611
#4	.9520	.9726	.9750	.9704	9.859	9.812	.9610
#5	.9484	.9678	.9702	.9654	9.134	9.711	.9607

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.977	.9418	.9346	1.892	1.898	1.967	.9242
SDev	.038	.0137	.0209	.017	.008	.070	.0022
%RSD	.3853	1.457	2.237	.9146	.4305	3.550	.2339
#1	10.03	.9570	.9344	1.895	1.910	1.868	.9217
#2	10.00	.9216	.9017	1.870	1.894	1.927	.9230
#3	9.963	.9375	.9373	1.884	1.891	2.047	.9257
#4	9.964	.9516	.9598	1.917	1.903	1.994	.9271
#5	9.928	.9411	.9396	1.893	1.893	1.997	.9237

Elem	Zn2138
Units	ppm
Avge	.9193

SDev	.0066
%RSD	.7231
#1	.9123
#2	.9119
#3	.9258
#4	.9231
#5	.9232

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10330	--	--	--	--	--	--
SDev	106.6084	--	--	--	--	--	--
%RSD	1.031987	--	--	--	--	--	--
#1	10194	--	--	--	--	--	--
#2	10393	--	--	--	--	--	--
#3	10256	--	--	--	--	--	--
#4	10347	--	--	--	--	--	--
#5	10461	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 836013AK Operator: DQ
Run Time: 08/15/95 13:59:17
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9570	1.041	1.908	.9775	.9858	9.981	.9361
SDev	.0025	.009	.026	.0013	.0026	.033	.0036
%RSD	.2644	.8227	1.359	.1338	.2677	.3328	.3796
#1	.9584	1.043	1.939	.9791	.9832	9.954	.9347
#2	.9541	1.054	1.904	.9776	.9870	9.965	.9316
#3	.9591	1.032	1.882	.9767	.9881	9.988	.9355
#4	.9545	1.041	1.930	.9781	.9880	9.963	.9412
#5	.9591	1.035	1.884	.9757	.9827	10.04	.9375

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9582	.9813	.9717	.9759	9.428	9.792	.9679
SDev	.0057	.0054	.0019	.0057	.341	.048	.0027
%RSD	.5940	.5494	.1957	.5877	3.621	.4910	.2745
#1	.9550	.9755	.9728	.9747	9.074	9.720	.9659
#2	.9506	.9775	.9716	.9680	9.127	9.801	.9656
#3	.9603	.9821	.9714	.9754	9.664	9.793	.9691
#4	.9592	.9819	.9688	.9775	9.407	9.790	.9670
#5	.9657	.9895	.9739	.9839	9.868	9.856	.9720

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.03	.9601	.9593	1.918	1.915	1.990	.9308
SDev	.02	.0139	.0110	.021	.030	.036	.0026

%RSD	.1586	1.449	1.148	1.071	1.568	1.796	.2819
#1	10.03	.9630	.9665	1.900	1.902	1.941	.9331
#2	10.02	.9404	.9561	1.915	1.901	1.990	.9279
#3	10.05	.9749	.9604	1.922	1.880	1.975	.9332
#4	10.01	.9522	.9710	1.902	1.950	2.010	.9280
#5	10.03	.9700	.9424	1.950	1.942	2.035	.9318

Elem	Zn2138
Units	ppm
Avge	.9519
SDev	.0055
%RSD	.5817
#1	.9513
#2	.9465
#3	.9512
#4	.9494
#5	.9612

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10334	--	--	--	--	--	--
SDev	91.21548	--	--	--	--	--	--
%RSD	.8827042	--	--	--	--	--	--
#1	10191	--	--	--	--	--	--
#2	10384	--	--	--	--	--	--
#3	10386	--	--	--	--	--	--
#4	10413	--	--	--	--	--	--
#5	10296	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0827101C Operator: DQ
Run Time: 08/15/95 14:03:20
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0404	-.0159	1.129	.0007	259.1	-.0008
SDev	.0010	.0108	.0117	.003	.0003	1.5	.0024
%RSD	126.5	26.62	73.15	.2275	43.21	.5602	305.4
#1	.0025	.0433	-.0026	1.132	.0012	257.3	.0022
#2	.0003	.0317	-.0132	1.129	.0005	258.2	-.0042
#3	.0003	.0309	-.0205	1.128	.0006	258.9	.0000
#4	.0003	.0389	-.0334	1.130	.0005	260.1	-.0021
#5	.0004	.0573	-.0100	1.125	.0005	260.9	.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0028	.0053	-.0014	2.992	112.1	.1231
SDev	.0019	.0026	.0022	.0019	.267	.3	.0004
%RSD	85.92	92.40	40.59	136.3	8.911	.2973	.3364

#1	.0008	.0048	.0060	-.0006	3.241	111.6	.1228
#2	.0013	.0022	.0017	-.0006	3.587	112.0	.1236
#3	.0023	.0047	.0069	-.0046	3.863	112.3	.1229
#4	.0013	.0035	.0070	-.0016	3.123	112.1	.1234
#5	.0054	-.0014	.0050	.0004	3.148	112.5	.1226

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	355.4	.0142	.0105	.0149	-.0081	.2493	.0026
SDev	.8	.0083	.0160	.0095	.0251	.0190	.0019
%RSD	.2330	58.36	152.9	64.21	310.6	7.625	72.24

#1	356.6	.0229	.0106	.0077	-.0005	.2628	.0018
#2	355.9	.0145	.0056	.0156	-.0242	.2735	.0004
#3	355.2	.0052	-.0131	.0196	-.0215	.2437	.0018
#4	355.0	.0064	.0197	.0278	-.0270	.2418	.0046
#5	354.5	.0218	.0295	.0037	.0328	.2250	.0046

Elem	Zn2138
Units	ppm
Avge	.0468
SDev	.0014
%RSD	2.894

#1	.0450
#2	.0484
#3	.0461
#4	.0478
#5	.0467

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9962	--	--	--	--	--	--
SDev	37.53551	--	--	--	--	--	--
%RSD	.3767870	--	--	--	--	--	--

#1	9938	--	--	--	--	--	--
#2	9987	--	--	--	--	--	--
#3	10005	--	--	--	--	--	--
#4	9968.	--	--	--	--	--	--
#5	9912	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0827105C Operator: DQ
Run Time: 08/15/95 14:07:25
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0336	.0027	.3411	.0013	298.1	.0019
SDev	.0011	.0171	.0181	.0024	.0003	1.4	.0042
%RSD	204.8	50.77	663.7	.7055	22.70	.4859	224.7

#1	-.0016	.0147	.0164	.3409	.0019	295.8	.0067
#2	.0006	.0447	-.0162	.3376	.0012	298.5	.0045
#3	-.0017	.0470	-.0135	.3444	.0012	297.8	-.0042
#4	-.0005	.0152	.0253	.3410	.0012	298.7	.0001
#5	.0005	.0467	.0017	.3414	.0012	299.7	.0023

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0015	.0080	.4550	3.735	155.8	.4758
SDev	.0018	.0014	.0005	.0019	.311	.2	.0017
%RSD	31.97	92.62	6.732	.4267	8.331	.1021	.3496

#1	.0029	.0039	.0076	.4521	3.822	155.5	.4728
#2	.0051	.0013	.0076	.4569	4.162	155.9	.4761
#3	.0055	.0012	.0074	.4549	3.295	155.8	.4768
#4	.0077	.0000	.0086	.4567	3.722	155.9	.4766
#5	.0066	.0012	.0085	.4546	3.674	155.9	.4765

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	725.0	.0090	.0139	.0111	-.0040	.2796	.0013
SDev	1.9	.0108	.0089	.0194	.0306	.0125	.0013
%RSD	.2559	120.2	63.86	175.2	768.0	4.476	99.34

#1	728.0	.0156	.0135	-.0147	-.0528	.2858	.0005
#2	723.7	.0156	.0230	.0312	.0052	.2873	.0034
#3	725.1	.0141	.0029	-.0022	-.0026	.2672	.0004
#4	725.0	-.0098	.0224	.0268	.0315	.2652	.0004
#5	723.3	.0093	.0076	.0142	-.0012	.2925	.0019

Elem	Zn2138
Units	ppm
Avge	.0455
SDev	.0008
%RSD	1.722

#1	.0447
#2	.0462
#3	.0449
#4	.0451
#5	.0464

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9677	--	--	--	--	--	--
SDev	56.18359	--	--	--	--	--	--
%RSD	.5805649	--	--	--	--	--	--

#1	9616	--	--	--	--	--	--
#2	9621	--	--	--	--	--	--
#3	9726	--	--	--	--	--	--
#4	9690	--	--	--	--	--	--
#5	9733	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0827106C Operator: DQ
Run Time: 08/15/95 14:11:32
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0054	-.0118	.3293	.0007	403.3	.0001
SDev	.0009	.0134	.0157	.0022	.0003	1.6	.0026
%RSD	164.2	249.3	132.4	.6715	43.37	.4006	4082.
#1	-.0007	.0070	-.0021	.3328	.0005	401.1	.0022
#2	.0015	.0143	-.0204	.3267	.0005	404.4	.0022
#3	.0014	.0211	-.0263	.3290	.0012	404.6	.0001
#4	.0003	-.0123	-.0212	.3285	.0005	404.3	-.0042
#5	.0003	-.0033	.0109	.3296	.0006	402.0	.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0023	.0030	-.0090	2.412	192.3	.6473
SDev	.0023	.0027	.0005	.0004	.401	.6	.0011
%RSD	70.79	117.4	17.17	4.991	16.62	.3162	.1728
#1	.0054	.0049	.0040	-.0087	2.538	191.8	.6456
#2	.0060	.0049	.0029	-.0098	2.833	193.0	.6486
#3	.0023	.0023	.0028	-.0088	2.263	192.4	.6478
#4	.0013	.0010	.0028	-.0088	2.632	192.8	.6475
#5	.0012	-.0015	.0027	-.0088	1.796	191.6	.6469

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	556.5	.0072	.0171	.0045	.0014	.2592	.0026
SDev	1.2	.0188	.0197	.0097	.0212	.0272	.0008
%RSD	.2208	260.8	115.4	216.3	1567.	10.50	28.90
#1	558.2	.0372	.0064	.0159	-.0156	.2801	.0032
#2	556.5	-.0004	.0160	.0118	-.0103	.2856	.0018
#3	554.7	-.0005	.0432	.0036	.0369	.2226	.0018
#4	556.1	-.0122	-.0081	-.0004	.0049	.2682	.0032
#5	556.8	.0120	.0279	-.0085	-.0091	.2392	.0031

Elem	Zn2138
Units	ppm
Avge	.0284
SDev	.0020
%RSD	6.995
#1	.0308
#2	.0295
#3	.0277
#4	.0255
#5	.0286

IntStd	1	2	3	4	5	6	
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9947	--	--	--	--	--	--
SDev	85.72984	--	--	--	--	--	--
%RSD	.8618559	--	--	--	--	--	--
#1	9885	--	--	--	--	--	--
#2	9862	--	--	--	--	--	--
#3	9941	--	--	--	--	--	--
#4	9967	--	--	--	--	--	--
#5	10081	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0827107C Operator: DQ
Run Time: 08/15/95 14:15:39
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0235	.0034	1.057	.0011	519.7	.0009
SDev	.0020	.0156	.0143	.004	.0003	3.2	.0036
%RSD	159.8	66.24	418.6	.3390	27.44	.6093	383.9
#1	-.0007	.0144	.0236	1.061	.0012	515.9	.0001
#2	-.0007	.0320	.0025	1.057	.0005	517.1	-.0021
#3	.0026	.0471	.0099	1.051	.0012	523.1	.0022
#4	.0036	.0120	-.0054	1.055	.0012	522.5	.0065
#5	.0014	.0122	-.0136	1.059	.0012	519.8	-.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	.0036	.0033	-.0255	2.174	125.2	2.542
SDev	.0017	.0025	.0018	.0028	.491	.3	.009
%RSD	12.41	69.23	52.75	11.04	22.60	.2169	.3580
#1	.0116	.0061	.0018	-.0251	1.704	124.9	2.532
#2	.0136	.0060	.0028	-.0290	1.602	125.0	2.534
#3	.0149	.0037	.0019	-.0263	2.600	125.3	2.551
#4	.0163	.0011	.0061	-.0212	2.634	125.6	2.550
#5	.0136	.0010	.0039	-.0260	2.333	125.1	2.543

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	783.6	.0047	.0195	.0295	.0152	.2667	.0024
SDev	1.8	.0101	.0095	.0133	.0355	.0192	.0008
%RSD	.2236	213.2	48.62	45.00	234.6	7.198	33.08
#1	786.0	.0066	.0111	.0320	.0650	.2609	.0018
#2	784.5	.0123	.0153	.0156	-.0166	.2694	.0032
#3	782.0	.0044	.0354	.0160	.0218	.2984	.0033
#4	781.8	.0125	.0207	.0443	.0274	.2491	.0018
#5	783.8	-.0122	.0152	.0398	-.0219	.2558	.0018

Elem	Zn2138
Units	ppm
Avge	.0177

SDev	.0016
%RSD	8.824
#1	.0196
#2	.0179
#3	.0161
#4	.0160
#5	.0187

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9891	--	--	--	--	--	--
SDev	57.83448	--	--	--	--	--	--
%RSD	.5847467	--	--	--	--	--	--
#1	9891	--	--	--	--	--	--
#2	9941	--	--	--	--	--	--
#3	9808	--	--	--	--	--	--
#4	9865	--	--	--	--	--	--
#5	9948	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836501C Operator: DQ
Run Time: 08/15/95 14:19:59
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	.0298	-.0066	.4041	.0001	51.06	.0004
SDev	.0013	.0134	.0114	.0016	.0003	.33	.0022
%RSD	68.53	44.89	172.7	.3894	356.8	.6494	520.0
#1	-.0018	.0099	-.0194	.4067	.0006	50.48	-.0021
#2	.0002	.0426	-.0132	.4044	-.0000	51.08	-.0000
#3	-.0018	.0301	.0099	.4029	-.0000	51.23	.0040
#4	-.0029	.0415	-.0091	.4033	-.0000	51.25	-.0000
#5	-.0029	.0252	-.0011	.4031	-.0000	51.26	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0016	.0038	.1075	2.000	5.708	.0201
SDev	.0019	.0015	.0006	.0028	.362	.056	.0003
%RSD	386.9	99.19	14.67	2.610	18.10	.9800	1.290
#1	-.0023	.0018	.0032	.1088	1.382	5.673	.0199
#2	.0021	.0006	.0042	.1027	2.288	5.708	.0200
#3	-.0003	.0042	.0042	.1074	2.220	5.723	.0204
#4	.0007	.0006	.0032	.1090	2.104	5.793	.0199
#5	.0021	.0006	.0042	.1097	2.008	5.645	.0203

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.02	.0004	.0073	.0104	-.0086	.0533	.0006
SDev	.08	.0086	.0175	.0087	.0297	.0162	.0018

%RSD	.2719	2039.	239.4	83.56	344.4	30.45	301.1
#1	30.15	-.0089	-.0070	.0112	-.0031	.0262	-.0024
#2	30.00	.0067	-.0156	.0189	-.0276	.0623	.0017
#3	30.03	.0056	.0155	-.0003	-.0288	.0670	.0017
#4	29.95	.0077	.0197	.0036	-.0248	.0511	.0017
#5	29.95	-.0089	.0239	.0188	.0412	.0601	.0003

Elem	Zn2138
Units	ppm
Avge	.0204
SDev	.0008
%RSD	3.924
#1	.0192
#2	.0201
#3	.0208
#4	.0207
#5	.0213

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10464	--	--	--	--	--	--
SDev	26.04920	--	--	--	--	--	--
%RSD	.2489420	--	--	--	--	--	--
#1	10489	--	--	--	--	--	--
#2	10436	--	--	--	--	--	--
#3	10439	--	--	--	--	--	--
#4	10466	--	--	--	--	--	--
#5	10489	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0814 Operator: DQ
Run Time: 08/15/95 14:24:12
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.0082	-.0179	-.0005	-.0003	-.0065	.0002
SDev	.0011	.0082	.0110	.0006	.0003	.0052	.0025
%RSD	73.15	100.1	61.71	103.8	94.87	80.23	1051.
#1	-.0019	.0042	-.0196	-.0004	.0000	-.0062	-.0001
#2	-.0019	.0147	-.0058	-.0008	.0000	-.0019	.0037
#3	-.0029	-.0024	-.0074	-.0014	-.0006	-.0109	-.0021
#4	.0000	.0178	-.0308	-.0001	-.0006	-.0010	.0018
#5	-.0009	.0065	-.0257	-.0001	-.0006	-.0126	-.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0011	.0014	.0038	-.1209	-.0081	-.0000
SDev	.0008	.0017	.0004	.0011	.2144	.0185	.0006
%RSD	71.29	148.1	30.12	29.94	177.3	227.7	1245.
#1	-.0022	-.0031	.0017	.0036	-.1548	.0142	-.0004
#2	-.0013	-.0009	.0007	.0045	-.2648	-.0179	-.0004
#3	-.0003	-.0021	.0015	.0044	-.3750	-.0280	-.0000
#4	-.0017	.0013	.0016	.0045	.1413	-.0179	-.0004
#5	-.0003	-.0008	.0017	.0019	.0487	.0088	.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1281	.0010	.0085	.0106	-.0070	.0115	-.0003
SDev	.0100	.0065	.0157	.0143	.0273	.0088	.0007
%RSD	7.796	638.4	184.6	135.4	386.9	76.61	261.2
#1	H.1146	.0015	.0155	.0172	-.0048	.0184	.0002
#2	H.1330	.0067	-.0017	.0171	.0244	.0148	-.0010
#3	H.1219	-.0071	-.0028	.0059	-.0157	.0043	-.0010
#4	H.1403	.0078	-.0016	-.0121	.0087	.0197	.0002
#5	H.1305	-.0038	.0331	.0247	-.0478	.0000	.0003
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0066
SDev	.0009
%RSD	13.53
#1	.0066
#2	.0078
#3	.0053
#4	.0065
#5	.0068
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11005	--	--	--	--	--	--
SDev	105.5804	--	--	--	--	--	--
%RSD	.9593827	--	--	--	--	--	--
#1	10963	--	--	--	--	--	--

#2	11001	--	--	--	--	--	--
#3	11176	--	--	--	--	--	--
#4	10995	--	--	--	--	--	--
#5	10890	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK2814 Operator: DQ
Run Time: 08/15/95 14:28:17
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0128	-.0007	.0001	-.0006	-.0209	.0006
SDev	.0014	.0121	.0050	.0005	.0004	.0036	.0011
%RSD	190.2	94.98	698.3	374.7	73.26	17.42	172.9
#1	-.0009	.0243	.0038	.0003	.0000	-.0205	.0018
#2	.0010	.0116	.0028	.0006	-.0012	-.0172	.0018
#3	-.0000	-.0056	-.0083	-.0004	-.0005	-.0256	-.0002
#4	-.0009	.0233	.0010	.0006	-.0006	-.0177	-.0001
#5	-.0029	.0104	-.0029	-.0004	-.0006	-.0234	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0007	.0010	.0088	.4053	.0047	.0000
SDev	.0009	.0020	.0011	.0016	.4026	.0243	.0005
%RSD	670.3	275.9	107.7	18.52	99.34	514.9	1728.
#1	.0001	-.0009	.0017	.0081	.7193	.0303	.0000
#2	-.0008	-.0020	.0007	.0081	.4408	.0195	.0005
#3	.0015	.0012	.0005	.0079	.5388	-.0332	-.0000
#4	.0001	.0013	.0026	.0117	.6187	-.0018	.0005
#5	-.0003	-.0032	-.0003	.0080	-.2913	.0088	-.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.2293	.0001	.0115	.0098	-.0025	.0183	.0002
SDev	.0083	.0074	.0079	.0115	.0132	.0233	.0016
%RSD	3.607	7788.	68.62	117.9	531.7	127.6	664.1
#1	H.2375	.0025	.0196	.0208	-.0228	.0248	.0002
#2	H.2328	-.0007	.0193	.0171	.0051	.0307	.0015
#3	H.2277	.0053	.0054	.0131	-.0085	.0357	.0002
#4	H.2328	.0056	.0109	.0062	.0051	-.0224	.0015
#5	H.2159	-.0123	.0023	-.0084	.0088	.0225	-.0023
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050

Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0086
SDev	.0010
%RSD	11.45
#1	.0098
#2	.0084
#3	.0072
#4	.0091
#5	.0083
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11045	--	--	--	--	--	--
SDev	83.73447	--	--	--	--	--	--
%RSD	.7581347	--	--	--	--	--	--
#1	10977	--	--	--	--	--	--
#2	11007	--	--	--	--	--	--
#3	11188	--	--	--	--	--	--
#4	11007	--	--	--	--	--	--
#5	11044	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW0814 Operator: DQ
Run Time: 08/15/95 14:32:22
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.953	2.112	3.910	1.985	2.044	19.81	1.911
SDev	.006	.012	.037	.002	.002	.06	.008
%RSD	.3244	.5671	.9460	.0802	.0926	.2985	.4121
#1	1.962	2.102	3.935	1.986	2.047	19.85	1.922
#2	1.954	2.100	3.850	1.984	2.044	19.78	1.909
#3	1.949	2.114	3.913	1.986	2.043	19.77	1.914
#4	1.956	2.130	3.945	1.983	2.042	19.90	1.910
#5	1.946	2.114	3.905	1.983	2.043	19.76	1.900
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.936	1.978	1.994	1.978	19.19	19.89	1.956

SDev	.007	.008	.002	.006	.37	.06	.004
%RSD	.3375	.4146	.1248	.3123	1.930	.3109	.1837
#1	1.938	1.986	1.994	1.982	19.82	19.98	1.959
#2	1.932	1.969	1.995	1.981	18.85	19.82	1.954
#3	1.933	1.976	1.997	1.968	19.12	19.93	1.953
#4	1.947	1.988	1.992	1.982	19.12	19.88	1.961
#5	1.930	1.974	1.991	1.976	19.04	19.86	1.953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.47	1.928	1.902	3.884	3.946	3.970	1.884
SDev	.03	.016	.026	.021	.043	.160	.005
%RSD	.1749	.8463	1.382	.5302	1.098	4.021	.2455
#1	19.46	1.947	1.923	3.861	3.974	3.701	1.891
#2	19.48	1.940	1.872	3.862	3.880	3.967	1.882
#3	19.51	1.906	1.876	3.896	3.941	4.049	1.882
#4	19.42	1.929	1.927	3.901	3.994	4.017	1.887
#5	19.48	1.919	1.912	3.900	3.940	4.116	1.879
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.916
SDev	.007
%RSD	.3839
#1	1.924
#2	1.917
#3	1.909
#4	1.922
#5	1.909
Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10722	--	--	--	--	--	--
SDev	147.7792	--	--	--	--	--	--
%RSD	1.378322	--	--	--	--	--	--
#1	10497	--	--	--	--	--	--
#2	10703	--	--	--	--	--	--
#3	10773	--	--	--	--	--	--

#4	10730	--	--	--	--	--	--
#5	10905	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW2814 Operator: DQ
Run Time: 08/15/95 14:36:38
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.963	2.080	3.950	1.964	1.977	19.93	1.939
SDev	.002	.017	.018	.002	.002	.06	.014
%RSD	.1165	.8140	.4603	.1043	.1244	.2950	.7216
#1	1.963	2.093	3.958	1.965	1.980	19.85	1.918
#2	1.960	2.062	3.932	1.966	1.975	19.89	1.931
#3	1.964	2.063	3.977	1.965	1.976	19.95	1.950
#4	1.963	2.088	3.946	1.961	1.975	19.94	1.948
#5	1.966	2.097	3.937	1.962	1.980	20.00	1.947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.939	1.983	1.973	1.976	19.02	19.95	1.951
SDev	.005	.006	.001	.003	.37	.05	.003
%RSD	.2443	.3246	.0495	.1423	1.925	.2453	.1593
#1	1.936	1.975	1.973	1.975	19.13	20.00	1.946
#2	1.939	1.981	1.973	1.974	18.62	19.88	1.952
#3	1.936	1.982	1.971	1.972	18.66	19.93	1.951
#4	1.938	1.992	1.973	1.977	19.23	20.00	1.955
#5	1.948	1.986	1.972	1.980	19.45	19.94	1.952
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.26	1.941	1.908	3.910	3.926	3.968	1.878
SDev	.04	.018	.010	.010	.044	.191	.004
%RSD	.2095	.9099	.5436	.2534	1.128	4.804	.2167
#1	19.32	1.947	1.898	3.900	3.986	3.646	1.884
#2	19.28	1.910	1.902	3.909	3.904	4.021	1.873
#3	19.21	1.953	1.921	3.902	3.915	4.054	1.879
#4	19.24	1.953	1.902	3.924	3.872	3.974	1.876
#5	19.27	1.943	1.917	3.916	3.953	4.145	1.880
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.918
SDev	.006
%RSD	.3130
#1	1.912
#2	1.919
#3	1.911
#4	1.920
#5	1.926
Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11112	--	--	--	--	--	--
SDev	26.14960	--	--	--	--	--	--
%RSD	.2353343	--	--	--	--	--	--
#1	11080	--	--	--	--	--	--
#2	11128	--	--	--	--	--	--
#3	11137	--	--	--	--	--	--
#4	11125	--	--	--	--	--	--
#5	11087	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0842712B Operator: DQ
Run Time: 08/15/95 14:40:59
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	12.66	.0141	1.919	.0087	261.0	.0023
SDev	.0020	.02	.0141	.006	.0003	1.7	.0026
%RSD	89.25	.1256	99.76	.3382	3.484	.6394	112.6
#1	-.0033	12.66	.0342	1.929	.0085	258.2	.0038
#2	-.0013	12.64	-.0005	1.917	.0092	261.1	.0019
#3	-.0053	12.66	.0136	1.919	.0085	261.3	-.0001
#4	-.0002	12.65	.0026	1.913	.0086	262.8	-.0001
#5	-.0012	12.68	.0207	1.914	.0085	261.4	.0058

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0283	.0268	.0382	12.13	5.389	33.34	1.629
SDev	.0016	.0030	.0008	.03	.417	.10	.007
%RSD	5.607	11.27	2.208	.2702	7.739	.2929	.4480
#1	.0272	.0277	.0373	12.08	5.019	33.21	1.620
#2	.0305	.0270	.0379	12.14	5.822	33.37	1.635
#3	.0265	.0245	.0376	12.14	4.873	33.27	1.630

#4	.0281	.0235	.0389	12.16	5.578	33.43	1.638
#5	.0292	.0312	.0393	12.15	5.652	33.42	1.625

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	184.0	1.746	.0531	.0204	.0279	.1867	.1806
SDev	.6	.022	.0089	.0160	.0137	.0272	.0013
%RSD	.3450	1.248	16.82	78.33	49.09	14.59	.7250
#1	185.1	1.742	.0506	.0210	.0066	.1976	.1800
#2	183.9	1.743	.0435	.0022	.0260	.2151	.1796
#3	183.8	1.772	.0470	.0361	.0287	.1634	.1798
#4	183.4	1.714	.0652	.0362	.0348	.2051	.1809
#5	183.6	1.759	.0593	.0065	.0436	.1526	.1828

Elem	Zn2138
Units	ppm
Avge	.1347
SDev	.0016
%RSD	1.213
#1	.1318
#2	.1358
#3	.1355
#4	.1350
#5	.1354

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10713	--	--	--	--	--	--
SDev	62.31218	--	--	--	--	--	--
%RSD	.5816566	--	--	--	--	--	--
#1	10779	--	--	--	--	--	--
#2	10648	--	--	--	--	--	--
#3	10714	--	--	--	--	--	--
#4	10652	--	--	--	--	--	--
#5	10770	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0842725B Operator: DQ
Run Time: 08/15/95 14:45:18
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	13.64	.0116	1.601	.0074	257.7	-.0017
SDev	.0016	.01	.0132	.002	.0002	.7	.0026
%RSD	60.34	.0633	113.2	.1210	3.307	.2849	153.3
#1	-.0006	13.64	.0295	1.604	.0073	258.6	.0019
#2	-.0036	13.65	.0159	1.599	.0072	257.4	-.0040
#3	-.0046	13.63	-.0005	1.601	.0072	257.1	-.0021
#4	-.0016	13.64	-.0023	1.601	.0078	257.1	-.0040

#5	-.0026	13.64	.0155	1.599	.0072	258.5	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0262	.0218	.1908	14.17	3.727	44.51	.8063
SDev	.0011	.0012	.0011	.03	.236	.06	.0013
%RSD	4.220	5.554	.5568	.1828	6.333	.1347	.1590
#1	.0255	.0233	.1918	14.20	3.626	44.55	.8082
#2	.0261	.0206	.1913	14.16	3.853	44.55	.8060
#3	.0256	.0206	.1909	14.15	3.359	44.49	.8067
#4	.0255	.0227	.1890	14.14	3.860	44.53	.8050
#5	.0281	.0218	.1907	14.19	3.936	44.41	.8054

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	91.20	1.653	.0440	.0026	-.0055	.1540	.1168
SDev	.19	.008	.0124	.0099	.0275	.0063	.0009
%RSD	.2038	.4796	28.28	373.5	499.0	4.104	.7359
#1	91.31	1.656	.0592	-.0105	-.0306	.1519	.1168
#2	91.00	1.661	.0319	.0123	.0120	.1439	.1167
#3	91.46	1.657	.0317	-.0024	-.0209	.1568	.1165
#4	91.13	1.647	.0438	.0125	.0342	.1581	.1159
#5	91.10	1.642	.0535	.0012	-.0224	.1594	.1182

Elem	Zn2138
Units	ppm
Avge	.1851
SDev	.0020
%RSD	1.082
#1	.1886
#2	.1840
#3	.1837
#4	.1847
#5	.1844

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10838	--	--	--	--	--	--
SDev	75.61171	--	--	--	--	--	--
%RSD	.6976485	--	--	--	--	--	--
#1	10719	--	--	--	--	--	--
#2	10850	--	--	--	--	--	--
#3	10870	--	--	--	--	--	--
#4	10924	--	--	--	--	--	--
#5	10828	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0842733B Operator: DQ
Run Time: 08/15/95 14:49:39

Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	20.71	.0100	1.041	.0038	167.1	.0011
SDev	.0014	.04	.0237	.002	.0003	.6	.0022
%RSD	969.6	.1699	235.7	.2214	7.279	.3519	208.8
#1	.0011	20.69	-.0249	1.041	.0037	167.4	.0021
#2	.0011	20.69	.0276	1.042	.0042	167.3	.0019
#3	-.0018	20.77	.0358	1.042	.0036	166.1	.0038
#4	-.0008	20.69	.0085	1.041	.0036	167.0	-.0001
#5	.0011	20.73	.0032	1.037	.0036	167.6	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0221	.0383	.0421	23.34	5.627	25.07	.6464
SDev	.0019	.0012	.0012	.04	.394	.06	.0015
%RSD	8.762	3.054	2.925	.1718	7.007	.2373	.2347
#1	.0243	.0374	.0436	23.34	6.168	25.00	.6472
#2	.0221	.0392	.0431	23.34	5.749	25.15	.6471
#3	.0191	.0388	.0407	23.28	5.158	25.04	.6438
#4	.0220	.0367	.0418	23.33	5.335	25.06	.6475
#5	.0231	.0393	.0412	23.39	5.722	25.12	.6464

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.7	.4449	.0252	-.0004	.0187	.1148	.1197
SDev	.2	.0104	.0131	.0107	.0318	.0195	.0013
%RSD	.1546	2.335	51.95	2938.	169.8	17.02	1.055
#1	125.7	.4467	.0422	.0158	.0288	.1183	.1211
#2	125.5	.4569	.0322	-.0131	.0416	.1250	.1211
#3	126.0	.4526	.0096	-.0013	-.0122	.1286	.1187
#4	125.7	.4350	.0272	.0023	-.0174	.1215	.1191
#5	125.5	.4336	.0150	-.0055	.0527	.0805	.1186

Elem	Zn2138
Units	ppm
Avge	.1142
SDev	.0016
%RSD	1.448
#1	.1158
#2	.1123
#3	.1124
#4	.1150
#5	.1152

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10746	--	--	--	--	--	--
SDev	81.60310	--	--	--	--	--	--

%RSD	.7593557	--	--	--	--	--	--
#1	10625	--	--	--	--	--	--
#2	10740	--	--	--	--	--	--
#3	10840	--	--	--	--	--	--
#4	10799	--	--	--	--	--	--
#5	10728	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0842741B Operator: DQ
Run Time: 08/15/95 14:53:58
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	66.32	.0212	1.616	.0054	638.0	-.0029
SDev	.0017	.08	.0341	.003	.0003	1.5	.0011
%RSD	43.37	.1194	160.7	.2100	5.063	.2299	37.98
#1	-.0066	66.45	.0738	1.621	.0055	636.0	-.0021
#2	-.0045	66.32	.0161	1.613	.0049	638.8	-.0041
#3	-.0026	66.28	-.0077	1.613	.0055	639.3	-.0021
#4	-.0033	66.31	.0326	1.617	.0055	636.8	-.0041
#5	-.0025	66.24	-.0087	1.614	.0055	639.0	-.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0590	.2172	.1266	102.0	23.09	44.06	4.824
SDev	.0011	.0027	.0021	.1	.33	.08	.006
%RSD	1.926	1.235	1.652	.1026	1.428	.1815	.1348
#1	.0605	.2174	.1277	102.1	22.59	44.11	4.830
#2	.0586	.2198	.1229	102.1	23.15	44.11	4.826
#3	.0598	.2195	.1273	102.1	23.42	44.13	4.829
#4	.0577	.2134	.1278	101.9	22.96	43.95	4.814
#5	.0585	.2158	.1275	102.0	23.34	44.00	4.823

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	184.6	.6384	.0529	-.0255	.0378	.2288	.1377
SDev	.5	.0149	.0164	.0031	.0165	.0318	.0007
%RSD	.2621	2.334	30.98	12.07	43.70	13.90	.5077
#1	185.2	.6421	.0476	-.0228	.0443	.2300	.1384
#2	184.1	.6424	.0697	-.0229	.0593	.2449	.1385
#3	184.2	.6503	.0704	-.0246	.0239	.2689	.1376
#4	184.9	.6448	.0422	-.0276	.0186	.1839	.1374
#5	184.3	.6124	.0344	-.0298	.0431	.2164	.1368

Elem	Zn2138
Units	ppm
Avge	.2437
SDev	.0006
%RSD	.2523
#1	.2437

#2	.2445
#3	.2441
#4	.2431
#5	.2431

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10620	--	--	--	--	--	--
SDev	45.47737	--	--	--	--	--	--
%RSD	.4282061	--	--	--	--	--	--
#1	10610	--	--	--	--	--	--
#2	10605	--	--	--	--	--	--
#3	10566	--	--	--	--	--	--
#4	10690	--	--	--	--	--	--
#5	10631	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV40815 Operator: DQ
Run Time: 08/15/95 14:58:17
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9961	4.830	5.038	4.816	5.024	5.056	4.979
SDev	.0013	.022	.046	.007	.006	.013	.008
%RSD	.1291	.4486	.9080	.1489	.1131	.2629	.1704
#1	.9948	4.821	5.033	4.827	5.033	5.049	4.969
#2	.9948	4.835	5.035	4.816	5.026	5.051	4.984
#3	.9960	4.827	5.053	4.815	5.020	5.040	4.984
#4	.9976	4.804	4.972	4.812	5.021	5.065	4.970
#5	.9972	4.863	5.099	4.808	5.018	5.073	4.987
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.953	5.005	4.886	4.891	23.59	4.892	4.915
SDev	.014	.008	.006	.013	.24	.030	.003
%RSD	.2881	.1569	.1295	.2745	1.028	.6098	.0651
#1	4.946	5.003	4.895	4.874	23.72	4.943	4.914
#2	4.944	4.999	4.887	4.885	23.33	4.891	4.911
#3	4.959	5.013	4.886	4.893	23.32	4.869	4.914
#4	4.941	4.997	4.881	4.892	23.82	4.882	4.916
#5	4.976	5.014	4.879	4.911	23.75	4.874	4.919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.725	4.960	5.036	4.954	5.005	5.127	4.952
SDev	.010	.028	.030	.049	.077	.032	.004
%RSD	.2030	.5587	.5974	.9923	1.531	.6245	.0715
#1	4.739	4.927	5.040	4.895	5.051	5.083	4.952
#2	4.727	4.943	4.986	4.991	4.912	5.131	4.947
#3	4.720	4.988	5.048	4.986	5.093	5.108	4.956
#4	4.723	4.989	5.043	4.907	4.939	5.145	4.955
#5	4.713	4.954	5.066	4.994	5.032	5.166	4.951
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.990
SDev	.008
%RSD	.1634
#1	4.987
#2	4.981
#3	4.986
#4	4.994
#5	5.002
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11214	--	--	--	--	--	--
SDev	68.22881	--	--	--	--	--	--
%RSD	.6084035	--	--	--	--	--	--
#1	11267	--	--	--	--	--	--
#2	11268	--	--	--	--	--	--
#3	11222	--	--	--	--	--	--
#4	11215	--	--	--	--	--	--
#5	11101	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB40815 Operator: DQ
Run Time: 08/15/95 15:02:37
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0031	.0037	-.0000	-.0009	-.0277	.0029
SDev	.0016	.0064	.0108	.0005	.0003	.0052	.0022
%RSD	206.6	204.5	293.3	333600.	35.25	18.87	75.22

#1	-.0000	-.0042	.0088	-.0001	-.0011	-.0275	.0017
#2	.0000	.0076	-.0087	-.0001	-.0012	-.0251	-.0002
#3	-.0019	-.0052	.0030	-.0007	-.0011	-.0342	.0036
#4	.0010	-.0045	.0190	.0006	-.0006	-.0206	.0037
#5	-.0029	-.0093	-.0036	.0003	-.0005	-.0309	H.0055

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0003	.0006	.0002	-.0222	.0100	.0005
SDev	.0027	.0006	.0011	.0012	.4993	.0278	.0007
%RSD	348.0	183.7	201.8	662.5	2247.	277.3	132.3
#1	.0024	.0000	.0023	.0008	.3919	.0245	.0017
#2	.0006	.0002	.0007	.0009	-.1526	.0355	.0000
#3	-.0008	.0001	-.0004	-.0018	-.5756	-.0227	.0004
#4	.0043	-.0009	.0006	.0009	.5953	.0301	.0000
#5	-.0026	-.0010	-.0004	-.0000	-.3701	-.0174	.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V 2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0325	.0058	.0033	.0211	.0102	.0324	.0002
SDev	.0138	.0063	.0114	.0108	.0215	.0142	.0013
%RSD	42.40	108.1	347.3	51.11	210.3	43.84	563.1
#1	.0451	.0073	.0092	.0165	.0201	.0362	.0015
#2	.0194	-.0028	.0023	.0388	-.0032	.0457	.0002
#3	.0236	.0043	.0055	.0203	.0069	.0181	-.0010
#4	.0496	.0056	.0148	.0097	-.0140	.0452	.0015
#5	.0249	.0146	-.0154	.0202	.0413	.0167	-.0010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0004
SDev	.0012
%RSD	297.1
#1	-.0007
#2	.0017
#3	-.0006
#4	.0017
#5	-.0000

Errors	LC Pass
High	.0200

Low -.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11143	--	--	--	--	--	--
SDev	91.99071	--	--	--	--	--	--
%RSD	.8255382	--	--	--	--	--	--
#1	11237	--	--	--	--	--	--
#2	11039	--	--	--	--	--	--
#3	11173	--	--	--	--	--	--
#4	11052	--	--	--	--	--	--
#5	11214	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0842747B Operator: DQ
Run Time: 08/15/95 15:08:18
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	12.90	-.0059	1.529	.0036	327.6	.0049
SDev	.0024	.03	.0241	.006	.0005	1.8	.0019
%RSD	185.8	.2318	409.6	.4017	14.60	.5563	37.88
#1	.0019	12.85	.0008	1.537	.0037	325.3	.0061
#2	-.0012	12.92	.0223	1.533	.0044	326.9	.0061
#3	.0009	12.88	.0032	1.530	.0031	326.9	.0040
#4	.0051	12.92	-.0130	1.521	.0031	330.1	.0062
#5	-.0002	12.91	-.0428	1.527	.0037	328.7	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0317	.2406	.5130	19.38	7.240	46.91	2.603
SDev	.0024	.0020	.0018	.05	.463	.15	.007
%RSD	7.440	.8250	.3413	.2360	6.399	.3192	.2813
#1	.0325	.2415	.5146	19.32	6.956	46.67	2.596
#2	.0318	.2399	.5102	19.37	6.871	46.91	2.603
#3	.0277	.2378	.5143	19.37	7.131	47.02	2.598
#4	.0341	.2432	.5135	19.45	8.033	46.91	2.614
#5	.0323	.2408	.5126	19.39	7.207	47.05	2.607

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	137.1	.3181	.0621	.0141	.0076	.1878	.0546
SDev	.3	.0046	.0070	.0090	.0333	.0131	.0026
%RSD	.2369	1.446	11.21	63.98	438.5	6.986	4.766
#1	137.6	.3178	.0610	.0259	-.0085	.1811	.0549
#2	137.1	.3135	.0556	.0188	.0073	.1952	.0532
#3	137.2	.3245	.0729	.0036	.0063	.1849	.0530
#4	136.7	.3207	.0567	.0069	.0612	.2059	.0591
#5	137.1	.3142	.0643	.0151	-.0284	.1719	.0531

Elem	Zn2138
Units	ppm
Avge	.1686
SDev	.0009
%RSD	.5438
#1	.1682
#2	.1698
#3	.1684
#4	.1692
#5	.1675

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10354	--	--	--	--	--	--
SDev	53.49529	--	--	--	--	--	--
%RSD	.5166870	--	--	--	--	--	--
#1	10306	--	--	--	--	--	--
#2	10373	--	--	--	--	--	--
#3	10413	--	--	--	--	--	--
#4	10289	--	--	--	--	--	--
#5	10387	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0843701B Operator: DQ
Run Time: 08/15/95 15:12:35
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.3224	-.0114	.3475	.0002	121.3	.0016
SDev	.0013	.0164	.0159	.0011	.0003	.6	.0030
%RSD	183.1	5.074	139.5	.3061	177.9	.4556	188.6
#1	-.0007	.3297	-.0015	.3492	-.0001	120.3	.0020
#2	-.0017	.3468	-.0161	.3477	.0006	121.6	-.0000
#3	-.0007	.3122	.0062	.3463	-.0001	121.4	.0061
#4	.0014	.3051	-.0102	.3473	.0006	121.6	-.0021
#5	-.0017	.3182	-.0356	.3470	-.0001	121.5	.0020

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0067	.0046	.4374	5.726	24.55	.7379
SDev	.0009	.0018	.0011	.0007	.152	.02	.0017
%RSD	161.4	27.63	23.03	.1599	2.656	.0878	.2326
#1	.0002	.0090	.0053	.4378	5.729	24.56	.7353
#2	.0012	.0056	.0035	.4362	5.463	24.53	.7376
#3	-.0008	.0067	.0054	.4378	5.820	24.56	.7396
#4	.0017	.0079	.0054	.4372	5.827	24.58	.7376
#5	.0007	.0043	.0034	.4377	5.791	24.53	.7393

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	148.7	.0454	.0178	.0068	.0026	.0955	.0012
SDev	.3	.0076	.0170	.0076	.0388	.0112	.0015
%RSD	.1774	16.82	95.08	112.3	1468.	11.70	133.4
#1	149.1	.0491	.0022	.0090	.0133	.0994	.0017
#2	148.7	.0521	.0075	.0169	.0478	.0830	-.0010
#3	148.6	.0372	.0385	-.0025	.0272	.1125	.0003
#4	148.4	.0517	.0339	.0013	-.0420	.0922	.0031
#5	148.6	.0371	.0071	.0091	-.0331	.0903	.0017

Elem	Zn2138
Units	ppm
Avge	.0568
SDev	.0004
%RSD	.7529
#1	.0562
#2	.0571
#3	.0567
#4	.0573
#5	.0567

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10350	--	--	--	--	--	--
SDev	41.84810	--	--	--	--	--	--
%RSD	.4043404	--	--	--	--	--	--
#1	10410	--	--	--	--	--	--
#2	10292	--	--	--	--	--	--
#3	10343	--	--	--	--	--	--
#4	10357	--	--	--	--	--	--
#5	10347	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836101E Operator: DQ
Run Time: 08/15/95 15:16:38
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	8.616	.0465	.7090	.0007	40.27	.0016
SDev	.0023	.030	.0193	.0012	.0003	.15	.0017
%RSD	269.3	.3540	41.52	.1737	39.50	.3620	108.1
#1	-.0048	8.665	.0152	.7105	.0006	40.03	.0040
#2	-.0007	8.594	.0453	.7084	.0006	40.32	-.0000
#3	-.0007	8.590	.0488	.7100	.0006	40.29	-.0001
#4	.0014	8.604	.0567	.7076	.0012	40.43	.0020
#5	.0004	8.625	.0665	.7085	.0006	40.27	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	.0134	.0116	7.413	3.525	19.71	.9575
SDev	.0027	.0015	.0015	.016	.494	.08	.0023
%RSD	45.60	11.08	12.89	.2221	14.01	.4174	.2441
#1	.0012	.0123	.0092	7.389	2.755	19.62	.9566
#2	.0075	.0135	.0123	7.407	3.485	19.84	.9614
#3	.0070	.0134	.0112	7.430	3.670	19.70	.9576
#4	.0075	.0159	.0122	7.426	3.595	19.71	.9571
#5	.0065	.0122	.0131	7.412	4.120	19.67	.9551

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1436.	.0274	.0034	-.0019	-.0035	.0760	.0148
SDev	4.	.0132	.0175	.0137	.0201	.0272	.0020
%RSD	.3078	48.16	522.2	719.3	569.0	35.79	13.68
#1	1444.	.0198	-.0178	-.0127	-.0284	.1201	.0115
#2	1435.	.0356	-.0042	-.0166	.0005	.0834	.0156
#3	1435.	.0386	.0217	-.0010	.0084	.0608	.0155
#4	1435.	.0077	-.0043	.0027	.0209	.0632	.0143
#5	1432.	.0351	.0215	.0180	-.0192	.0523	.0168

Elem	Zn2138
Units	ppm
Avge	.0493
SDev	.0014
%RSD	2.948
#1	.0480
#2	.0484
#3	.0493
#4	.0517
#5	.0491

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10489	--	--	--	--	--	--
SDev	37.63938	--	--	--	--	--	--
%RSD	.3588531	--	--	--	--	--	--
#1	10491	--	--	--	--	--	--
#2	10444	--	--	--	--	--	--
#3	10510	--	--	--	--	--	--
#4	10461	--	--	--	--	--	--
#5	10538	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836102E Operator: DQ
Run Time: 08/15/95 15:20:41
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	1.615	-.0244	.3796	.0007	161.8	-.0029
SDev	.0019	.009	.0123	.0019	.0003	1.2	.0012
%RSD	267.8	.5830	50.26	.4872	43.03	.7288	39.73
#1	-.0004	1.606	-.0253	.3824	.0006	160.0	-.0021
#2	.0007	1.627	-.0050	.3795	.0006	161.3	-.0042
#3	-.0004	1.605	-.0384	.3797	.0012	162.2	-.0021
#4	-.0004	1.615	-.0299	.3773	.0005	162.6	-.0042
#5	.0040	1.622	-.0236	.3791	.0005	162.9	-.0021

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0032	.0055	1.228	1.687	99.78	3.165
SDev	.0015	.0016	.0012	.004	.345	.26	.014
%RSD	69.71	49.86	21.96	.3522	20.44	.2600	.4322
#1	.0028	.0022	.0060	1.223	1.584	99.46	3.145
#2	.0007	.0046	.0050	1.224	1.305	99.59	3.159
#3	.0023	.0047	.0051	1.232	1.628	99.95	3.171
#4	.0007	.0010	.0040	1.230	1.671	100.1	3.172
#5	.0044	.0035	.0072	1.232	2.249	99.81	3.180

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	712.5	.0206	.0137	.0189	-.0031	.2170	.0067
SDev	1.9	.0087	.0120	.0083	.0195	.0154	.0016
%RSD	.2705	42.49	87.92	44.04	622.6	7.118	24.38
#1	715.5	.0179	.0180	.0132	.0020	.2011	.0047
#2	713.2	.0214	-.0052	.0252	-.0350	.2408	.0075
#3	711.4	.0332	.0138	.0173	.0085	.2216	.0061
#4	711.7	.0216	.0139	.0294	-.0062	.2149	.0061
#5	710.8	.0088	.0280	.0093	.0150	.2064	.0090

Elem	Zn2138
Units	ppm
Avge	.0527
SDev	.0007
%RSD	1.379
#1	.0517
#2	.0524
#3	.0528
#4	.0537
#5	.0530

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9989	--	--	--	--	--	--
SDev	39.07847	--	--	--	--	--	--
%RSD	.3912228	--	--	--	--	--	--
#1	10025	--	--	--	--	--	--

#2	10034	--	--	--	--	--	--
#3	9978	--	--	--	--	--	--
#4	9963	--	--	--	--	--	--
#5	9945	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836103E Operator: DQ
Run Time: 08/15/95 15:24:44
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.4675	.0121	.7576	.0002	66.19	.0017
SDev	.0012	.0082	.0147	.0021	.0004	.26	.0027
%RSD	90.49	1.753	121.1	.2819	220.7	.3892	159.4
#1	-.0004	.4622	.0367	.7604	-.0001	65.96	.0001
#2	.0017	.4821	.0106	.7579	-.0001	66.17	-.0021
#3	.0017	.4637	.0115	.7569	.0006	66.04	.0042
#4	.0028	.4649	.0010	.7583	-.0001	66.16	.0021
#5	.0007	.4648	.0007	.7546	.0005	66.63	.0043

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0027	.0058	1.251	1.029	38.16	1.270
SDev	.0013	.0014	.0014	.005	.166	11	002
%RSD	19.41	52.69	24.87	.4387	16.16	.2851	1455
#1	.0064	.0035	.0082	1.253	.8571	38.09	1.272
#2	.0068	.0046	.0049	1.247	1.103	38.05	1.269
#3	.0048	.0009	.0049	1.247	.8465	38.21	1.268
#4	.0083	.0021	.0049	1.249	1.130	38.12	1.269
#5	.0064	.0023	.0061	1.260	1.208	38.32	1.272

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1261.	.0202	.0205	.0188	-.0124	.1314	.0030
SDev	3.	.0043	.0099	.0107	.0159	.0260	.0006
%RSD	.2293	21.23	48.18	56.63	128.1	19.77	21.51
#1	1265.	.0216	.0148	.0134	-.0076	.1726	.0033
#2	1259.	.0224	.0138	.0252	-.0215	.1281	.0032
#3	1262.	.0246	.0365	.0171	.0116	.1111	.0018
#4	1259.	.0189	.0137	.0331	-.0306	.1373	.0032
#5	1259.	.0134	.0240	.0054	-.0142	.1080	.0033

Elem	Zn2138
Units	ppm
Avge	.1019
SDev	.0012
%RSD	1.184
#1	.1033
#2	.1004
#3	.1008
#4	.1024

#5	.1025

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10038	--	--	--	--	--	--
SDev	68.06955	--	--	--	--	--	--
%RSD	.6780943	--	--	--	--	--	--
#1	9961	--	--	--	--	--	--
#2	10073	--	--	--	--	--	--
#3	10102	--	--	--	--	--	--
#4	10087	--	--	--	--	--	--
#5	9968	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836104E Operator: DQ
Run Time: 08/15/95 15:28:47
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	.2725	.0065	.1699	.0004	88.48	-.0004
SDev	.0012	.0178	.0135	.0013	.0005	.28	.0018
%RSD	108.6	6.534	208.4	.7778	126.4	.3217	435.5
#1	.0004	.2826	.0196	.1720	-.0001	88.61	-.0021
#2	-.0007	.2868	-.0160	.1690	.0006	88.84	.0021
#3	-.0007	.2719	.0134	.1704	.0012	88.33	.0000
#4	-.0028	.2788	.0074	.1694	-.0001	88.54	-.0021
#5	-.0018	.2422	.0081	.1688	.0006	88.09	-.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0001	.0032	.2177	.6928	71.68	.4643
SDev	.0009	.0024	.0021	.0029	.3306	.16	.0018
%RSD	80.73	1692.	66.14	1.322	47.71	.2281	.3888
#1	.0002	-.0015	.0039	.2177	.8223	71.97	.4657
#2	.0023	.0009	.0038	.2207	1.068	71.64	.4665
#3	.0012	.0033	.0046	.2147	.8556	71.55	.4620
#4	.0017	.0008	-.0005	.2205	.2353	71.63	.4643
#5	.0002	-.0028	.0045	.2150	.4831	71.63	.4632

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	75.98	.0086	.0097	.0123	-.0013	.1564	.0037
SDev	.19	.0110	.0057	.0075	.0177	.0113	.0021
%RSD	.2466	127.6	58.84	60.76	1365.	7.220	57.67
#1	76.25	.0006	.0148	.0207	-.0069	.1666	.0060
#2	75.83	.0097	.0140	.0045	-.0091	.1615	.0018
#3	75.82	.0197	.0038	.0201	.0294	.1655	.0059
#4	75.90	.0184	.0125	.0082	-.0042	.1452	.0031
#5	76.09	-.0054	.0032	.0082	-.0157	.1432	.0017

Elem	Zn2138
Units	ppm
Avge	.0347
SDev	.0011
%RSD	3.326
#1	.0340
#2	.0350
#3	.0364
#4	.0334
#5	.0346

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10150	--	--	--	--	--	--
SDev	127.5975	--	--	--	--	--	--
%RSD	1.257158	--	--	--	--	--	--
#1	9974	--	--	--	--	--	--
#2	10061	--	--	--	--	--	--
#3	10198	--	--	--	--	--	--
#4	10241	--	--	--	--	--	--
#5	10275	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 836104ES Operator: DQ
Run Time: 08/15/95 15:32:51
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8315	1.279	1.685	.9823	.8129	86.50	.8213
SDev	.0030	.015	.036	.0014	.0019	.41	.0099
%RSD	.3611	1.174	2.118	.1411	.2362	.4757	1.210
#1	.8359	1.296	1.728	.9817	.8140	87.08	.8352
#2	.8283	1.256	1.651	.9844	.8115	86.03	.8112
#3	.8327	1.275	1.720	.9807	.8146	86.62	.8252
#4	.8315	1.288	1.662	.9819	.8143	86.58	.8230
#5	.8292	1.277	1.666	.9827	.8103	86.19	.8122

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8021	.8212	.8431	1.049	9.163	74.85	1.234
SDev	.0037	.0037	.0023	.003	.180	.20	.004
%RSD	.4601	.4542	.2679	.3245	1.968	.2644	.2899
#1	.8084	.8208	.8426	1.054	9.204	75.06	1.239
#2	.7995	.8164	.8417	1.050	9.140	74.58	1.229
#3	.8001	.8248	.8468	1.047	9.316	74.99	1.234
#4	.8022	.8249	.8436	1.047	9.289	74.88	1.234
#5	.8000	.8189	.8410	1.045	8.865	74.72	1.233

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	79.56	.7910	.8147	1.668	1.635	1.706	.7863
SDev	.08	.0100	.0191	.018	.022	.043	.0030
%RSD	.1020	1.271	2.350	1.073	1.328	2.513	.3769
#1	79.62	.7918	.8372	1.674	1.616	1.633	.7904
#2	79.58	.8048	.7904	1.652	1.651	1.740	.7840
#3	79.64	.7764	.8221	1.669	1.610	1.704	.7884
#4	79.44	.7912	.8240	1.694	1.661	1.728	.7838
#5	79.52	.7907	.7996	1.650	1.637	1.726	.7847

Elem	Zn2138
Units	ppm
Avge	.8231
SDev	.0057
%RSD	.6923
#1	.8296
#2	.8171
#3	.8281
#4	.8225
#5	.8180

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	
Avge	11004	--	--	--	--		
SDev	105.0563	--	--	--	--	--	--
%RSD	.9547062	--	--	--	--	--	--
#1	10872	--	--	--	--	--	--
#2	11140	--	--	--	--	--	
#3	10952	--	--	--	--	--	--
#4	10981	--	--	--	--	--	--
#5	11075	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 836104EK Operator: DQ
Run Time: 08/15/95 15:36:55
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8695	1.279	1.753	1.045	.8889	91.66	.8541
SDev	.0037	.009	.024	.002	.0014	.46	.0063
%RSD	.4192	.7251	1.367	.2261	.1574	.4999	.7344
#1	.8707	1.277	1.780	1.048	.8907	91.39	.8467
#2	.8636	1.276	1.727	1.048	.8896	91.06	.8497
#3	.8692	1.273	1.771	1.046	.8869	91.69	.8533
#4	.8734	1.295	1.729	1.043	.8885	92.22	.8604
#5	.8706	1.273	1.756	1.043	.8889	91.96	.8606

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8416	.8608	.8763	1.094	9.755	79.53	1.305
SDev	.0053	.0025	.0019	.004	.404	.12	.004
%RSD	.6339	.2916	.2202	.3664	4.144	.1562	.3440
#1	.8410	.8595	.8797	1.093	9.857	79.62	1.303
#2	.8340	.8580	.8750	1.087	9.082	79.35	1.301
#3	.8414	.8643	.8757	1.095	9.977	79.47	1.303
#4	.8430	.8624	.8761	1.095	10.13	79.56	1.311
#5	.8489	.8598	.8751	1.097	9.728	79.66	1.309

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.44	.8406	.8606	1.748	1.742	1.856	.8300
SDev	.25	.0122	.0214	.028	.018	.053	.0030
%RSD	.2910	1.454	2.485	1.615	1.055	2.853	.3620
#1	84.68	.8292	.8828	1.760	1.751	1.766	.8331
#2	84.72	.8470	.8379	1.734	1.764	1.876	.8258
#3	84.36	.8529	.8396	1.714	1.726	1.906	.8287
#4	84.16	.8482	.8800	1.789	1.749	1.872	.8296
#5	84.30	.8259	.8628	1.743	1.720	1.862	.8326

Elem	Zn2138
Units	ppm
Avge	.8632
SDev	.0036
%RSD	.4190
#1	.8601
#2	.8592
#3	.8643
#4	.8682
#5	.8643

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10601	--	--	--	--	--	--
SDev	64.16459	--	--	--	--	--	--
%RSD	.6052623	--	--	--	--	--	--
#1	10500	--	--	--	--	--	--
#2	10661	--	--	--	--	--	--
#3	10641	--	--	--	--	--	--
#4	10578	--	--	--	--	--	--
#5	10625	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836105E Operator: DQ
Run Time: 08/15/95 15:40:58
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.5892	-.0025	.1521	-.0001	91.80	.0014
SDev	.0008	.0151	.0137	.0009	.0005	.50	.0025
%RSD	3277.	2.557	556.1	.6233	471.6	.5443	179.6
#1	.0002	.5781	-.0231	.1531	-.0006	91.61	-.0001
#2	.0002	.5840	-.0035	.1508	.0006	91.48	-.0021
#3	-.0008	.5740	.0023	.1524	.0000	91.24	.0037
#4	.0012	.6010	.0147	.1528	.0000	92.32	.0018
#5	-.0008	.6089	-.0026	.1516	-.0006	92.33	.0037

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0000	.0023	.4489	.5165	54.32	.3938
SDev	.0012	.0018	.0005	.0037	.1938	.16	.0021
%RSD	132.4	13740.	22.61	.8211	37.52	.2936	.5302
#1	.0001	-.0009	.0027	.4473	.6677	54.29	.3930
#2	.0015	-.0021	.0017	.4453	.7338	54.28	.3927
#3	-.0008	.0024	.0026	.4486	.2622	54.12	.3913
#4	.0020	-.0009	.0018	.4483	.5261	54.34	.3957
#5	.0015	.0014	.0027	.4551	.3925	54.56	.3962

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.30	-.0015	.0123	.0126	-.0011	.1235	.0072
SDev	.06	.0047	.0147	.0080	.0187	.0149	.0012
%RSD	.2318	313.6	118.9	63.22	1654.	12.07	16.51
#1	26.37	.0036	.0024	.0192	.0028	.1348	.0080
#2	26.31	-.0060	.0229	.0081	.0115	.1311	.0066
#3	26.35	-.0039	-.0026	.0081	-.0339	.1012	.0053
#4	26.25	.0036	.0322	.0230	.0039	.1152	.0080
#5	26.23	-.0049	.0067	.0046	.0100	.1352	.0080

Elem	Zn2138
Units	ppm
Avge	.0299
SDev	.0010
%RSD	3.379
#1	.0306
#2	.0289
#3	.0287
#4	.0307
#5	.0307

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10991	--	--	--	--	--	--
SDev	62.76632	--	--	--	--	--	--
%RSD	.5710744	--	--	--	--	--	--
#1	10961	--	--	--	--	--	--

#2	11031	--	--	--	--	--	--
#3	11081	--	--	--	--	--	--
#4	10935	--	--	--	--	--	--
#5	10946	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836106E Operator: DQ
Run Time: 08/15/95 15:45:02
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	1.391	.0026	.1690	.0001	73.35	.0003
SDev	.0026	.023	.0118	.0012	.0003	.51	.0026
%RSD	1684.	1.639	452.2	.6964	249.9	.6967	867.0
#1	-.0016	1.381	-.0094	.1709	-.0000	72.83	.0019
#2	-.0006	1.360	.0104	.1691	.0006	72.88	-.0001
#3	-.0015	1.422	.0116	.1684	-.0000	73.90	.0019
#4	-.0016	1.388	.0116	.1678	-.0000	73.33	-.0040
#5	.0045	1.402	-.0112	.1687	-.0000	73.84	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0008	.0044	1.150	1.283	52.92	.5905
SDev	.0017	.0021	.0016	.006	.343	.09	.0032
%RSD	77.52	253.9	37.93	.4879	26.73	.1628	.5454
#1	.0030	.0004	.0021	1.146	.8544	52.93	.5870
#2	.0006	.0014	.0039	1.146	1.179	52.81	.5876
#3	.0030	.0004	.0060	1.158	1.402	52.87	.5926
#4	.0002	-.0020	.0039	1.148	1.192	53.03	.5907
#5	.0040	.0039	.0060	1.155	1.786	52.96	.5946

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	69.43	.0071	.0066	.0125	-.0035	.1222	.0058
SDev	.24	.0067	.0082	.0042	.0155	.0286	.0017
%RSD	.3453	93.60	123.2	33.40	437.6	23.39	29.81
#1	69.76	-.0004	.0077	.0118	-.0050	.0948	.0056
#2	69.53	.0145	-.0017	.0116	-.0191	.1361	.0042
#3	69.12	.0116	.0166	.0194	.0196	.1469	.0069
#4	69.43	.0006	-.0015	.0079	-.0156	.0878	.0042
#5	69.31	.0094	.0121	.0118	.0024	.1452	.0082

Elem	Zn2138
Units	ppm
Avge	.0103
SDev	.0011
%RSD	10.84
#1	.0097
#2	.0093
#3	.0118
#4	.0094

#5	.0111

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10770	--	--	--	--	--	--
SDev	67.75111	--	--	--	--	--	--
%RSD	.6290539	--	--	--	--	--	--
#1	10742	--	--	--	--	--	--
#2	10854	--	--	--	--	--	--
#3	10698	--	--	--	--	--	--
#4	10830	--	--	--	--	--	--
#5	10728	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836107E Operator: DQ
Run Time: 08/15/95 15:49:06
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	2.099	-.0199	.4995	.0006	157.7	-.0005
SDev	.0009	.018	.0169	.0016	.0004	.8	.0022
%RSD	1385.	.8483	85.32	.3208	72.72	.5063	452.0
#1	.0007	2.125	-.0119	.5011	.0012	157.7	.0019
#2	.0006	2.083	-.0429	.5013	.0006	156.5	-.0040
#3	-.0013	2.084	-.0266	.4984	-.0000	158.4	-.0001
#4	-.0004	2.092	-.0207	.4981	.0006	157.4	-.0001
#5	.0007	2.108	.0027	.4984	.0006	158.4	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0025	.0049	1.864	2.196	75.30	1.139
SDev	.0007	.0021	.0009	.004	.368	.15	.004
%RSD	30.08	86.10	18.62	.2391	16.78	.2042	.3521
#1	.0026	.0040	.0053	1.867	2.542	75.37	1.140
#2	.0035	.0014	.0040	1.860	1.585	75.09	1.133
#3	.0016	.0039	.0061	1.867	2.274	75.39	1.141
#4	.0020	-.0008	.0040	1.858	2.176	75.19	1.137
#5	.0021	.0038	.0051	1.868	2.403	75.46	1.143

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.16	.0037	.0125	.0129	-.0074	.1558	.0049
SDev	.05	.0059	.0113	.0096	.0236	.0115	.0015
%RSD	.1901	158.0	90.45	74.05	318.0	7.403	31.28
#1	26.21	.0031	.0171	.0267	.0073	.1659	.0044
#2	26.22	-.0048	-.0065	.0075	-.0052	.1496	.0030
#3	26.12	.0019	.0207	.0189	-.0048	.1623	.0070
#4	26.13	.0103	.0110	.0038	-.0472	.1384	.0043
#5	26.12	.0083	.0201	.0076	.0128	.1628	.0056

Elem	Zn2138						
Units	ppm						
Avge	.0318						
SDev	.0010						
%RSD	3.105						
#1	.0315						
#2	.0323						
#3	.0331						
#4	.0305						
#5	.0315						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10732	--	--	--	--	--	--
SDev	107.4205	--	--	--	--	--	--
%RSD	1.000940	--	--	--	--	--	--
#1	10581	--	--	--	--	--	--
#2	10855	--	--	--	--	--	--
#3	10677	--	--	--	--	--	--
#4	10804	--	--	--	--	--	--
#5	10744	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836108E Operator: DQ
Run Time: 08/15/95 15:53:10
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	1.980	-.0007	.2401	-.0001	100.0	.0015
SDev	.0024	.016	.0100	.0008	.0003	.5	.0032
%RSD	292.1	.8238	1368.	.3170	202.8	.4726	221.2
#1	.0006	2.002	-.0011	.2408	-.0000	100.0	.0039
#2	.0037	1.979	.0056	.2388	-.0000	100.5	-.0041
#3	-.0024	1.956	-.0176	.2403	-.0000	99.66	.0018
#4	-.0004	1.982	.0075	.2405	.0000	99.52	.0038
#5	.0026	1.982	.0019	.2400	-.0006	100.6	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0029	.0039	1.697	1.247	49.78	.4812
SDev	.0030	.0018	.0013	.007	.332	.08	.0010
%RSD	407.6	60.48	33.01	.4131	26.62	.1614	.2008
#1	-.0018	.0051	.0042	1.687	1.495	49.73	.4814
#2	.0045	.0039	.0052	1.703	1.541	49.87	.4826
#3	-.0017	.0003	.0050	1.692	.9721	49.81	.4801
#4	-.0008	.0025	.0030	1.697	.8125	49.67	.4805
#5	.0035	.0027	.0022	1.704	1.415	49.82	.4816

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.34	.0061	.0124	.0113	-.0122	.1020	.0064
SDev	.04	.0101	.0164	.0062	.0086	.0137	.0015
%RSD	.1930	165.1	132.1	54.64	70.60	13.44	23.49
#1	18.40	.0160	.0121	.0106	-.0137	.1003	.0057
#2	18.31	.0041	.0296	.0069	-.0050	.1194	.0070
#3	18.35	-.0091	-.0146	.0105	-.0031	.1124	.0043
#4	18.35	.0048	.0189	.0067	-.0247	.0892	.0068
#5	18.32	.0149	.0162	.0219	-.0147	.0888	.0083

Elem	Zn2138
Units	ppm
Avge	.0758
SDev	.0010
%RSD	1.302
#1	.0759
#2	.0773
#3	.0754
#4	.0746
#5	.0756

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	
Avge	10741	--	--	--	--	--	--
SDev	96.25332	--	--	--	--	--	--
%RSD	.8961333	--	--	--	--	--	--
#1	10666	--	--	--	--	--	--
#2	10660	--	--	--	--	--	--
#3	10795	--	--	--	--	--	--
#4	10884	--	--	--	--	--	--
#5	10701	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV50815 Operator: DQ
Run Time: 08/15/95 15:57:14
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9898	4.808	5.009	4.813	5.002	5.022	4.920
SDev	.0032	.016	.021	.008	.012	.023	.032
%RSD	.3240	.3316	.4254	.1673	.2303	.4615	.6430
#1	.9942	4.815	5.005	4.804	5.020	5.056	4.971
#2	.9882	4.805	5.029	4.818	5.001	5.017	4.931
#3	.9920	4.823	5.034	4.804	5.002	5.032	4.907
#4	.9885	4.782	4.991	4.820	4.988	4.996	4.895
#5	.9862	4.815	4.987	4.818	4.999	5.009	4.897
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.907	4.963	4.894	4.870	23.49	4.849	4.886
SDev	.022	.011	.004	.017	.31	.049	.020
%RSD	.4473	.2292	.0898	.3506	1.317	1.019	.3999
#1	4.939	4.977	4.888	4.890	23.63	4.817	4.914
#2	4.903	4.965	4.894	4.877	23.24	4.876	4.890
#3	4.918	4.965	4.893	4.877	23.94	4.924	4.891
#4	4.881	4.961	4.900	4.854	23.18	4.812	4.865
#5	4.896	4.945	4.896	4.850	23.47	4.817	4.870
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.711	4.931	4.966	4.912	4.986	5.077	4.920
SDev	.007	.037	.018	.036	.037	.048	.007
%RSD	.1532	.7430	.3563	.7273	.7475	.9521	.1461
#1	4.723	4.983	4.982	4.903	5.022	5.006	4.927
#2	4.710	4.924	4.943	4.871	4.962	5.054	4.921
#3	4.710	4.940	4.951	4.939	4.986	5.102	4.927
#4	4.704	4.881	4.972	4.957	4.938	5.131	4.912
#5	4.706	4.926	4.981	4.888	5.023	5.093	4.913
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.939
SDev	.029
%RSD	.5904
#1	4.981
#2	4.930
#3	4.955
#4	4.907
#5	4.923
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11520	--	--	--	--	--	--

SDev	100.7577	--	--	--	--	--	--
%RSD	.8746390	--	--	--	--	--	--
#1	11404	--	--	--	--	--	--
#2	11603	--	--	--	--	--	--
#3	11419	--	--	--	--	--	--
#4	11611	--	--	--	--	--	--
#5	11562	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB50815 Operator: DQ
Run Time: 08/15/95 16:01:27
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0021	.0034	-.0001	-.0002	-.0228	.0009
SDev	.0015	.0211	.0166	.0003	.0003	.0064	.0021
%RSD	1684.	1008.	488.3	204.6	193.4	28.17	239.6
#1	-.0020	.0071	.0240	-.0001	.0001	-.0197	-.0021
#2	.0018	.0255	-.0223	-.0001	-.0005	-.0169	-.0002
#3	.0008	.0026	.0055	.0003	.0001	-.0211	.0016
#4	-.0001	-.0174	.0026	-.0004	.0001	-.0226	.0016
#5	-.0010	-.0283	.0072	-.0004	-.0005	-.0337	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0003	.0004	.0001	-.0480	.0079	.0001
SDev	.0021	.0026	.0008	.0011	.3216	.0190	.0002
%RSD	392.2	825.3	177.6	1301.	670.7	239.4	249.4
#1	.0010	.0009	.0011	.0008	.0026	.0139	-.0001
#2	.0010	.0021	.0003	.0008	.3024	.0347	.0004
#3	.0037	.0031	.0012	-.0001	.1087	.0088	-.0001
#4	-.0017	-.0012	-.0007	-.0018	-.5596	-.0014	-.0001
#5	-.0012	-.0034	.0002	.0007	-.0939	-.0165	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0614	-.0006	.0042	.0195	-.0108	.0073	.0004
SDev	.0085	.0031	.0112	.0086	.0145	.0066	.0010
%RSD	13.86	493.6	270.1	44.13	135.2	89.74	239.4
#1	.0746	-.0033	.0152	.0264	-.0289	.0130	.0014
#2	.0565	.0019	.0041	.0268	-.0064	.0110	.0014
#3	.0641	-.0002	.0155	.0055	.0079	.0098	-.0010
#4	.0524	-.0043	-.0087	.0195	-.0048	-.0037	.0002

#5	.0597	.0027	-.0052	.0192	-.0216	.0066	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0006
SDev	.0002
%RSD	28.96
#1	.0005
#2	.0009
#3	.0006
#4	.0006
#5	.0004
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11494	--	--	--	--	--	--
SDev	74.58781	--	--	--	--	--	--
%RSD	.6489372	--	--	--	--	--	--
#1	11522	--	--	--	--	--	--
#2	11381	--	--	--	--	--	--
#3	11485	--	--	--	--	--	--
#4	11494	--	--	--	--	--	--
#5	11587	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836209E Operator: DQ
Run Time: 08/15/95 16:06:02
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	3.448	-.0077	.7518	.0007	224.4	.0011
SDev	.0015	.008	.0161	.0015	.0003	.7	.0018
%RSD	315.4	.2211	210.0	.2010	38.72	.3034	159.6
#1	.0009	3.455	-.0270	.7503	.0012	223.9	-.0021
#2	-.0001	3.446	.0027	.7532	.0006	224.5	.0019
#3	-.0011	3.438	.0141	.7530	.0006	224.0	.0019
#4	.0029	3.456	-.0130	.7500	.0006	225.6	.0019
#5	-.0001	3.445	-.0152	.7523	.0006	224.2	.0019

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.0040	.0058	2.481	1.649	150.8	2.117

SDev	.0012	.0001	.0012	.004	.438	.2	.003
%RSD	24.11	2.457	20.73	.1606	26.58	.1199	.1384
#1	.0065	.0041	.0065	2.486	2.170	150.7	2.117
#2	.0050	.0040	.0054	2.484	1.930	150.8	2.118
#3	.0040	.0039	.0053	2.476	1.253	150.7	2.112
#4	.0050	.0040	.0074	2.480	1.743	151.1	2.118
#5	.0035	.0039	.0043	2.479	1.147	150.6	2.119

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	91.01	.0108	.0135	.0174	.0080	.2163	.0090
SDev	.18	.0110	.0099	.0234	.0257	.0097	.0027
%RSD	.2018	101.6	73.34	134.6	321.9	4.470	29.49
#1	91.29	.0133	.0127	.0183	.0225	.2125	.0099
#2	91.05	.0240	.0164	.0068	-.0364	.2297	.0125
#3	90.96	-.0046	.0156	.0444	.0179	.2225	.0071
#4	90.79	.0163	.0249	.0333	.0090	.2056	.0098
#5	90.94	.0051	-.0022	-.0158	.0268	.2111	.0057

Elem	Zn2138
Units	ppm
Avge	.0789
SDev	.0012
%RSD	1.521
#1	.0803
#2	.0790
#3	.0789
#4	.0795
#5	.0771

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10591	--	--	--	--	--	--
SDev	88.62801	--	--	--	--	--	--
%RSD	.8368111	--	--	--	--	--	--
#1	10471	--	--	--	--	--	--
#2	10555	--	--	--	--	--	--
#3	10648	--	--	--	--	--	--
#4	10580	--	--	--	--	--	--
#5	10702	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836210E Operator: DQ
Run Time: 08/15/95 16:10:10
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.1869	-.0098	.2192	-.0001	89.00	-.0025
SDev	.0000	.0081	.0181	.0008	.0005	.17	.0033

%RSD	1.741	4.362	185.2	.3611	364.0	.1861	132.5
#1	.0012	.1914	.0101	.2196	.0006	88.85	.0019
#2	.0012	.1977	-.0174	.2196	-.0006	88.89	-.0041
#3	.0012	.1767	.0080	.2186	-.0000	89.12	-.0001
#4	.0012	.1818	-.0314	.2182	-.0006	89.23	-.0060
#5	.0011	.1869	-.0181	.2201	-.0000	88.92	-.0040

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0004	.0033	.1193	1.233	76.70	.5715
SDev	.0011	.0014	.0015	.0011	.239	.06	.0013
%RSD	57.94	323.4	45.80	.9010	19.37	.0769	.2216
#1	.0026	.0005	.0050	.1202	1.273	76.65	.5700
#2	.0026	.0016	.0039	.1186	1.246	76.73	.5712
#3	.0030	.0004	.0030	.1178	1.076	76.77	.5718
#4	.0016	-.0019	.0039	.1194	1.598	76.74	.5735
#5	.0002	.0015	.0009	.1203	.9720	76.63	.5711

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	86.48	.0016	-.0041	.0154	-.0267	.1428	.0032
SDev	.11	.0051	.0103	.0117	.0175	.0044	.0011
%RSD	.1288	315.0	254.0	76.03	65.33	3.080	34.94
#1	86.47	.0019	.0050	.0147	-.0237	.1458	.0043
#2	86.59	-.0068	-.0127	.0184	-.0010	.1424	.0042
#3	86.51	.0051	-.0083	.0071	-.0458	.1354	.0016
#4	86.30	.0062	.0089	.0333	-.0233	.1438	.0029
#5	86.53	.0017	-.0132	.0033	-.0400	.1464	.0029

Elem	Zn2138
Units	ppm
Avge	.0214
SDev	.0010
%RSD	4.628
#1	.0211
#2	.0223
#3	.0203
#4	.0209
#5	.0226

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10698	--	--	--	--	--	--
SDev	53.81555	--	--	--	--	--	--
%RSD	.5030618	--	--	--	--	--	--
#1	10633	--	--	--	--	--	--
#2	10687	--	--	--	--	--	--
#3	10683	--	--	--	--	--	--
#4	10703	--	--	--	--	--	--

#5	10781	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0836211E Operator: DQ
Run Time: 08/15/95 16:14:13
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0220	-.0037	.0003	-.0002	2.554	.0002
SDev	.0021	.0052	.0096	.0005	.0003	.014	.0021
%RSD	289.2	23.75	255.1	175.9	142.3	.5513	877.2
#1	-.0009	.0232	-.0127	.0003	.0000	2.543	-.0001
#2	.0020	.0148	-.0071	.0003	.0000	2.563	-.0021
#3	-.0039	.0204	-.0009	-.0004	.0000	2.546	-.0001
#4	-.0009	.0293	.0115	.0003	-.0006	2.574	-.0001
#5	.0000	.0225	-.0095	.0010	-.0006	2.543	.0037

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0013	.0036	.0065	-.1555	.0421	.0016
SDev	.0023	.0017	.0012	.0015	.2896	.0124	.0005
%RSD	234.3	128.5	33.37	22.48	186.3	29.37	32.03
#1	-.0027	-.0009	.0027	.0082	-.2876	.0411	.0014
#2	-.0003	-.0009	.0055	.0055	.0504	.0627	.0014
#3	-.0041	-.0043	.0026	.0054	-.5626	.0355	.0009
#4	.0011	-.0009	.0036	.0055	-.1537	.0411	.0018
#5	.0011	.0002	.0035	.0081	.1760	.0302	.0022

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3414	-.0008	.0029	.0084	.0088	.0195	-.0016
SDev	.0118	.0066	.0103	.0092	.0188	.0167	.0019
%RSD	3.442	781.9	355.0	108.8	212.9	85.59	124.5
#1	.3448	.0058	.0116	.0136	.0145	.0268	-.0023
#2	.3297	-.0091	.0074	.0136	.0157	.0436	-.0010
#3	.3351	-.0049	-.0101	-.0048	-.0166	.0122	-.0036
#4	.3373	.0058	.0116	.0026	.0327	-.0010	-.0023
#5	.3600	-.0018	-.0061	.0170	-.0021	.0160	.0015

Elem	Zn2138
Units	ppm
Avge	.0468
SDev	.0007
%RSD	1.415
#1	.0475
#2	.0462
#3	.0476
#4	.0462
#5	.0468

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10957	--	--	--	--	--	--
SDev	57.71881	--	--	--	--	--	--
%RSD	.5267891	--	--	--	--	--	--
#1	10921	--	--	--	--	--	--
#2	10908	--	--	--	--	--	--
#3	11008	--	--	--	--	--	--
#4	10917	--	--	--	--	--	--
#5	11031	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0846105C Operator: DQ
Run Time: 08/15/95 16:18:15
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0889	.0063	.0143	-.0005	27.77	.0014
SDev	.0025	.0128	.0177	.0007	.0003	.06	.0016
%RSD	593.9	14.40	283.4	4.894	57.32	.2234	114.4
#1	.0031	.0947	.0177	.0153	.0000	27.73	.0018
#2	.0012	.1014	.0023	.0143	-.0006	27.81	-.0001
#3	-.0018	.0912	.0235	.0146	-.0006	27.73	.0018
#4	-.0018	.0674	-.0220	.0136	-.0006	27.72	.0037
#5	-.0028	.0899	.0098	.0138	-.0006	27.86	-.0001

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0002	.1241	.4445	2.233	4.097	.1179
SDev	.0011	.0013	.0025	.0019	.561	.020	.0010
%RSD	108.6	610.0	1.989	.4397	25.11	.4799	.8765
#1	.0025	.0014	.1275	.4460	3.096	4.086	.1185
#2	.0006	-.0009	.1240	.4423	2.397	4.093	.1174
#3	.0015	.0002	.1254	.4427	2.190	4.123	.1192
#4	.0006	.0002	.1225	.4451	1.737	4.073	.1165
#5	-.0003	-.0020	.1212	.4466	1.745	4.109	.1179

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.201	-.0013	.0595	.0104	.0162	.0344	.0013
SDev	.013	.0067	.0114	.0138	.0266	.0076	.0019
%RSD	.1773	535.1	19.24	132.3	164.7	22.00	146.4
#1	7.193	.0036	.0618	.0338	.0343	.0231	.0016
#2	7.188	.0015	.0663	.0119	.0270	.0377	.0041
#3	7.219	-.0123	.0700	.0009	-.0032	.0364	.0016
#4	7.210	-.0028	.0405	.0009	-.0200	.0432	-.0010
#5	7.197	.0037	.0588	.0047	.0427	.0315	.0003

Elem	Zn2138

Units	ppm
Avge	.0644
SDev	.0011
%RSD	1.704
#1	.0630
#2	.0638
#3	.0648
#4	.0648
#5	.0658

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10952	--	--	--	--	--	--
SDev	50.70385	--	--	--	--	--	--
%RSD	.4629440	--	--	--	--	--	--
#1	10970	--	--	--	--	--	--
#2	10950	--	--	--	--	--	--
#3	10985	--	--	--	--	--	--
#4	10991	--	--	--	--	--	--
#5	10866	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 846105CS Operator: [illegible]
Run Time: 08/15/95 16:22:19
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9812	1.077	2.006	.9968	.9962	38.47	.9634
SDev	.0034	.015	.024	.0009	.0016	.12	.0081
%RSD	.3453	1.357	1.208	.0876	.1660	.3073	.8410
#1	.9851	1.090	2.027	.9982	.9986	38.54	.9702
#2	.9791	1.091	1.986	.9961	.9970	38.58	.9680
#3	.9818	1.076	2.026	.9965	.9953	38.55	.9697
#4	.9766	1.056	1.975	.9971	.9943	38.30	.9542
#5	.9832	1.071	2.017	.9962	.9961	38.41	.9550

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9686	.9845	1.110	1.427	11.44	14.17	1.093
SDev	.0027	.0063	.004	.004	.14	.03	.002
%RSD	.2747	.6434	.3349	.3113	1.267	.2146	.2076
#1	.9709	.9884	1.114	1.432	11.49	14.14	1.094
#2	.9693	.9901	1.109	1.430	11.66	14.17	1.096
#3	.9706	.9874	1.104	1.427	11.33	14.17	1.094
#4	.9680	.9820	1.111	1.425	11.29	14.16	1.090
#5	.9644	.9746	1.112	1.420	11.43	14.22	1.094

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	16.84	.9709	1.006	1.968	1.978	1.958	.9379
SDev	.02	.0163	.010	.022	.021	.077	.0036
%RSD	.1293	1.680	1.031	1.112	1.056	3.956	.3818
#1	16.83	.9768	1.004	1.993	1.977	1.823	.9363
#2	16.80	.9911	1.014	1.936	1.988	1.995	.9435
#3	16.84	.9710	1.020	1.972	1.980	1.970	.9376
#4	16.86	.9694	.9987	1.980	2.000	1.991	.9337
#5	16.85	.9460	.9955	1.957	1.944	2.014	.9382

Elem	Zn2138
Units	ppm
Avge	1.048
SDev	.004
%RSD	.4028
#1	1.050
#2	1.047
#3	1.054
#4	1.044
#5	1.044

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11108	--	--	--	--	--	--
SDev	102.4003	--	--	--	--	--	--
%RSD	.9218709	--	--	--	--	--	--
#1	10952	--	--	--	--	--	--
#2	11107	--	--	--	--	--	--
#3	11087	--	--	--	--	--	--
#4	11223	--	--	--	--	--	--
#5	11170	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 846105CK Operator: DQ
Run Time: 08/15/95 16:26:36
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9567	1.060	1.928	.9796	1.000	36.18	.9409
SDev	.0048	.012	.015	.0023	.001	.20	.0100
%RSD	.5006	1.118	.7884	.2391	.1063	.5435	1.064
#1	.9533	1.048	1.928	.9826	.9998	36.01	.9386
#2	.9525	1.048	1.913	.9813	.9993	36.00	.9388
#3	.9548	1.061	1.944	.9791	1.001	36.15	.9275
#4	.9592	1.066	1.912	.9783	.9990	36.31	.9444
#5	.9639	1.076	1.941	.9767	1.001	36.45	.9550

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9486	1.166	1.098	2.104	11.15	13.75	1.103

SDev	.0054	.006	.002	.009	.14	.02	.003
%RSD	.5647	.5092	.1553	.4271	1.282	.1745	.3137
#1	.9432	1.166	1.101	2.096	11.31	13.75	1.099
#2	.9429	1.161	1.097	2.098	11.16	13.74	1.100
#3	.9547	1.162	1.097	2.103	10.99	13.73	1.103
#4	.9499	1.164	1.098	2.105	11.02	13.78	1.104
#5	.9524	1.176	1.097	2.119	11.26	13.77	1.107

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.37	1.055	.9913	1.914	1.925	1.988	.9220
SDev	.03	.012	.0101	.004	.034	.075	.0023
%RSD	.1775	1.134	1.015	.1911	1.765	3.772	.2477
#1	16.39	1.039	1.002	1.916	1.967	1.860	.9194
#2	16.40	1.067	.9910	1.911	1.873	2.023	.9218
#3	16.35	1.048	.9937	1.916	1.918	1.987	.9240
#4	16.33	1.065	.9951	1.918	1.933	2.051	.9203
#5	16.37	1.054	.9748	1.910	1.933	2.019	.9247

Elem	Zn2138
Units	ppm
Avge	.9937
SDev	.0091
%RSD	.9112
#1	.9818
#2	.9902
#3	.9948
#4	.9948
#5	1.007

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10875	--	--	--	--	--	--
SDev	65.59932	--	--	--	--	--	--
%RSD	.6032299	--	--	--	--	--	--
#1	10801	--	--	--	--	--	--
#2	10957	--	--	--	--	--	--
#3	10886	--	--	--	--	--	--
#4	10914	--	--	--	--	--	--
#5	10816	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0848801C Operator: DQ
Run Time: 08/15/95 16:30:58
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0156	-.0072	.3790	.0006	540.6	.0024
SDev	.0012	.0193	.0265	.0008	.0000	1.6	.0027

%RSD	140.4	123.9	370.9	.2070	.5173	.2987	109.4
#1	.0002	.0121	.0186	.3800	.0006	538.7	.0041
#2	.0023	-.0099	-.0265	.3795	.0006	539.1	-.0000
#3	.0013	.0319	.0219	.3790	.0006	541.8	.0020
#4	.0013	.0063	-.0124	.3780	.0006	542.3	-.0000
#5	-.0008	.0373	-.0373	.3786	.0006	541.2	.0061

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0003	.0028	-.0216	1.500	161.7	1.773
SDev	.0018	.0011	.0013	.0011	.279	.3	.004
%RSD	15.73	422.7	48.36	5.281	18.56	.2039	.2122
#1	.0122	.0008	.0014	-.0226	1.218	161.7	1.772
#2	.0125	-.0017	.0033	-.0216	1.824	161.5	1.769
#3	.0121	.0007	.0044	-.0226	1.515	161.5	1.772
#4	.0082	.0008	.0035	-.0198	1.722	162.3	1.779
#5	.0116	.0007	.0013	-.0216	1.224	161.5	1.775

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	595.8	.0146	.0094	.0218	-.0083	.2879	.0025
SDev	1.3	.0078	.0026	.0051	.0265	.0226	.0016
%RSD	.2201	53.23	28.18	23.29	318.4	7.847	62.50
#1	598.1	.0228	.0079	.0188	.0332	.2996	.0031
#2	595.5	.0146	.0072	.0263	-.0384	.3088	.0003
#3	594.8	.0080	.0119	.0147	-.0078	.2725	.0017
#4	595.5	.0217	.0125	.0266	-.0069	.3025	.0044
#5	595.3	.0057	.0073	.0224	-.0218	.2560	.0030

Elem	Zn2138
Units	ppm
Avge	.0029
SDev	.0007
%RSD	25.50
#1	.0023
#2	.0036
#3	.0037
#4	.0024
#5	.0022

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10319	--	--	--	--	--	--
SDev	47.96779	--	--	--	--	--	--
%RSD	.4648546	--	--	--	--	--	--
#1	10276	--	--	--	--	--	--
#2	10368	--	--	--	--	--	--
#3	10334	--	--	--	--	--	--
#4	10261	--	--	--	--	--	--

#5	10355	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0848802C Operator: DQ
Run Time: 08/15/95 16:35:18
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0444	.2922	.6405	.0045	508.3	.0051
SDev	.0019	.0060	.0126	.0018	.0006	1.6	.0033
%RSD	158.9	13.57	4.310	.2728	13.05	.3151	65.00
#1	.0028	.0464	.2793	.6432	.0054	507.4	.0047
#2	.0005	.0377	.2882	.6403	.0040	508.6	.0069
#3	.0016	.0415	.2828	.6404	.0040	506.2	.0091
#4	-.0018	.0426	.3016	.6404	.0047	509.0	.0002
#5	.0028	.0536	.3089	.6383	.0046	510.4	.0046

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	2.125	.0099	-.0067	4.454	181.6	.4280
SDev	.0030	.007	.0017	.0017	.483	.4	.0017
%RSD	33.18	.3334	17.34	25.68	10.84	.2316	.3873
#1	.0113	2.128	.0125	-.0080	4.751	181.6	.4257
#2	.0068	2.129	.0102	-.0038	4.735	181.7	.4279
#3	.0079	2.117	.0089	-.0069	4.019	180.9	.4270
#4	.0063	2.116	.0079	-.0070	3.851	181.6	.4299
#5	.0132	2.131	.0100	-.0081	4.915	182.1	.4291

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2899.	.0167	.0230	.0383	-.0045	.3449	.6707
SDev	41.	.0100	.0186	.0162	.0243	.0070	.0028
%RSD	1.412	59.88	81.10	42.28	543.5	2.033	.4135
#1	2940.	.0313	.0159	.0558	-.0275	.3506	.6749
#2	2899.	.0039	.0451	.0214	-.0187	.3351	.6719
#3	2914.	.0136	-.0048	.0339	-.0196	.3527	.6680
#4	2912.	.0199	.0298	.0255	.0182	.3440	.6686
#5	2831.	.0148	.0291	.0548	.0253	.3421	.6703

Elem	Zn2138
Units	ppm
Avge	.0368
SDev	.0017
%RSD	4.666
#1	.0376
#2	.0359
#3	.0363
#4	.0349
#5	.0394

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9432	--	--	--	--	--	--
SDev	59.11420	--	--	--	--	--	--
%RSD	.6267248	--	--	--	--	--	--
#1	9353	--	--	--	--	--	
#2	9395	--	--	--	--	--	--
#3	9470	--	--	--	--	--	--
#4	9441	--	--	--	--	--	--
#5	9502	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSAF815 Operator: DQ
Run Time: 08/15/95 16:40:56
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0055	500.1	.1205	.0017	.0000	484.1	-.0032
SDev	.0027	1.0	.0770	.0009	.0004	2.5	.0055
%RSD	48.97	.1905	63.91	53.74	1469.	.5253	170.0
#1	-.0018	499.8	.0802	.0030	.0000	486.5	-.0002
#2	-.0043	498.6	.1977	.0023	-.0005	483.2	.0036
#3	-.0073	500.4	.1476	.0009	.0006	480.8	-.0077
#4	-.0052	501.1	.0068	.0010	.0000	486.9	-.0021
#5	-.0088	500.4	.1702	.0013	.0000	483.2	-.0097
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	-.0075	.0028	176.6	.0922	505.2	.0180
SDev	.0022	.0021	.0023	.6	.4158	1.5	.0010
%RSD	26.66	28.17	82.43	.3235	450.9	.2923	5.823
#1	.0098	-.0063	.0046	177.2	.5336	506.7	.0189
#2	.0056	-.0075	.0046	176.4	.0287	503.6	.0184
#3	.0083	-.0076	-.0001	175.9	-.0256	503.9	.0169
#4	.0104	-.0052	.0044	177.1	.4338	506.7	.0170
#5	.0061	-.0108	.0007	176.2	-.5094	504.9	.0190
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1467	-.0064	.0041	-.1099	.0629	.1797	.0023
SDev	.0257	.0078	.0348	.0093	.0451	.0140	.0017
%RSD	17.50	120.5	844.9	8.445	71.73	7.763	75.32

#1	.1849	-.0144	.0486	-.1234	.1099	.1663	.0030
#2	.1545	-.0040	.0273	-.1021	.0508	.2032	.0043
#3	.1471	-.0144	-.0407	-.1137	-.0084	.1741	.0005
#4	.1289	-.0028	-.0116	-.1096	.0767	.1789	.0030
#5	.1184	.0034	-.0031	-.1006	.0854	.1761	.0004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138
Units	ppm
Avge	.0158
SDev	.0014
%RSD	8.497
#1	.0165
#2	.0170
#3	.0144
#4	.0170
#5	.0143
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11126	--	--	--	--	--	--
SDev	96.58538	--	--	--	--	--	
%RSD	.8680708	--	--	--	--	--	
#1	11083	--	--	--	--	--	--
#2	11212	--	--	--	--	--	--
#3	11230	--	--	--	--	--	--
#4	10996	--	--	--	--	--	--
#5	11111	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSABF15 Operator: DQ
Run Time: 08/15/95 16:44:59
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9518	500.4	.0841	.4756	.4674	486.1	.9236
SDev	.0026	.7	.0594	.0009	.0005	1.1	.0105
%RSD	.2683	.1477	70.61	.1910	.1107	.2212	1.140
#1	.9490	499.9	.1545	.4767	.4668	486.2	.9330
#2	.9516	499.5	.0197	.4760	.4671	485.1	.9064
#3	.9520	500.5	.1370	.4759	.4671	484.9	.9243
#4	.9506	500.7	.0705	.4744	.4678	487.4	.9231

#5	.9559	501.4	.0390	.4750	.4680	486.7	.9312
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0		.5000	.5000	500.0	1.000
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4481	.4460	.4861	176.2	.1377	505.5	.4691
SDev	.0030	.0021	.0027	.2	.1217	.8	.0027
%RSD	.6720	.4745	.5548	.1407	88.33	.1619	.5782
#1	.4486	.4482	.4843	176.0	.2848	505.6	.4720
#2	.4441	.4432	.4844	176.0	-.0150	504.9	.4665
#3	.4462	.4444	.4903	176.0	.0456	504.5	.4664
#4	.4494	.4464	.4843	176.5	.1644	506.3	.4688
#5	.4520	.4477	.4873	176.4	.2089	506.3	.4717
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0972	.8805	.9431	-.1155	.0746	.1892	.4645
SDev	.0122	.0167	.0067	.0375	.0350	.0216	.0006
%RSD	12.51	1.898	.7090	32.47	46.89	11.41	.1253
#1	.1059	.9021	.9501	-.0665	.1144	.2094	.4655
#2	.1121	.8610	.9465	-.0978	.0208	.1666	.4641
#3	.0964	.8929	.9326	-.1076	.0892	.1715	.4641
#4	.0820	.8714	.9451	-.1466	.0840	.1844	.4644
#5	.0893	.8750	.9410	-.1589	.0643	.2139	.4646
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		1.000	1.000				.5000
Range		20.00	20.00				20.00

Elem	Zn2138
Units	ppm
Avge	.9461
SDev	.0033
%RSD	.3447
#1	.9493
#2	.9412
#3	.9456
#4	.9489
#5	.9452
Errors	QC Pass
Value	1.000
Range	20.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10950	--	--	--	--	--	--
SDev	59.78838	--	--	--	--	--	--
%RSD	.5460266	--	--	--	--	--	--
#1	10957	--	--	--	--	--	--
#2	11021	--	--	--	--	--	--
#3	10992	--	--	--	--	--	--
#4	10892	--	--	--	--	--	--
#5	10887	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV60815 Operator: DQ
Run Time: 08/15/95 16:49:02
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9938	4.838	5.057	4.800	5.030	5.038	4.953
SDev	.0031	.017	.034	.009	.008	.031	.024
%RSD	.3089	.3511	.6812	.1775	.1633	.6172	.4869
#1	.9967	4.857	5.013	4.808	5.033	5.053	4.976
#2	.9952	4.843	5.082	4.790	5.034	5.075	4.971
#3	.9897	4.827	5.026	4.805	5.017	4.999	4.927
#4	.9959	4.848	5.080	4.792	5.038	5.052	4.965
#5	.9913	4.815	5.083	4.807	5.026	5.013	4.928
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.935	4.979	4.901	4.862	23.25	4.888	4.902
SDev	.020	.019	.007	.012	.16	.022	.013
%RSD	.4001	.3876	.1512	.2407	.6742	.4442	.2729
#1	4.938	4.987	4.910	4.853	23.42	4.922	4.906
#2	4.958	5.006	4.893	4.871	23.24	4.890	4.917
#3	4.903	4.956	4.896	4.851	23.26	4.863	4.883
#4	4.939	4.983	4.908	4.877	23.00	4.882	4.910
#5	4.934	4.966	4.900	4.856	23.31	4.884	4.895
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.729	4.953	4.990	4.922	4.989	5.130	4.939
SDev	.015	.017	.051	.035	.046	.075	.010
%RSD	.3155	.3405	1.022	.7116	.9230	1.469	.1990
#1	4.737	4.937	4.998	4.896	4.923	5.033	4.946

#2	4.727	4.981	5.030	4.910	4.981	5.157	4.949
#3	4.726	4.949	4.906	4.904	4.988	5.124	4.927
#4	4.707	4.947	5.031	4.983	5.002	5.237	4.943
#5	4.747	4.948	4.986	4.917	5.051	5.098	4.929

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.972
SDev	.021
%RSD	.4194

#1	4.978
#2	4.992
#3	4.940
#4	4.987
#5	4.963

Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11368	--	--	--	--	--	--
SDev	76.85939	--	--	--	--	--	--
%RSD	.6761030	--	--	--	--	--	--
#1	11387	--	--	--	--	--	--
#2	11306	--	--	--	--	--	--
#3	11466	--	--	--	--	--	--
#4	11276	--	--	--	--	--	--
#5	11405	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB60815 Operator: DQ
Run Time: 08/15/95 16:53:05
Comment: 200.7
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0104	-.0087	-.0001	-.0003	-.0201	.0016
SDev	.0016	.0072	.0166	.0006	.0003	.0057	.0019
%RSD	190.6	69.32	190.0	439.9	109.2	28.52	112.5
#1	.0009	-.0054	.0015	.0006	.0001	-.0302	.0035
#2	-.0020	-.0152	-.0346	-.0007	-.0005	-.0183	.0035
#3	-.0020	-.0009	-.0042	-.0007	-.0005	-.0163	-.0002
#4	.0009	-.0122	.0078	.0003	-.0005	-.0172	-.0002
#5	-.0020	-.0186	-.0142	-.0001	.0001	-.0182	.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0020	-.0000	-.0002	-.2169	.0037	.0003
SDev	.0013	.0009	.0015	.0028	.3961	.0132	.0004
%RSD	7610.	45.54	8508.	1248.	182.6	355.7	121.8
#1	-.0003	-.0011	.0013	-.0018	-.0057	.0140	.0008
#2	-.0017	-.0012	-.0006	-.0018	-.4421	.0037	-.0001
#3	-.0003	-.0022	-.0024	-.0027	-.7214	-.0067	-.0000
#4	.0019	-.0022	.0004	.0043	.3100	.0192	.0004
#5	.0005	-.0033	.0012	.0008	-.2253	-.0117	.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0779	-.0007	-.0015	.0205	.0159	.0292	.0007
SDev	.0160	.0052	.0090	.0115	.0107	.0175	.0019
%RSD	20.49	757.7	592.7	56.27	67.44	59.75	272.8
#1	.0924	.0050	-.0040	.0374	.0180	.0337	.0014
#2	.0767	-.0012	-.0042	.0232	.0228	.0455	.0002
#3	.0547	.0031	-.0118	.0057	.0144	.0065	-.0023
#4	.0934	-.0021	.0128	.0199	.0261	.0447	.0027
#5	.0725	-.0083	-.0003	.0161	-.0015	.0158	.0014

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0008
SDev	.0009
%RSD	118.6
#1	.0003
#2	.0008
#3	.0004
#4	.0023
#5	.0001

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	11371	--	--	--	--	--	--
SDev	57.47922	--	--	--	--	--	--
%RSD	.5054736	--	--	--	--	--	--
#1	11371	--	--	--	--	--	--
#2	11418	--	--	--	--	--	--
#3	11317	--	--	--	--	--	--
#4	11312	--	--	--	--	--	--
#5	11439	--	--	--	--	--	--

QUALITY CONTROL

DOCUMENTATION

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPL Contract:

Lab Code: Case No.: 9508401 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 1ST STAGE EFFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	500	0	540	108	61-145
Trichloroethene	500	0	480	96	71-120
Benzene	500	220	700	96	76-127
Toluene	500	0	490	98	76-125
Chlorobenzene	500	180	660	96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500	580	116	7	14	61-145
Trichloroethene	500	500	100	4	14	71-120
Benzene	500	730	102	6	11	76-127
Toluene	500	510	102	4	13	76-125
Chlorobenzene	500	680	100	4	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

for Idelis Williams, QC Office

SPL Blank QC Report

Matrix: Aqueous
Sample ID: VBLK
Batch: L950811104646

Reported on: 08/16/95 16:50
Analyzed on: 08/11/95 22:47
Analyst: JC

METHOD 8240 L223B02

Compound	Result	Detection Limit	Units
Chloromethane	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Bromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Trichlorofluoromethane	ND	5	ug/L
Acetone	ND	100	ug/L
1,1-Dichloroethene	ND	5	ug/L
Methylene Chloride	ND	5	ug/L
Carbon Disulfide	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,2-Dichloroethene (total)	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
2-Butanone	ND	20	ug/L
Chloroform	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
2-Chloroethylvinylether	ND	10	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Xylene (Total)	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
Bromoform	ND	5	ug/L

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

Matrix: Aqueous
Sample ID: VBLK
Batch: L950811104646

Reported on: 08/16/95 16:50
Analyzed on: 08/11/95 22:47
Analyst: JC

METHOD 8240 L223B02

Compound	Result	Detection Limit	Units
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L

Surrogate	Result	QC Criteria	Units
1,2-Dichloroethane-d4	99	76-114	% Recovery
Toluene-d8	99	88-110	% Recovery
Bromofluorobenzene	98	86-115	% Recovery

Samples in Batch 9508461-05 9508461-06

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

Data File: /chem/l.i/l950811.b/l223b02.d
Report Date: 14-Aug-1995 12:12

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950811.b/l223b02.d
Lab Smp Id: VBLK
Inj Date : 11-AUG-1995 22:47
Operator : JC Inst ID: l.i
Smp Info : VBLK-8240W/1X
Misc Info : L223W2//L223CW2
Comment :
Method : /chem/l.i/l950811.b/lvoclpw.m
Meth Date : 14-Aug-1995 12:11 jimmy Quant Type: ISTD
Cal Date : 11-AUG-1995 22:19 Cal File: l223cw2.d
Als bottle: 33 QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	23 Bromochloromethane	128.00	5.183	5.173	(1.000)	66551	250	
$	26 1,2-Dichloroethane-d4	102.00	5.958	5.957	(1.150)	25231	250	50
*	32 1,4-Difluorobenzene	114.00	6.894	6.893	(1.000)	340254	250	
$	43 Toluene-d8	98.00	9.114	9.113	(0.824)	355174	250	50
*	50 Chlorobenzene-d5	117.00	11.066	11.065	(1.000)	262252	250	
$	61 Bromofluorobenzene	95.00	12.742	12.741	(1.151)	122968	240	49

Data File: /chem/l.i/l950811.b/l223b02.d
Report Date: 14-Aug-1995 12:12

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l223b02.d
Lab Smp Id: VBLK
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950811.b/lvoclpw.m
Misc Info: L223W2//L223CW2

Calibration Date: 08/11/95
Calibration Time: 2219

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	65730	32865	131460	66551	1.25
32 1,4-Difluorobenzene	338626	169313	677252	340254	0.48
50 Chlorobenzene-d5	263618	131809	527236	262252	-0.52

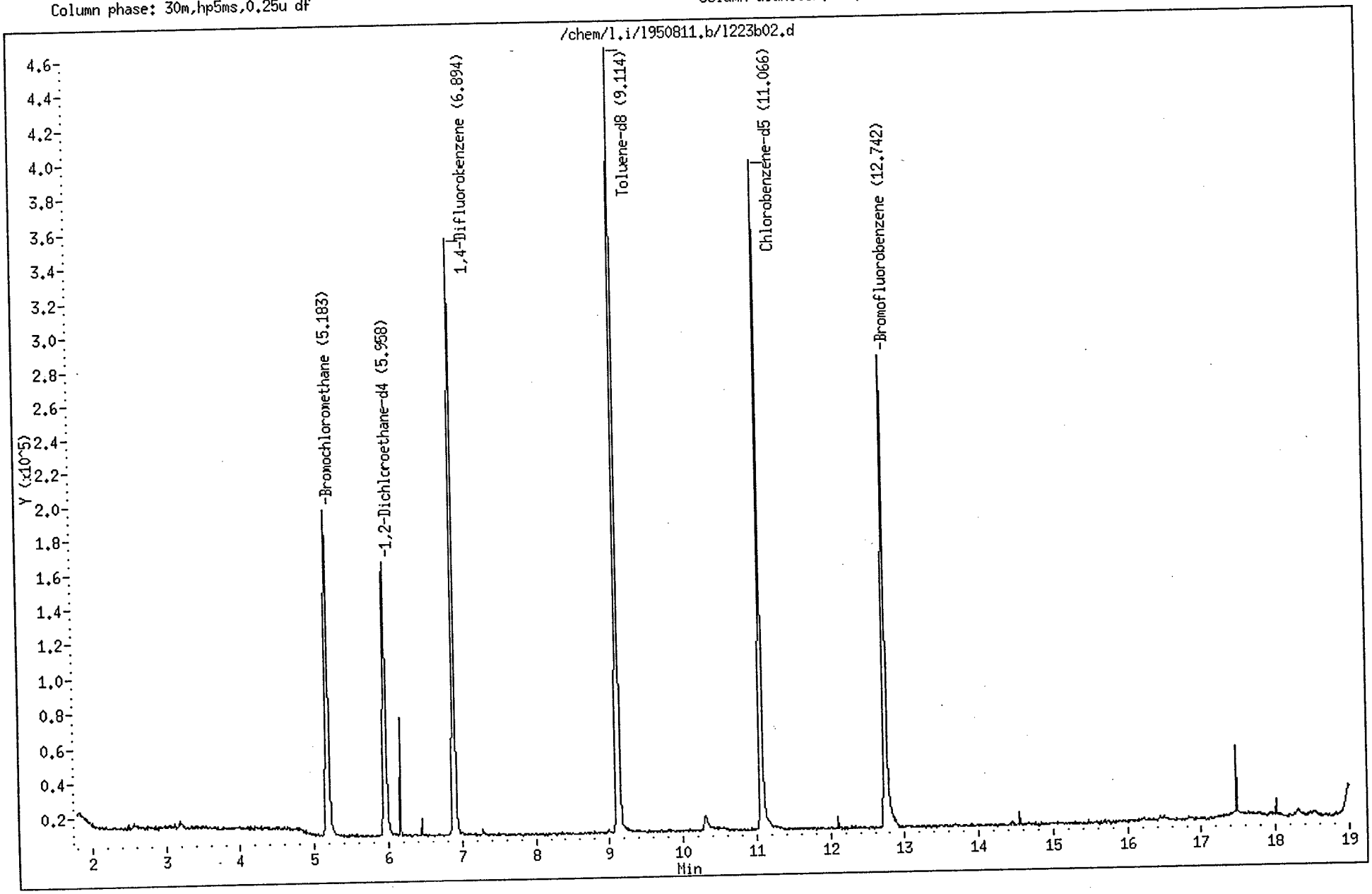
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.17	4.67	5.67	5.18	0.19
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	0.02
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950811.b/1223b02.d
Date : 11-AUG-1995 22:47
Client ID:
Sample Info: VBLK-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/1950811.b/1223bf4.d

Date : 11-AUG-95 21:51

Client ID:

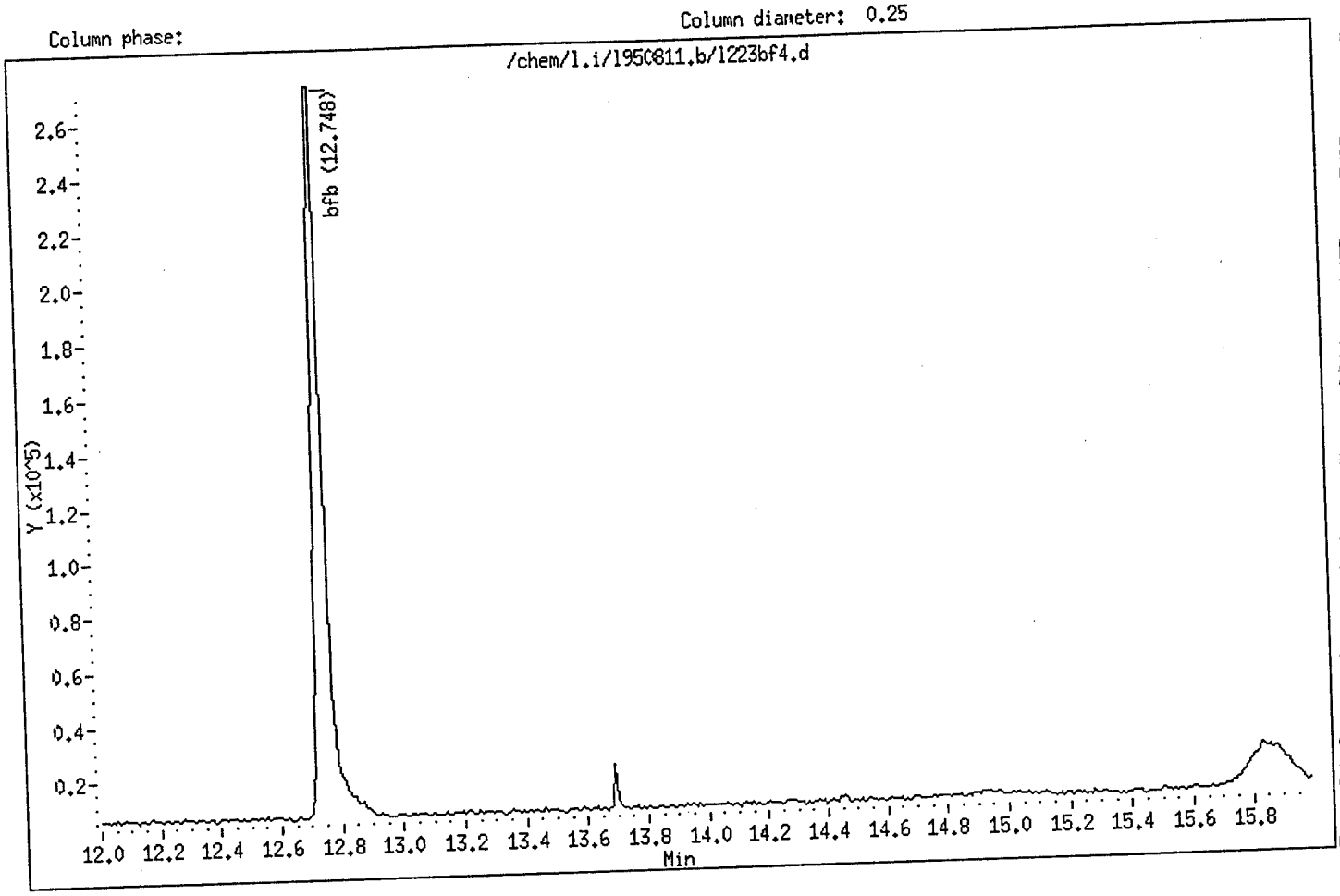
Sample Info: 250 NG BFB

Instrument: l.i

Operator:

Column phase:

Column diameter: 0.25



Data File: /chem/l.i/1950811.b/1223bf4.d

Date : 11-AUG-95 21:51

Client ID:

Sample Info: 250 NG BFB

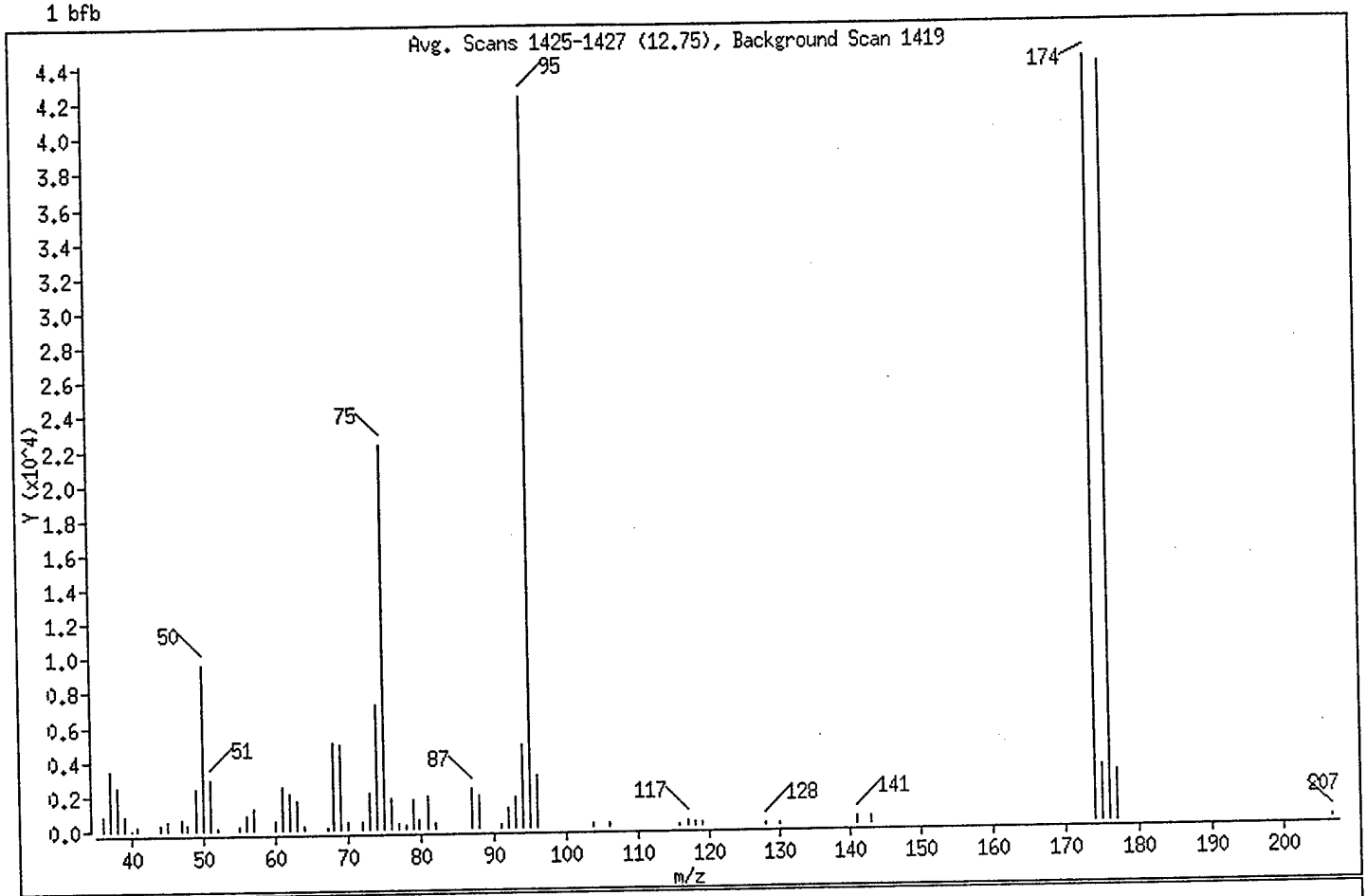
Instrument: l.i

Operator:

Column phase:

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.88
75	30.00 - 60.00% of mass 95	52.71
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	104.77
175	5.00 - 9.00% of mass 174	7.79 (7.43)
176	95.00 - 101.00% of mass 174	104.09 (99.36)
177	5.00 - 9.00% of mass 176	6.90 (6.63)

Data File: /chem/1.i/1950811.b/1223bf4.d

Date : 11-AUG-95 21:51

Client ID:

Instrument: 1.i

Sample Info: 250 NG BFB

Operator:

Column phase:

Column diameter: 0.25

Data File: 1223bf4.d
Spectrum : Avg. Scans 1425-1427 (12.75), Background Scan 1419
Largest m/z: 173.95
Number of peaks: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	817	56.95	1251	77.85	211	116.85	275
37.05	3419	59.95	557	78.85	1668	117.85	169
37.95	2557	60.95	2477	79.75	485	118.95	173
39.05	801	61.95	2137	80.85	1831	127.80	84
39.95	9	62.95	1662	81.85	338	130.00	72
40.75	229	63.90	209	86.90	2273	140.85	442
44.00	296	67.10	86	87.90	1917	142.95	403
45.00	525	68.00	5050	91.00	257	173.95	44216
46.90	596	69.00	4927	91.90	1170	174.95	3286
47.80	356	70.00	451	92.90	1827	175.95	43936
49.00	2365	71.90	376	94.05	4847	176.95	2912
50.00	9658	73.00	2111	94.95	42208	206.90	82
51.00	2967	74.05	7261	96.05	3039		
52.00	67	74.95	22248	103.80	213		
54.95	205	75.95	1775	106.00	163		
55.95	888	76.95	364	115.75	77		

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-JUN-1995 09:16
End Cal Date : 24-JUN-1995 11:08
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/l.i/l950624.b/lvoclpw.m
Cal Date : 24-Jun-1995 19:47 jimmy
Curve Type : Average

Calibration File Names:
Level 1: /chem/l.i/l950624.b/l175iw1.d
Level 2: /chem/l.i/l950624.b/l175iw2.d
Level 3: /chem/l.i/l950624.b/l175iw3.d
Level 4: /chem/l.i/l950624.b/l175iw4.d
Level 5: /chem/l.i/l950624.b/l175iw5.d

Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	RRF	% RSD
1 Chloromethane	2.80949	2.73665	2.67023	2.52390	2.57799	2.66365	4.342
2 Vinyl Chloride	2.26802	2.22934	2.04411	1.75570	1.67058	1.99355	13.608
3 Bromomethane	1.73893	1.45531	1.40859	1.38861	1.41679	1.48165	9.844
4 Chloroethane	1.20774	1.25380	1.20102	1.20541	1.25877	1.22535	2.318
7 Trichlorofluoromethane	1.27406	1.47727	1.64236	1.70329	1.93012	1.60542	15.340
8 Acetone	0.26454	0.27245	0.31702	0.31468	0.46807	0.32735	25.110
11 1,1-Dichloroethene	1.18432	1.24099	1.25397	1.25082	1.29548	1.24512	3.203
13 Methylene Chloride	1.57849	1.59994	1.56013	1.55345	1.61982	1.58237	1.747
14 Carbon Disulfide	5.27058	5.51081	5.37667	5.38960	5.65444	5.44042	2.699
15 trans-1,2-Dichloroethene	1.29657	1.34968	1.38510	1.37027	1.43079	1.36648	3.598
17 1,1-Dichloroethane	2.92809	3.13304	3.00232	2.97399	3.14889	3.03726	3.242
18 1,2-Dichloroethene (total)	1.56867	1.59075	1.63864	1.60862	1.68310	1.61796	2.752
19 Vinyl Acetate	4.77580	4.75465	4.29459	4.43857	4.32797	4.51831	5.129
20 2-Butanone	1.85345	1.99999	2.17612	2.18809	2.76719	2.19697	15.808
21 cis-1,2-Dichloroethene	1.84076	1.83182	1.89219	1.84697	1.93542	1.86943	2.334
24 Chloroform	3.10440	3.25095	3.17952	3.16932	3.27471	3.19578	2.133
27 1,1,1-Trichloroethane	0.43411	0.46766	0.46256	0.46085	0.47002	0.45904	3.142
28 1,2-Dichloroethane	3.00952	3.03902	3.03004	3.05610	3.14812	3.05656	1.762
30 Benzene	1.34695	1.46991	1.45850	1.44484	1.44799	1.43364	3.449
31 Carbon Tetrachloride	0.30587	0.33838	0.33174	0.33000	0.34037	0.32927	4.187
34 1,2-Dichloropropane	0.37893	0.41403	0.40360	0.40109	0.41027	0.40158	3.405
35 Trichloroethene	0.29811	0.32036	0.32834	0.33015	0.32883	0.32116	4.186
37 Bromodichloromethane	0.40130	0.42510	0.43584	0.43469	0.44616	0.42862	3.965
39 2-Chloroethylvinylether	0.12235	0.13409	0.14862	0.17317	0.18423	0.15249	17.029
40 4-Methyl-2-Pentanone	0.42744	0.50176	0.50369	0.56321	0.64207	0.52763	15.175
41 cis-1,3-Dichloropropene	0.46974	0.51725	0.54036	0.55166	0.56636	0.52908	7.127
42 trans-1,3-Dichloropropene	0.40629	0.43174	0.46236	0.49217	0.50664	0.45984	9.032

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 24-JUN-1995 09:16
End Cal Date : 24-JUN-1995 11:08
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/l.i/l950624.b/lvoclpw.m
Cal Date : 24-Jun-1995 19:47 jimmy
Curve Type : Average

	Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	RRF	% RSD
	44 Toluene	0.97229	0.97817	0.97731	0.95141	0.95428	0.96669	1.332
	45 1,1,2-Trichloroethane	0.24777	0.27032	0.27607	0.27619	0.27756	0.26958	4.639
	46 2-Hexanone	0.29633	0.31396	0.44700	0.54824	0.75585	0.47227	40.014
	47 Dibromochloromethane	0.24780	0.26590	0.27832	0.29211	0.30323	0.27747	7.840
	49 Tetrachloroethene	0.34223	0.33914	0.34875	0.34284	0.34397	0.34339	1.017
	52 Chlorobenzene	0.94515	0.95375	0.98603	0.98333	0.98822	0.97130	2.085
M	53 Xylene (Total)	0.53001	0.55872	0.57172	0.58381	0.59338	0.56753	4.348
	54 Ethylbenzene	0.41498	0.46047	0.46986	0.47890	0.49296	0.46344	6.391
	55 m,p-Xylene(s)	0.53611	0.55843	0.56800	0.58598	0.59448	0.56860	4.059
	56 Bromoform	0.20797	0.21902	0.23045	0.24487	0.25573	0.23161	8.295
	57 Styrene	0.71933	0.76744	0.84356	0.88587	0.96777	0.83680	11.681
	59 o-Xylene	0.51780	0.55931	0.57914	0.57947	0.59118	0.56538	5.122
	60 1,1,2,2-Tetrachloroethane	0.49308	0.49717	0.48482	0.52680	0.50601	0.50157	3.197
$	26 1,2-Dichloroethane-d4	0.41683	0.38895	0.39068	0.39964	0.41120	0.40146	3.069
$	43 Toluene-d8	1.36756	1.37267	1.33704	1.32067	1.33015	1.34562	1.722
$	61 Bromofluorobenzene	0.38884	0.40279	0.44076	0.47585	0.49627	0.44090	10.425

Data File: /chem/l.i/l950624.b/l175iw1.d
Report Date: 24-Jun-1995 11:53

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950624.b/l175iw1.d
Lab Smp Id: VLSTD010
Inj Date : 24-JUN-1995 09:16 Inst ID: l.i
Operator : JC
Smp Info : VLSTD010-8240W/1X
Misc Info : L175W1//L175IW3
Comment :
Method : /chem/l.i/l950624.b/lvoclpw.m
Meth Date : 24-Jun-1995 11:53 jimmy Quant Type: ISTD
Cal Date : 24-JUN-1995 10:12 Cal File: l175iw3.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1 Chloromethane	50.00	1.750	1.750	(0.336)	18596	50	53
2 Vinyl Chloride	62.00	1.866	1.866	(0.358)	15012	50	57
3 Bromomethane	94.00	2.106	2.106	(0.404)	11510	50	59
4 Chloroethane	64.00	2.187	2.187	(0.420)	7994	50	49
7 Trichlorofluoromethane	101.00	2.525	2.525	(0.485)	8433	50	40
8 Acetone	58.00	2.588	2.588	(0.497)	1751	50	40
11 1,1-Dichloroethene	96.00	2.980	2.980	(0.572)	7839	50	48
13 Methylene Chloride	84.00	3.229	3.229	(0.620)	10448	50	50
M 18 1,2-Dichloroethene (total)	96.00				20766	100	97
14 Carbon Disulfide	76.00	3.336	3.336	(0.641)	34886	50	48
15 trans-1,2-Dichloroethene	96.00	3.809	3.809	(0.731)	8582	50	47
17 1,1-Dichloroethane	63.00	4.148	4.148	(0.796)	19381	50	48
19 Vinyl Acetate	43.00	4.246	4.246	(0.815)	31611	50	53
20 2-Butanone	43.00	4.611	4.611	(0.885)	12268	50	42
21 cis-1,2-Dichloroethene	96.00	4.941	4.941	(0.949)	12184	50	49
24 Chloroform	83.00	5.226	5.226	(1.003)	20548	50	48
27 1,1,1-Trichloroethane	97.00	6.020	6.020	(0.870)	15229	50	47
28 1,2-Dichloroethane	62.00	6.100	6.100	(1.171)	19920	50	49
30 Benzene	78.00	6.456	6.456	(0.933)	47252	50	47
31 Carbon Tetrachloride	117.00	6.483	6.483	(0.937)	10730	50	46
34 1,2-Dichloropropane	63.00	7.446	7.446	(1.076)	13293	50	47
35 Trichloroethene	130.00	7.473	7.473	(1.080)	10458	50	46
37 Bromodichloromethane	83.00	7.669	7.669	(1.108)	14078	50	47
39 2-Chloroethylvinylether	63.00	8.275	8.275	(1.196)	4292	50	40
40 4-Methyl-2-Pentanone	43.00	8.507	8.507	(1.229)	14995	50	40
41 cis-1,3-Dichloropropene	75.00	8.533	8.533	(1.233)	16479	50	44
42 trans-1,3-Dichloropropene	75.00	9.166	9.166	(1.325)	14253	50	44
44 Toluene	92.00	9.246	9.246	(0.833)	24615	50	50
45 1,1,2-Trichloroethane	83.00	9.336	9.336	(1.349)	8692	50	46

Data File: /chem/l.i/l950624.b/l175iw1.d
Report Date: 24-Jun-1995 11:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.710	9.710	(0.875)	7502	50	31
	47 Dibromochloromethane	129.00	9.960	9.960	(1.439)	8693	50	45
	49 Tetrachloroethene	164.00	10.298	10.298	(0.928)	8664	50	50
	52 Chlorobenzene	112.00	11.145	11.145	(1.004)	23928	50	49
M	53 Xylene (Total)	106.00				40254	150	140
	54 Ethylbenzene	106.00	11.448	11.448	(1.031)	10506	50	45
	55 m,p-Xylene(s)	106.00	11.609	11.609	(1.046)	27145	100	94
	56 Bromoform	173.00	12.028	12.028	(1.083)	5265	50	45
	57 Styrene	104.00	12.081	12.081	(1.088)	18211	50	43
	59 o-Xylene	106.00	12.134	12.134	(1.093)	13109	50	46
	60 1,1,2,2-Tetrachloroethane	83.00	12.482	12.482	(1.124)	12483	50	49
*	23 Bromochloromethane	128.00	5.208	5.208	(1.000)	33095	250	
*	32 1,4-Difluorobenzene	114.00	6.920	6.920	(1.000)	175404	250	
*	50 Chlorobenzene-d5	117.00	11.100	11.100	(1.000)	126583	250	
$	26 1,2-Dichloroethane-d4	102.00	5.975	5.975	(1.147)	2759	50	52
$	43 Toluene-d8	98.00	9.148	9.148	(0.824)	34622	50	51
$	61 Bromofluorobenzene	95.00	12.767	12.767	(1.150)	9844	50	44

Data File: /chem/l.i/1950624.b/l175iw1.d
Report Date: 24-Jun-1995 11:53

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l175iw1.d
Lab Smp Id: VLSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/1950624.b/lvoclpw.m
Misc Info: L175W1//L175IW3

Calibration Date: 06/24/95
Calibration Time: 1012

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	34051	17026	68102	33095	-2.81
32 1,4-Difluorobenzene	174296	87148	348592	175404	0.64
50 Chlorobenzene-d5	135944	67972	271888	126583	-6.89

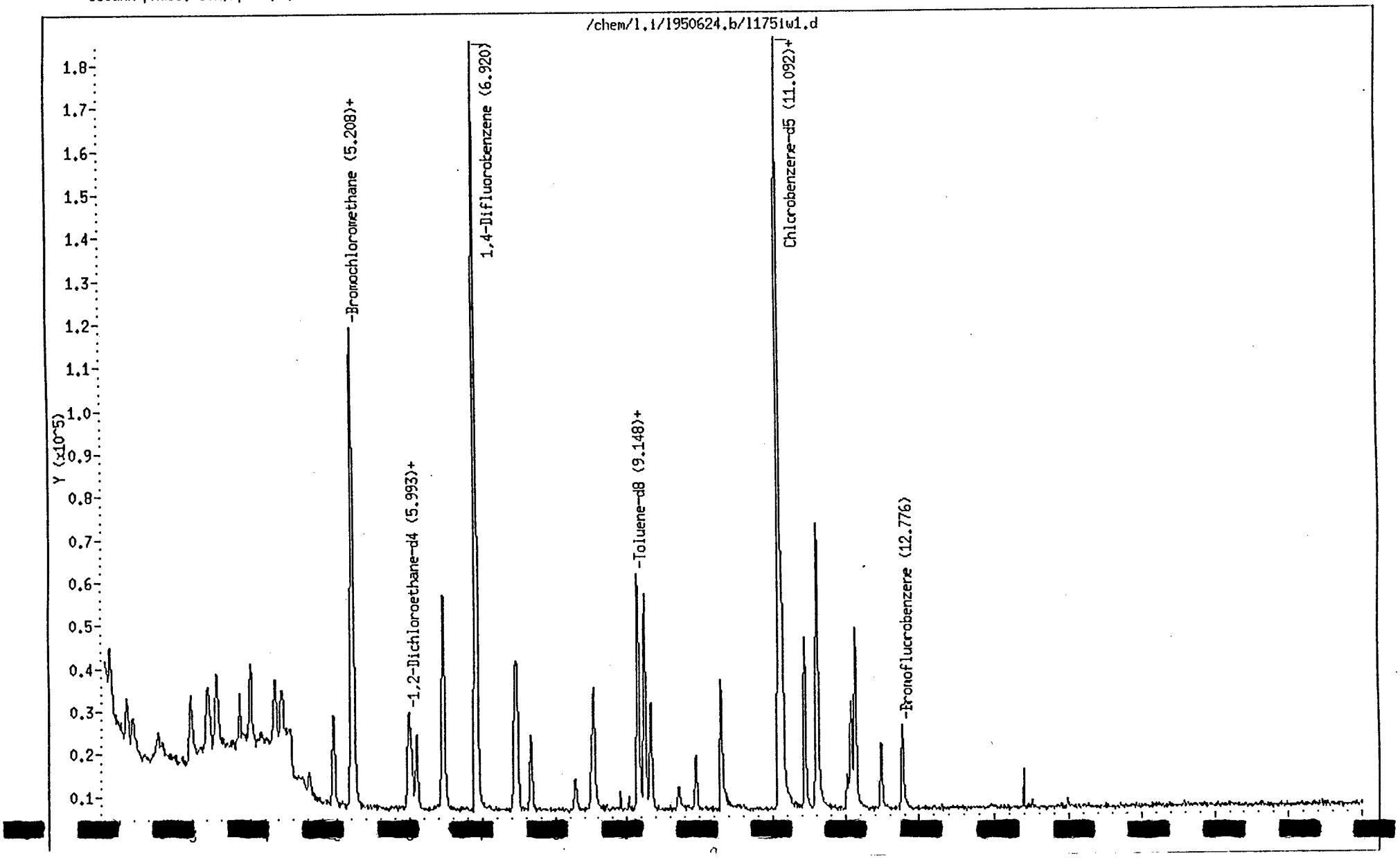
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.22	4.72	5.72	5.21	-0.13
32 1,4-Difluorobenzene	6.93	6.43	7.43	6.92	-0.10
50 Chlorobenzene-d5	11.10	10.60	11.60	11.10	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950624.b/1175iw1.d
Date : 24-JUN-1995 09:16
Client ID:
Sample Info: VLSTD010-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950624.b/l175iw2.d
Report Date: 24-Jun-1995 11:54

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950624.b/l175iw2.d
Lab Smp Id: VLSTD020
Inj Date : 24-JUN-1995 09:44
Operator : JC Inst ID: l.i
Smp Info : VLSTD020-8240W/1X
Misc Info : L175W1//L175IW3
Comment :
Method : /chem/l.i/l950624.b/lvoclpw.m
Meth Date : 24-Jun-1995 11:54 jimmy Quant Type: ISTD
Cal Date : 24-JUN-1995 10:12 Cal File: l175iw3.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1	Chloromethane	50.00	1.758	1.758	(0.338)	36763	100	100
2	Vinyl Chloride	62.00	1.865	1.865	(0.358)	29948	100	110
3	Bromomethane	94.00	2.097	2.097	(0.403)	19550	100	98
4	Chloroethane	64.00	2.177	2.177	(0.418)	16843	100	100
7	Trichlorofluoromethane	101.00	2.525	2.525	(0.485)	19845	100	92
8	Acetone	58.00	2.587	2.587	(0.497)	3660	100	83
11	1,1-Dichloroethene	96.00	2.980	2.980	(0.572)	16671	100	100
13	Methylene Chloride	84.00	3.211	3.211	(0.617)	21493	100	100
M 18	1,2-Dichloroethene (total)	96.00				42739	200	200
14	Carbon Disulfide	76.00	3.336	3.336	(0.641)	74030	100	100
15	trans-1,2-Dichloroethene	96.00	3.809	3.809	(0.731)	18131	100	99
17	1,1-Dichloroethane	63.00	4.147	4.147	(0.796)	42088	100	100
19	Vinyl Acetate	43.00	4.237	4.237	(0.813)	63872	100	100
20	2-Butanone	43.00	4.611	4.611	(0.885)	26867	100	91
21	cis-1,2-Dichloroethene	96.00	4.941	4.941	(0.949)	24608	100	98
24	Chloroform	83.00	5.226	5.226	(1.003)	43672	100	100
27	1,1,1-Trichloroethane	97.00	6.010	6.010	(0.869)	32139	100	100
28	1,2-Dichloroethane	62.00	6.091	6.091	(1.169)	40825	100	99
30	Benzene	78.00	6.456	6.456	(0.933)	101016	100	100
31	Carbon Tetrachloride	117.00	6.483	6.483	(0.937)	23254	100	100
34	1,2-Dichloropropane	63.00	7.446	7.446	(1.076)	28453	100	100
35	Trichloroethene	130.00	7.472	7.472	(1.080)	22016	100	100
37	Bromodichloromethane	83.00	7.668	7.668	(1.108)	29214	100	99
39	2-Chloroethylvinylether	63.00	8.275	8.275	(1.196)	9215	100	88
40	4-Methyl-2-Pentanone	43.00	8.497	8.497	(1.228)	34482	100	95
41	cis-1,3-Dichloropropene	75.00	8.533	8.533	(1.233)	35547	100	98
42	trans-1,3-Dichloropropene	75.00	9.166	9.166	(1.325)	29670	100	94
44	Toluene	92.00	9.246	9.246	(0.834)	51302	100	100
45	1,1,2-Trichloroethane	83.00	9.326	9.326	(1.348)	18577	100	100

Data File: /chem/l.i/l950624.b/l175iw2.d
Report Date: 24-Jun-1995 11:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.710	9.710	(0.875)	16466	100	66
	47 Dibromochloromethane	129.00	9.959	9.959	(1.439)	18273	100	96
	49 Tetrachloroethene	164.00	10.298	10.298	(0.928)	17787	100	99
	52 Chlorobenzene	112.00	11.145	11.145	(1.005)	50021	100	98
M	53 Xylene (Total)	106.00				87910	300	300
	54 Ethylbenzene	106.00	11.448	11.448	(1.032)	24150	100	99
	55 m,p-Xylene(s)	106.00	11.608	11.608	(1.047)	58576	200	200
	56 Bromoform	173.00	12.027	12.027	(1.084)	11487	100	94
	57 Styrene	104.00	12.081	12.081	(1.089)	40250	100	92
	59 o-Xylene	106.00	12.134	12.134	(1.094)	29334	100	99
	60 1,1,2,2-Tetrachloroethane	83.00	12.482	12.482	(1.125)	26075	100	99
*	23 Bromochloromethane	128.00	5.208	5.208	(1.000)	33584	250	
*	32 1,4-Difluorobenzene	114.00	6.920	6.920	(1.000)	171806	250	
*	50 Chlorobenzene-d5	117.00	11.091	11.091	(1.000)	131117	250	
$	26 1,2-Dichloroethane-d4	102.00	5.984	5.984	(1.149)	5225	100	97
$	43 Toluene-d8	98.00	9.148	9.148	(0.825)	71992	100	100
$	61 Bromofluorobenzene	95.00	12.776	12.776	(1.152)	21125	100	91

Data File: /chem/l.i/l950624.b/l175iw2.d
Report Date: 24-Jun-1995 11:54

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l175iw2.d
Lab Smp Id: VLSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950624.b/lvoclpw.m
Misc Info: L175W1//L175IW3

Calibration Date: 06/24/95
Calibration Time: 1012

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	34051	17026	68102	33584	-1.37
32 1,4-Difluorobenzene	174296	87148	348592	171806	-1.43
50 Chlorobenzene-d5	135944	67972	271888	131117	-3.55

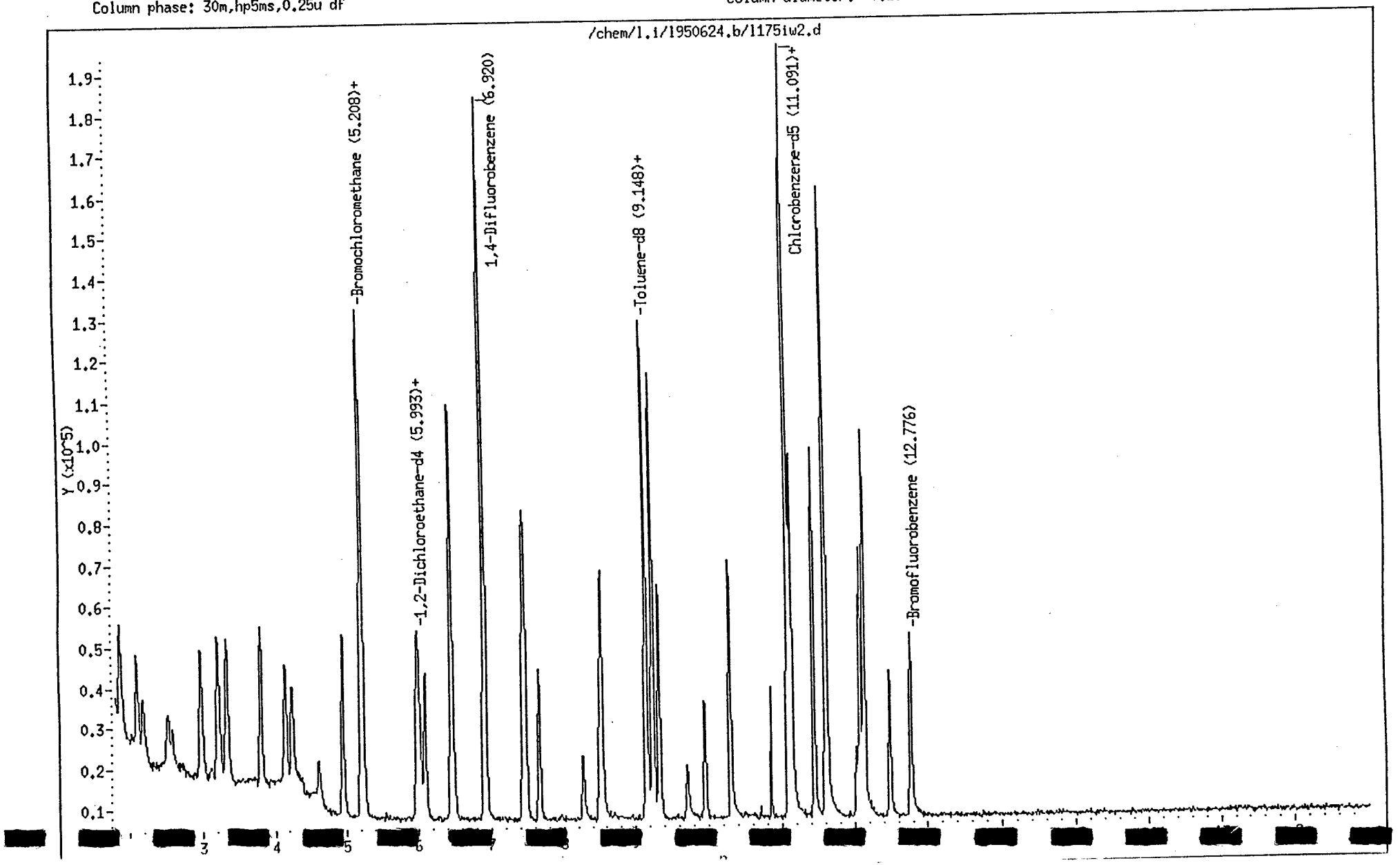
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.22	4.72	5.72	5.21	-0.13
32 1,4-Difluorobenzene	6.93	6.43	7.43	6.92	-0.10
50 Chlorobenzene-d5	11.10	10.60	11.60	11.09	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950624.b/1175iw2.d
Date : 24-JUN-1995 09:44
Client ID:
Sample Info: VLSTD020-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950624.b/l175iw3.d
Report Date: 24-Jun-1995 15:02

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950624.b/l175iw3.d
Lab Smp Id: VLSTD050
Inj Date : 24-JUN-1995 10:12
Operator : JC
Smp Info : VLSTD050-8240W/1X
Misc Info : L175W1//L175IW3
Comment :
Method : /chem/l.i/l950624.b/lvoclpw.m
Meth Date : 24-Jun-1995 15:02 jimmy
Cal Date : 24-JUN-1995 10:12
Vials bottle: 6
Dil Factor: 1.000
Integrator: HP RTE
Target Version: 3.10

Inst ID: l.i

Quant Type: ISTD
Cal File: l175iw3.d
Continuing Calibration Sample

Compound Sublist: normal.sub

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	==========	====	==	======	======	========	=======	=======
1	Chloromethane	50.00	1.765	1.765	(0.339)	90924	250	250
2	Vinyl Chloride	62.00	1.872	1.872	(0.359)	69604	250	260
3	Bromomethane	94.00	2.104	2.104	(0.403)	47964	250	240
4	Chloroethane	64.00	2.184	2.184	(0.419)	40896	250	240
7	Trichlorofluoromethane	101.00	2.541	2.541	(0.487)	55924	250	260
8	Acetone	58.00	2.594	2.594	(0.497)	10795	250	240
11	1,1-Dichloroethene	96.00	2.987	2.987	(0.573)	42699	250	250
13	Methylene Chloride	84.00	3.227	3.227	(0.619)	53124	250	250
M 18	1,2-Dichloroethene (total)	96.00				111595	500	510
14	Carbon Disulfide	76.00	3.343	3.343	(0.641)	183081	250	250
15	trans-1,2-Dichloroethene	96.00	3.816	3.816	(0.732)	47164	250	250
17	1,1-Dichloroethane	63.00	4.154	4.154	(0.797)	102232	250	250
19	Vinyl Acetate	43.00	4.252	4.252	(0.815)	146235	250	240
20	2-Butanone	43.00	4.618	4.618	(0.885)	74099	250	250
21	cis-1,2-Dichloroethene	96.00	4.957	4.957	(0.950)	64431	250	250
24	Chloroform	83.00	5.233	5.233	(1.003)	108266	250	250
27	1,1,1-Trichloroethane	97.00	6.017	6.017	(0.869)	80623	250	250
28	1,2-Dichloroethane	62.00	6.098	6.098	(1.169)	103176	250	250
30	Benzene	78.00	6.463	6.463	(0.933)	254210	250	250
31	Carbon Tetrachloride	117.00	6.490	6.490	(0.937)	57821	250	250
34	1,2-Dichloropropane	63.00	7.452	7.452	(1.076)	70346	250	250
35	Trichloroethene	130.00	7.479	7.479	(1.080)	57228	250	260
37	Bromodichloromethane	83.00	7.675	7.675	(1.108)	75966	250	250
39	2-Chloroethylvinylether	63.00	8.281	8.281	(1.196)	25904	250	240
40	4-Methyl-2-Pentanone	43.00	8.504	8.504	(1.228)	87792	250	240
41	cis-1,3-Dichloropropene	75.00	8.540	8.540	(1.233)	94182	250	260
42	trans-1,3-Dichloropropene	75.00	9.164	9.164	(1.323)	80587	250	250
44	Toluene	92.00	9.244	9.244	(0.833)	132859	250	250
45	1,1,2-Trichloroethane	83.00	9.333	9.333	(1.347)	48118	250	260

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.708	9.708	(0.875)	60767	250	240
	47 Dibromochloromethane	129.00	9.957	9.957	(1.438)	48510	250	250
	49 Tetrachloroethene	164.00	10.305	10.305	(0.929)	47411	250	250
	52 Chlorobenzene	112.00	11.143	11.143	(1.004)	134045	250	250
M	53 Xylene (Total)	106.00				233164	750	760
	54 Ethylbenzene	106.00	11.446	11.446	(1.031)	63875	250	250
	55 m,p-Xylene(s)	106.00	11.615	11.615	(1.047)	154433	500	500
	56 Bromoform	173.00	12.034	12.034	(1.084)	31328	250	250
	57 Styrene	104.00	12.079	12.079	(1.088)	114677	250	250
	59 o-Xylene	106.00	12.132	12.132	(1.093)	78731	250	260
	60 1,1,2,2-Tetrachloroethane	83.00	12.480	12.480	(1.124)	65908	250	240
*	23 Bromochloromethane	128.00	5.215	5.215	(1.000)	34051	250	
*	32 1,4-Difluorobenzene	114.00	6.927	6.927	(1.000)	174296	250	
*	50 Chlorobenzene-d5	117.00	11.098	11.098	(1.000)	135944	250	
$	26 1,2-Dichloroethane-d4	102.00	5.991	5.991	(1.149)	13303	250	240
$	43 Toluene-d8	98.00	9.146	9.146	(0.824)	181763	250	250
$	61 Bromofluorobenzene	95.00	12.774	12.774	(1.151)	59919	250	250

Data File: /chem/l.i/l950624.b/l175iw3.d
Report Date: 24-Jun-1995 11:54

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l175iw3.d
Lab Smp Id: VLSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950624.b/lvoclpw.m
Misc Info: L175W1//L175IW3

Calibration Date: 06/24/95
Calibration Time: 1012

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	34051	17026	68102	34051	0.00
22 1,4-Difluorobenzene	174296	87148	348592	174296	0.00
50 Chlorobenzene-d5	135944	67972	271888	135944	0.00

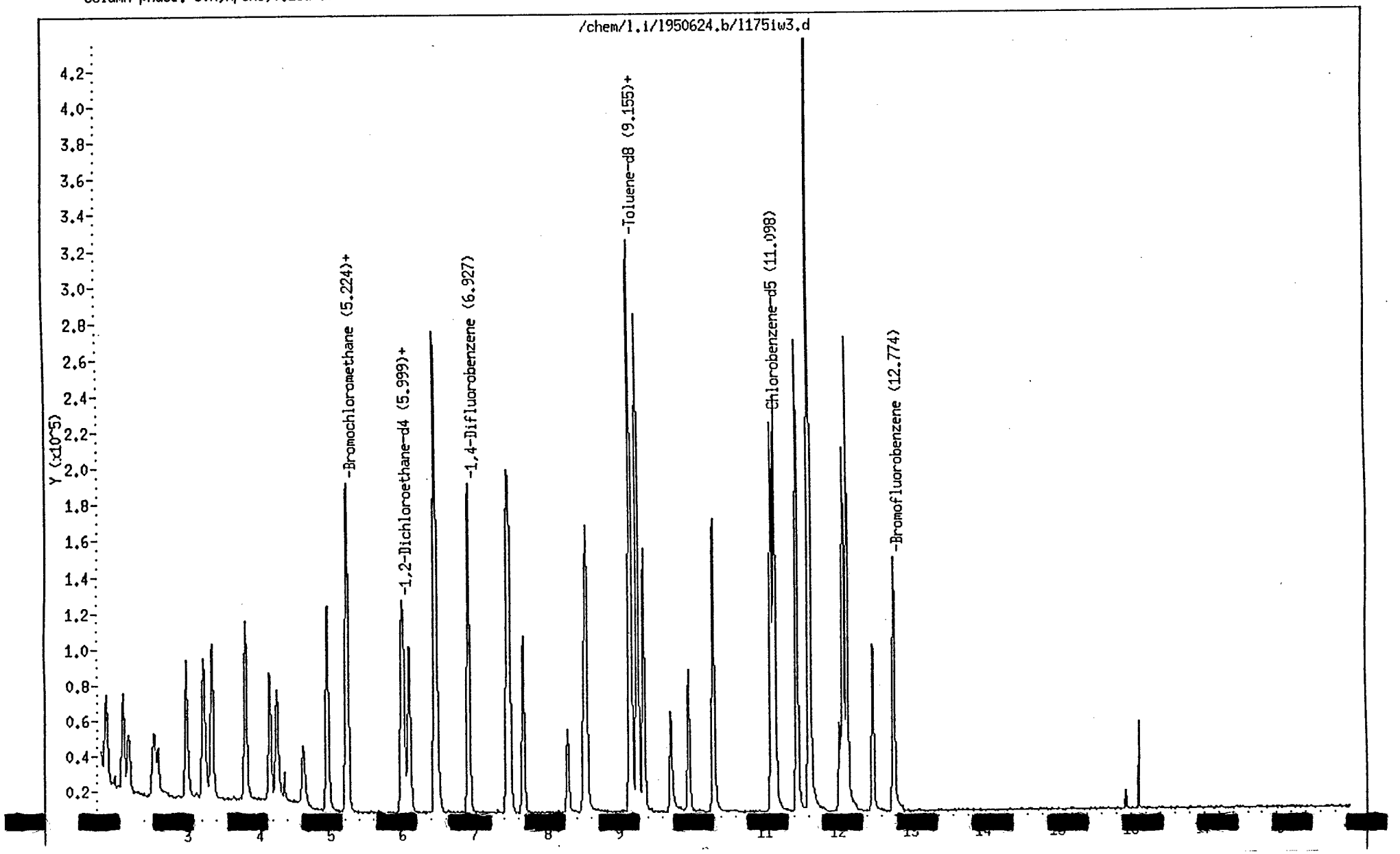
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.22	4.72	5.72	5.22	0.00
22 1,4-Difluorobenzene	6.93	6.43	7.43	6.93	0.00
50 Chlorobenzene-d5	11.10	10.60	11.60	11.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950624.b/11751w3.d
Date : 24-JUN-1995 10:12
Client ID:
Sample Info: VLSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950624.b/l175iw4.d
Report Date: 24-Jun-1995 11:54

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950624.b/l175iw4.d
Lab Smp Id: VLSTD100
Inj Date : 24-JUN-1995 10:40 Inst ID: l.i
Operator : JC
Smp Info : VLSTD100-8240W/1X
Misc Info : L175W1//L175IW3
Comment :
Method : /chem/l.i/l950624.b/lvoclpw.m
Meth Date : 24-Jun-1995 11:54 jimmy Quant Type: ISTD
Cal Date : 24-JUN-1995 10:12 Cal File: l175iw3.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1 Chloromethane	50.00	1.768	1.768	(0.339)	170782	500	470
2 Vinyl Chloride	62.00	1.875	1.875	(0.359)	118801	500	440
3 Bromomethane	94.00	2.107	2.107	(0.404)	93962	500	470
4 Chloroethane	64.00	2.178	2.178	(0.417)	81565	500	490
7 Trichlorofluoromethane	101.00	2.535	2.535	(0.486)	115255	500	530
8 Acetone	58.00	2.597	2.597	(0.498)	21293	500	480
11 1,1-Dichloroethene	96.00	2.989	2.989	(0.573)	84638	500	500
13 Methylene Chloride	84.00	3.230	3.230	(0.619)	105116	500	490
M 18 1,2-Dichloroethene (total)	96.00				217698	1000	990
14 Carbon Disulfide	76.00	3.346	3.346	(0.641)	364693	500	500
15 trans-1,2-Dichloroethene	96.00	3.809	3.809	(0.730)	92721	500	500
17 1,1-Dichlorcethane	63.00	4.148	4.148	(0.795)	201238	500	490
19 Vinyl Acetate	43.00	4.246	4.246	(0.814)	300340	500	490
20 2-Butanone	43.00	4.612	4.612	(0.884)	148059	500	500
21 cis-1,2-Dichloroethene	96.00	4.950	4.950	(0.949)	124977	500	490
24 Chloroform	83.00	5.236	5.236	(1.003)	214455	500	500
27 1,1,1-Trichloroethane	97.00	6.020	6.020	(0.870)	159180	500	500
28 1,2-Dichloroethane	62.00	6.100	6.100	(1.169)	206794	500	500
30 Benzene	78.00	6.466	6.466	(0.934)	499059	500	500
31 Carbon Tetrachloride	117.00	6.484	6.484	(0.937)	113983	500	500
34 1,2-Dichloropropane	63.00	7.446	7.446	(1.076)	138538	500	500
35 Trichloroethene	130.00	7.482	7.482	(1.081)	114037	500	510
37 Bromodichloromethane	83.00	7.669	7.669	(1.108)	150147	500	510
39 2-Chloroethylvinylether	63.00	8.275	8.275	(1.196)	59813	500	570
40 4-Methyl-2-Pentanone	43.00	8.498	8.498	(1.228)	194536	500	530
41 cis-1,3-Dichloropropene	75.00	8.534	8.534	(1.233)	190548	500	520
42 trans-1,3-Dichloropropene	75.00	9.167	9.167	(1.325)	170000	500	540
44 Toluene	92.00	9.247	9.247	(0.833)	261523	500	490
45 1,1,2-Trichloroethane	83.00	9.327	9.327	(1.348)	95399	500	510

Data File: /chem/l.i/l950624.b/l175iw4.d
Report Date: 24-Jun-1995 11:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.702	9.702	(0.874)	150700	500	580
	47 Dibromochloromethane	129.00	9.960	9.960	(1.439)	100897	500	530
	49 Tetrachloroethene	164.00	10.299	10.299	(0.928)	94240	500	500
	52 Chlorobenzene	112.00	11.146	11.146	(1.004)	270297	500	510
M	53 Xylene (Total)	106.00				481434	1500	1500
	54 Ethylbenzene	106.00	11.440	11.440	(1.030)	131641	500	520
	55 m,p-Xylene(s)	106.00	11.609	11.609	(1.046)	322149	1000	1000
	56 Bromoform	173.00	12.028	12.028	(1.083)	67309	500	530
	57 Styrene	104.00	12.073	12.073	(1.088)	243509	500	530
	59 o-Xylene	106.00	12.135	12.135	(1.093)	159285	500	510
	60 1,1,2,2-Tetrachloroethane	83.00	12.483	12.483	(1.124)	144808	500	520
*	23 Bromochloromethane	128.00	5.218	5.218	(1.000)	33833	250	
*	32 1,4-Difluorobenzene	114.00	6.920	6.920	(1.000)	172704	250	
*	50 Chlorobenzene-d5	117.00	11.101	11.101	(1.000)	137440	250	
$	26 1,2-Dichloroethane-d4	102.00	5.993	5.993	(1.149)	27042	500	500
$	43 Toluene-d8	98.00	9.149	9.149	(0.824)	363025	500	490
$	61 Bromofluorobenzene	95.00	12.768	12.768	(1.150)	130802	500	540

a File: /chem/l.i/l950624.b/l175iw4.d
ort Date: 24-Jun-1995 11:54

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

trument ID: l.i
File ID: l175iw4.d
ab Smp Id: VLSTD100
alysis Type: VOA
nt Type: ISTD
erator: JC
ethod File: /chem/l.i/l950624.b/lvoclpw.m
c Info: L175W1//L175IW3

Calibration Date: 06/24/95
Calibration Time: 1012

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	34051	17026	68102	33833	-0.64
32 1,4-Difluorobenzene	174296	87148	348592	172704	-0.91
0 Chlorobenzene-d5	135944	67972	271888	137440	1.10

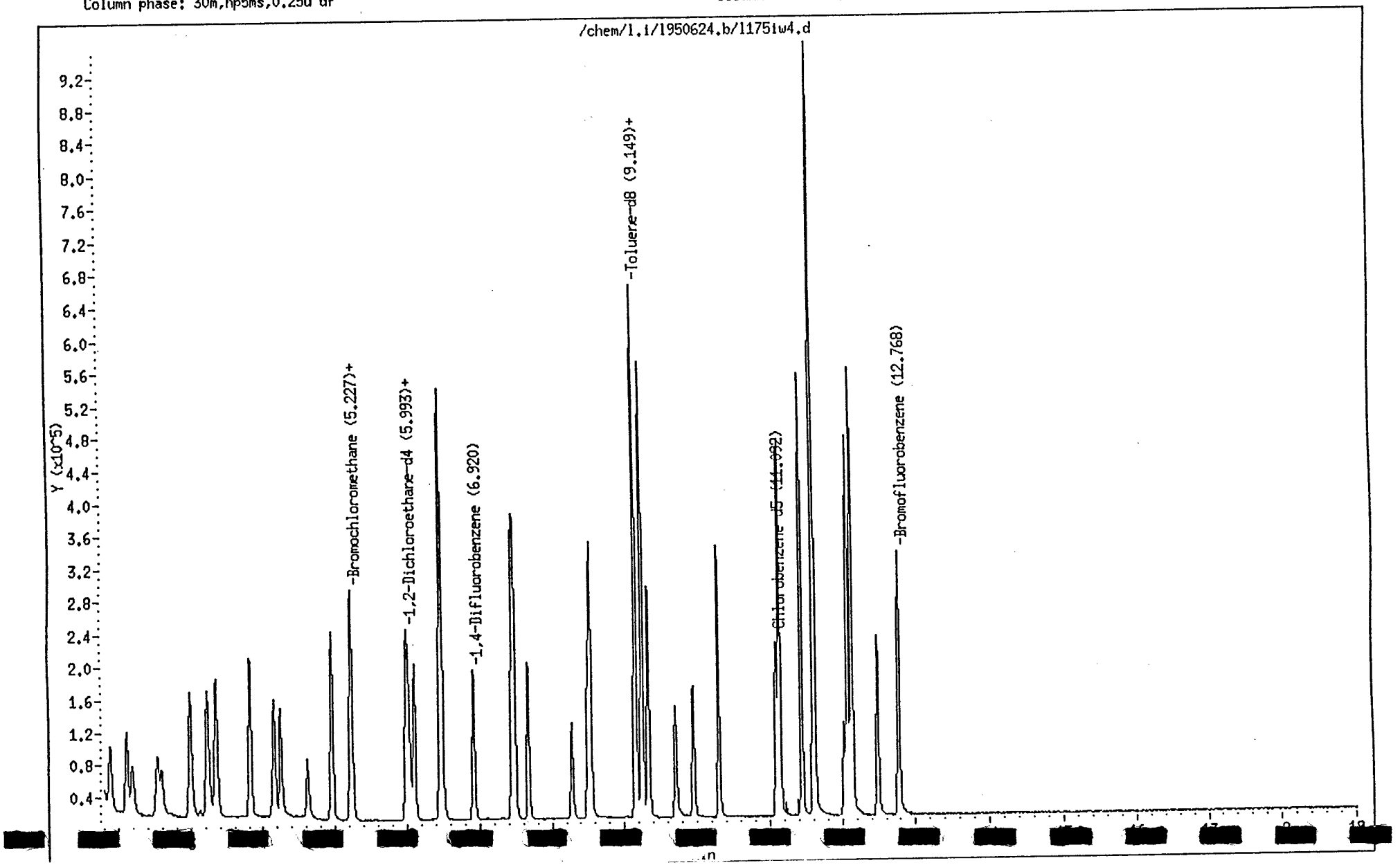
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
3 Bromochloromethane	5.22	4.72	5.72	5.22	0.05
2 1,4-Difluorobenzene	6.93	6.43	7.43	6.92	-0.09
50 Chlorobenzene-d5	11.10	10.60	11.60	11.10	0.03

EA UPPER LIMIT = +100% of internal standard area.
EA LOWER LIMIT = - 50% of internal standard area.
T UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950624.b/1175iw4.d
Date : 24-JUN-1995 10:40
Client ID:
Sample Info: VLSTD100-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950624.b/l175iw5.d
Report Date: 24-Jun-1995 11:54

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950624.b/l175iw5.d
Lab Smp Id: VLSTD200
Inj Date : 24-JUN-1995 11:08 Inst ID: l.i
Operator : JC
Smp Info : VLSTD200-8240W/1X
Misc Info : L175W1//L175IW3
Comment :
Method : /chem/l.i/l950624.b/lvoclpw.m
Meth Date : 24-Jun-1995 11:54 jimmy Quant Type: ISTD
Cal Date : 24-JUN-1995 10:12 Cal File: l175iw3.d
Aux bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1	Chloromethane	50.00	1.759	1.759	(0.338)	333004	1000	970
2	Vinyl Chloride	62.00	1.866	1.866	(0.359)	215792	1000	840
3	Bromomethane	94.00	2.098	2.098	(0.403)	183010	1000	960
4	Chloroethane	64.00	2.169	2.169	(0.417)	162598	1000	1000
7	Trichlorofluoromethane	101.00	2.526	2.526	(0.486)	249317	1000	1200
8	Acetone	58.00	2.579	2.579	(0.496)	60461	1000	1400
11	1,1-Dichloroethene	96.00	2.972	2.972	(0.571)	167340	1000	1000
13	Methylene Chloride	84.00	3.212	3.212	(0.618)	209236	1000	1000
M 18	1,2-Dichloroethene (total)	96.00				434820	2000	2100
14	Carbon Disulfide	76.00	3.328	3.328	(0.640)	730395	1000	1000
15	trans-1,2-Dichloroethene	96.00	3.801	3.801	(0.731)	184818	1000	1000
17	1,1-Dichloroethane	63.00	4.139	4.139	(0.796)	406748	1000	1000
19	Vinyl Acetate	43.00	4.229	4.229	(0.813)	559053	1000	960
20	2-Butanone	43.00	4.594	4.594	(0.883)	357443	1000	1200
21	cis-1,2-Dichloroethene	96.00	4.942	4.942	(0.950)	250002	1000	1000
24	Chloroform	83.00	5.218	5.218	(1.003)	423001	1000	1000
27	1,1,1-Trichloroethane	97.00	6.011	6.011	(0.870)	318551	1000	1000
28	1,2-Dichloroethane	62.00	6.092	6.092	(1.171)	406649	1000	1000
30	Benzene	78.00	6.457	6.457	(0.934)	981363	1000	1000
31	Carbon Tetrachloride	117.00	6.484	6.484	(0.938)	230679	1000	1000
34	1,2-Dichloropropane	63.00	7.446	7.446	(1.077)	278059	1000	1000
35	Trichloroethene	130.00	7.473	7.473	(1.081)	222863	1000	1000
37	Bromodichloromethane	83.00	7.669	7.669	(1.110)	302383	1000	1000
39	2-Chloroethylvinylether	63.00	8.267	8.267	(1.196)	124861	1000	1200
40	4-Methyl-2-Pentanone	43.00	8.489	8.489	(1.228)	435159	1000	1200
41	cis-1,3-Dichloropropene	75.00	8.534	8.534	(1.235)	383848	1000	1100
42	trans-1,3-Dichloropropene	75.00	9.158	9.158	(1.325)	343370	1000	1100
44	Toluene	92.00	9.247	9.247	(0.834)	517607	1000	990
45	1,1,2-Trichloroethane	83.00	9.327	9.327	(1.349)	188111	1000	1000

Data File: /chem/1.i/1950624.b/l175iw5.d
Report Date: 24-Jun-1995 11:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.702	9.702	(0.875)	409979	1000	1600
	47 Dibromochloromethane	129.00	9.951	9.951	(1.440)	205512	1000	1100
	49 Tetrachloroethene	164.00	10.299	10.299	(0.928)	186570	1000	1000
	52 Chlorobenzene	112.00	11.137	11.137	(1.004)	536019	1000	1000
M	53 Xylene (Total)	106.00				965555	3000	3100
	54 Ethylbenzene	106.00	11.440	11.440	(1.031)	267388	1000	1100
	55 m,p-Xylene(s)	106.00	11.609	11.609	(1.047)	644896	2000	2100
	56 Bromoform	173.00	12.028	12.028	(1.084)	138712	1000	1100
	57 Styrene	104.00	12.073	12.073	(1.088)	524925	1000	1200
	59 o-Xylene	106.00	12.135	12.135	(1.094)	320659	1000	1000
	60 1,1,2,2-Tetrachloroethane	83.00	12.483	12.483	(1.125)	274462	1000	1000
*	23 Bromochloromethane	128.00	5.200	5.200	(1.000)	32293	250	
*	32 1,4-Difluorobenzene	114.00	6.912	6.912	(1.000)	169435	250	
*	50 Chlorobenzene-d5	117.00	11.092	11.092	(1.000)	135602	250	
$	26 1,2-Dichloroethane-d4	102.00	5.976	5.976	(1.149)	53115	1000	1000
$	43 Toluene-d8	98.00	9.140	9.140	(0.824)	721486	1000	990
$	61 Bromofluorobenzene	95.00	12.768	12.768	(1.151)	269182	1000	1100

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l175iw5.d
Lab Smp Id: VLSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950624.b/lvoclpw.m
Misc Info: L175W1//L175IW3

Calibration Date: 06/24/95
Calibration Time: 1012

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	34051	17026	68102	32293	-5.16
32 1,4-Difluorobenzene	174296	87148	348592	169435	-2.79
50 Chlorobenzene-d5	135944	67972	271888	135602	-0.25

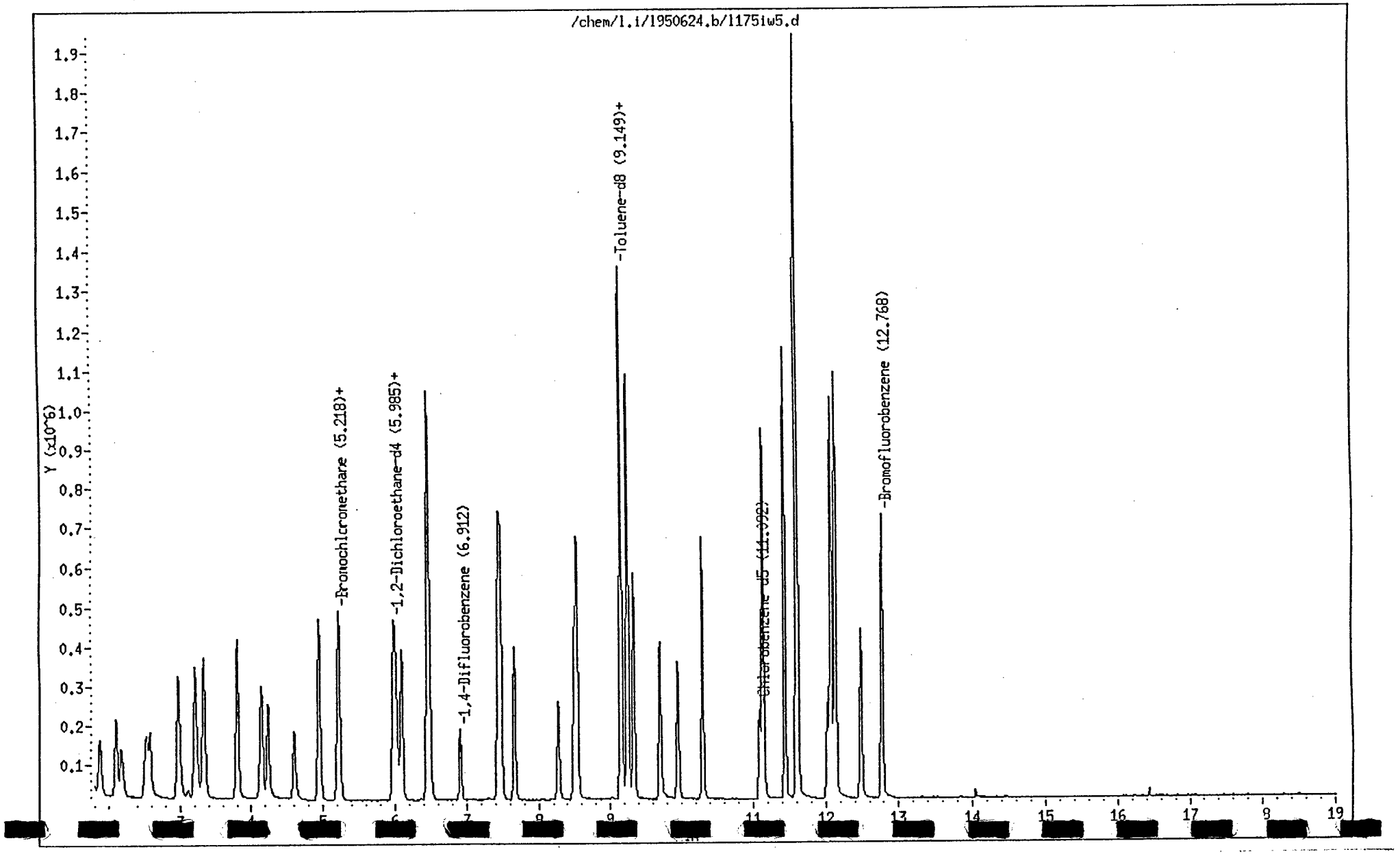
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.22	4.72	5.72	5.20	-0.29
32 1,4-Difluorobenzene	6.93	6.43	7.43	6.91	-0.22
50 Chlorobenzene-d5	11.10	10.60	11.60	11.09	-0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950624.b/1175iw5.d
Date : 24-JUN-1995 11:08
Client ID:
Sample Info: VLSTD200-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/1.i/1950811.b/l223cw2.d
Report Date: 14-Aug-1995 12:11

SPL Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 1.i
Lab File ID: l223cw2.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 11-AUG-1995 22:19
Init. Calibration Date(s): 06/24/95 06/24/95
Init. Calibration Times: 09:16 11:08
Method File: /chem/1.i/1950811.b/lvoclpw.m

	COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
	1 Chloromethane	2.664	2.487	0.010	6.6	40.0
	2 Vinyl Chloride	1.994	2.169	0.100	8.8	25.0
	3 Bromomethane	1.482	1.354	0.100	8.6	25.0
	4 Chloroethane	1.225	1.322	0.010	7.9	40.0
	7 Trichlorofluoromethane	1.605	1.303	0.010	18.8	40.0
	8 Acetone	0.327	0.194	0.010	40.7	100.0
	11 1,1-Dichloroethene	1.245	1.288	0.100	3.4	25.0
	13 Methylene Chloride	1.582	1.656	0.010	4.6	40.0
M	18 1,2-Dichloroethene (total)	1.618	1.614	0.010	0.3	40.0
	14 Carbon Disulfide	5.440	5.144	0.010	5.4	40.0
	15 trans-1,2-Dichloroethene	1.366	1.374	0.010	0.5	40.0
	17 1,1-Dichloroethane	3.037	3.034	0.200	0.1	25.0
	19 Vinyl Acetate	4.518	2.501	0.010	44.6	100.0
	20 2-Butanone	2.197	1.255	0.010	42.9	100.0
	21 cis-1,2-Dichloroethene	1.869	1.854	0.010	0.9	25.0
	24 Chloroform	3.196	3.115	0.200	2.5	25.0
	27 1,1,1-Trichloroethane	0.459	0.425	0.100	7.3	25.0
	28 1,2-Dichloroethane	3.057	2.838	0.100	7.1	25.0
	30 Benzene	1.434	1.402	0.500	2.2	25.0
	31 Carbon Tetrachloride	0.329	0.342	0.100	3.8	25.0
	34 1,2-Dichloropropane	0.402	0.398	0.010	0.9	25.0
	35 Trichloroethene	0.321	0.346	0.300	7.9	25.0
	37 Bromodichloromethane	0.429	0.412	0.200	3.8	25.0
	39 2-Chloroethylvinylether	0.152	0.156	0.010	2.4	100.0
	40 4-Methyl-2-Pentanone	0.528	0.448	0.010	15.2	100.0
	41 cis-1,3-Dichloropropene	0.529	0.491	0.100	7.2	25.0
	42 trans-1,3-Dichloropropene	0.460	0.424	0.100	7.8	25.0
	44 Toluene	0.967	0.945	0.400	2.3	25.0
	45 1,1,2-Trichloroethane	0.270	0.267	0.100	1.0	25.0
	46 2-Hexanone	0.472	0.347	0.010	26.6	100.0
	47 Dibromochloromethane	0.277	0.293	0.100	5.5	25.0
	49 Tetrachloroethene	0.343	0.348	0.200	1.2	25.0
	52 Chlorobenzene	0.971	0.988	0.500	1.7	25.0
M	53 Xylene (Total)	0.568	0.588	0.300	3.5	25.0
	54 Ethylbenzene	0.463	0.478	0.100	3.2	25.0
	55 m,p-Xylene(s)	0.569	0.589	0.300	3.7	25.0
	56 Bromoform	0.232	0.254	0.100	9.7	25.0
	57 Styrene	0.837	0.962	0.300	15.0	25.0
	59 o-Xylene	0.565	0.584	0.300	3.3	25.0
	60 1,1,2,2-Tetrachloroethane	0.502	0.471	0.300	6.1	25.0

SPL Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l223cw2.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 11-AUG-1995 22:19
Init. Calibration Date(s): 06/24/95 06/24/95
Init. Calibration Times: 09:16 11:08
Method File: /chem/l.i/l950811.b/lvoclpw.m

COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
$ 26 1,2-Dichloroethane-d4	0.401	0.383	0.010	4.7	40.0
$ 43 Toluene-d8	1.346	1.362	0.010	1.2	40.0
$ 61 Bromofluorobenzene	0.441	0.480	0.010	8.9	25.0

Data File: /chem/l.i/l950811.b/l223cw1.d
Report Date: 14-Aug-1995 12:00

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950811.b/l223cw1.d
Lab Smp Id: VSTD050
Inj Date : 11-AUG-1995 08:16 Inst ID: l.i
Operator : JC
Smp Info : VSTD050-8240W/1X
Misc Info : L223W1//L223CW1
Comment :
Method : /chem/l.i/l950811.b/lvoclpw.m
Meth Date : 14-Aug-1995 11:58 jimmy Quant Type: ISTD
Cal Date : 11-AUG-1995 08:16 Cal File: l223cw1.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1 Chloromethane	50.00	1.758	1.758	(0.339)	179358	250	230
2 Vinyl Chloride	62.00	1.856	1.856	(0.358)	164276	250	280
3 Bromomethane	94.00	2.097	2.097	(0.404)	98947	250	220
4 Chloroethane	64.00	2.159	2.159	(0.416)	88310	250	240
7 Trichlorofluoromethane	101.00	2.534	2.534	(0.488)	106753	250	220
8 Acetone	58.00	2.578	2.578	(0.497)	17098	250	180
11 1,1-Dichloroethene	96.00	2.971	2.971	(0.572)	94130	250	250
13 Methylene Chloride	84.00	3.211	3.211	(0.619)	119364	250	250
M 18 1,2-Dichloroethene (total)	96.00				238340	500	490
14 Carbon Disulfide	76.00	3.345	3.345	(0.644)	398058	250	240
15 trans-1,2-Dichloroethene	96.00	3.791	3.791	(0.730)	103734	250	250
17 1,1-Dichloroethane	63.00	4.129	4.129	(0.796)	220248	250	240
19 Vinyl Acetate	43.00	4.219	4.219	(0.813)	328116	250	240
20 2-Butanone	43.00	4.593	4.593	(0.885)	107794	250	160
21 cis-1,2-Dichloroethene	96.00	4.923	4.923	(0.948)	134606	250	240
24 Chloroform	83.00	5.208	5.208	(1.003)	226620	250	240
27 1,1,1-Trichloroethane	97.00	5.992	5.992	(0.868)	166350	250	230
28 1,2-Dichloroethane	62.00	6.082	6.082	(1.172)	198911	250	220
30 Benzene	78.00	6.438	6.438	(0.933)	529261	250	240
31 Carbon Tetrachloride	117.00	6.465	6.465	(0.937)	136122	250	270
34 1,2-Dichloropropane	63.00	7.428	7.428	(1.076)	146998	250	240
35 Trichloroethene	130.00	7.454	7.454	(1.080)	123252	250	250
37 Bromodichloromethane	83.00	7.641	7.641	(1.107)	159745	250	240
39 2-Chloroethylvinylether	63.00	8.248	8.248	(1.195)	75672	250	320
40 4-Methyl-2-Pentanone	43.00	8.479	8.479	(1.229)	189671	250	230
41 cis-1,3-Dichloropropene	75.00	8.506	8.506	(1.232)	199877	250	240
42 trans-1,3-Dichloropropene	75.00	9.139	9.139	(1.324)	172223	250	240
44 Toluene	92.00	9.219	9.219	(0.833)	274898	250	230
45 1,1,2-Trichloroethane	83.00	9.300	9.300	(1.347)	101544	250	240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.683	9.683	(0.875)	145421	250	250
	47 Dibromochloromethane	129.00	9.932	9.932	(1.439)	118463	250	280
	49 Tetrachloroethene	164.00	10.271	10.271	(0.928)	104841	250	250
	52 Chlorobenzene	112.00	11.118	11.118	(1.005)	286190	250	240
M	53 Xylene (Total)	106.00				515412	750	740
	54 Ethylbenzene	106.00	11.421	11.421	(1.032)	139100	250	240
	55 m,p-Xylene(s)	106.00	11.581	11.581	(1.047)	346464	500	500
	56 Bromoform	173.00	12.000	12.000	(1.085)	88350	250	310
	57 Styrene	104.00	12.045	12.045	(1.089)	271385	250	260
	59 o-Xylene	106.00	12.107	12.107	(1.094)	168948	250	240
	60 1,1,2,2-Tetrachloroethane	83.00	12.455	12.455	(1.126)	150908	250	250
*	23 Bromochloromethane	128.00	5.190	5.190	(1.000)	74453	250	
*	32 1,4-Difluorobenzene	114.00	6.902	6.902	(1.000)	385601	250	
*	50 Chlorobenzene-d5	117.00	11.064	11.064	(1.000)	305331	250	
$	26 1,2-Dichloroethane-d4	102.00	5.966	5.966	(1.149)	29388	250	240
$	43 Toluene-d8	98.00	9.121	9.121	(0.824)	401898	250	240
$	61 Bromofluorobenzene	95.00	12.740	12.740	(1.151)	147455	250	270

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l223cw2.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950811.b/lvoclpw.m
Misc Info: L223W2//L223CW2

Calibration Date: 08/11/95
Calibration Time: 0816

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	74453	37226	148906	65730	-11.72
32 1,4-Difluorobenzene	385601	192800	771202	338626	-12.18
50 Chlorobenzene-d5	305331	152666	610662	263618	-13.66

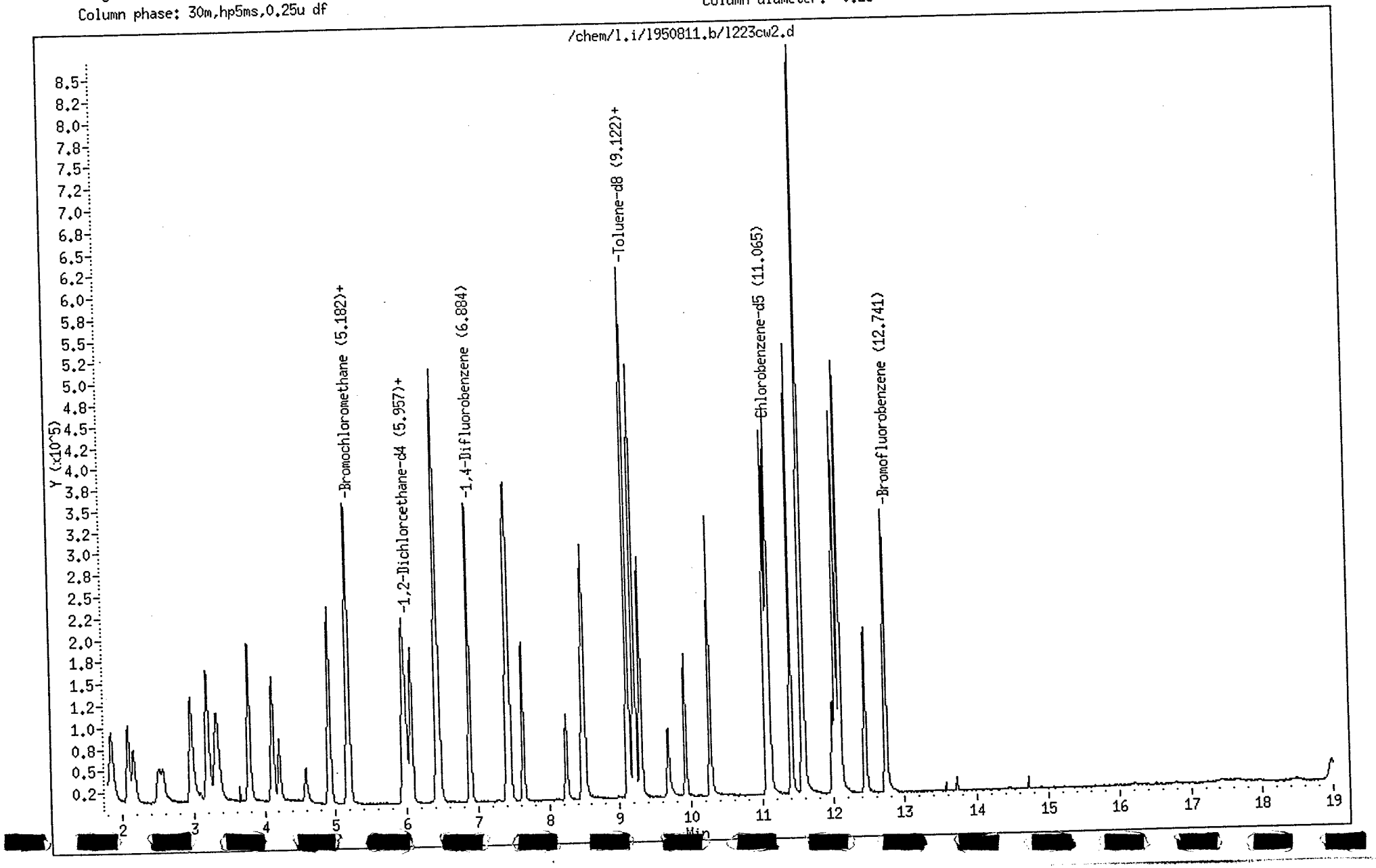
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.17	-0.34
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.12
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950811.b/1223cw2.d
Date : 11-AUG-1995 22:19
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



** SPL BATCH QUALITY CONTROL REPORT **

METHOD 8020***

Matrix: Soil

Units: µg/Kg

Batch Id: HP_O950815135600

L A B O R A T O R Y C O N T R O L S A M P L E

S P I K E C O M P O U N D S	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	34	68.0	51 - 125
Toluene	ND	50	41	82.0	52 - 126
EthylBenzene	ND	50	45	90.0	53 - 125
O Xylene	ND	50	48	96.0	32 - 160
M & P Xylene	ND	100	99	99.0	32 - 160

M A T R I X S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	20	100	22	110	9.52	33	47 - 143
TOLUENE	ND	20	19	95.0	21	105	10.0	35	46 - 148
ETHYLBENZENE	ND	20	19	95.0	21	105	10.0	40	32 - 151
O XYLENE	ND	20	19	95.0	20	100	5.13	24	18 - 144
M & P XYLENE	ND	40	40	100	43	108	7.69	23	25 - 139

Analyst: KA

Sequence Date: 08/15/95

SPL ID of sample spiked: 9508478-07A

Sample File ID: OO__596.TX0

Method Blank File ID:

Blank Spike File ID: OO__588.TX0

Matrix Spike File ID: OO__592.TX0

Matrix Spike Duplicate File ID: OO__593.TX0

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical Data

(***) = Source:

SAMPLES IN BATCH(SPL ID):

9508518-01A 9508518-12A 9508518-13A 9508518-10A
9508104-01B 9508461-03A 9508461-04A 9508461-01A
9508461-02A 9508548-02A 9508548-01A 9508521-03A
9508518-05A 9508518-02A 9508293-09A 9508478-06A
9508478-07A

Cynthia Schreiner

Cynthia Schreiner, QC Officer

** SPL BATCH QUALITY CONTROL REPORT **

Wisconsin DNR Modified DRO

Matrix: Aqueous

Batch Id: HPTT950821150510

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel Range Organics	ND	5.0	6.16	123	50 - 150

Analyst: SEG

Sequence Date: 08/16/95

SPL ID of sample spiked: 950812CXLCS

Sample File ID:

Method Blank File ID:

Blank Spike File ID: T___315.TX0

Matrix Spike File ID:

Matrix Spike Duplicate File ID: T___315.TX0

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Temporary Limits

(***) = Source: SPL-Temporary Limits

SAMPLES IN BATCH(SPL ID): 9508412-06B 9508412-07B 9508461-05B

Cynthia Schreiner

Cynthia Schreiner, QC Officer

** SPL BATCH QUALITY CONTROL REPORT ** PAGE

Wisconsin DNR Modified DRO

Matrix: Aqueous

Units: mg/L

Batch Id: HPTT950821150510

B L A N K S P I K E S

S P I K E C O M P O U N D S	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(**) (Advisory) RPD Max.	QC Limits(**) (Advisory) Recovery Range
DIESEL RANGE ORGANICS	ND	5.0	5.86	116	6.52	129	10.6	43	20 - 177

Analyst: SEG

Sequence Date: 08/21/95

Method Blank File ID:

Sample File ID:

Blank Spike File ID: T___261.TX0

Matrix Spike File ID:

Matrix Spike Duplicate File ID:

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9508412-06B 9508412-07B 9508461-05B

Cynthia Schreiner, QC Officer

Wisconsin DNR Modified DRO

Matrix: Soil
Units: mg/Kg

Batch Id: HPTT950821150520

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel Range Organics	ND	250	246.49	98.6	50 - 150

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
DIESEL RANGE ORGANICS	9.3	250	248.31	95.6	243.28	93.6	2.11	11	32 - 162

Analyst: SEG
Sequence Date: 08/21/95
SPL ID of sample spiked: 9508461-02A
Sample File ID: TT__779.TX0
Method Blank File ID:
Blank Spike File ID: T___430.TX0
Matrix Spike File ID: TT__774.TX0
Matrix Spike Duplicate File ID: TT__775.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Temporary Limits
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9508334-01B 9508334-02B 9508461-01A 9508461-02A

Cynthia Schreiner, QC Officer

********** CALIBRATION CURVE % RSD **********

Sample Name	File Name	MTBE Custom Expression	ISOPROPYLETHER Custom Expression	Benzene Custom Expression	Toluene Custom Expression	Ethyl_Benzene Custom Expression
25	oo__702.rs	5.0689	3.9455	1.7889	1.8675	2.0687
50	oo__703.rs	4.9607	3.8807	1.7580	1.8446	2.0325
100	oo__704.rs	5.0650	3.9299	1.7952	1.8735	2.0857
200	oo__705.rs	5.2782	4.0670	1.8478	1.9280	2.1572
200	oo__705.rs	5.2782	4.0670	1.8478	1.9280	2.1572
500	oo__706.rs	6.3244	4.4636	1.9732	2.0730	2.3422
Averages		5.3293	4.0589	1.8352	1.9191	2.1406
%RSD		9.45	5.23	4.15	4.30	5.16

Sample Name	File Name	m and p Xylene Custom Expression	o-Xylene Custom Expression
25	oo__702.rs	0.9385	2.1115
50	oo__703.rs	0.9306	2.0509
100	oo__704.rs	0.9832	2.0897
200	oo__705.rs	1.0510	2.1551
200	oo__705.rs	1.0510	2.1551
500	oo__706.rs	1.2161	2.3400
Averages		1.0284	2.1504
%RSD		10.29	4.70

ASCII File Created Successfully - Stored in: l:\data\tchrom\btex\hp_s\601SUMMY.prn

OS072095

RF Caluculations

CMPD	LEVEL	Area cmpd	Conc cmpd	Area IS	Conc IS	RF	AVG. RF
Benzene							1.50441
	2	139751.44	25	358409.84	100	1.559683	
	3	284419.47	50	358326.75	100	1.587487	
	4	557028.38	100	362250.09	100	1.53769	
	5	1082354.63	200	367652.78	100	1.471979	
	6	2533998.75	500	371225.13	100	1.365209	
Toluene							1.438115
	2	133866.11	25	358409.84	100	1.494	
	3	271056.69	50	358326.75	100	1.512902	
	4	533748.31	100	362250.09	100	1.473425	
	5	1037342.44	200	367652.78	100	1.410764	
	6	2412002.5	500	371225.13	100	1.299482	
Ethyl Benz.							1.291268
	2	120848.9	25	358409.84	100	1.348723	
	3	246006.98	50	358326.75	100	1.373087	
	4	479465.72	100	362250.09	100	1.323577	
	5	927120.63	200	367652.78	100	1.260864	
	6	2134711.25	500	371225.13	100	1.15009	
m&p-Xylene							1.35824
	2	266376.19	50	358409.84	100	1.486433	
	3	537302.88	100	358326.75	100	1.499477	
	4	1017048.88	200	362250.09	100	1.403794	
	5	1902914.88	400	367652.78	100	1.293962	
	6	4111433.75	1000	371225.13	100	1.107531	
o-Xylene							1.283292
	2	118401.63	25	358409.84	100	1.32141	
	3	243794.44	50	358326.75	100	1.360738	
	4	478540.81	100	362250.09	100	1.321023	
	5	928041.56	200	367652.78	100	1.262117	
	6	2136720.75	500	371225.13	100	1.151172	
MTBE							0.519854
	2	49320	25	358409.84	100	0.550431	
	3	100791.41	50	358326.75	100	0.562567	
	4	197431.94	100	362250.09	100	0.545016	
	5	378915.63	200	367652.78	100	0.515317	
	6	790592	500	371225.13	100	0.425937	
IPE							0.680205
	2	63363.68	25	358409.84	100	0.707165	
	3	128842.13	50	358326.75	100	0.719132	
	4	254457.22	100	362250.09	100	0.702435	
	5	491769.09	200	367652.78	100	0.668796	

	6	1120168.13	500	371225.13	100	0.603498

```
================================================================================
ıare Version: 3.2 <16C20>
 e Name  : 50                          Time         : 07/20/95  10:25
 e Number: TC ;S;1                     Study        : BTEXS;1;PQL
ıtor     : fab

·ument   : HP_O                        Channel : B     A/D mV Range : 1024
.ampler  : NONE
 Vial    : 0/0

·face Serial # :    Data Acquisition Time: 07/19/95  16:48
· Time     : 0.00   min.
 ime       : 22.49  min.
 ing Rate  : 2.5000   pts/sec

ata File  : l:\data\tchrom\btex\hp_o\00__703.raw
t File    : l:\data\tchrom\btex\hp_o\00__703.rst
ument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
ss File   : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
e File    : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
nce File  : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Volume    : 2 ul                       Area Reject      : 300.00
e Amount  : 1.0000                     Dilution Factor  : 1.00

================================================================================
```

_NEW CURVE

BTEX Area Percent Report

```
================================================================================
================================================================================
```

Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
2.040	3639.88	1631.65	BB	1.0000e6	----------	0.0036		0.0036
2.968	100791.41	34602.02	BB	1862.7618	0.2813	54.1086	MTBE	54.1086
3.354	128842.13	39584.38	BB	2437.3743	0.3596	52.8610	ISOPROPYLETHER	52.8610
4.394	284419.47	96445.71	BV	5390.7031	0.7937	52.7611	Benzene	52.7611
4.664	142940.77	44954.15	VB	1379.7002	0.3989	103.6028	1,4-DIFLUOROBENZENE	103.6028
5.262	358326.75	109800.84	BB	----------	1.0000	0.0000	TFT	0.0000
6.607	271056.69	85685.72	BB	5153.1509	0.7565	52.6002	Toluene	52.6002
7.638	4552.30	1087.52	BB	9.9999e5	----------	0.0046		0.0046
8.840	246006.98	80146.98	BV	4626.9590	0.6865	53.1682	Ethyl_Benzene	53.1682
9.021	537302.88	159440.05	VB	4866.9375	1.4995	110.3986	m and p Xylene	110.3986
9.594	243794.44	77895.09	BB	4598.3794	0.6804	53.0175	o-Xylene	53.0175
10.314	274853.28	88055.90	BB	2796.1250	0.7671	98.2979	4-BROMOFLUOROBENZENE	98.2979
11.519	3529.21	921.63	BB	1.0000e6	----------	0.0035		0.0035
14.659	8613.17	2234.43	BB	9.9999e5	----------	0.0086		0.0086
16.893	330.21	75.79	BV	1.0000e6	----------	0.0003		0.0003
16.982	8844.22	4023.38	VB	1.0000e6	----------	0.0088		0.0088
17.115	570.10	201.03	BB	1.0000e6	----------	0.0006		0.0006
17.255	1205.00	345.82	BV	1.0000e6	----------	0.0012		0.0012
17.352	3284.16	1718.99	VB	1.0000e6	----------	0.0033		0.0033
17.611	621.92	307.67	BB	1.0000e6	----------	0.0006		0.0006
17.846	400.37	141.72	BV	1.0000e6	----------	0.0004		0.0004
17.900	2861.94	846.65	VV	1.0000e6	----------	0.0029		0.0029
17.987	6529.02	1662.98	VE	1.0000e6	----------	0.0065		0.0065
18.134	906.63	268.36	EV	1.0000e6	----------	0.0009		0.0009
18.187	311.62	181.41	VV	1.0000e6	----------	0.0003		0.0003
18.223	404.39	181.94	VB	1.0000e6	----------	0.0004		0.0004
	2634939.00	832441.75				630.8625		630.8625

```
================================================================================

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```
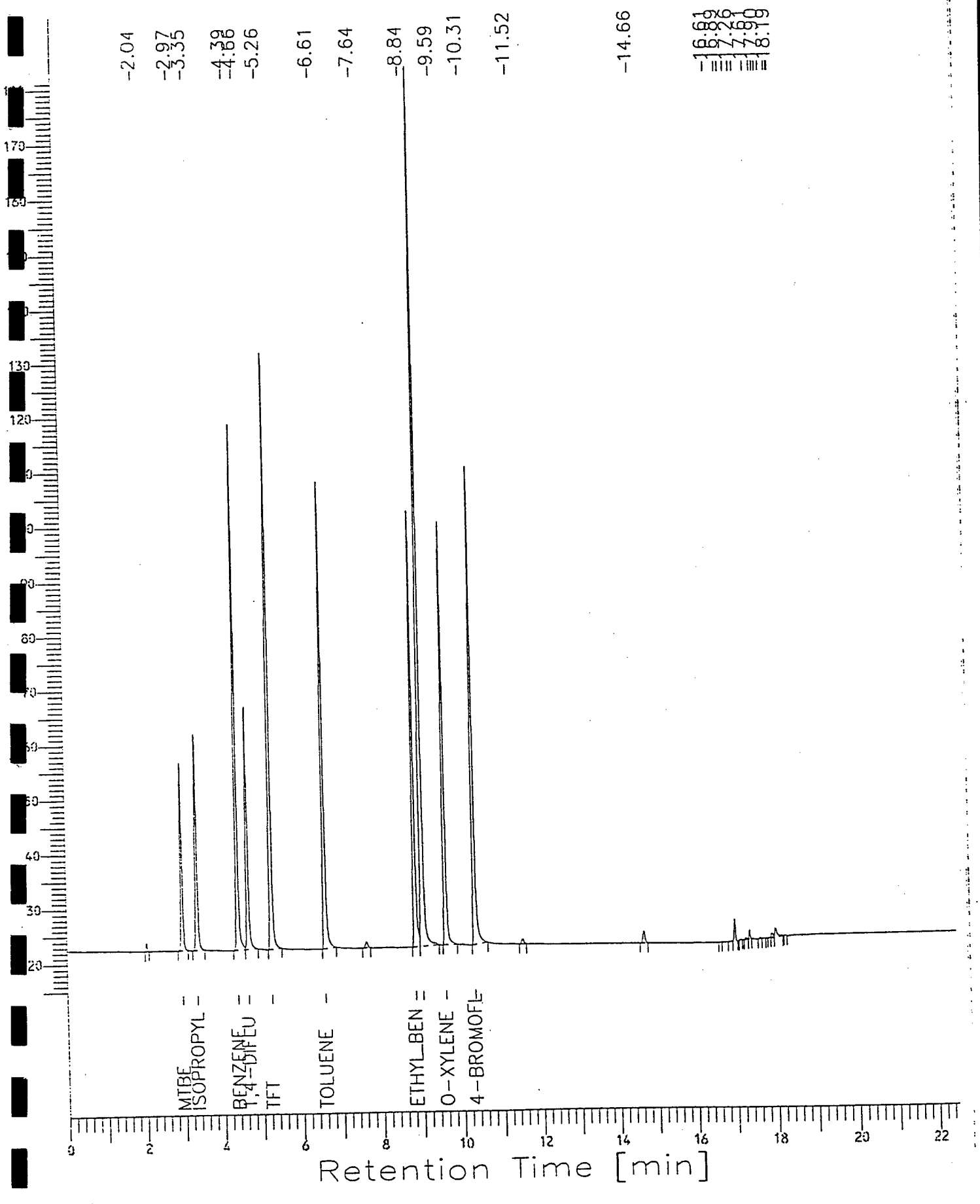

Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__703.TXO

Chromatogram

ame : 50
: l:\data\tchrom\btex\hp_o\00__703.raw
: HP_O.ins
me : 0.00 min End Time : 22.49 min
c : 1 Plot Offset: 14 mV

Sample #: TC ;S;1
Date : 07/20/95 10:25
Time of Injection: 07/19/95 16:48
Low Point : 14.36 mV High Point : 181.78 mV
Plot Scale: 167 mV



```
Software Version: 3.2 <16C20>
Sample Name  : BLANK                    Time         : 07/19/95  15:37
Sample Number: BR ;S;1                  Study        : BTEXS;1;PQL
Operator     : fab

Instrument   : HP_O                     Channel : B     A/D mV Range : 1024
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # :    Data Acquisition Time: 07/19/95  15:15
Delay Time     : 0.00   min.
End Time       : 22.49  min.
Sampling Rate  : 2.5000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_o\00__700.raw
Result File    : l:\data\tchrom\btex\hp_o\00__700.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume    : 2 ul                   Area Reject      : 300.00
Sample Amount  : 1.0000                 Dilution Factor  : 1.00
```

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	3.816	15314.71	3200.35	BB	1.0000e6	----------	0.0153		0.0153
2	4.659	98907.06	31616.27	BB	1094.6254	0.3479	90.3570	1,4-DIFLUOROBENZENE	90.3570
3	5.258	284289.00	86845.01	BB	----------	1.0000	0.0000	TFT	0.0000
4	7.633	8976.66	2125.12	BB	1.0000e6	----------	0.0090		0.0090
7	10.315	168407.20	51980.92	BB	2218.3877	0.5924	75.9142	4-BROMOFLUOROBENZENE	75.9142
9	11.296	316.84	106.61	BB	1.0000e6	----------	0.0003		0.0003
10	11.518	8585.52	2289.69	BB	1.0000e6	----------	0.0086		0.0086
11	11.878	1212.01	342.56	BB	1.0000e6	----------	0.0012		0.0012
12	12.538	335.38	118.14	BB	1.0000e6	----------	0.0003		0.0003
13	13.188	680.80	203.58	BB	1.0000e6	----------	0.0007		0.0007
14	13.651	591.45	110.81	BB	1.0000e6	----------	0.0006		0.0006
15	13.786	476.84	159.40	BB	1.0000e6	----------	0.0005		0.0005
16	14.421	841.96	260.40	BV	1.0000e6	----------	0.0008		0.0008
17	14.510	1385.17	408.10	VV	1.0000e6	----------	0.0014		0.0014
18	14.660	14206.20	3731.52	VB	1.0000e6	----------	0.0142		0.0142
19	14.945	1044.24	156.57	BB	1.0000e6	----------	0.0010		0.0010
21	15.176	1555.25	479.66	BB	1.0000e6	----------	0.0016		0.0016
22	15.523	413.98	140.51	BB	1.0000e6	----------	0.0004		0.0004
23	15.742	429.72	153.10	BB	1.0000e6	----------	0.0004		0.0004
24	15.891	7371.75	1522.79	BE	1.0000e6	----------	0.0074		0.0074
25	16.076	584.10	225.70	EB	9.9999e5	----------	0.0006		0.0006
26	16.229	975.69	337.74	BB	1.0000e6	----------	0.0010		0.0010
27	16.426	2472.49	514.69	BV	1.0000e6	----------	0.0025		0.0025
28	16.517	877.80	410.12	VV	1.0000e6	----------	0.0009		0.0009
29	16.597	2722.31	1216.77	VB	1.0000e6	----------	0.0027		0.0027
31	16.748	594.89	326.03	BV	9.9999e5	----------	0.0006		0.0006
32	16.782	765.02	441.90	VB	1.0000e6	----------	0.0008		0.0008
33	16.885	4038.49	1308.17	BV	1.0000e6	----------	0.0040		0.0040
34	16.932	699.62	424.34	VV	1.0000e6	----------	0.0007		0.0007
35	16.987	18827.15	8421.01	VV	1.0000e6	----------	0.0188		0.0188
36	17.081	31966.97	15777.18	VE	1.0000e6	----------	0.0320		0.0320
37	17.159	1964.26	945.63	EB	1.0000e6	----------	0.0020		0.0020
38	17.237	16161.69	8729.36	BB	9.9999e5	----------	0.0162		0.0162
39	17.371	1574.62	568.21	BV	1.0000e6	----------	0.0016		0.0016
40	17.423	832.53	425.75	VV	9.9999e5	----------	0.0008		0.0008
41	17.466	920.36	556.26	VV	1.0000e6	----------	0.0009		0.0009
43	17.615	5589.00	2015.24	BV	1.0000e6	----------	0.0056		0.0056
44	17.711	3173.85	890.12	VV	1.0000e6	----------	0.0032		0.0032
45	17.775	3614.05	1968.13	VV	1.0000e6	----------	0.0036		0.0036
46	17.818	14537.62	5683.60	VV	1.0000e6	----------	0.0145		0.0145
47	17.887	43586.92	20491.36	VV	1.0000e6	----------	0.0436		0.0436
48	17.988	67875.96	24769.22	VV	1.0000e6	----------	0.0679		0.0679
49	18.123	15974.69	5999.51	VV	1.0000e6	----------	0.0160		0.0160
50	18.226	8818.90	3585.86	VB	1.0000e6	----------	0.0088		0.0088
51	18.380	2296.05	785.09	BV	1.0000e6	----------	0.0023		0.0023
52	18.431	1795.69	850.03	VV	1.0000e6	----------	0.0018		0.0018

53	18.463	4119.94	1629.10	VV	1.0000e6	----------	0.0041	0.0041
54	18.526	958.31	648.93	VB	1.0000e6	----------	0.0010	0.0010
55	18.578	858.59	631.18	BB	1.0000e6	----------	0.0009	0.0009
56	18.708	1326.52	699.30	BB	9.9999e5	----------	0.0013	0.0013
58	19.065	341.12	152.49	BB	1.0000e6	----------	0.0003	0.0003
		876186.94	297379.09				166.5958	166.5958

END

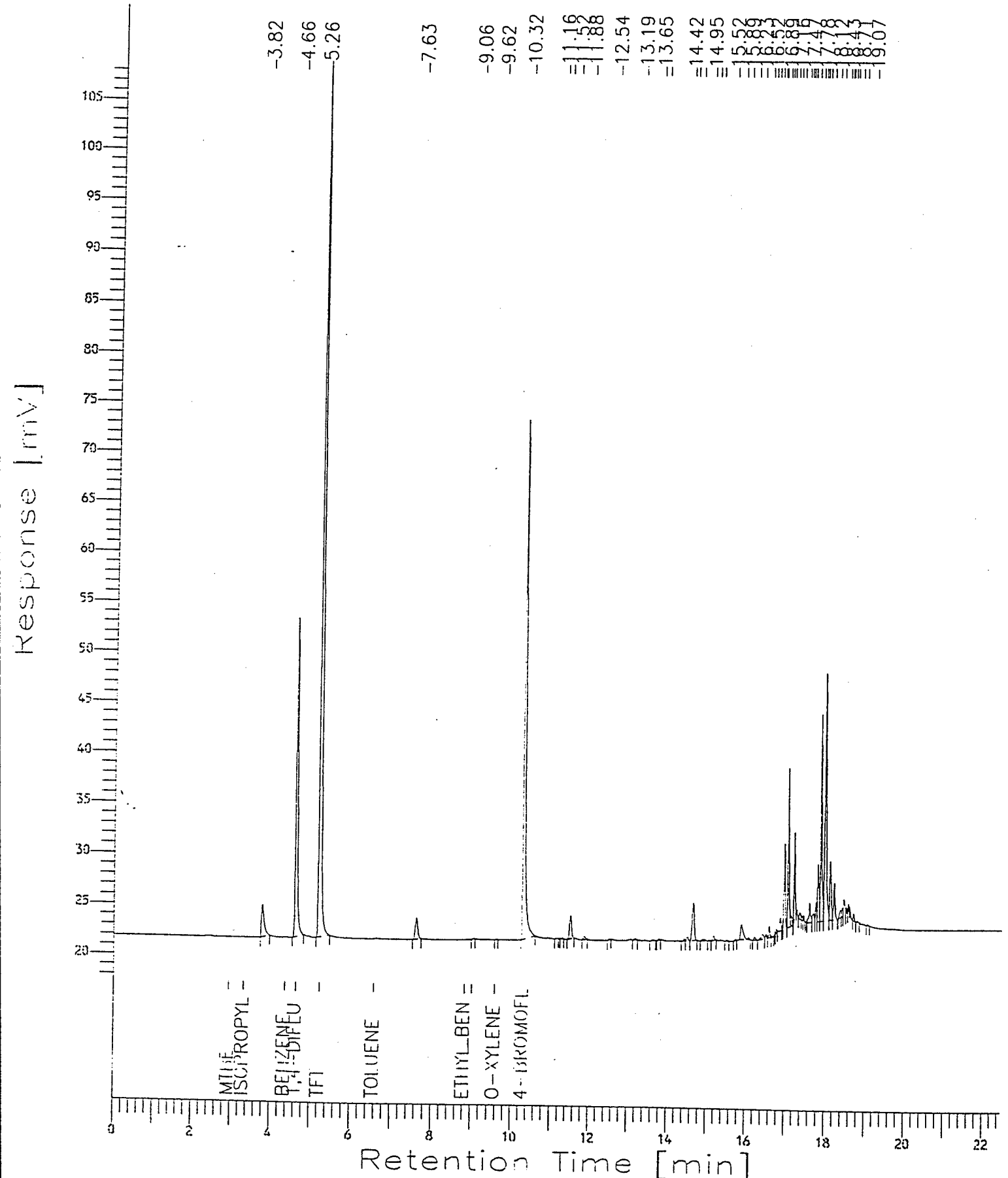
Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__700.TXO

Chromatogram

Sample Name : BLANK
FileName : l:\data\tchrom\btex\hp_o\00__700.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 18 mV

Sample #: BR ;S;1
Date : 07/19/95 15:37
Time of Injection: 07/19/95 15:15
Low Point : 17.52 mV
Plot Scale: 91 mV



Software Version: 3.2 <16C20>
Sample Name : 10 Time : 07/19/95 16:08
Sample Number: TC ;S;1 Study : BTEXS;1;PQL
Operator : fab

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/19/95 15:46
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__701.raw
Result File : l:\data\tchrom\btex\hp_o\00__701.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
2	2.972	10483.19	3668.95	BB	2006.7894	0.0290	0.5224	MTBE	0.5224
3	3.355	12541.44	3848.92	BB	2448.6792	0.0347	0.5122	ISOPROPYLETHER	0.5122
4	3.857	1572.97	375.27	BB	1.0000e6	----------	0.0002		0.0002
5	4.399	28813.23	9309.85	BV	5334.2251	0.0797	0.5402	Benzene	0.5402
6	4.664	140929.31	44666.76	VB	1391.4382	0.3900	10.1283	1,4-DIFLUOROBENZENE	10.1283
7	5.263	361375.31	109709.09	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.616	26079.26	7440.84	BB	5078.0815	0.0722	0.5136	Toluene	0.5136
9	7.638	7591.81	1783.57	BB	1.0000e6	----------	0.0008		0.0008
10	8.848	23612.88	6883.98	BV	4595.3936	0.0653	0.5138	Ethyl_Benzene	0.5138
11	9.028	52666.87	14373.82	VB	4524.4907	0.1457	1.1640	m and p Xylene	1.1640
12	9.601	22962.08	6956.59	BB	4535.4404	0.0635	0.5063	o-Xylene	0.5063
13	10.316	268475.22	84927.27	BB	2819.9136	0.7429	9.5207	4-BROMOFLUOROBENZENE	9.5207
14	11.521	5143.99	1361.77	BB	1.0000e6	----------	0.0005		0.0005
15	14.660	4149.44	1083.80	BB	1.0000e6	----------	0.0004		0.0004
16	15.941	345.78	97.36	BB	1.0000e6	----------	0.0000		0.0000
17	16.603	543.39	208.45	BB	1.0000e6	----------	0.0001		0.0001
18	16.862	1622.95	351.94	BV	1.0000e6	----------	0.0002		0.0002
19	16.983	7616.47	3236.78	VB	1.0000e6	----------	0.0008		0.0008
20	17.089	4385.15	1958.43	BB	1.0000e6	----------	0.0004		0.0004
21	17.240	4827.94	1559.47	BV	1.0000e6	----------	0.0005		0.0005
22	17.352	3499.02	1400.92	VV	1.0000e6	----------	0.0004		0.0004
23	17.416	614.56	318.23	VV	1.0000e6	----------	0.0001		0.0001
24	17.458	572.15	340.80	VB	1.0000e6	----------	0.0001		0.0001
25	17.608	2597.99	1030.08	BV	1.0000e6	----------	0.0003		0.0003
26	17.674	618.03	349.00	VV	1.0000e6	----------	0.0001		0.0001
27	17.710	931.38	387.87	VV	1.0000e6	----------	0.0001		0.0001
28	17.766	1099.41	554.68	VV	1.0000e6	----------	0.0001		0.0001
29	17.813	4344.39	1543.66	VV	1.0000e6	----------	0.0004		0.0004
30	17.879	17540.47	7339.30	VV	9.9999e5	----------	0.0018		0.0018
31	17.978	28607.08	9590.92	VV	1.0000e6	----------	0.0029		0.0029
32	18.113	7292.65	2458.07	VV	1.0000e6	----------	0.0007		0.0007
33	18.214	5236.53	1594.00	VV	1.0000e6	----------	0.0005		0.0005
34	18.416	3289.77	673.78	VV	1.0000e6	----------	0.0003		0.0003
35	18.464	3107.35	910.82	VV	1.0000e6	----------	0.0003		0.0003
36	18.509	1693.66	731.99	VV	1.0000e6	----------	0.0002		0.0002
37	18.564	1681.98	815.27	VV	1.0000e6	----------	0.0002		0.0002
38	18.595	1922.20	711.22	VV	1.0000e6	----------	0.0002		0.0002
39	18.692	1010.93	418.35	VB	9.9999e5	----------	0.0001		0.0001
		1071398.13	334971.88				23.9338		23.9338

END

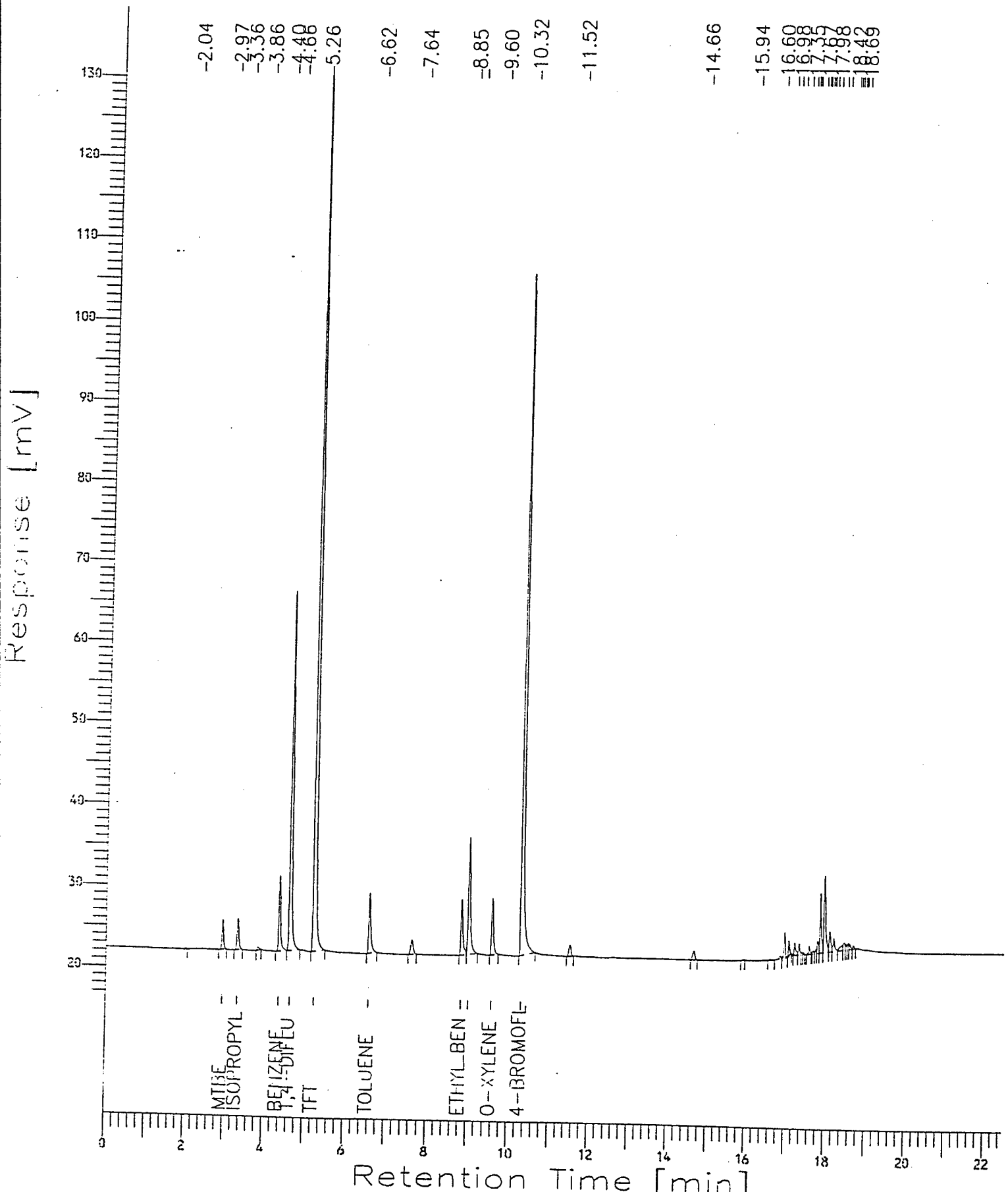
Chromatogram

Sample Name : 10
FileName : l:\data\tchrom\btex\hp_o\00__701.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: TC ;S;1
Date : 07/19/95 16:09
Time of Injection: 07/19/95 15:46
Low Point : 16.82 mV
Plot Scale: 114 mV

High Point : 130.81 mV



```
==========================================================================
oftware Version: 3.2 <16C20>
ample Name  : 25                          Time         : 07/19/95  16:39
ample Number: TC ;S;1                     Study        : BTEXS;1;PQL
er  tor     : fab

nstrument   : HP_O                        Channel : B     A/D mV Range : 1024
utoSampler  : NONE
ack Vial    : 0/0

nterface Serial # :    Data Acquisition Time: 07/19/95  16:17
elay Time     : 0.00   min.
un Time       : 22.49  min.
ampling Rate  : 2.5000   pts/sec

aw Data File  : l:\data\tchrom\btex\hp_o\00__702.raw
esult File    : l:\data\tchrom\btex\hp_o\00__702.rst
nstrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
rocess File   : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
ample File    : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
equence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

nj Volume     : 2 ul                      Area Reject      : 300.00
amp  Amount   : 1.0000                    Dilution Factor  : 1.00

==========================================================================
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BTEX Area Percent Report

```
==========================================================================
==========================================================================
```

eak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.045	1739.67	805.47	BB	1.0000e6	----------	0.0001		0.0001
2	2.974	49320.00	16978.58	BB	1990.3218	0.1376	0.9912	MTBE	0.9912
3	3.360	63363.68	19172.23	BB	2428.5852	0.1768	1.0436	ISOPROPYLETHER	1.0436
4	3.903	322.90	87.71	BB	1.0000e6	----------	0.0000		0.0000
5	4.400	139751.44	47725.82	BB	5290.4522	0.3899	1.0566	Benzene	1.0566
6	4.668	139364.94	44499.66	BB	1380.0201	0.3888	4.0395	1,4-DIFLUOROBENZENE	4.0395
7	5.267	358409.84	109663.81	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.612	133866.11	41348.36	BB	5036.4111	0.3735	1.0632	Toluene	1.0632
9	7.640	4494.30	1075.46	BB	9.9999e5	----------	0.0002		0.0002
10	8.842	120848.90	38866.84	BV	4557.6836	0.3372	1.0606	Ethyl_Benzene	1.0606
11	9.022	266376.19	78690.69	VB	4487.3628	0.7432	2.3745	m and p Xylene	2.3745
12	9.595	118401.63	37838.36	BB	4498.2227	0.3304	1.0529	o-Xylene	1.0529
13	10.315	270641.03	86250.80	BB	2796.7734	0.7551	3.8708	4-BROMOFLUOROBENZENE	3.8708
14	11.519	3387.75	893.94	BB	1.0000e6	----------	0.0001		0.0001
15	14.659	5652.89	1467.22	BB	1.0000e6	----------	0.0002		0.0002
17	16.863	567.81	150.42	BV	1.0000e6	----------	0.0000		0.0000
18	16.981	7068.32	3129.98	VB	1.0000e6	----------	0.0003		0.0003
19	17.104	1747.78	467.21	BB	1.0000e6	----------	0.0001		0.0001
20	17.248	1010.74	404.96	BB	1.0000e6	----------	0.0000		0.0000
21	17.349	2119.86	1154.68	BV	1.0000e6	----------	0.0001		0.0001
24	17.607	1061.27	504.91	BV	1.0000e6	----------	0.0000		0.0000
27	17.837	839.82	286.05	VV	9.9999e5	----------	0.0000		0.0000
28	17.887	5363.50	1771.19	VV	1.0000e6	----------	0.0002		0.0002
29	17.981	10336.32	3023.04	VV	1.0000e6	----------	0.0004		0.0004
30	18.123	2175.57	610.43	VV	1.0000e6	----------	0.0001		0.0001
31	18.219	1570.85	421.19	VB	1.0000e6	----------	0.0001		0.0001
		1709803.25	537289.00				16.5548		16.5548

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==========================================================================
ID
==========================================================================

epo  Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__702.TXO
```
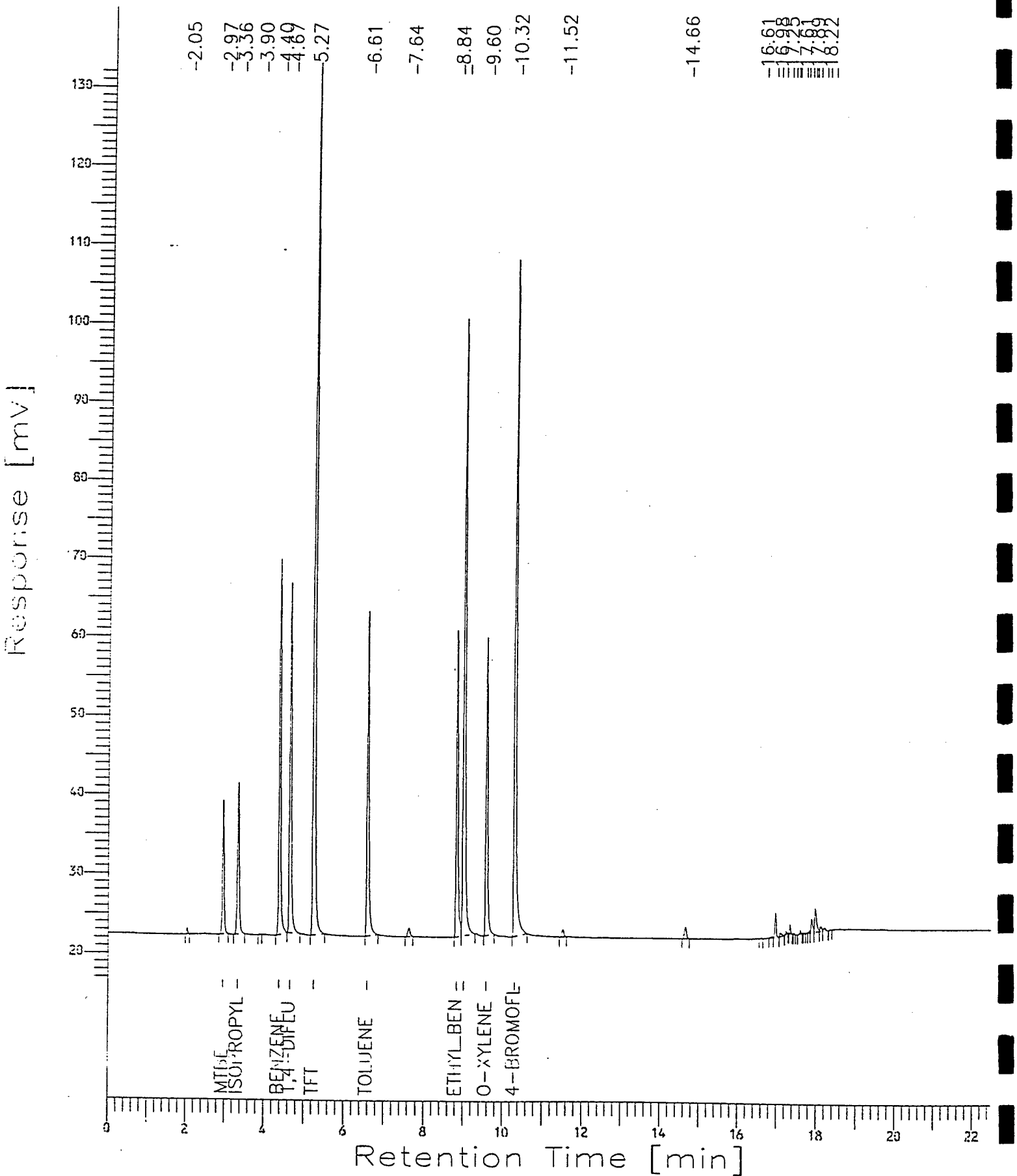

Chromatogram

Sample Name : 25
FileName : l:\data\tchrom\btex\hp_o\00__702.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: TC ;S;1
Date : 07/19/95 16:39
Time of Injection: 07/19/95 16:17
Low Point : 16.83 mV
Plot Scale: 115 mV

High Point : 132.18 mV



[redacted]

ware Version: 3.2 <16C20>
ample Name : 50 Time : 07/19/95 17:10
ample Number: TC ;S;1 Study : BTEXS;1;PQL
perator : fab

nstrument : HP_O Channel : B A/D mV Range : 1024
utoSampler : NONE
ac Vial : 0/0

nt face Serial # : Data Acquisition Time: 07/19/95 16:48
elay Time : 0.00 min.
nd Time : 22.49 min.
am ing Rate : 2.5000 pts/sec

aw ata File : l:\data\tchrom\btex\hp_o\00__703.raw
esult File : l:\data\tchrom\btex\hp_o\00__703.rst
ins ument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
pro ss File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
am e File : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
equence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

nj Volume : 2 ul Area Reject : 300.00
am e Amount : 1.0000 Dilution Factor : 1.00

[redacted]

BTEX Area Percent Report

[redacted]

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.040	3639.88	1631.65	BB	1.0000e6	----------	0.0001		0.0001
2	2.968	100791.41	34602.02	BB	1989.8601	0.2813	1.0131	MTBE	1.0131
3	3.354	128842.13	39584.38	BB	2428.0220	0.3596	1.0613	ISOPROPYLETHER	1.0613
4	4.394	284419.47	96445.71	BV	5289.2256	0.7937	1.0755	Benzene	1.0755
5	4.664	142940.77	44954.15	VB	1379.7002	0.3989	2.0721	1,4-DIFLUOROBENZENE	2.0721
6	5.262	358326.75	109800.84	BB	----------	1.0000	0.0000	TFT	0.0000
7	6.607	271056.69	85685.72	BB	5035.2432	0.7565	1.0766	Toluene	1.0766
8	7.638	4552.30	1087.52	BB	9.9999e5	----------	0.0001		0.0001
9	8.840	246006.98	80146.98	BV	4556.6274	0.6865	1.0798	Ethyl_Benzene	1.0798
10	9.021	537302.88	159440.05	VB	4486.3228	1.4995	2.3953	m and p Xylene	2.3953
11	9.594	243794.44	77895.09	BB	4497.1797	0.6804	1.0842	o-Xylene	1.0842
12	10.314	274853.28	88055.90	BB	2796.1250	0.7671	1.9660	4-BROMOFLUOROBENZENE	1.9660
13	11.519	3529.21	921.63	BB	1.0000e6	----------	0.0001		0.0001
14	14.659	8613.17	2234.43	BB	9.9999e5	----------	0.0002		0.0002
16	16.893	330.21	75.79	BV	1.0000e6	----------	0.0000		0.0000
17	16.982	8844.22	4023.38	VB	1.0000e6	----------	0.0002		0.0002
18	17.115	570.10	201.03	BB	1.0000e6	----------	0.0000		0.0000
19	17.255	1205.00	345.82	BV	1.0000e6	----------	0.0000		0.0000
20	17.352	3284.16	1718.99	VB	1.0000e6	----------	0.0001		0.0001
21	17.611	621.92	307.67	BB	1.0000e6	----------	0.0000		0.0000
23	17.846	400.37	141.72	BV	1.0000e6	----------	0.0000		0.0000
24	17.900	2861.94	846.65	VV	1.0000e6	----------	0.0001		0.0001
25	17.987	6529.02	1662.98	VE	1.0000e6	----------	0.0001		0.0001
26	18.134	906.63	268.36	EV	1.0000e6	----------	0.0000		0.0000
27	18.187	311.62	181.41	VV	1.0000e6	----------	0.0000		0.0000
28	18.223	404.39	181.94	VB	1.0000e6	----------	0.0000		0.0000
		2634939.00	832441.75				12.8247		12.8247

[redacted]

END

[redacted]

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__703.TXO

[redacted]

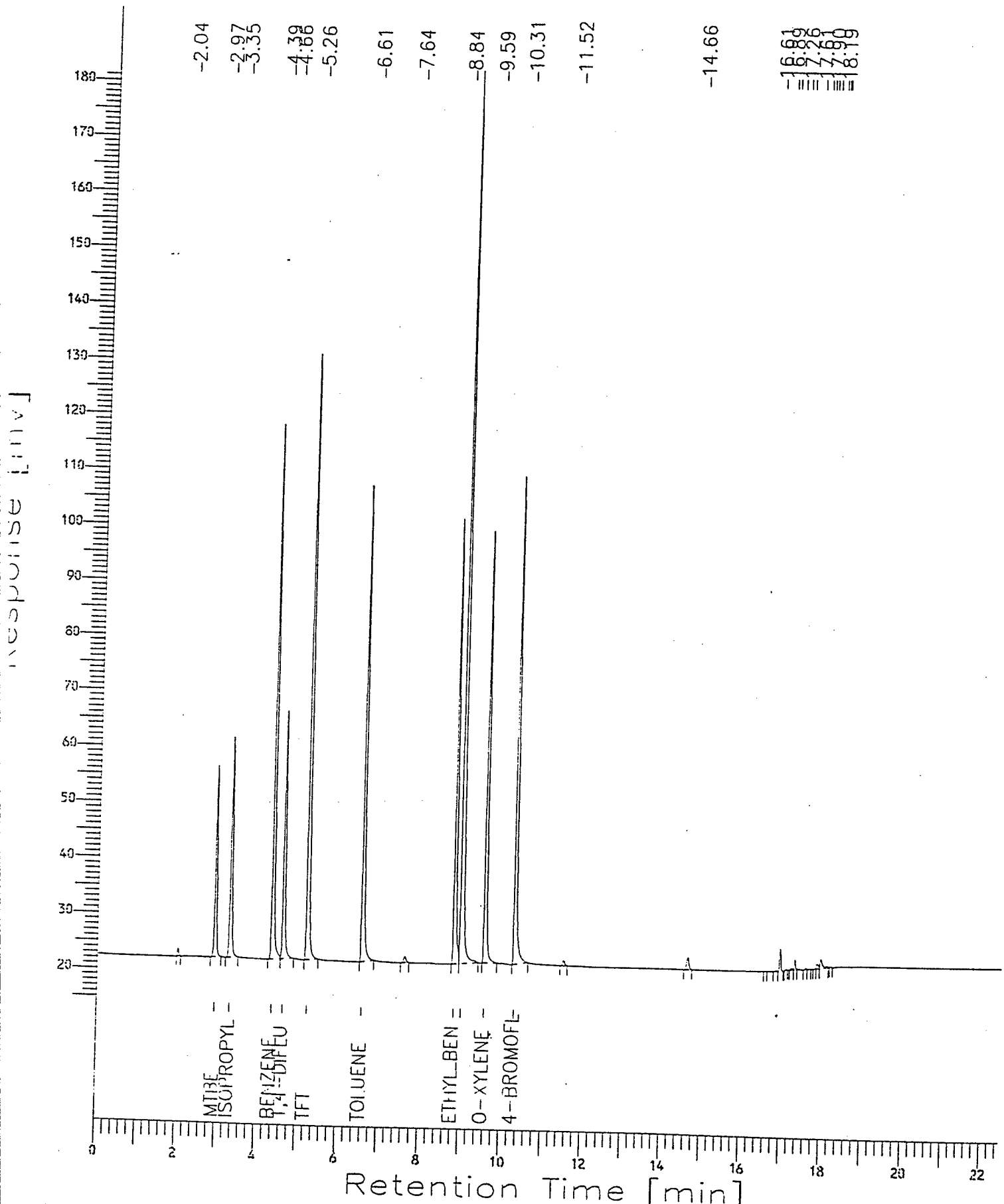
Chromatogram

Sample Name : 50
FileName : l:\data\tchrom\btex\hp_o\00__703.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 14 mV

Sample #: TC ;S;1
Date : 07/19/95 17:10
Time of Injection: 07/19/95 16:48
Low Point : 14.36 mV
Plot Scale: 167 mV

High Point : 181.78 mV



Software Version: 3.2 <16C20>
Sample Name : 100 Time : 07/19/95 17:41
Sample Number: TC ;S;1 Study : BTEXS;1;PQL
Operator : fab

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/19/95 17:19
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__704.raw
Result File : l:\data\tchrom\btex\hp_o\00__704.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
	2.041	7954.26	3488.50	BB	9.9999e5	----------	0.0001		0.0001
3	2.597	312.96	137.68	BB	1.0000e6	----------	0.0000		0.0000
4	2.968	197431.94	66944.41	BB	2011.6473	0.5450	0.9814	MTBE	0.9814
	3.354	254457.22	78222.52	BB	2454.6069	0.7024	1.0367	ISOPROPYLETHER	1.0367
	4.394	557028.38	187188.47	BV	5347.1377	1.5377	1.0417	Benzene	1.0417
	4.664	146859.42	45772.27	VB	1394.8065	0.4054	1.0529	1,4-DIFLUOROBENZENE	1.0529
8	5.262	362250.09	111324.63	BB	----------	1.0000	0.0000	TFT	0.0000
9	6.606	533748.31	170070.98	BB	5090.3745	1.4734	1.0485	Toluene	1.0485
	7.638	4256.94	1011.06	BB	1.0000e6	----------	0.0000		0.0000
	8.840	479465.72	156729.48	BV	4606.5176	1.3236	1.0408	Ethyl_Benzene	1.0408
12	9.023	1017048.88	303812.16	VB	4535.4439	2.8076	2.2425	m and p Xylene	2.2425
13	9.594	478540.81	153475.58	BB	4546.4194	1.3210	1.0526	o-Xylene	1.0526
	10.314	281639.34	90644.77	BB	2826.7400	0.7775	0.9963	4-BROMOFLUOROBENZENE	0.9963
	11.519	3237.18	845.77	BB	1.0000e6	----------	0.0000		0.0000
	14.661	3736.26	976.33	BB	1.0000e6	----------	0.0000		0.0000
17	16.979	5947.76	2719.78	BB	9.9999e5	----------	0.0001		0.0001
18	17.152	866.77	160.77	BV	1.0000e6	----------	0.0000		0.0000
	17.255	1084.70	293.10	VV	9.9999e5	----------	0.0000		0.0000
	17.345	4342.91	2302.14	VB	1.0000e6	----------	0.0000		0.0000
21	17.607	424.27	213.45	BB	1.0000e6	----------	0.0000		0.0000
24	17.904	1337.86	416.90	BV	1.0000e6	----------	0.0000		0.0000
	17.983	3270.28	886.08	VB	1.0000e6	----------	0.0000		0.0000
		4345243.00	1.37e6				10.4938		10.4938

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__704.TXO

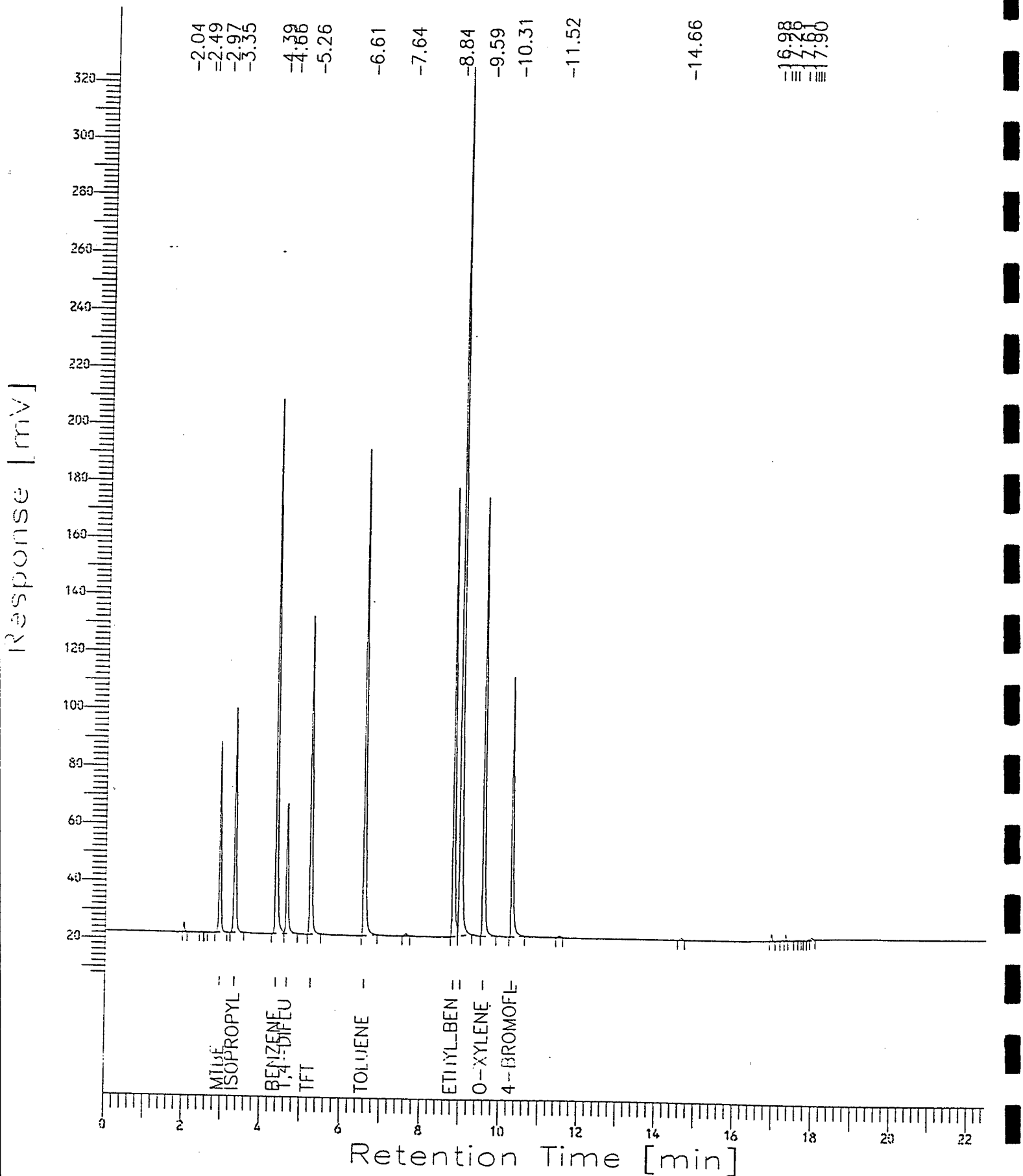
Chromatogram

Sample Name : 100
FileName : l:\data\tchrom\btex\hp_o\00__704.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 7 mV

Sample #: TC ;S;1
Date : 07/19/95 17:41
Time of Injection: 07/19/95 17:19
Low Point : 7.24 mV
Plot Scale: 317 mV

High Point : 324.00 mV



Software Version: 3.2 <16C20>
Sample Name : 200
Sample Number: TC ;S;1
Operator : fab

Instrument : HP_O
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # :
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__705.raw
Result File : l:\data\tchrom\btex\hp_o\00__705.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj Volume : 2 ul
Sample Amount : 1.0000

Time : 07/19/95 18:21
Study : BTEXS;1;PQL

Channel : B A/D mV Range : 1024

Data Acquisition Time: 07/19/95 17:58

Area Reject : 300.00
Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.045	18826.94	7940.07	BB	1.0000e6	----------	0.0001		0.0001
2	2.492	438.66	162.16	BB	1.0000e6	----------	0.0000		0.0000
3	2.594	808.81	327.54	BB	1.0000e6	----------	0.0000		0.0000
4	2.970	378915.63	122299.94	BB	2041.6495	1.0306	0.9280	MTBE	0.9280
5	3.354	491769.09	146399.53	BB	2491.2151	1.3376	0.9870	ISOPROPYLETHER	0.9870
6	4.395	1082354.63	356170.13	BV	5426.8862	2.9440	0.9972	Benzene	0.9972
7	4.662	152011.13	46306.74	VB	1415.6090	0.4135	0.5369	1,4-DIFLUOROBENZENE	0.5369
8	5.260	367652.78	111895.81	BB	----------	1.0000	0.0000	TFT	0.0000
9	6.605	1037342.44	326299.28	BB	5166.2935	2.8215	1.0040	Toluene	1.0040
10	7.637	3743.08	883.06	BB	1.0000e6	----------	0.0000		0.0000
11	8.842	927120.63	293992.09	BV	4675.2207	2.5217	0.9915	Ethyl_Benzene	0.9915
12	9.028	1902914.88	552621.75	VB	4603.0864	5.1759	2.0670	m and p Xylene	2.0670
13	9.596	928041.56	294655.72	BB	4614.2256	2.5242	1.0056	o-Xylene	1.0056
14	10.314	284479.28	91709.94	BB	2868.8987	0.7738	0.4958	4-BROMOFLUOROBENZENE	0.4958
16	11.520	3507.09	919.19	BB	1.0000e6	----------	0.0000		0.0000
17	14.664	4721.77	1228.32	BB	1.0000e6	----------	0.0000		0.0000
19	16.893	394.68	91.86	BV	1.0000e6	----------	0.0000		0.0000
20	16.985	5722.81	2509.53	VB	1.0000e6	----------	0.0000		0.0000
21	17.162	765.53	153.28	BV	1.0000e6	----------	0.0000		0.0000
22	17.265	1120.15	293.81	VV	1.0000e6	----------	0.0000		0.0000
23	17.354	3901.20	2029.03	VB	1.0000e6	----------	0.0000		0.0000
24	17.618	652.33	218.37	BB	1.0000e6	----------	0.0000		0.0000
26	18.003	2110.67	345.49	BB	9.9999e5	----------	0.0000		0.0000
28	19.210	4218.03	40.15	BB	9.9999e5	----------	0.0000		0.0000
		7603534.00	2.35e6				9.0133		9.0133

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__705.TXO

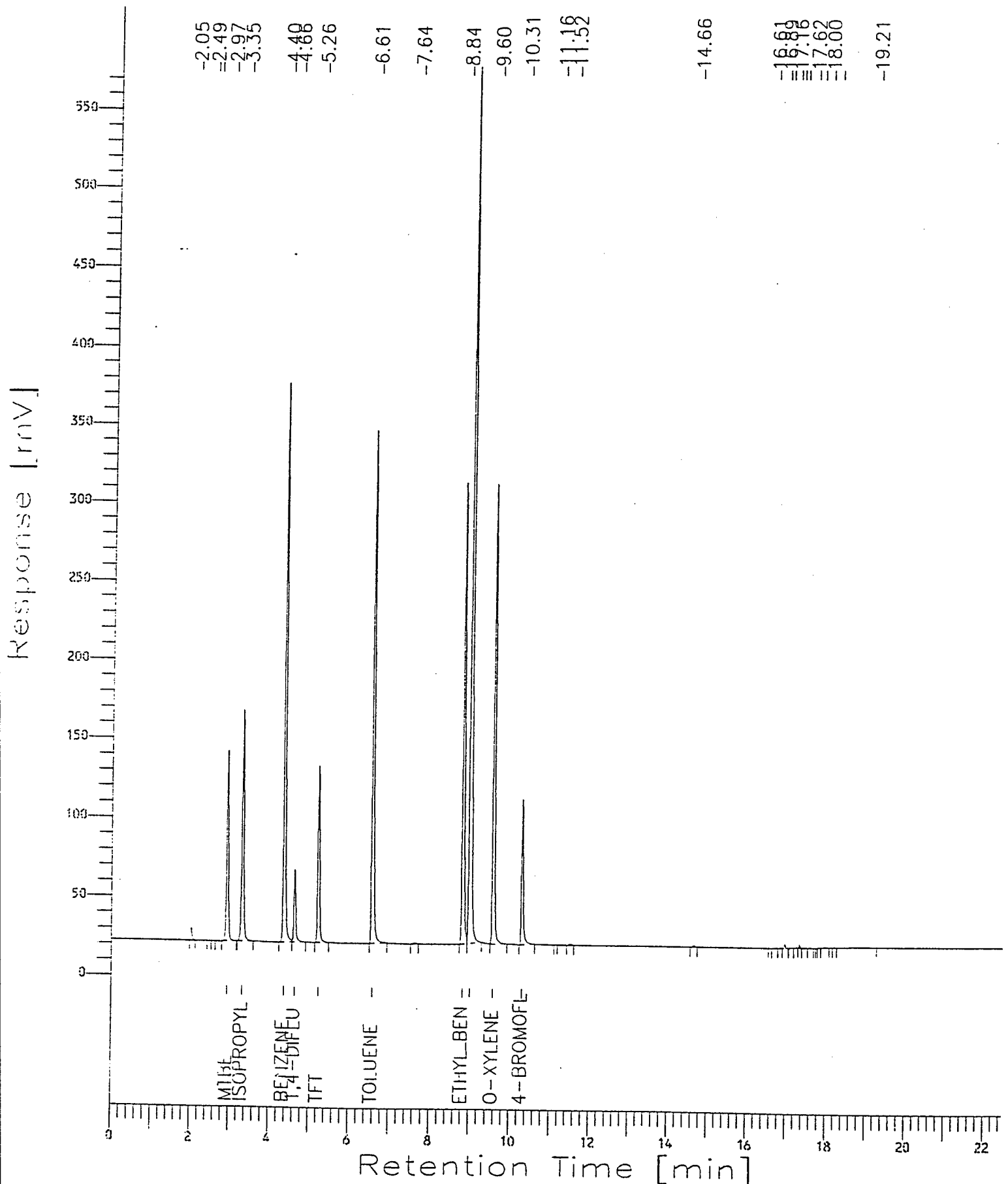
Chromatogram

Sample Name : 200
FileName : l:\data\tchrom\btex\hp_o\00__705.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: -5 mV

Sample #: TC ;S;1
Date : 07/19/95 18:21
Time of Injection: 07/19/95 17:58
Low Point : -5.43 mV
Plot Scale: 581 mV

High Point : 575.12 mV



Software Version: 3.2 <16C20>
Sample Name : 500 Time : 07/19/95 18:52
Sample Number: TC ;S;1 Study : BTEXS;1;PQL
Operator : fab

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Active Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/19/95 18:29
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__706.raw
Result File : l:\data\tchrom\btex\hp_o\00__706.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS070595.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.064	104892.33	44465.93	BE	1.0000e6	----------	0.0002		0.0002
2	2.182	374.88	136.24	EB	1.0000e6	----------	0.0000		0.0000
3	2.506	949.18	371.22	BV	1.0000e6	----------	0.0000		0.0000
4	2.604	2724.75	1049.84	VB	1.0000e6	----------	0.0000		0.0000
5	2.986	790592.00	228122.75	BB	2061.4873	2.1297	0.7670	MTBE	0.7670
6	3.362	1120168.13	320047.72	BB	2515.4214	3.0175	0.8906	ISOPROPYLETHER	0.8906
7	3.817	337.71	142.30	BB	1.0000e6	----------	0.0000		0.0000
8	4.407	2533998.75	793968.19	BV	5479.6172	6.8260	0.9249	Benzene	0.9249
9	4.672	160816.55	48923.40	VB	1429.3639	0.4332	0.2250	1,4-DIFLUOROBENZENE	0.2250
10	5.269	371225.13	114260.06	BB	----------	1.0000	0.0000	TFT	0.0000
11	6.619	2412002.50	721198.94	BB	5216.4927	6.4974	0.9248	Toluene	0.9248
12	7.646	4668.21	1085.48	BB	1.0000e6	----------	0.0000		0.0000
13	8.859	2134711.25	614685.81	BV	4720.6480	5.7505	0.9044	Ethyl_Benzene	0.9044
14	9.051	4111433.75	1.00e6	VB	4647.8125	11.0753	1.7692	m and p Xylene	1.7692
15	9.613	2136720.75	636169.19	BB	4659.0606	5.7559	0.9172	o-Xylene	0.9172
16	10.319	294694.38	96139.16	BB	2896.7747	0.7938	0.2035	4-BROMOFLUOROBENZENE	0.2035
17	11.155	2279.36	551.63	BB	1.0000e6	----------	0.0000		0.0000
18	11.524	3387.55	880.74	BB	1.0000e6	----------	0.0000		0.0000
20	14.665	4410.78	1152.05	BB	9.9999e5	----------	0.0000		0.0000
21	16.982	5577.50	2579.22	BB	9.9999e5	----------	0.0000		0.0000
22	17.158	839.75	158.65	BV	1.0000e6	----------	0.0000		0.0000
23	17.261	1059.08	280.30	VV	1.0000e6	----------	0.0000		0.0000
24	17.349	5073.92	2615.88	VB	1.0000e6	----------	0.0000		0.0000
26	17.917	882.31	287.48	BV	1.0000e6	----------	0.0000		0.0000
27	17.994	4297.98	629.86	VV	9.9999e5	----------	0.0000		0.0000
28	18.186	1332.30	247.69	VV	9.9999e5	----------	0.0000		0.0000
29	19.194	8035.31	29.98	VB	1.0000e6	----------	0.0000		0.0000
		16217485.00	4.63e6				7.5269		7.5269

END

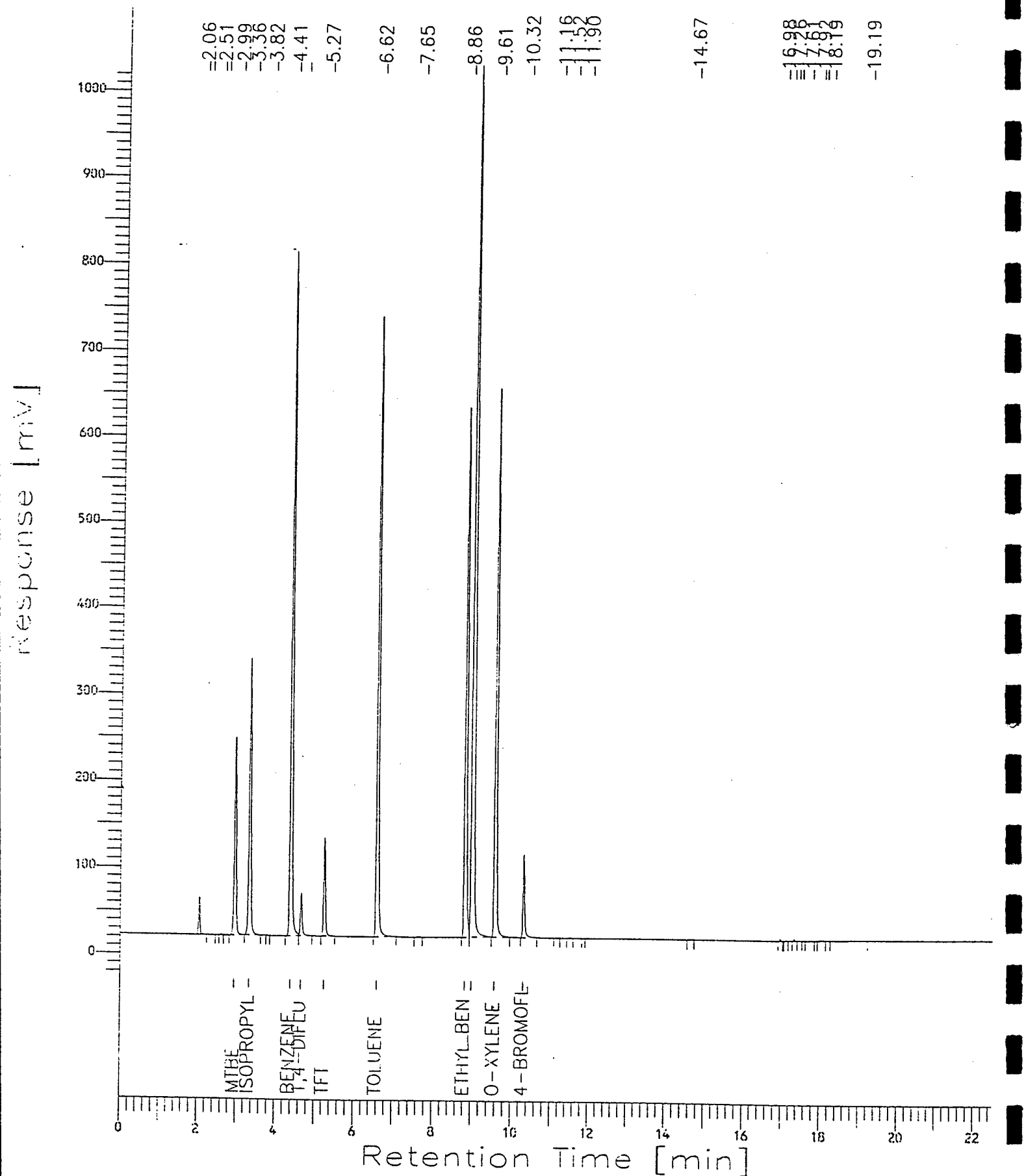
Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__706.TXO

Chromatogram

Sample Name : 500
FileName : l:\data\tchrom\btex\hp_o\00__706.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: -28 mV

Sample #: TC ;S;1
Date : 07/19/95 18:52
Time of Injection: 07/19/95 18:29
Low Point : -27.79 mV
Plot Scale: 1052 mV



Software Version: 3.2 <16C20>
Sample Name : 0.18 Time : 07/06/95 14:15
Sample Number: TC ;S;1 Study : MODSG;1;PQL
Operator : RR

Instrument : HP_O Channel : A A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/06/95 13:51
Delay Time : 0.00 min.
End Time : 24.38 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\O___174.raw
Result File : l:\data\tchrom\btex\hp_o\O___174.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

OSG 07065

0.18 / 73.7192 = 0.0024416

X=2.6772
RSD% = 4.67%

PURFID Area Percent Report

Peak	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	4.793	94289.91	14114.50	BV	2.0000e6	3.6800	0.5782		0.0471	0.5782
2	7.702	106332.95	13596.61	VV	4601.6108	3.6800	0.5782	Benzene	23.1078	0.5782
3	7.843	48452.59	9329.39	VV	2.0000e6	3.6800	0.5782		0.0242	0.5782
4	8.052	33329.38	6207.54	VV	2.0000e6	3.6800	0.5782		0.0167	0.5782
5	8.243	207322.39	43939.88	VV	2250.5051	3.6800	0.5782	1,4-DIFLUOROBENZENE	92.1226	0.5782
6	8.873	507081.06	93592.15	VV	----------	3.6800	0.5782	TFT	0.0000	0.5782
7	10.612	142053.61	29275.17	VB	4592.9839	3.6800	0.5782	Toluene	30.9284	0.5782
8	13.037	43687.28	9887.69	BV	4080.7319	3.6800	0.5782	Ethyl_Benzene	10.7058	0.5782
9	13.186	92471.98	20332.52	VV	3799.1519	3.6800	0.5782	m and p Xylene	24.3402	0.5782
10	13.863	90302.79	20134.99	VV	3973.8272	3.6800	0.5782	o-Xylene	22.7244	0.5782
11	14.792	119549.22	28042.97	VV	1273.9037	3.6800	0.5782	4-BROMOFLUOROBENZENE	93.8448	0.5782
12	16.125	84827.99	18235.21	VB	2.0000e6	3.6800	0.5782		0.0424	0.5782
13	19.972	244.31	526.90	BB	2.0000e6	3.6800	0.5782		0.0001	0.5782
14	20.192	1199.20	512.82	BB	1.9999e6	3.6800	0.5782		0.0006	0.5782
		1571144.63	307728.34			51.5200	8.0945		297.9050	8.0945

Group Report For : SURROGATES

Peak	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.243	207322.39	43939.88	VV	2250.5051	3.6800	0.3069	1,4-DIFLUOROBENZENE	92.1226	0.3069
3	8.873	507081.06	93592.15	VV	----------	3.6800	0.3069	TFT	0.0000	0.3069
4	14.792	119549.22	28042.97	BV	1273.9037	3.6800	0.3069	4-BROMOFLUOROBENZENE	93.8448	0.3069
		833952.63	165575.00			11.0400	0.9207		185.9674	0.9207

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___174.TXO

7/11/95

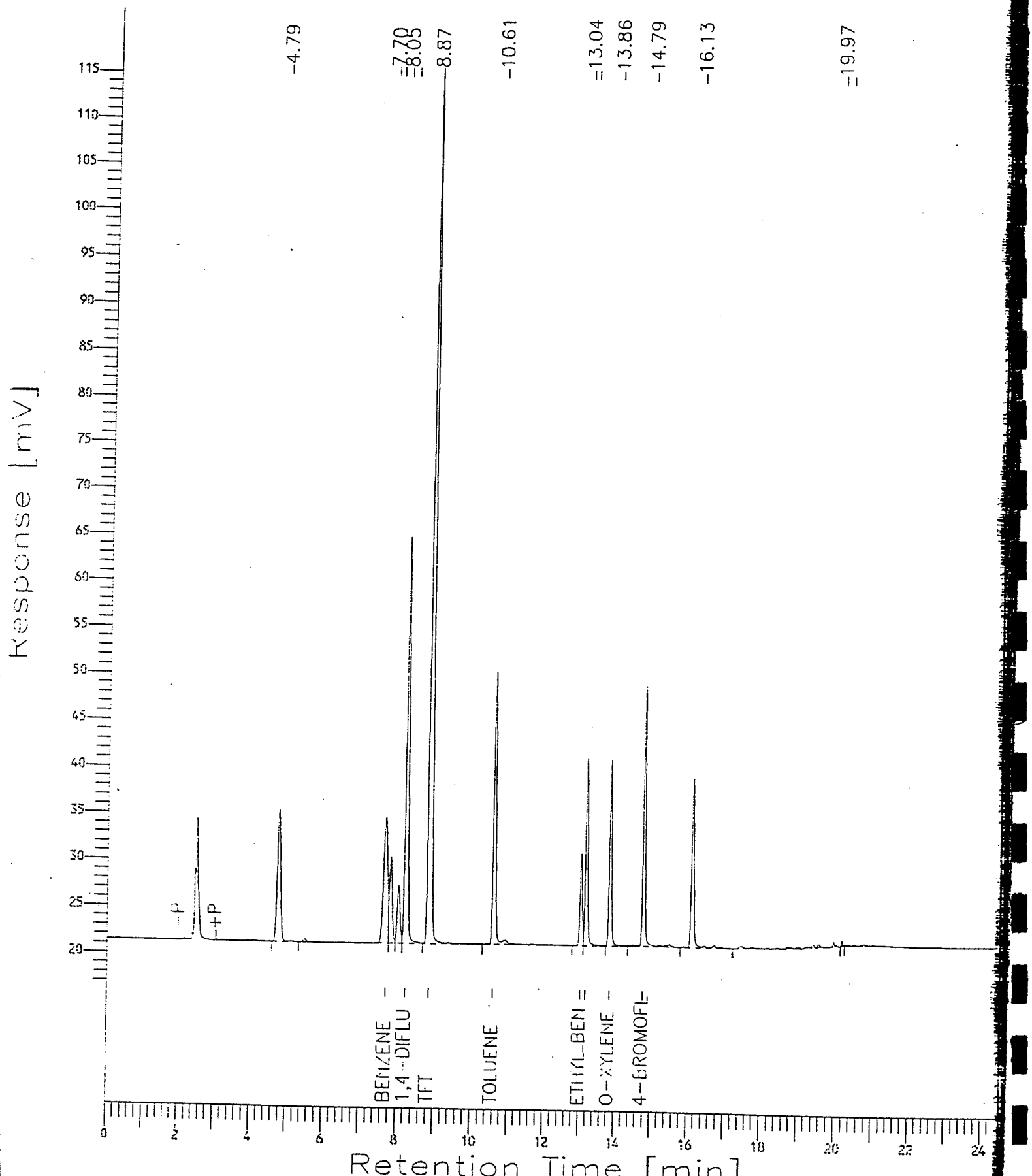
Chromatogram

Sample Name : 0.18
FileName : l:\data\tchrom\btex\hp_o\0___174.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 24.38 min
Plot Offset: 17 mV

Sample #: TC ;S;1
Date : 07/06/95 14:15
Time of Injection: 07/06/95 13:51
Low Point : 16.74 mV
Plot Scale: 98 mV

High Point : 115.02 mV



ftware Version: 3.2 <16C20>
mple Name : 0.36 Time : 07/06/95 14:46
mp Number: TC ;S;1 Study : MODSG;1;PQL
er or : RR

strument : HP_O Channel : A A/D mV Range : 1024
toSampler : NONE
ck ial : 0/0

terface Serial # : Data Acquisition Time: 07/06/95 14:22
lay Time : 0.00 min.
d me : 24.38 min.
mp ng Rate : 2.5000 pts/sec

w Data File : l:\data\tchrom\btex\hp_o\0___175.raw
sult File : l:\data\tchrom\btex\hp_o\0___175.rst
st ment File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
oc s File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.prc
mple File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
quence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

j. olume : 2 ul Area Reject : 100.00
mp Amount : 1.0000 Dilution Factor : 1.00

0.34 / 137.46764 = 0.0026187

PURFID Area Percent Report

eak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	4.794	181721.17	26899.07	BV	2.0000e6	3.6800	0.8065		0.0909	0.8065
2	7.701	194207.61	25478.05	VV	4486.6480	3.6800	0.8065	Benzene	43.2857	0.8065
3	7.841	90358.30	17874.42	VV	2.0000e6	3.6800	0.8065		0.0452	0.8065
4	8.049	62328.23	11662.22	VV	2.0000e6	3.6800	0.8065		0.0312	0.8065
5	8.241	200259.69	42420.46	VV	2194.2803	3.6800	0.8065	1,4-DIFLUOROBENZENE	91.2644	0.8065
6	8.871	494412.56	91068.14	VV	----------	3.6800	0.8065	TFT	0.0000	0.8065
7	10.609	263516.47	56394.76	VB	4478.2358	3.6800	0.8065	Toluene	58.8438	0.8065
8	13.034	83173.69	19041.78	BV	3978.7820	3.6800	0.8065	Ethyl_Benzene	20.9043	0.8065
9	13.183	171836.25	38696.47	VV	3704.2368	3.6800	0.8065	m and p Xylene	46.3891	0.8065
10	13.862	169618.28	38349.82	VV	3874.5481	3.6800	0.8065	o-Xylene	43.7776	0.8065
11	14.792	122280.63	29542.50	VV	1242.0775	3.6800	0.8065	4-BROMOFLUOROBENZENE	98.4485	0.8065
12	16.125	153081.86	34997.01	VB	2.0000e6	3.6800	0.8065		0.0765	0.8065
13	19.967	3785.76	2852.25	BB	2.0000e6	3.6800	0.8065		0.0019	0.8065
14	20.189	1048.75	442.86	BB	2.0000e6	3.6800	0.8065		0.0005	0.8065
		2191629.25	435719.78			51.5200	11.2913		403.1595	11.2913

roup Report For : SURROGATES

eak #	et Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.241	200259.69	42420.46	VV	2194.2803	3.6800	0.3006	1,4-DIFLUOROBENZENE	91.2644	0.3006
3	8.871	494412.56	91068.14	VV	----------	3.6800	0.3006	TFT	0.0000	0.3006
8	14.792	122280.63	29542.50	BV	1242.0775	3.6800	0.3006	4-BROMOFLUOROBENZENE	98.4485	0.3006
		816952.88	163031.09			11.0400	0.9019		189.7129	0.9019

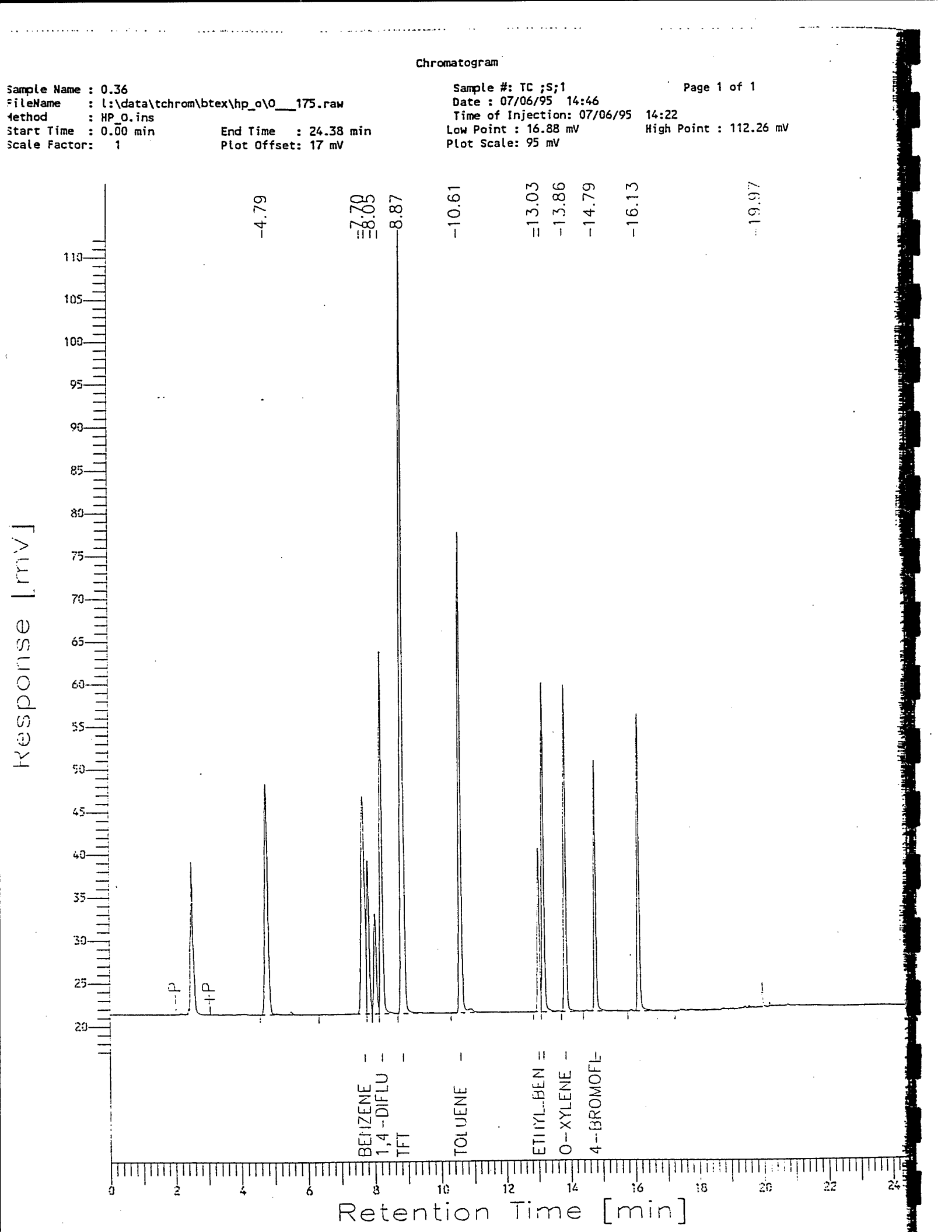
ND

epo Stored in ASCII File: l:\data\tchrom\btex\hp_o\0___175.TXO

Chromatogram

Sample Name : 0.36
FileName : l:\data\tchrom\btex\hp_o\O___175.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 24.38 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 07/06/95 14:46
Time of Injection: 07/06/95 14:22
Low Point : 16.88 mV High Point : 112.26 mV
Plot Scale: 95 mV



Software Version: 3.2 <16C20>
Sample Name : 0.72
Sample Number: TC ;S;1
Operator : RR

Time : 07/06/95 15:22
Study : MODSG;1;PQL

Instrument : HP_O
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1024

Interface Serial # :
Delay Time : 0.00 min.
End Time : 24.38 min.
Sampling Rate : 2.5000 pts/sec

Data Acquisition Time: 07/06/95 14:53

$\frac{0.72}{273.07633} = \Theta_{in}^{2.6366}$

Raw Data File : l:\data\tchrom\btex\hp_o\O___176.raw
Result File : l:\data\tchrom\btex\hp_o\O___176.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Inj Volume : 2 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	4.792	353334.47	52905.31	BV	2.0000e6	3.6800	1.3009		0.1767	1.3009
2	7.696	385719.97	50951.72	VV	4394.2275	3.6800	1.3009	Benzene	87.7788	1.3009
3	7.835	178543.08	35166.49	VV	2.0000e6	3.6800	1.3009		0.0893	1.3009
4	8.043	125337.87	23846.76	VV	2.0000e6	3.6800	1.3009		0.0627	1.3009
5	8.235	194738.81	40961.25	VV	2149.0806	3.6800	1.3009	1,4-DIFLUOROBENZENE	90.6149	1.3009
6	8.865	484228.19	88911.91	VV	----------	3.6800	1.3009	TFT	0.0000	1.3009
7	10.603	506668.94	110258.28	VB	4385.9898	3.6800	1.3009	Toluene	115.5199	1.3009
8	13.026	162713.03	37488.04	BV	3896.8232	3.6800	1.3009	Ethyl_Benzene	41.7553	1.3009
9	13.176	329441.97	75499.34	VV	3627.9338	3.6800	1.3009	m and p Xylene	90.8071	1.3009
10	13.854	325196.25	74091.48	VV	3794.7368	3.6800	1.3009	o-Xylene	85.6967	1.3009
11	14.785	125431.77	29078.28	VV	1216.4921	3.6800	1.3009	4-BROMOFLUOROBENZENE	103.1094	1.3009
12	15.864	3443.58	585.25	VV	2.0000e6	3.6800	1.3009		0.0017	1.3009
13	16.118	290015.78	67641.46	VB	2.0000e6	3.6800	1.3009		0.1450	1.3009
14	18.308	18066.36	818.96	BV	2.0000e6	3.6800	1.3009		0.0090	1.3009
15	18.443	2784.05	696.12	VB	2.0000e6	3.6800	1.3009		0.0014	1.3009
16	18.746	3412.93	826.56	BV	2.0000e6	3.6800	1.3009		0.0017	1.3009
17	18.842	11352.50	2715.75	VV	2.0000e6	3.6800	1.3009		0.0057	1.3009
18	19.184	4524.70	848.00	VV	2.0000e6	3.6800	1.3009		0.0023	1.3009
19	19.278	6379.83	1076.35	VV	2.0000e6	3.6800	1.3009		0.0032	1.3009
20	19.391	4098.53	822.22	VV	1.9999e6	3.6800	1.3009		0.0021	1.3009
21	19.541	5872.22	758.29	VV	2.0000e6	3.6800	1.3009		0.0029	1.3009
22	19.854	4253.63	837.96	VV	1.9999e6	3.6800	1.3009		0.0021	1.3009
23	19.957	7147.06	1867.90	VB	2.0000e6	3.6800	1.3009		0.0036	1.3009
24	20.169	2456.58	941.02	BB	2.0000e6	3.6800	1.3009		0.0012	1.3009
		3535162.00	699594.56			88.3200	31.2226		615.7925	31.2226

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.235	194738.81	40961.25	VV	2149.0806	3.6800	0.2960	1,4-DIFLUOROBENZENE	90.6149	0.2960
3	8.865	484228.19	88911.91	VV	----------	3.6800	0.2960	TFT	0.0000	0.2960
8	14.785	125431.77	29078.28	BV	1216.4921	3.6800	0.2960	4-BROMOFLUOROBENZENE	103.1094	0.2960
		804398.75	158951.44			11.0400	0.8881		193.7244	0.8881

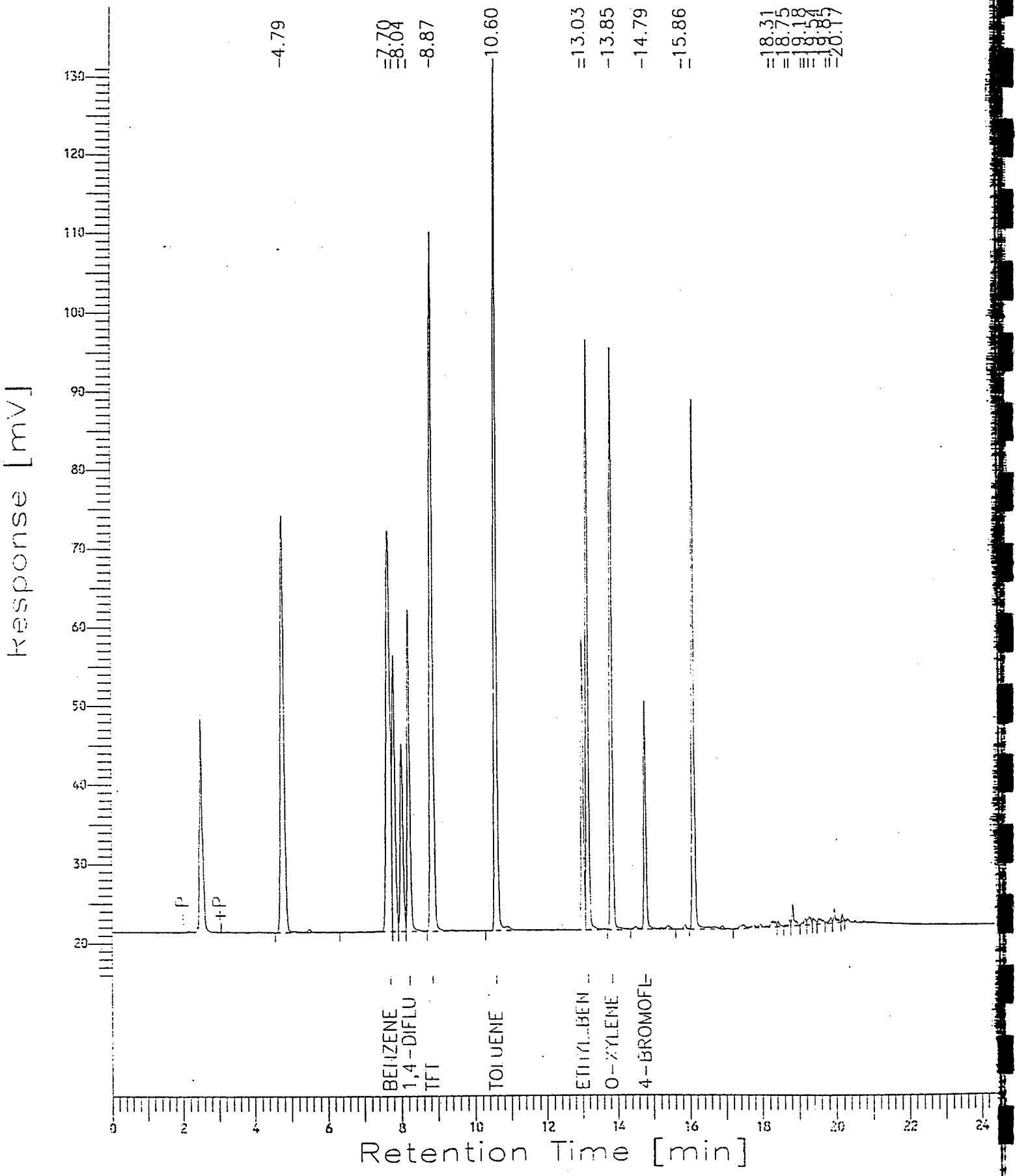
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___176.TXO

Chromatogram

Sample Name : 0.72
FileName : l:\data\tchrom\btex\hp_o\O___176.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 24.38 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 07/06/95 15:22
Time of Injection: 07/06/95 14:53
Low Point : 15.94 mV High Point : 131.20 mV
Plot Scale: 115 mV



tware Version: 3.2 <16C20>
ple Name : 0.9 Time : 07/06/95 15:49
pl Number: TC ;S;1 Study : MODSG;1;PQL
ra r : RR

trument : HP_O Channel : A A/D mV Range : 1024
oSampler : NONE
k/ al : 0/0

erface Serial # : Data Acquisition Time: 07/06/95 15:24
ay Time : 0.00 min.
i e : 24.38 min.
pl g Rate : 2.5000 pts/sec

Data File : l:\data\tchrom\btex\hp_o\O___177.raw
sult File : l:\data\tchrom\btex\hp_o\O___177.rst
st ent File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
ce File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
mple File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
quence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

j. lume : 2 ul Area Reject : 100.00
mp Amount : 1.0000 Dilution Factor : 1.00

$\frac{0.9}{332.409} = 2.7075$

PURFID Area Percent Report

ak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	4.793	432749.47	64671.77	BV	2.0000e6	3.6800	1.5250		0.2164	1.5250
2	7.698	460382.94	61334.79	VV	4448.1314	3.6800	1.5250	Benzene	103.5003	1.5250
3	7.837	228258.84	44652.13	VV	2.0000e6	3.6800	1.5250		0.1141	1.5250
4	8.044	150719.55	28733.06	VV	1.9999e6	3.6800	1.5250		0.0754	1.5250
5	8.237	198492.41	41926.87	VV	2175.4431	3.6800	1.5250	1,4-DIFLUOROBENZENE	91.2423	1.5250
6	8.866	490168.16	90246.78	VV	----------	3.6800	1.5250	TFT	0.0000	1.5250
7	10.604	638954.19	140418.59	VV	4439.7915	3.6800	1.5250	Toluene	143.9154	1.5250
8	13.027	205818.81	47511.89	VV	3944.6252	3.6800	1.5250	Ethyl_Benzene	52.1770	1.5250
9	13.177	416454.41	95918.94	VV	3672.4370	3.6800	1.5250	m and p Xylene	113.4000	1.5250
0	13.856	413706.50	94529.52	VV	3841.2864	3.6800	1.5250	o-Xylene	107.7000	1.5250
1	14.786	131211.95	30010.54	VV	1231.4146	3.6800	1.5250	4-BROMOFLUOROBENZENE	106.5538	1.5250
2	16.119	373286.97	87271.08	VB	2.0000e6	3.6800	1.5250		0.1866	1.5250
3	20.189	3758.17	468.92	BB	2.0000e6	3.6800	1.5250		0.0019	1.5250
		4143962.50	827694.88			47.8400	19.8247		719.0833	19.8247

cu Report For : SURROGATES

ak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.237	198492.41	41926.87	VV	2175.4431	3.6800	0.3017	1,4-DIFLUOROBENZENE	91.2423	0.3017
3	8.866	490168.16	90246.78	VV	----------	3.6800	0.3017	TFT	0.0000	0.3017
8	14.786	131211.95	30010.54	VV	1231.4146	3.6800	0.3017	4-BROMOFLUOROBENZENE	106.5538	0.3017
		819872.50	162184.19			11.0400	0.9051		197.7961	0.9051

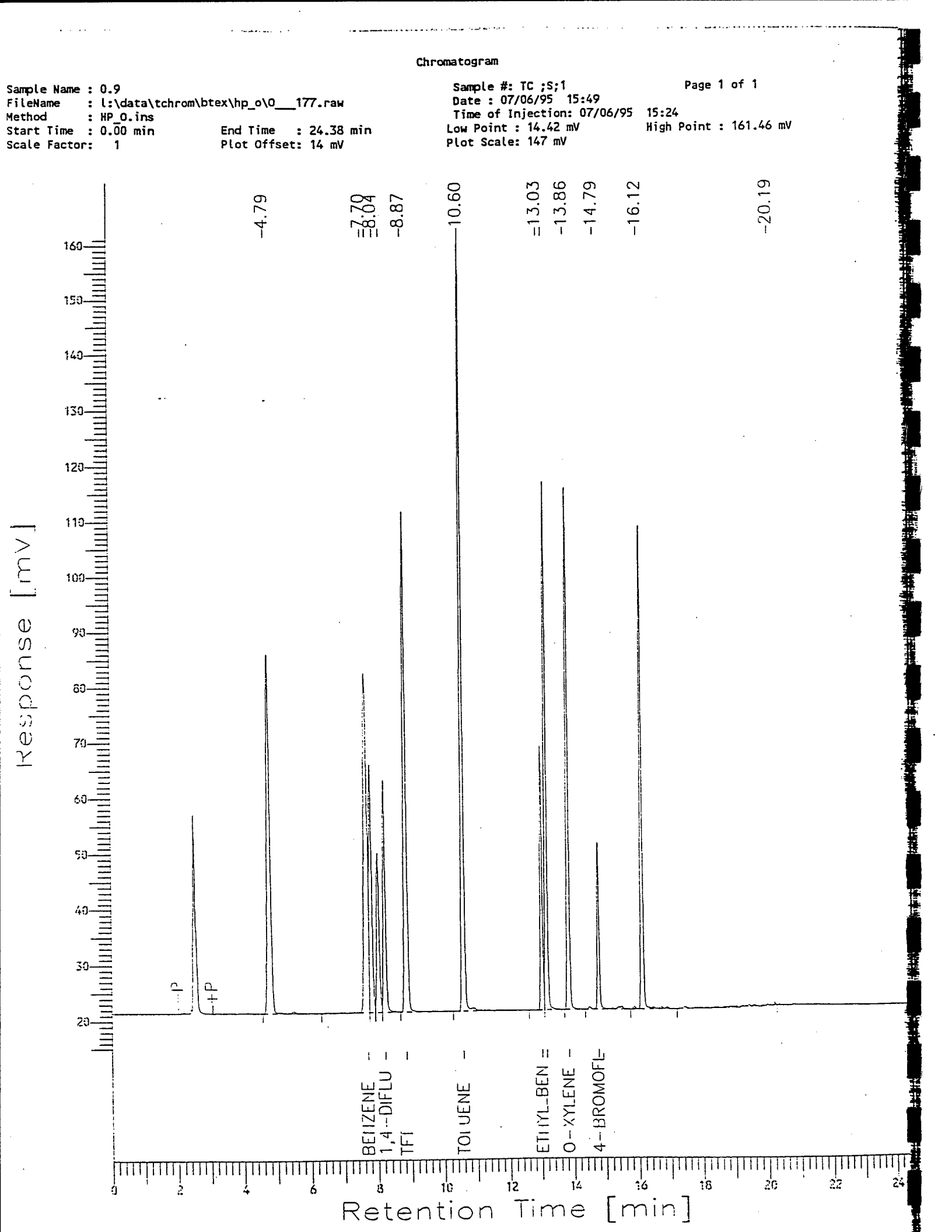
iD

epo Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___177.TXO

Chromatogram

Sample Name : 0.9
FileName : l:\data\tchrom\btex\hp_o\O___177.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 24.38 min
Scale Factor: 1 Plot Offset: 14 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 07/06/95 15:49
Time of Injection: 07/06/95 15:24
Low Point : 14.42 mV High Point : 161.46 mV
Plot Scale: 147 mV



Software Version: 3.2 <16C20>
Sample Name : 1.8 Time : 07/06/95 16:20
Sample Number: TC ;S;1 Study : MODSG;1;PQL
Operator : RR

Instrument : HP_O Channel : A A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/06/95 15:56
Delay Time : 0.00 min.
End Time : 24.38 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\O___178.raw
Result File : l:\data\tchrom\btex\hp_o\O___178.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OSGO6215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Inj Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

1.8 / 653.2574 = 2.7554

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	4.788	849053.31	128070.42	BV	2.0000e6	3.6800	2.7107		0.4245	2.7107
2	7.694	926829.50	121956.88	VV	4550.1880	3.6800	2.7107	Benzene	203.6904	2.7107
3	7.833	438510.81	89041.41	VV	2.0000e6	3.6800	2.7107		0.2193	2.7107
4	8.039	289881.84	55680.61	VV	1.9999e6	3.6800	2.7107		0.1449	2.7107
5	8.233	205795.58	43579.38	VV	2225.3562	3.6800	2.7107	1,4-DIFLUOROBENZENE	92.4776	2.7107
6	8.863	501414.50	92440.83	VV	----------	3.6800	2.7107	TFT	0.0000	2.7107
7	10.603	1251583.25	277553.16	VB	4541.6582	3.6800	2.7107	Toluene	275.5785	2.7107
8	13.026	406712.63	94607.15	BV	4035.1304	3.6800	2.7107	Ethyl_Benzene	100.7929	2.7107
9	13.177	813821.81	189844.14	VV	3756.6973	3.6800	2.7107	m and p Xylene	216.6323	2.7107
10	13.856	817163.81	189035.05	VV	3929.4199	3.6800	2.7107	o-Xylene	207.9604	2.7107
11	14.502	4023.09	695.80	VV	2.0000e6	3.6800	2.7107		0.0020	2.7107
12	14.784	126368.41	30559.46	VV	1259.6680	3.6800	2.7107	4-BROMOFLUOROBENZENE	100.3188	2.7107
13	15.865	4508.92	947.63	VV	2.0000e6	3.6800	2.7107		0.0023	2.7107
14	16.120	721093.38	174040.33	VB	2.0000e6	3.6800	2.7107		0.3606	2.7107
15	20.188	9391.30	375.12	BB	2.0000e6	3.6800	2.7107		0.0047	2.7107
		7366152.50	1.48e6			55.2000	40.6612		1198.6090	40.6612

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.233	205795.58	43579.38	VV	2225.3562	3.6800	0.3068	1,4-DIFLUOROBENZENE	92.4776	0.3068
3	8.863	501414.50	92440.83	VV	----------	3.6800	0.3068	TFT	0.0000	0.3068
8	14.784	126368.41	30559.46	BV	1259.6680	3.6800	0.3068	4-BROMOFLUOROBENZENE	100.3188	0.3068
		833578.50	166579.66			11.0400	0.9203		192.7964	0.9203

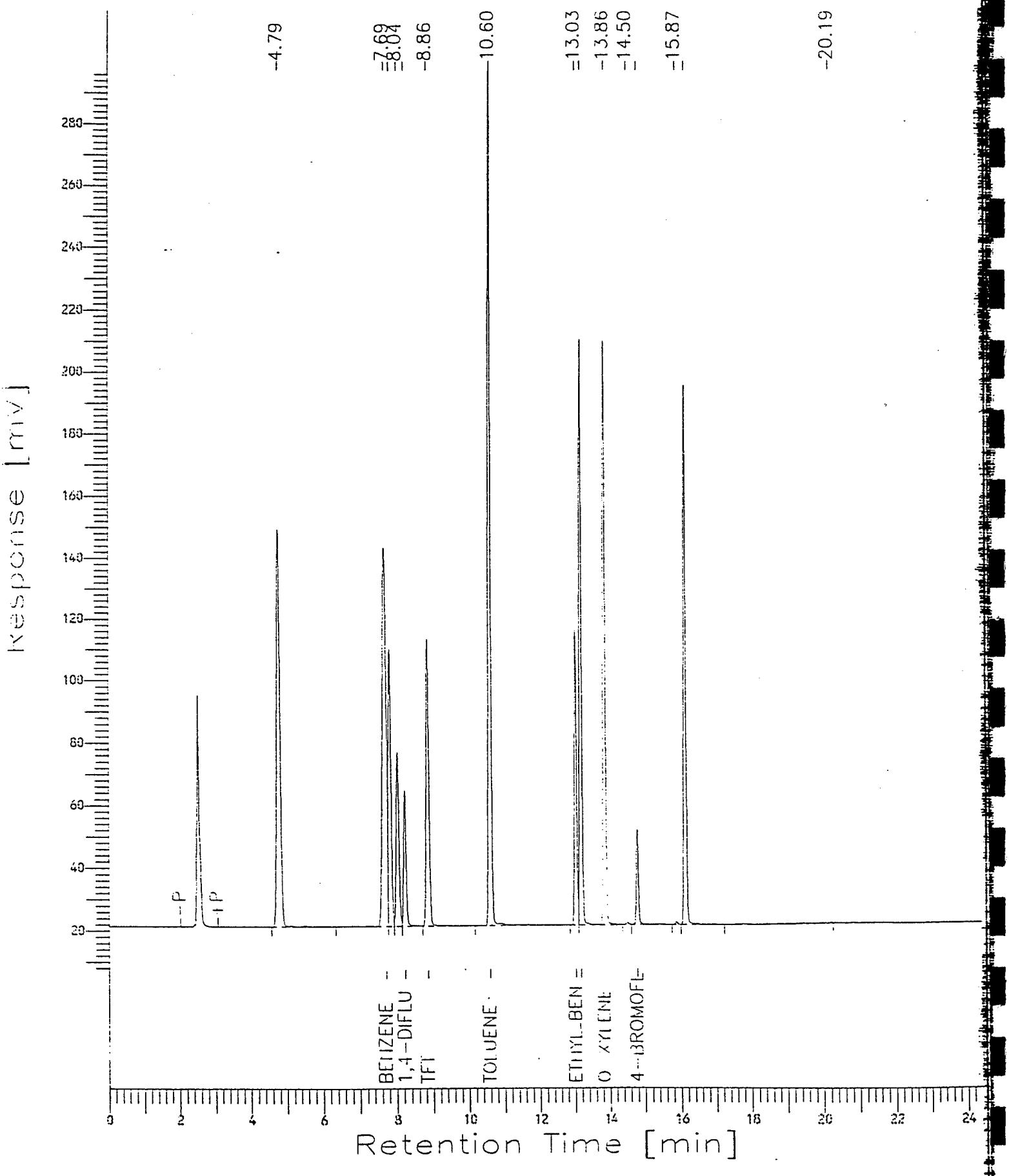
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___178.TXO

Chromatogram

Sample Name : 1.8
FileName : l:\data\tchrom\btex\hp_o\0___178.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 24.38 min
Scale Factor: 1 Plot Offset: 8 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 07/06/95 16:20
Time of Injection: 07/06/95 15:56
Low Point : 7.62 mV High Point : 297.53 mV
Plot Scale: 290 mV



Software Version: 3.2 <16C20>
Data Name : 3.6 Time : 07/06/95 16:52
Data Number: TC ;S;1 Study : MODSG;1;PQL
Operator : RR

Instrument : HP_O Channel : A A/D mV Range : 1024
Autosampler : NONE
Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/06/95 16:27
Delay Time : 0.00 min.
Run Time : 24.38 min.
Sampling Rate : 2.5000 pts/sec

Data File : l:\data\tchrom\btex\hp_o\O___179.raw
Result File : l:\data\tchrom\btex\hp_o\O___179.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Method File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Injection Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

3.6 / 1297.2376 = 2.7751

PURFID Area Percent Report

Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
3.801	1674488.25	252969.11	BV	1.9999e6	3.6800	5.0805		0.8372	5.0805
5.704	1760408.38	232372.22	VV	4576.4111	3.6800	5.0805	Benzene	384.6701	5.0805
7.839	889869.56	180856.98	VV	2.0000e6	3.6800	5.0805		0.4449	5.0805
9.046	566375.69	109479.11	VV	2.0000e6	3.6800	5.0805		0.2832	5.0805
9.239	209036.23	43775.05	VV	2238.1807	3.6800	5.0805	1,4-DIFLUOROBENZENE	93.3956	5.0805
9.868	504304.13	92655.27	VV	----------	3.6800	5.0805	TFT	0.0000	5.0805
10.610	2516888.00	562311.94	VB	4567.8311	3.6800	5.0805	Toluene	551.0029	5.0805
13.030	819009.56	191770.33	BV	4058.3848	3.6800	5.0805	Ethyl_Benzene	201.8068	5.0805
17.183	1638365.13	382524.69	VV	3778.3467	3.6800	5.0805	m and p Xylene	433.6196	5.0805
17.862	1638789.75	380751.06	VV	3952.0652	3.6800	5.0805	o-Xylene	414.6667	5.0805
18.503	7278.27	1419.72	VV	2.0000e6	3.6800	5.0805		0.0036	5.0805
19.787	119987.02	29611.17	VV	1266.9274	3.6800	5.0805	4-BROMOFLUOROBENZENE	94.7071	5.0805
21.484	5880.67	736.18	VV	2.0000e6	3.6800	5.0805		0.0029	5.0805
21.865	8734.90	1901.61	VV	2.0000e6	3.6800	5.0805		0.0044	5.0805
22.125	1435495.38	348811.56	VV	2.0000e6	3.6800	5.0805		0.7178	5.0805
23.397	3635.50	696.46	VB	2.0000e6	3.6800	5.0805		0.0018	5.0805
24.182	7158.08	307.71	BB	2.0000e6	3.6800	5.0805		0.0036	5.0805
	13805703.00	2.81e6			62.5600	86.3685		2176.1682	86.3685

Report For : SURROGATES

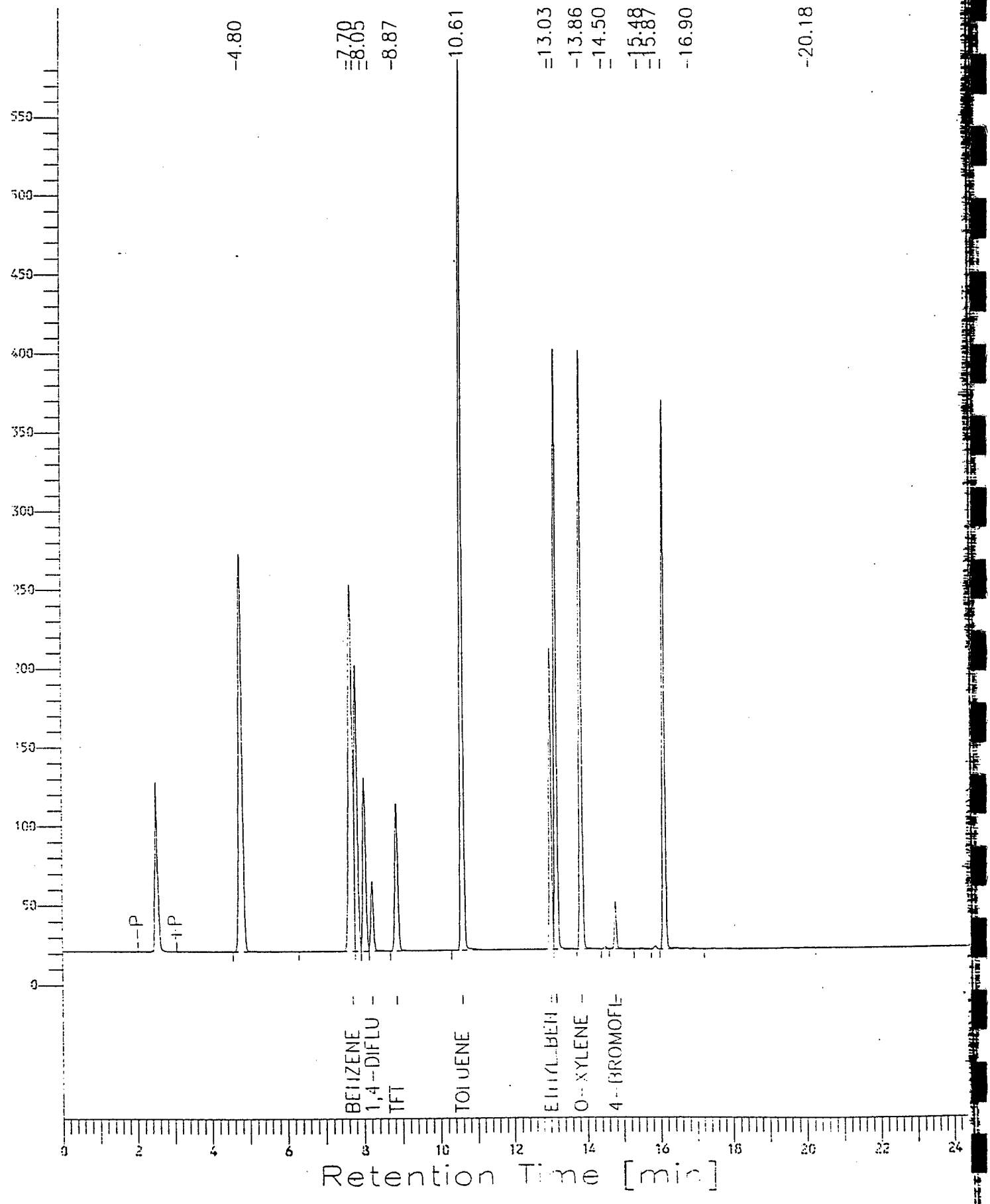
Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
9.239	209036.23	43775.05	VV	2238.1807	3.6800	0.3067	1,4-DIFLUOROBENZENE	93.3956	0.3067
9.868	504304.13	92655.27	VV	----------	3.6800	0.3067	TFT	0.0000	0.3067
19.787	119987.02	29611.17	BV	1266.9274	3.6800	0.3067	4-BROMOFLUOROBENZENE	94.7071	0.3067
	833327.38	166041.48			11.0400	0.9200		188.1027	0.9200

Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___179.TXO

Chromatogram

Name : 3.6
: l:\data\tchrom\btex\hp_o\O___179.raw
: HP_O.ins
me : 0.00 min End Time : 24.38 min
ctor: 1 Plot Offset: -7 mV

Sample #: TC ;S;1
Date : 07/06/95 16:52
Time of Injection: 07/06/95 16:27
Low Point : -6.54 mV High Point : 580.62 mV
Plot Scale: 587 mV



Software Version: 3.2 <16C20>
Sample Name : 7.2 Time : 07/07/95 08:56
Sample Number: TC ;S;1 Study : MODSG;1;PQL
Operator : RR

Instrument : HP_O Channel : A A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 07/06/95 17:14
Delay Time : 0.00 min.
End Time : 24.38 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\O___180.raw
Result File : l:\data\tchrom\btex\hp_o\O___180.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OSG06215.smp
Sequence File : l:\data\tchrom\btex\methods\btexo2.seq

Inj Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

$\frac{7.2}{2565.8607} = 2.806$

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
	4.795	3347084.50	506333.13	BV	2.0000e6	3.6800	9.7554		1.6735	9.7554
2	6.983	17547.09	1655.41	VV	2.0000e6	3.6800	9.7554		0.0088	9.7554
3	7.699	3545139.50	469780.94	VV	4663.2940	3.6800	9.7554	Benzene	760.2222	9.7554
	7.833	1775693.63	358920.75	VV	2.0000e6	3.6800	9.7554		0.8879	9.7554
	8.038	1125325.38	217994.34	VV	2.0000e6	3.6800	9.7554		0.5627	9.7554
6	8.232	214783.58	44755.87	VV	2280.6726	3.6800	9.7554	1,4-DIFLUOROBENZENE	94.1755	9.7554
7	8.861	513878.34	94197.35	VV	----------	3.6800	9.7554	TFT	0.0000	9.7554
8	10.610	4858547.00	1.00e6	VB	4654.5513	3.6800	9.7554	Toluene	1043.8272	9.7554
	13.031	1631795.63	380066.38	BV	4135.4326	3.6800	9.7554	Ethyl_Benzene	394.5888	9.7554
1	13.187	3217729.75	748458.13	VV	3850.0784	3.6800	9.7554	m and p Xylene	835.7570	9.7554
11	13.867	3244720.50	746262.25	VV	4027.0950	3.6800	9.7554	o-Xylene	805.7224	9.7554
12	14.501	13335.62	2666.17	VV	2.0000e6	3.6800	9.7554		0.0067	9.7554
1	14.786	121857.84	30336.75	VV	1290.9801	3.6800	9.7554	4-BROMOFLUOROBENZENE	94.3917	9.7554
1	15.480	7697.78	1014.84	VV	2.0000e6	3.6800	9.7554		0.0039	9.7554
15	15.863	18848.74	3873.74	VV	2.0000e6	3.6800	9.7554		0.0094	9.7554
16	16.132	2845701.50	686116.94	VV	2.0000e6	3.6800	9.7554		1.4229	9.7554
1	16.898	6026.43	1232.66	VB	2.0000e6	3.6800	9.7554		0.0030	9.7554
1	19.429	680.05	505.71	BB	1.9999e6	3.6800	9.7554		0.0003	9.7554
1	19.545	1539.73	443.31	BB	2.0000e6	3.6800	9.7554		0.0008	9.7554
20	20.169	1193.13	521.47	BB	2.0000e6	3.6800	9.7554		0.0006	9.7554
		26509126.00	5.29e6			73.6000	195.1071		4033.2649	195.1071

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	8.232	214783.58	44755.87	VV	2280.6726	3.6800	0.3130	1,4-DIFLUOROBENZENE	94.1755	0.3130
	8.861	513878.34	94197.35	VV	----------	3.6800	0.3130	TFT	0.0000	0.3130
	14.786	121857.84	30336.75	VV	1290.9801	3.6800	0.3130	4-BROMOFLUOROBENZENE	94.3917	0.3130
		850519.75	169289.97			11.0400	0.9390		188.5673	0.9390

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\O___180.TXO

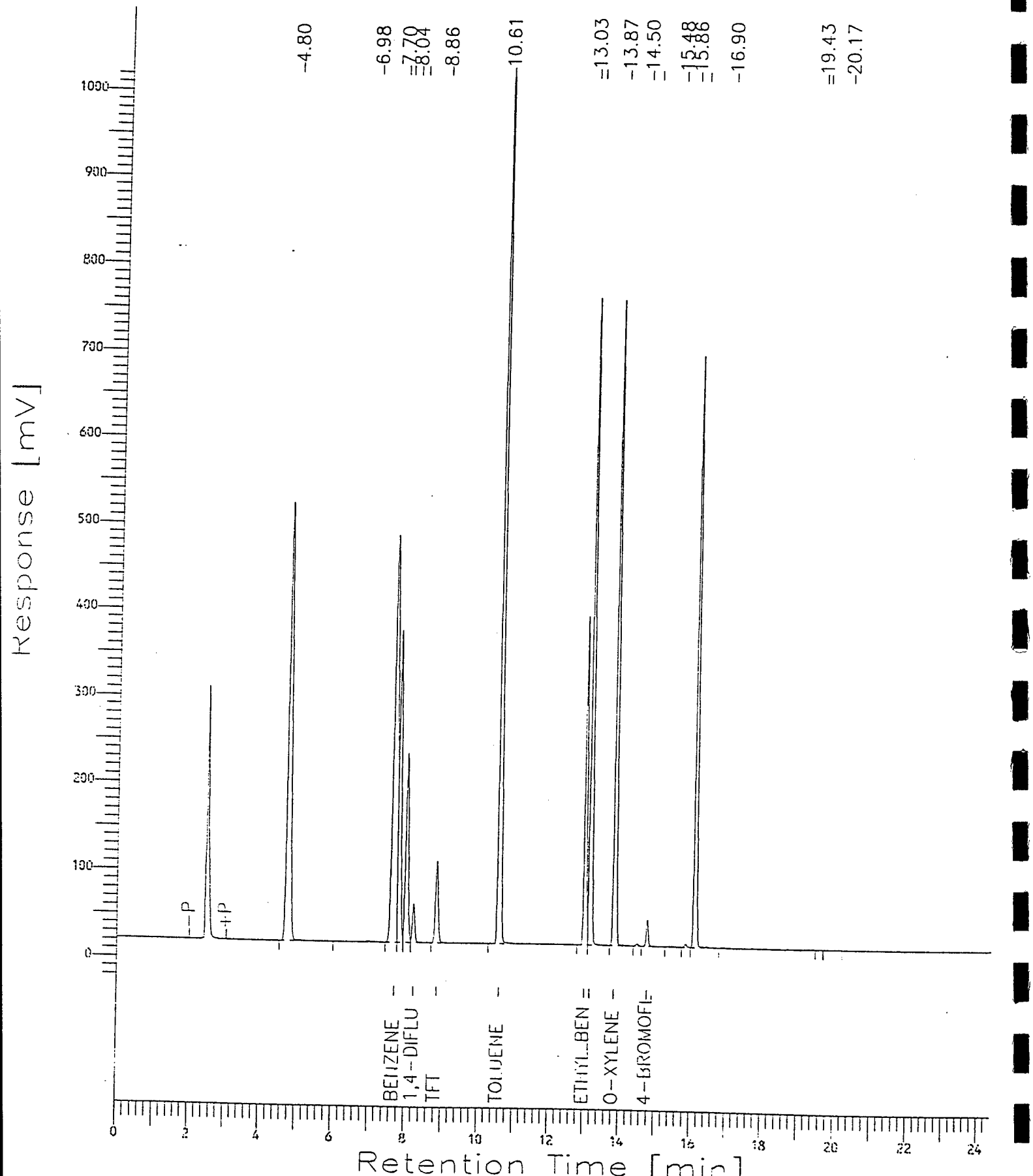
Chromatogram

Sample Name : 7.2
FileName : l:\data\tchrom\btex\hp_o\0___180.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 24.38 min
Plot Offset: -29 mV

Sample #: TC ;S;1
Date : 07/07/95 08:56
Time of Injection: 07/06/95 17:14
Low Point : -28.70 mV
Plot Scale: 1053 mV

High Point : 1024.00 mV



** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

PAGE

Matrix: Soil
Units: µg/Kg

Batch Id: HP_O950815135600

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	34	68.0	51 - 125
Toluene	ND	50	41	82.0	52 - 126
EthylBenzene	ND	50	45	90.0	53 - 125
O Xylene	ND	50	48	96.0	32 - 160
M & P Xylene	ND	100	99	99.0	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	20	100	22	110	9.52	33	47 - 143
Toluene	ND	20	19	95.0	21	105	10.0	35	46 - 148
EthylBenzene	ND	20	19	95.0	21	105	10.0	40	32 - 151
O Xylene	ND	20	19	95.0	20	100	5.13	24	18 - 144
M & P Xylene	ND	40	40	100	43	108	7.69	23	25 - 139

Analyst: KA
Sequence Date: 08/15/95
SPL ID of sample spiked: 9508478-07A
Sample File ID: CO__596.TX0
Method Blank File ID:
Blank Spike File ID: OO__588.TX0
Matrix Spike File ID: OO__592.TX0
Matrix Spike Duplicate File ID: OO__593.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source:

SAMPLES IN BATCH(SPL ID):

9508518-01A 9508518-12A 9508518-13A 9508518-10A
9508104-01B 9508461-03A 9508461-04A 9508461-01A
9508461-02A 9508548-02A 9508548-01A 9508521-03A
9508518-05A 9508518-02A 9508293-09A 9508478-06A
9508478-07A

8/16/95

Cynthia Schreiner, QC Officer

Software Version: 3.2 <16C20>
Sample Name : STD_50 Time : 08/15/95 14:19
Sample Number: TC ;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/15/95 13:56
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__589.raw
Result File : l:\data\tchrom\btex\hp_o\00__589.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.095	7260.27	2812.32	BB	1.0000e6	----------	0.0073		0.0073
2	2.553	547.64	163.83	BB	1.0000e6	----------	0.0006		0.0006
3	3.023	108363.77	36916.38	BB	1918.6763	0.2936	56.4784	MTBE	56.4784
4	3.402	123960.61	38831.59	BB	2510.5371	0.3359	49.3761	ISOPROPYLETHER	49.3761
5	4.444	275565.97	90490.72	BV	5552.5161	0.7466	49.6290	Benzene	49.6290
6	4.709	146095.61	45951.00	VB	1421.1145	0.3958	102.8035	1,4-DIFLUOROBENZENE	102.8035
7	5.306	369082.66	114063.16	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.647	262594.59	82356.89	BB	5307.8330	0.7115	49.4730	Toluene	49.4730
9	7.665	3295.82	765.33	BB	1.0000e6	----------	0.0033		0.0033
10	8.873	237118.58	77040.29	BV	4765.8467	0.6425	49.7537	Ethyl_Benzene	49.7537
11	9.054	518177.25	155037.48	VB	5013.0283	1.4040	103.3661	m and p Xylene	103.3661
12	9.627	240154.25	76387.77	BB	4736.4092	0.6507	50.7039	o-Xylene	50.7039
13	10.347	237989.72	73044.91	BB	2880.0562	0.6448	82.6337	4-BROMOFLUOROBENZENE	82.6337
14	11.545	3204.25	827.73	BB	1.0000e6	----------	0.0032		0.0032
15	14.687	9428.12	2435.16	BB	1.0000e6	----------	0.0094		0.0094
18	17.002	21427.14	9810.05	BB	9.9999e5	----------	0.0214		0.0214
19	17.377	1749.82	862.57	BB	1.0000e6	----------	0.0018		0.0018
		2566016.00	807797.25				594.2644		594.2644

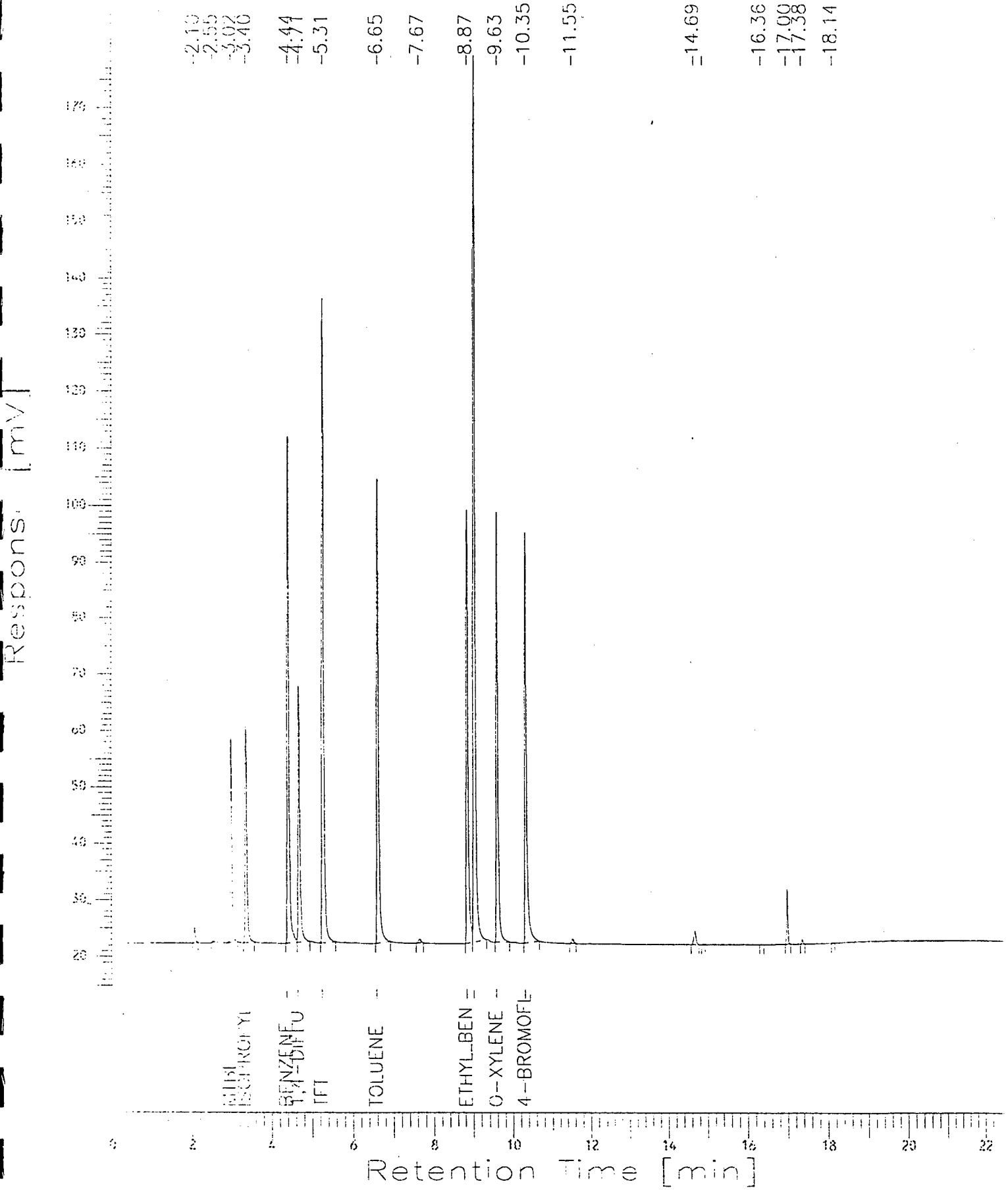
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__589.TXO

Chromatogram

Sample Name : STD_50
FileName : l:\data\tchrom\btex\hp_o\00__589.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 15 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 08/15/95 14:19
Time of Injection: 08/15/95 13:56
Low Point : 14.54 mV High Point : 177.63 mV
Plot Scale: 163 mV



Software Version: 3.2 <16C20>
Sample Name : LCS_50
Sample Number: TL ;S;1
Operator : KA

Time : 08/15/95 13:51
Study : BTEXS;1;PQL

Instrument : HP_O
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1024

Interface Serial # :
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Data Acquisition Time: 08/15/95 13:28

Raw Data File : l:\data\tchrom\btex\hp_o\00__588.raw
Result File : l:\data\tchrom\btex\hp_o\00__588.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul
Sample Amount : 1.0000

Area Reject : 300.00
Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.095	5827.85	2333.43	BB	1.0000e6	----------	0.0058		0.0058
2	2.557	614.01	169.87	BB	1.0000e6	----------	0.0006		0.0006
3	3.024	74975.38	25218.08	BB	1918.1410	0.2032	39.0875	MTBE	39.0875
4	3.405	1731.76	507.60	BB	2509.8367	0.0047	0.6900	ISOPROPYLETHER	0.6900
5	4.445	186264.33	60774.23	BV	5550.9668	0.5048	33.5553	Benzene	33.5553
6	4.710	145522.88	45946.88	VB	1420.7181	0.3944	102.4291	1,4-DIFLUOROBENZENE	102.4291
7	5.308	368979.69	114198.76	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.649	216974.06	67383.91	BB	5306.3521	0.5880	40.8895	Toluene	40.8895
9	7.669	3466.22	802.26	BB	1.0000e6	----------	0.0035		0.0035
10	8.875	213765.17	69414.13	BV	4764.5171	0.5793	44.8661	Ethyl_Benzene	44.8661
11	9.056	495846.28	148247.31	VB	5011.6299	1.3438	98.9391	m and p Xylene	98.9391
12	9.628	225373.72	71364.45	BB	4735.0869	0.6108	47.5965	o-Xylene	47.5965
13	10.349	238479.25	73424.27	BB	2879.2527	0.6463	82.8268	4-BROMOFLUOROBENZENE	82.8268
14	11.544	30165.81	7851.13	BB	1.0000e6	----------	0.0302		0.0302
15	11.926	969.49	259.28	BB	1.0000e6	----------	0.0010		0.0010
16	14.689	47937.17	12374.65	BB	9.9999e5	----------	0.0479		0.0479
17	14.903	954.20	284.24	BB	1.0000e6	----------	0.0010		0.0010
18	15.111	740.46	200.81	BB	1.0000e6	----------	0.0007		0.0007
19	15.278	530.28	144.93	BB	1.0000e6	----------	0.0005		0.0005
22	17.002	28891.76	13185.24	BB	1.0000e6	----------	0.0289		0.0289
23	17.377	1592.27	781.96	BB	1.0000e6	----------	0.0016		0.0016
		2289602.00	714867.31				491.0016		491.0016

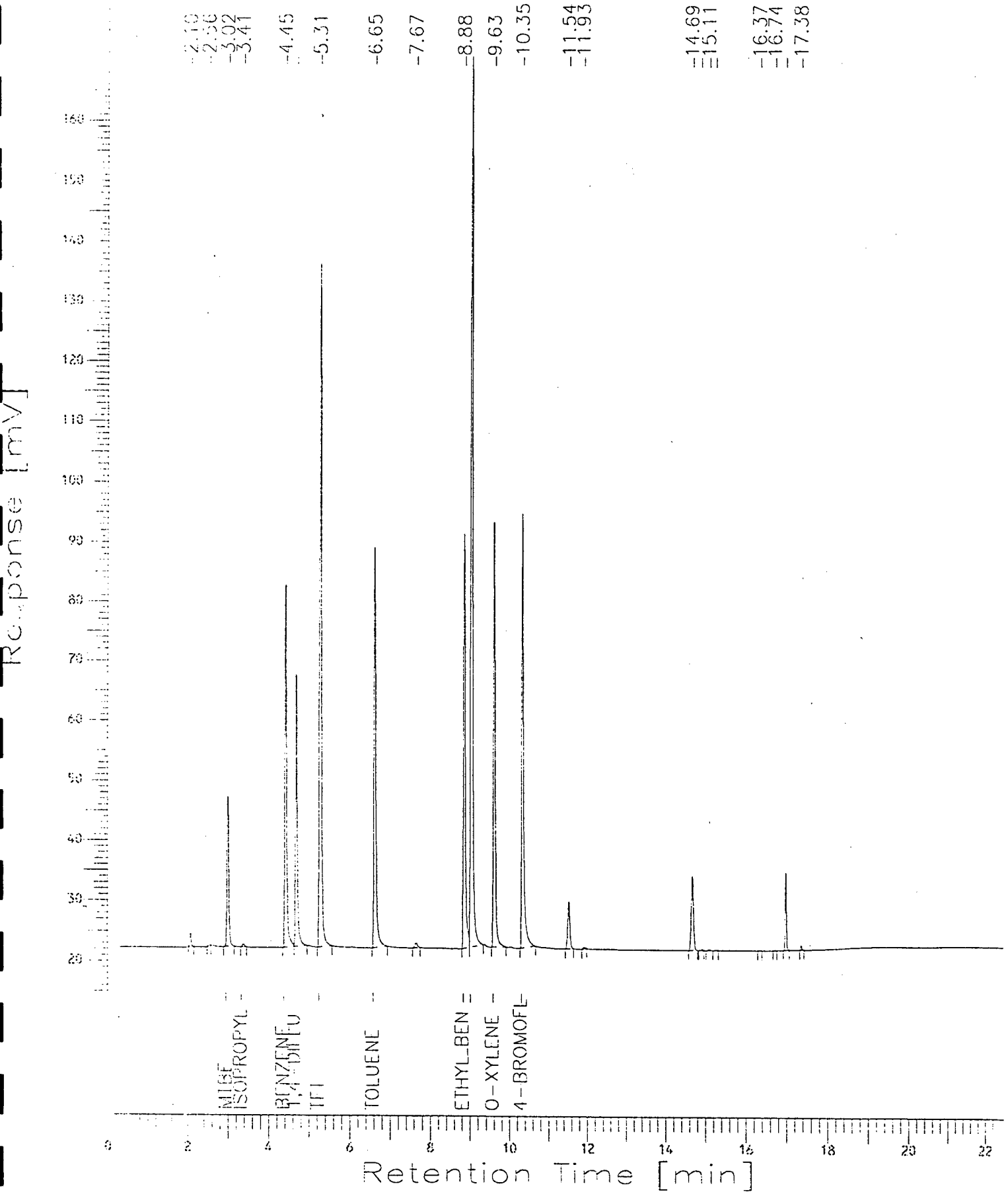
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__588.TXO

Chromatogram

Sample Name : LCS_50
FileName : l:\data\tchrom\btex\hp_o\00__588.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 15 mV

Sample #: TL ;S;1 Page 1 of 1
Date : 08/15/95 13:51
Time of Injection: 08/15/95 13:28
Low Point : 14.91 mV High Point : 169.37 mV
Plot Scale: 155 mV



Software Version: 3.2 <16C20>
Sample Name : 9508478-07A MSD Time : 08/15/95 16:20
Sample Number: KMD;S;1 Study : BTEXS;1;PQL
Operator : KA

Instrument : HP_O Channel : B A/D mV Range : 1024
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : Data Acquisition Time: 08/15/95 15:58
Delay Time : 0.00 min.
End Time : 22.49 min.
Sampling Rate : 2.5000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_o\00__592.raw
Result File : l:\data\tchrom\btex\hp_o\00__592.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume : 2 ul Area Reject : 300.00
Sample Amount : 1.0000 Dilution Factor : 1.00

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.097	25446.39	8496.01	BB	1.0000e6	----------	0.0255		0.0255
2	2.547	6840.45	1082.97	BV	1.0000e6	----------	0.0068		0.0068
3	2.633	11611.93	3041.45	VB	1.0000e6	----------	0.0116		0.0116
4	3.026	185084.50	63010.95	BB	1811.1691	0.5312	102.1906	MTBE	102.1906
5	3.405	47135.73	15529.45	BB	2369.8669	0.1353	19.8896	ISOPROPYLETHER	19.8896
7	4.447	106008.66	34715.67	BV	5241.3984	0.3043	20.2253	Benzene	20.2253
8	4.711	134689.61	42940.48	VB	1341.4868	0.3866	100.4032	1,4-DIFLUOROBENZENE	100.4032
9	5.308	348402.25	108470.60	BB	----------	1.0000	0.0000	TFT	0.0000
10	6.654	96993.09	29173.83	BB	5010.4243	0.2784	19.3583	Toluene	19.3583
11	7.668	3907.21	920.46	BB	1.0000e6	----------	0.0039		0.0039
12	8.880	86968.21	27150.79	BV	4498.8071	0.2496	19.3314	Ethyl_Benzene	19.3314
13	9.060	191642.44	55540.58	VB	4732.1387	0.5501	40.4981	m and p Xylene	40.4981
14	9.634	83368.76	26165.82	BB	4471.0190	0.2393	18.6465	o-Xylene	18.6465
15	10.354	200509.77	60107.54	BB	2718.6814	0.5755	73.7526	4-BROMOFLUOROBENZENE	73.7526
16	11.548	24978.03	6457.64	BB	1.0000e6	----------	0.0250		0.0250
17	14.694	6028.88	1575.08	BB	9.9999e5	----------	0.0060		0.0060
18	14.908	624.41	191.37	BB	1.0000e6	----------	0.0006		0.0006
20	17.003	12343.40	5615.15	BB	1.0000e6	----------	0.0123		0.0123
		1572583.63	490185.88				414.3872		414.3872

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__592.TXO

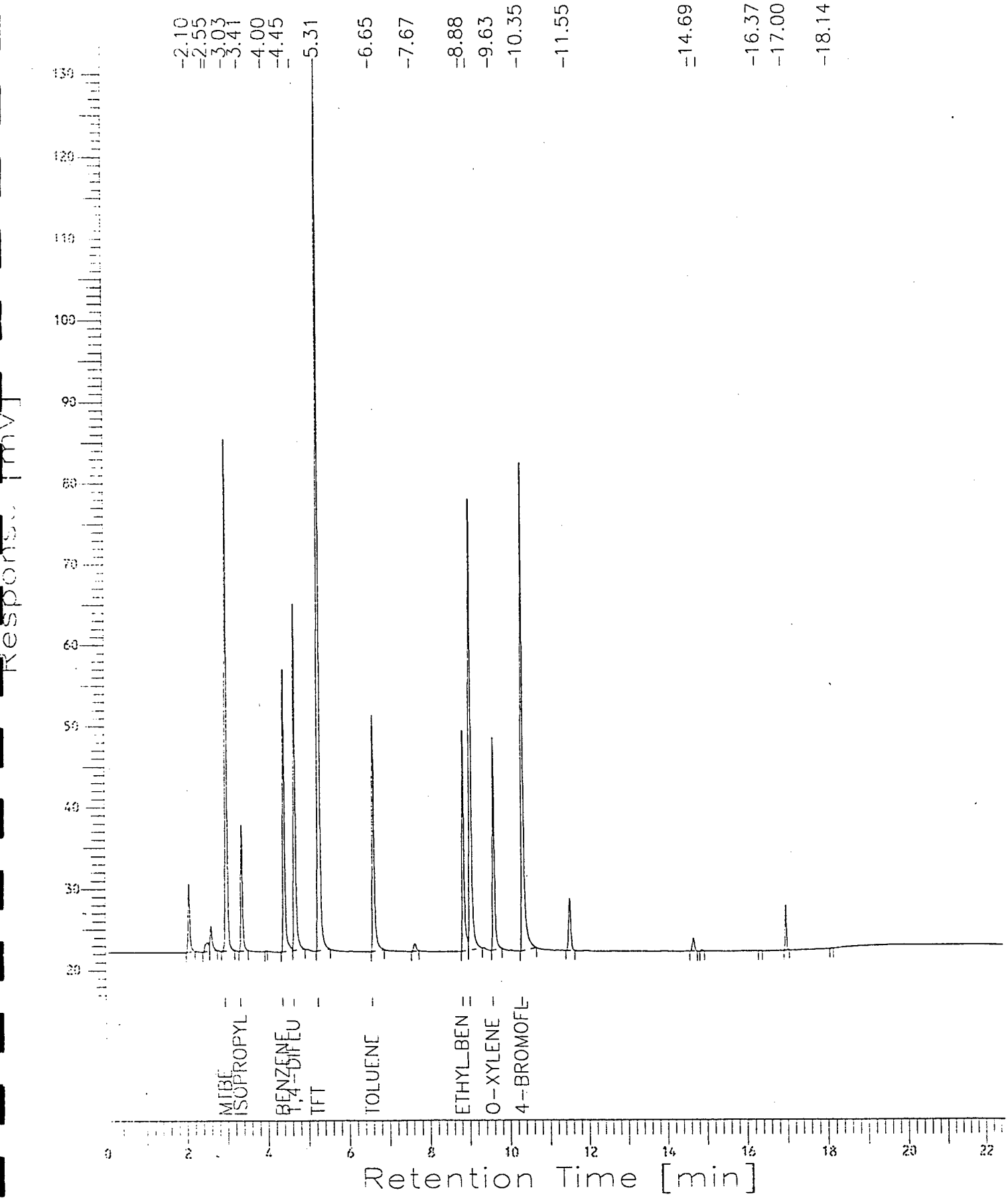
Chromatogram

Sample Name : 9508478-07A MSD
FileName : l:\data\tchrom\btex\hp_o\00__592.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: KMD;S;1
Date : 08/15/95 16:21
Time of Injection: 08/15/95 15:58
Low Point : 16.77 mV
Plot Scale: 114 mV

High Point : 130.76 mV



```
Software Version: 3.2 <16C20>
Sample Name  : 9508478-07A MS          Time         : 08/15/95  16:48
Sample Number: KM ;S;1                 Study        : BTEXS;1;PQL
Operator     : KA

Instrument   : HP_O                    Channel : B     A/D mV Range : 1024
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # :    Data Acquisition Time: 08/15/95  16:25
Delay Time     : 0.00   min.
End Time       : 22.49  min.
Sampling Rate  : 2.5000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_o\00__593.raw
Result File    : l:\data\tchrom\btex\hp_o\00__593.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume    : 2 ul                  Area Reject      : 300.00
Sample Amount  : 1.0000                Dilution Factor  : 1.00
```

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.099	26115.62	8617.02	BB	1.0000e6	----------	0.0261		0.0261
2	2.489	3673.47	1435.63	BV	1.0000e6	----------	0.0037		0.0037
3	2.534	6085.46	1445.51	VV	1.0000e6	----------	0.0061		0.0061
4	2.631	14158.83	3545.92	VB	1.0000e6	----------	0.0142		0.0142
5	3.028	222565.59	75047.98	BB	1680.9631	0.6883	132.4036	MTBE	132.4036
6	3.408	46995.61	15570.89	BB	2199.4956	0.1453	21.3665	ISOPROPYLETHER	21.3665
7	3.981	1767.50	274.42	BB	1.0000e6	----------	0.0018		0.0018
8	4.448	105968.24	34562.67	BV	4864.5908	0.3277	21.7836	Benzene	21.7836
9	4.715	121679.65	38750.25	VB	1245.0465	0.3763	97.7310	1,4-DIFLUOROBENZENE	97.7310
10	5.309	323355.41	100290.24	BB	----------	1.0000	0.0000	TFT	0.0000
11	6.652	96364.31	28868.44	BB	4650.2227	0.2980	20.7225	Toluene	20.7225
12	7.666	3980.42	948.81	BB	1.0000e6	----------	0.0040		0.0040
13	8.877	86465.07	27052.02	BV	4175.3857	0.2674	20.7083	Ethyl_Benzene	20.7083
14	9.058	188679.39	54433.48	VB	4391.9424	0.5835	42.9604	m and p Xylene	42.9604
15	9.631	81864.76	25521.17	BB	4149.5942	0.2532	19.7284	o-Xylene	19.7284
16	10.351	190491.06	56855.02	BB	2523.2339	0.5891	75.4948	4-BROMOFLUOROBENZENE	75.4948
17	11.545	23717.78	6042.43	BB	1.0000e6	----------	0.0237		0.0237
18	14.690	8943.79	2322.94	BB	1.0000e6	----------	0.0089		0.0089
19	14.903	400.95	129.58	BB	1.0000e6	----------	0.0004		0.0004
21	17.000	22107.75	10198.31	BB	1.0000e6	----------	0.0221		0.0221
		1575380.75	491912.78				453.0100		453.0100

```
END
```

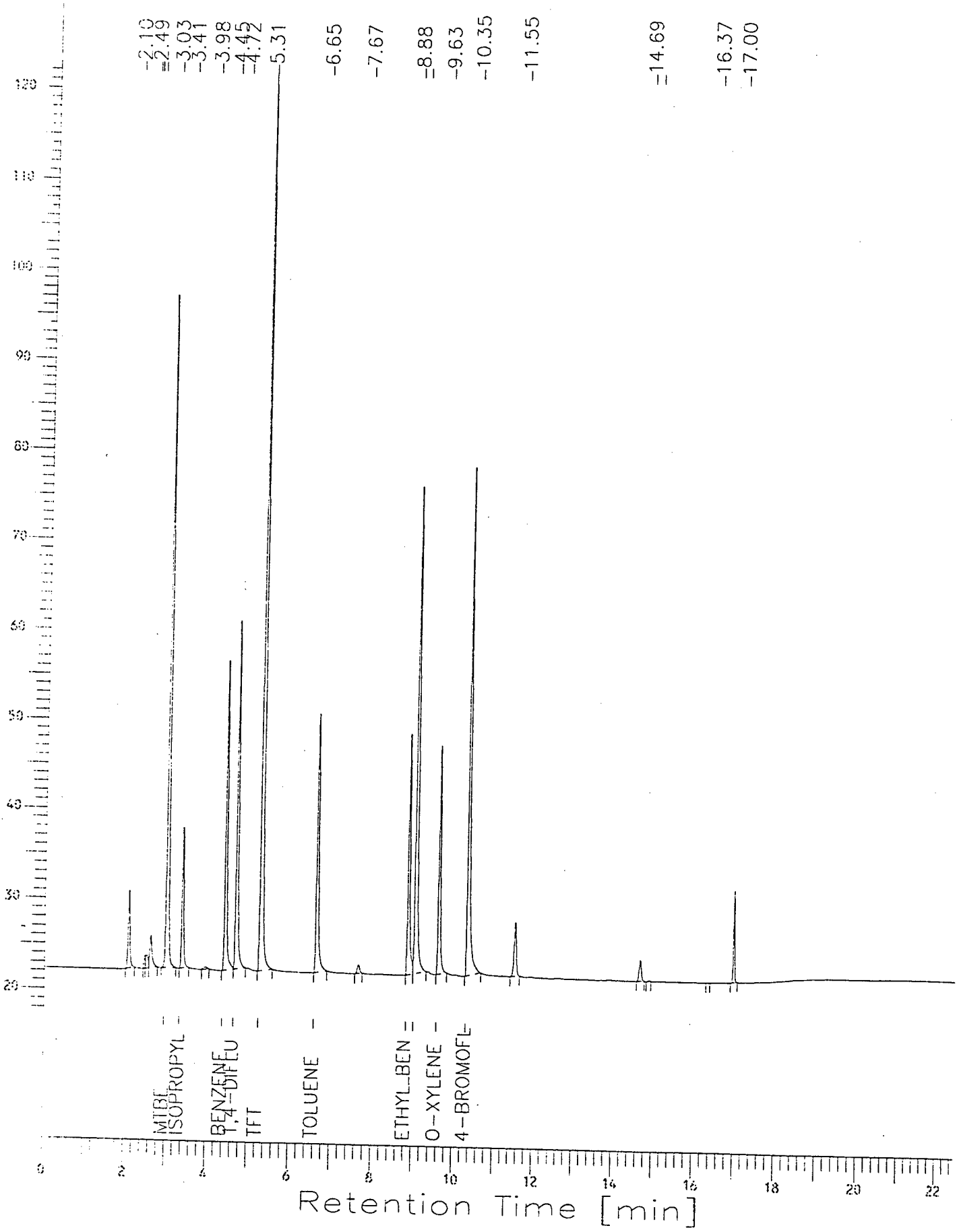
Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__593.TXO

Chromatogram

Sample Name : 9508478-07A MS
FileName : l:\data\tchrom\btex\hp_o\00__593.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 17 mV

Sample #: KM ;S;1
Date : 08/15/95 16:48
Time of Injection: 08/15/95 16:25
Low Point : 17.30 mV
Plot Scale: 105 mV



```
================================================================================
Software Version: 3.2 <16C20>
Sample Name  : BLANK                    Time         : 08/15/95  17:15
Sample Number: B  ;S;1                  Study        : BTEXS;1;PQL
Operator     : KA

Instrument   : HP_O                     Channel : B     A/D mV Range : 1024
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # :    Data Acquisition Time: 08/15/95  16:53
Delay Time     : 0.00   min.
End Time       : 22.49  min.
Sampling Rate  : 2.5000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_o\00__594.raw
Result File    : l:\data\tchrom\btex\hp_o\00__594.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\BTEX00.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEX02.seq

Inj. Volume    : 2 ul                   Area Reject      : 300.00
Sample Amount  : 1.0000                 Dilution Factor  : 1.00

================================================================================


                                                BTEX Area Percent Report
================================================================================
================================================================================
```

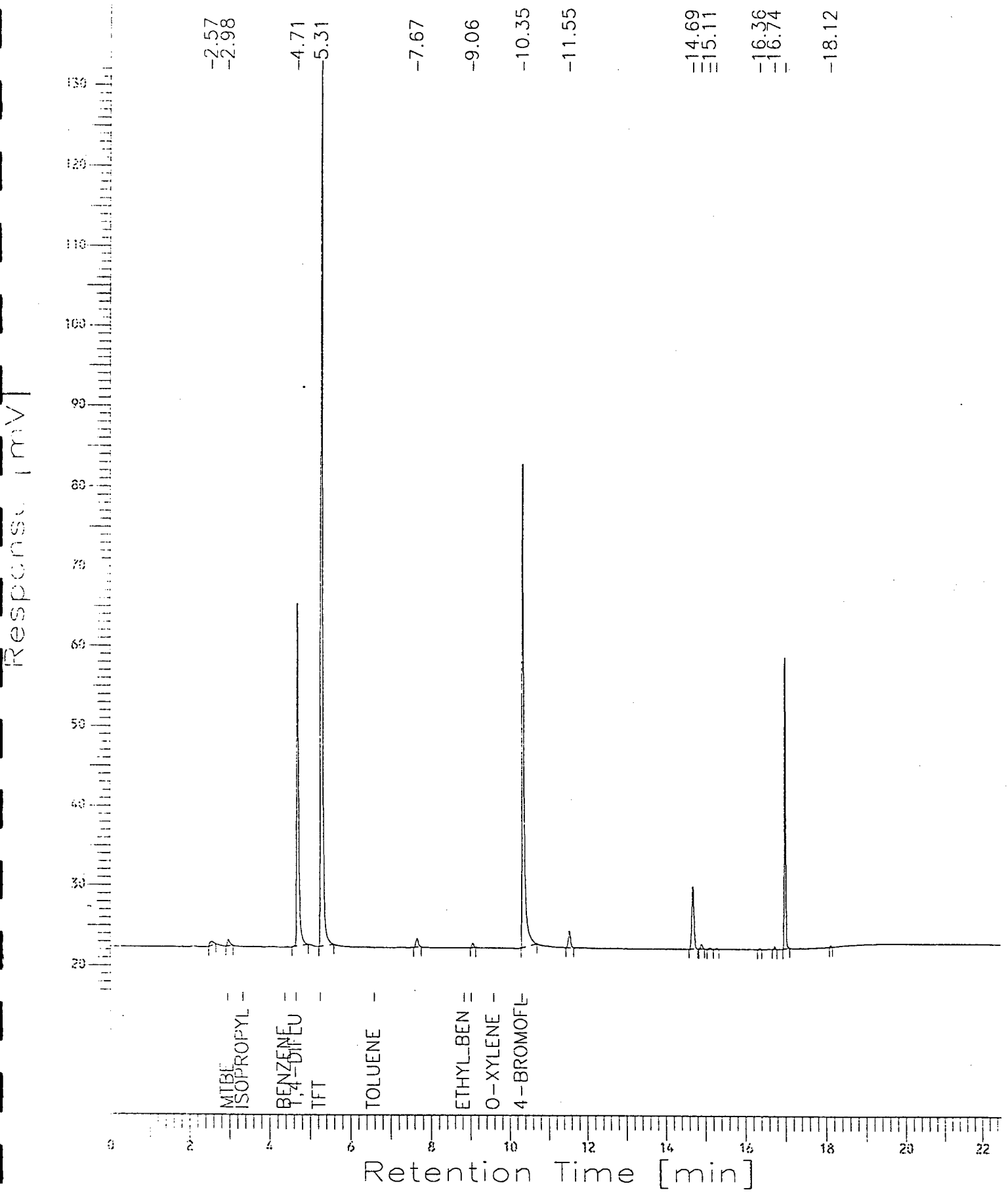
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.566	3111.07	476.49	BB	1.0000e6	----------	0.0031		0.0031
2	2.984	3419.06	812.53	BB	1894.9299	0.0094	1.8043	MTBE	1.8043
3	4.712	139205.34	42963.04	BB	1403.5264	0.3819	99.1826	1,4-DIFLUOROBENZENE	99.1826
4	5.309	364514.75	110000.40	BB	----------	1.0000	0.0000	TFT	0.0000
5	7.665	4576.99	1080.54	BB	1.0000e6	----------	0.0046		0.0046
6	9.060	1787.71	539.87	BB	4950.9849	0.0049	0.3611	m and p Xylene	0.3611
7	10.351	208547.73	61150.33	BB	2844.4119	0.5721	73.3184	4-BROMOFLUOROBENZENE	73.3184
8	11.545	8122.24	2086.73	BB	1.0000e6	----------	0.0081		0.0081
9	14.689	30600.10	7915.48	BB	1.0000e6	----------	0.0306		0.0306
10	14.903	2070.50	607.51	BB	1.0000e6	----------	0.0021		0.0021
11	15.111	776.53	212.14	BB	1.0000e6	----------	0.0008		0.0008
12	15.278	485.19	133.69	BB	1.0000e6	----------	0.0005		0.0005
14	16.738	860.05	377.17	BB	1.0000e6	----------	0.0009		0.0009
15	16.997	80355.48	37039.35	BB	9.9999e5	----------	0.0804		0.0804
16	18.120	410.02	212.15	BB	1.0000e6	----------	0.0004		0.0004
		848842.81	265607.41				174.7977		174.7977

```
================================================================================
END
================================================================================


Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\00__594.TXO
```

Chromatogram

Sample Name : BLANK
FileName : l:\data\tchrom\btex\hp_o\00__594.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: B ;S;1 Page 1 of 1
Date : 08/15/95 17:16
Time of Injection: 08/15/95 16:53
Low Point : 16.81 mV High Point : 132.06 mV
Plot Scale: 115 mV



```
================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508478-07A              Time         : 08/15/95  18:10
Sample Number: SC ;S;1                  Study        : BTEXS;1;PQL
Operator     : KA

Instrument   : HP_O                     Channel : B     A/D mV Range : 1024
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # :    Data Acquisition Time: 08/15/95  17:48
Delay Time     : 0.00   min.
End Time       : 22.49  min.
Sampling Rate  : 2.5000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_o\OO__596.raw
Result File    : l:\data\tchrom\btex\hp_o\OO__596.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\BTEXOO.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Inj. Volume    : 2 ul                   Area Reject      : 300.00
Sample Amount  : 1.0000                 Dilution Factor  : 1.00

================================================================================


                                                BTEX Area Percent Report

================================================================================
================================================================================
```

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.104	38811.24	13438.56	BB	1.0000e6	----------	0.0388		0.0388
2	2.550	4970.43	812.97	BV	1.0000e6	----------	0.0050		0.0050
3	2.632	17101.57	4436.92	VB	1.0000e6	----------	0.0171		0.0171
4	3.028	702501.63	217627.84	BB	1757.5437	2.0779	399.7065	MTBE	399.7065
5	3.986	571.28	196.75	BB	1.0000e6	----------	0.0006		0.0006
6	4.457	1156.24	331.48	BB	5086.2095	0.0034	0.2273	Benzene	0.2273
7	4.712	130567.34	40291.10	BB	1301.7677	0.3862	100.3000	1,4-DIFLUOROBENZENE	100.3000
8	5.307	338086.69	103417.82	BB	----------	1.0000	0.0000	TFT	0.0000
9	6.162	937.76	276.38	BB	1.0000e6	----------	0.0009		0.0009
10	6.296	848.13	256.77	BB	1.0000e6	----------	0.0009		0.0009
11	6.681	591.50	171.26	BB	4862.0757	0.0018	0.1217	Toluene	0.1217
12	6.872	368.97	116.00	BB	1.0000e6	----------	0.0004		0.0004
13	7.667	2979.76	711.44	BB	1.0000e6	----------	0.0030		0.0030
14	9.096	673.62	189.17	BB	4592.0288	0.0020	0.1467	m and p Xylene	0.1467
16	10.352	202680.88	60166.66	BB	2638.1860	0.5995	76.8258	4-BROMOFLUOROBENZENE	76.8258
18	11.330	411.95	137.46	BB	1.0000e6	----------	0.0004		0.0004
19	11.546	21851.71	5683.23	BB	1.0000e6	----------	0.0219		0.0219
20	11.923	657.34	195.19	BB	1.0000e6	----------	0.0007		0.0007
22	13.105	616.77	113.90	BV	1.0000e6	----------	0.0006		0.0006
23	13.229	765.61	207.86	VB	1.0000e6	----------	0.0008		0.0008
24	13.834	360.54	114.55	BB	1.0000e6	----------	0.0004		0.0004
25	14.468	526.07	141.31	BV	9.9999e5	----------	0.0005		0.0005
26	14.556	817.39	219.93	VV	1.0000e6	----------	0.0008		0.0008
27	14.692	19117.04	4928.31	VB	1.0000e6	----------	0.0191		0.0191
33	16.997	11012.44	5045.45	BB	1.0000e6	----------	0.0110		0.0110
34	17.983	562.74	347.62	BB	1.0000e6	----------	0.0006		0.0006
		1499546.63	459575.94				577.4514		577.4514

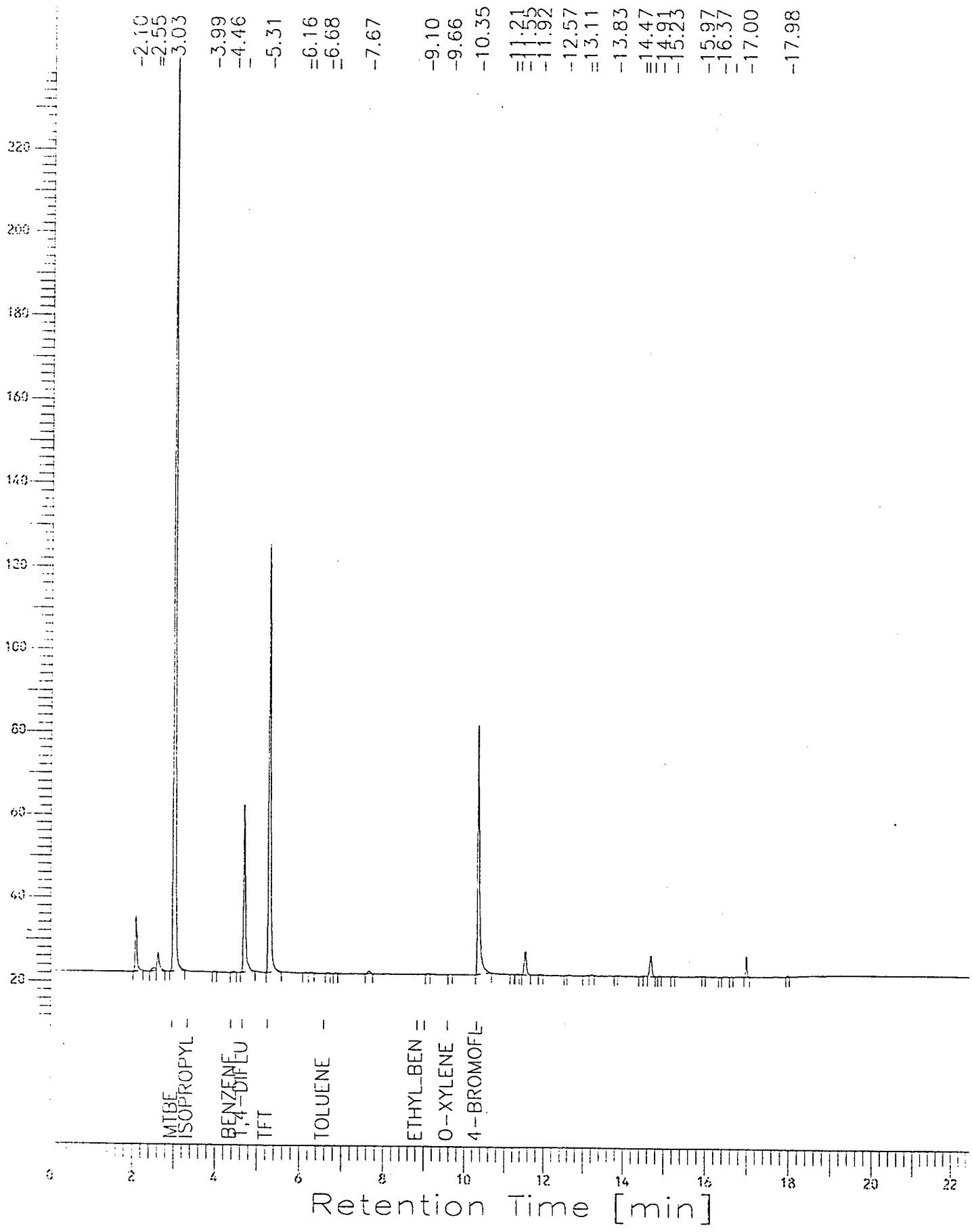
```
================================================================================
END
================================================================================


Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\OO__596.TXO
```

Chromatogram

Sample Name : 9508478-07A
FileName : l:\data\tchrom\btex\hp_o\00__596.raw
Method : HP_O.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 22.49 min
Plot Offset: 12 mV

Sample #: SC ;S;1
Date : 08/15/95 18:10
Time of Injection: 08/15/95 17:48
Low Point : 11.50 mV
Plot Scale: 228 mV



```
Software Version: 3.2 <16C20>
Sample Name  : STD_50                    Time         : 08/15/95  22:45
Sample Number: TC ;S;1                   Study        : BTEXS;1;PQL
Operator     : KA

Instrument   : HP_O                      Channel : B     A/D mV Range : 1024
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # :    Data Acquisition Time: 08/15/95  22:23
Delay Time     : 0.00   min.
End Time       : 22.49  min.
Sampling Rate  : 2.5000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_o\OO__606.raw
Result File    : l:\data\tchrom\btex\hp_o\OO__606.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\HP_O.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\BTEXOO.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\OS072095.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEXO2.seq

Inj. Volume    : 2 ul                    Area Reject      : 300.00
Sample Amount  : 1.0000                  Dilution Factor  : 1.00
```

BTEX Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	ISTD Resp Ratio	Amount ug/l	Component Name	RAW AMOUNT ug/L
1	2.093	6809.53	2806.01	BB	1.0000e6	----------	0.0068		0.0068
2	2.535	10154.23	1350.18	BB	1.0000e6	----------	0.0102		0.0102
3	3.023	120094.38	39933.81	BB	1941.4307	0.3216	61.8587	MTBE	61.8587
4	3.401	130805.66	42051.99	BB	2540.3108	0.3503	51.4920	ISOPROPYLETHER	51.4920
5	4.446	275393.91	91573.33	BV	5618.3652	0.7374	49.0167	Benzene	49.0167
6	4.711	147838.78	47096.92	VB	1437.9680	0.3959	102.8109	1,4-DIFLUOROBENZENE	102.8109
7	5.308	373459.75	117085.61	BB	----------	1.0000	0.0000	TFT	0.0000
8	6.651	256598.44	81166.06	BB	5370.7808	0.6871	47.7768	Toluene	47.7768
9	7.670	5303.27	1251.93	BB	1.0000e6	----------	0.0053		0.0053
10	8.879	228876.34	74763.59	BV	4822.3667	0.6129	47.4614	Ethyl_Benzene	47.4614
11	9.061	498465.13	150684.05	VB	5072.4795	1.3347	98.2685	m and p Xylene	98.2685
12	9.634	233432.05	75003.27	BB	4792.5796	0.6251	48.7070	o-Xylene	48.7070
13	10.355	218712.09	67384.42	BB	2914.2119	0.5856	75.0502	4-BROMOFLUOROBENZENE	75.0502
14	11.552	6230.40	1615.84	BB	9.9999e5	----------	0.0062		0.0062
15	14.696	20677.58	5363.25	BB	1.0000e6	----------	0.0207		0.0207
16	14.911	849.70	257.92	BB	1.0000e6	----------	0.0009		0.0009
17	15.285	518.32	140.19	BB	1.0000e6	----------	0.0005		0.0005
19	16.738	565.92	256.77	BB	1.0000e6	----------	0.0006		0.0006
20	16.997	40555.63	18728.92	BB	1.0000e6	----------	0.0406		0.0406
21	17.367	1360.77	694.83	BB	9.9999e5	----------	0.0014		0.0014
22	18.952	1982.60	7.00	BB	1.0000e6	----------	0.0020		0.0020
		2578684.25	819215.88				582.5371		582.5371

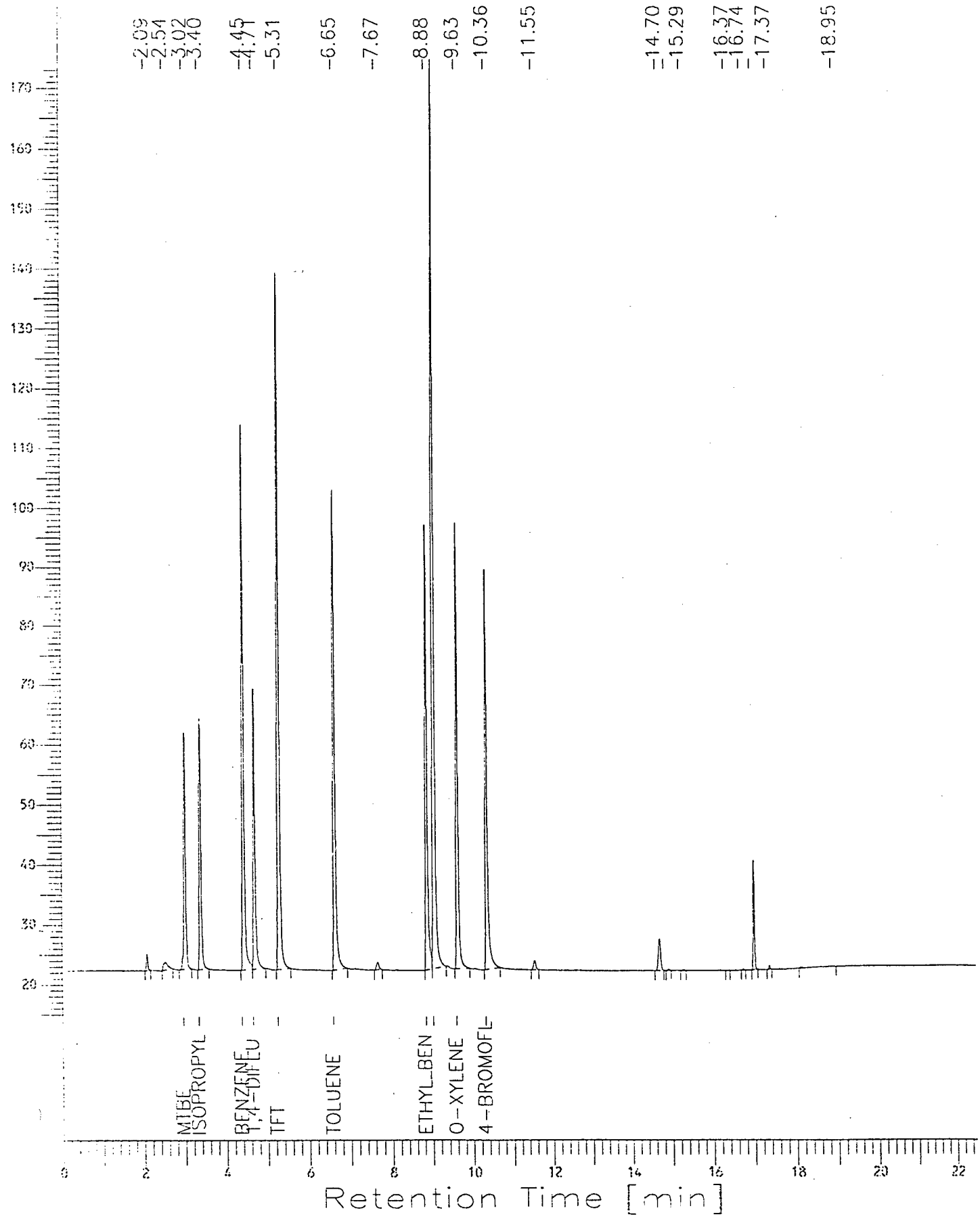
```
END
```

Report Stored in ASCII File: l:\data\tchrom\btex\hp_o\OO__606.TXO

Chromatogram

Sample Name : STD_50
FileName : l:\data\tchrom\btex\hp_o\00__606.raw
Method : HP_O.ins
Start Time : 0.00 min End Time : 22.49 min
Scale Factor: 1 Plot Offset: 15 mV

Sample #: TC ;S;1 Page 1 of 1
Date : 08/15/95 22:46
Time of Injection: 08/15/95 22:23
Low Point : 14.76 mV High Point : 173.32 mV
Plot Scale: 159 mV



ORG. EXTR. RECORD

8/24

JOB # 9508461 TEST: ~~MODWD~~ DRO

SAMPLE	DATE	VOL/WEIGHT mls. or grms.	SURR.	AMT. mls.	ID #	SPIKE	AMT. mls.	ID #	FINAL VOL (mL)	TECH.	COMMENTS
~~05B~~	8/12	1000 ml	DIESEL	1.0	467 16-10	—	—	—	2.0	SW BV	

Q.C. INFO:

BLANK: 950812-CXB1
LCS: 950812-CXLCS
MS: 950810-CXBS
MSD: 950810-CXBSD

TIRED TOP

Software Version: 3.2 <16C20>
Sample Name : 100 ug/ml
Sample Number:
Operator : SEG

Time : 08/21/95 12:29
Study : DROS

Curve

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 12:00
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

0.34045

Raw Data File : l:\data\tchrom\pest\hp_t\TT__750.raw
Result File : l:\data\tchrom\pest\hp_t\TT__750.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	1.469	244.50	103.21	BB	5.0000e5	0.4605	135.0511		0.0005
2	1.810	495.00	112.55	BB	5.0000e5	0.4605	135.0511		0.0010
3	2.579	719.00	136.30	BB	5.0000e5	0.4605	135.0511		0.0014
4	2.718	1434.50	410.38	BV	5.0000e5	0.4605	135.0511		0.0029
5	3.081	297177.91	96653.09	VE	5.0000e5	0.4605	135.0511		0.5944
6	3.467	2075.00	227.00	EV	5.0000e5	0.4605	135.0511		0.0042
7	3.686	2217.13	266.79	VV	5.0000e5	0.4605	135.0511		0.0044
8	3.796	1124.00	263.48	VV	5.0000e5	0.4605	135.0511		0.0023
9	3.913	2879.66	531.10	VV	5.0000e5	0.4605	135.0511		0.0058
10	4.163	3266.97	308.93	VV	5.0000e5	0.4605	135.0511		0.0065
11	4.412	3827.84	276.12	VV	5.0000e5	0.4605	135.0511		0.0077
12	4.614	3487.91	425.86	VV	5.0000e5	0.4605	135.0511		0.0070
13	4.683	1432.36	418.00	VV	5.0000e5	0.4605	135.0511		0.0029
14	4.810	3592.84	652.93	VV	5.0000e5	0.4605	135.0511		0.0072
15	5.065	311922.13	119273.93	VE	5.0000e5	0.4605	135.0511		0.6238
16	5.408	8907.00	622.48	EV	5.0000e5	0.4605	135.0511		0.0178
17	5.866	5262.75	432.96	VV	1969.9999	0.4605	135.0511	2-FLUOROBIPHENYL	2.6715
18	6.281	9702.31	843.68	VV	5.0000e5	0.4605	135.0511		0.0194
19	6.384	5388.44	901.24	VV	5.0000e5	0.4605	135.0511		0.0108
20	6.594	321403.69	120525.88	VE	5.0000e5	0.4605	135.0511		0.6428
21	7.111	3666.00	411.38	EV	5.0000e5	0.4605	135.0511		0.0073
22	7.402	6827.63	832.10	VV	5.0000e5	0.4605	135.0511		0.0137
23	7.618	3209.19	366.59	VV	5.0000e5	0.4605	135.0511		0.0064
24	7.728	2609.27	622.72	VV	4.9999e5	0.4605	135.0511		0.0052
25	7.909	312958.09	117933.91	VE	1970.0001	0.4605	135.0511	Total Petroleum Hydr	158.8620
26	8.453	2719.00	236.70	EV	5.0000e5	0.4605	135.0511		0.0054
27	8.922	3025.75	257.77	VV	1970.0000	0.4605	135.0511	o-Terphenyl	1.5359
28	9.082	297528.75	121494.35	VE	5.0000e5	0.4605	135.0511		0.5951
29	9.527	1538.00	145.75	EV	5.0000e5	0.4605	135.0511		0.0031
30	9.782	455.64	119.74	VV	5.0000e5	0.4605	135.0511		0.0009
31	10.004	4488.22	1119.42	VV	5.0000e5	0.4605	135.0511		0.0090
32	10.146	286969.56	114992.29	VV	4.9999e5	0.4605	135.0511		0.5739
33	10.469	970.50	283.92	VB	5.0000e5	0.4605	135.0511		0.0019
34	10.665	759.44	161.44	BV	5.0000e5	0.4605	135.0511		0.0015
35	10.882	930.50	143.88	VV	5.0000e5	0.4605	135.0511		0.0019
36	11.118	270831.06	109895.80	VB	5.0000e5	0.4605	135.0511		0.5417
37	11.537	1742.00	352.45	BB	5.0000e5	0.4605	135.0511		0.0035
38	11.704	362.25	119.64	BV	5.0000e5	0.4605	135.0511		0.0007
39	12.014	246592.81	97310.48	VV	5.0000e5	0.4605	135.0511		0.4932
40	12.172	16292.72	6278.93	VV	5.0000e5	0.4605	135.0511		0.0326
41	12.298	2357.86	852.96	VV	5.0000e5	0.4605	135.0511		0.0047
42	12.419	428.36	113.16	VB	5.0000e5	0.4605	135.0511		0.0009
43	12.842	232196.50	87100.90	BV	5.0000e5	0.4605	135.0511		0.4644
44	13.633	245600.56	78009.87	VE	5.0000e5	0.4605	135.0511		0.4912
45	13.804	1404.00	189.25	EB	5.0000e5	0.4605	135.0511		0.0028
		2933024.25	1.08e6			20.7203	6077.3013		168.2929

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.866	5262.75	432.96	BV	1969.9999	0.4605	0.3816	2-FLUOROBIPHENYL	2.6715
3	8.922	3025.75	257.77	BV	1970.0000	0.4605	0.3816	o-Terphenyl	1.5359
		8288.50	690.72			0.9209	0.7633		4.2074

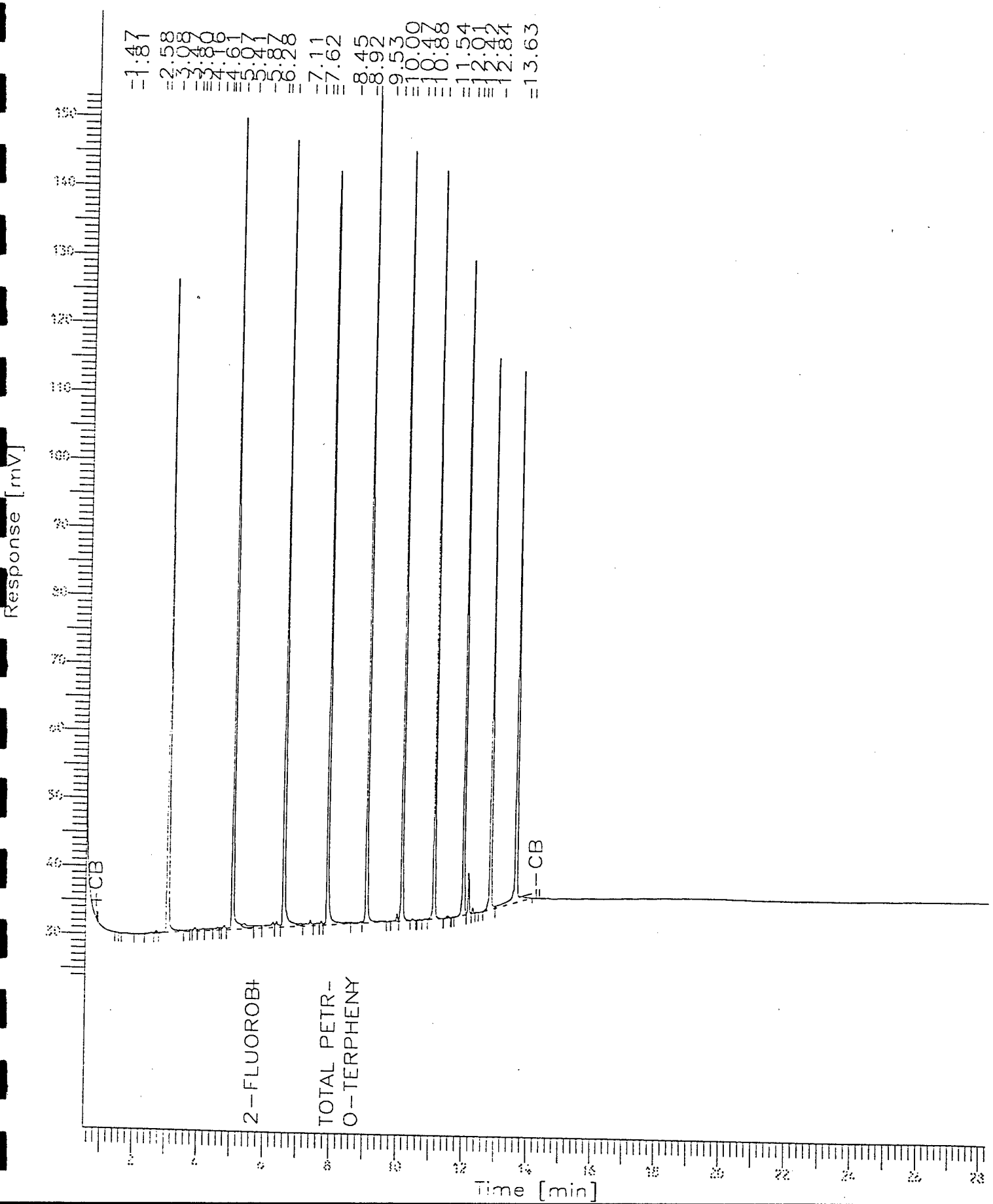
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__750.TXO

Chromatogram

Sample Name :
FileName : l:\data\tchrom\pest\hp_t\TT__750.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 24 mV

Sample #:
Date : 08/21/95 12:29
Time of Injection: 08/21/95 12:00
Low Point : 23.88 mV High Point : 153.83 mV
Plot Scale: 130 mV



Software Version: 3.2 <16C20>
Sample Name : 375 ug/mL
Sample Number:
Operator : SEG

Time : 08/21/95 12:53
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 12:34
Delay Time : 0.50 min.
End Time : 18.40 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__751.raw
Result File : l:\data\tchrom\pest\hp_t\TT__751.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.576	2319.81	407.14	BV	5.0000e5	0.4605	497.4459		0.0046
2	2.718	6009.03	1616.82	VV	5.0000e5	0.4605	497.4459		0.0120
3	3.082	1147200.50	379487.56	VE	5.0000e5	0.4605	497.4459		2.2944
4	3.687	3602.00	360.53	EV	5.0000e5	0.4605	497.4459		0.0072
5	3.797	1615.34	357.11	VV	5.0000e5	0.4605	497.4459		0.0032
6	3.913	3697.06	640.48	VV	5.0000e5	0.4605	497.4459		0.0074
7	4.160	5349.88	359.05	VV	5.0000e5	0.4605	497.4459		0.0107
8	4.413	3695.31	283.75	VV	5.0000e5	0.4605	497.4459		0.0074
9	4.616	2775.83	469.45	VV	5.0000e5	0.4605	497.4459		0.0056
10	4.683	2310.05	713.74	VV	5.0000e5	0.4605	497.4459		0.0046
11	4.813	6228.56	1703.48	VV	5.0000e5	0.4605	497.4459		0.0125
12	5.067	1176782.63	473649.03	VE	5.0000e5	0.4605	497.4459		2.3536
13	5.404	11267.00	673.84	EV	5.0000e5	0.4605	497.4459		0.0225
14	5.868	2623.59	401.11	VV	1969.9999	0.4605	497.4459	2-FLUOROBIPHENYL	1.3318
15	6.151	4637.19	489.60	VV	5.0000e5	0.4605	497.4459		0.0093
16	6.266	6178.47	1239.88	VV	5.0000e5	0.4605	497.4459		0.0124
17	6.385	8645.81	2454.75	VV	5.0000e5	0.4605	497.4459		0.0173
18	6.597	1191903.50	487410.03	VE	5.0000e5	0.4605	497.4459		2.3838
19	7.111	3323.00	331.04	EV	5.0000e5	0.4605	497.4459		0.0067
20	7.274	1906.42	327.62	VV	5.0000e5	0.4605	497.4459		0.0038
21	7.404	2119.34	467.87	VV	5.0000e5	0.4605	497.4459		0.0042
22	7.611	2675.25	483.05	VV	5.0000e5	0.4605	497.4459		0.0054
23	7.730	4617.02	1645.99	VV	4.9999e5	0.4605	497.4459		0.0092
24	7.913	1166594.00	480927.16	VV	1970.0000	0.4605	497.4459	Total Petroleum Hydr	592.1797
25	8.452	3748.88	483.45	VV	5.0000e5	0.4605	497.4459		0.0075
26	8.815	1177.97	107.64	VV	1970.0000	0.4605	497.4459	o-Terphenyl	0.5980
27	8.925	2145.11	620.64	VV	4.9999e5	0.4605	497.4459		0.0043
28	9.085	1142231.25	479096.59	VV	5.0000e5	0.4605	497.4459		2.2845
29	9.524	4354.44	471.78	VB	5.0000e5	0.4605	497.4459		0.0087
30	9.896	1807.66	352.14	BV	5.0000e5	0.4605	497.4459		0.0036
31	10.005	9672.56	3205.38	VV	5.0000e5	0.4605	497.4459		0.0194
32	10.150	1120709.00	469934.81	VV	5.0000e5	0.4605	497.4459		2.2414
33	10.471	1687.50	295.49	VV	5.0000e5	0.4605	497.4459		0.0034
34	10.648	1145.28	357.90	VB	5.0000e5	0.4605	497.4459		0.0023
35	10.839	1899.47	395.12	BV	5.0000e5	0.4605	497.4459		0.0038
36	11.121	1080600.50	432371.69	VB	5.0000e5	0.4605	497.4459		2.1612
37	11.575	771.00	144.83	BB	5.0000e5	0.4605	497.4459		0.0015
38	12.017	990512.00	404701.19	BV	5.0000e5	0.4605	497.4459		1.9810
39	12.177	4661.72	1610.07	VV	5.0000e5	0.4605	497.4459		0.0093
40	12.316	802.50	184.69	VV	5.0000e5	0.4605	497.4459		0.0016
41	12.439	485.28	148.08	VB	5.0000e5	0.4605	497.4459		0.0010
42	12.846	874655.38	342916.38	BV	5.0000e5	0.4605	497.4459		1.7493
43	13.237	1293.63	178.82	VB	5.0000e5	0.4605	497.4459		0.0026
44	13.637	791033.00	278547.22	BB	4.9999e5	0.4605	497.4459		1.5821
		10803471.00	4.25e6			20.2598	21887.6172		613.3756

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.868	2623.59	401.11	BV	1969.9999	0.4605	0.1750	2-FLUOROBIPHENYL	1.3318
3	8.815	1177.97	107.64	VV	1970.0000	0.4605	0.1750	o-Terphenyl	0.5980
		3801.56	508.75			0.9209	0.3501		1.9297

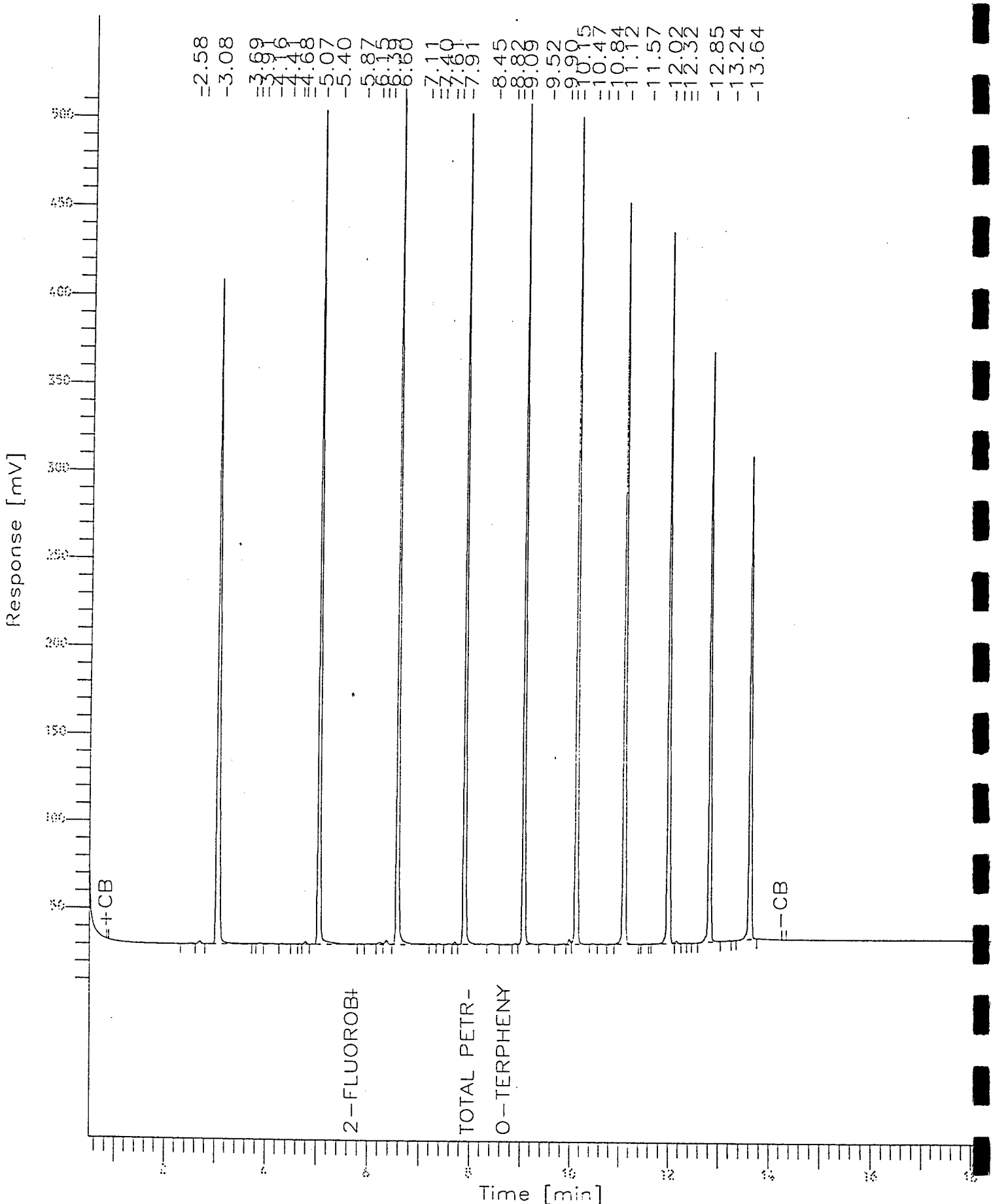
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__751.TXO

Chromatogram

Sample Name :
FileName : l:\data\tchrom\pest\hp_t\TT__751.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 18.40 min
Scale Factor: 1 Plot Offset: 6 mV

Sample #: Page 1 of 1
Date : 08/21/95 12:53
Time of Injection: 08/21/95 12:34
Low Point : 6.18 mV High Point : 511.93 mV
Plot Scale: 506 mV



Software Version: 3.2 <16C20>
Sample Name : 500 PPM Time : 08/21/95 13:49
Sample Number: Study : DROS
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 13:20
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__752.raw
Result File : l:\data\tchrom\pest\hp_t\TT__752.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.571	2707.75	533.18	BV	5.0000e5	0.4605	673.3915		0.0054
2	2.715	8003.25	2229.58	VB	5.0000e5	0.4605	673.3915		0.0160
3	2.918	185.34	58.75	BV	4.9999e5	0.4605	673.3915		0.0004
4	3.080	1608752.88	529286.38	VE	5.0000e5	0.4605	673.3915		3.2175
5	3.683	977.00	169.08	EV	5.0000e5	0.4605	673.3915		0.0020
6	3.796	599.34	145.59	VV	5.0000e5	0.4605	673.3915		0.0012
7	3.911	1873.94	435.95	VV	5.0000e5	0.4605	673.3915		0.0038
8	4.043	596.64	120.15	VV	5.0000e5	0.4605	673.3915		0.0012
9	4.162	1178.31	171.10	VV	5.0000e5	0.4605	673.3915		0.0024
10	4.616	2494.75	338.31	VV	4.9999e5	0.4605	673.3915		0.0050
11	4.682	1862.47	712.29	VV	5.0000e5	0.4605	673.3915		0.0037
12	4.812	6235.16	2054.77	VV	5.0000e5	0.4605	673.3915		0.0125
13	5.067	1613685.75	657630.94	VE	5.0000e5	0.4605	673.3915		3.2274
14	5.401	8820.00	592.59	EV	5.0000e5	0.4605	673.3915		0.0176
15	5.867	3266.72	322.37	VV	1969.9999	0.4605	673.3915	2-FLUOROBIPHENYL	1.6582
16	6.151	1939.98	468.05	VV	5.0000e5	0.4605	673.3915		0.0039
17	6.266	6567.59	1444.18	VV	5.0000e5	0.4605	673.3915		0.0131
18	6.386	9779.00	3093.81	VV	5.0000e5	0.4605	673.3915		0.0196
19	6.599	1597762.50	672828.38	VE	5.0000e5	0.4605	673.3915		3.1955
20	7.277	1953.00	299.91	EV	5.0000e5	0.4605	673.3915		0.0039
21	7.406	2898.44	861.99	VV	5.0000e5	0.4605	673.3915		0.0058
22	7.614	2591.16	552.52	VV	5.0000e5	0.4605	673.3915		0.0052
23	7.732	5514.53	2108.32	VV	5.0000e5	0.4605	673.3915		0.0110
24	7.915	1535316.75	645420.44	VV	1969.9999	0.4605	673.3915	Total Petroleum Hydr	779.3486
25	8.455	4500.88	578.15	VV	5.0000e5	0.4605	673.3915		0.0090
26	8.813	553.09	123.47	VV	1969.9999	0.4605	673.3915	o-Terphenyl	0.2808
27	8.927	2285.67	770.70	VV	5.0000e5	0.4605	673.3915		0.0046
28	9.087	1496527.25	618218.94	VV	5.0000e5	0.4605	673.3915		2.9931
29	9.528	5850.13	648.13	VB	5.0000e5	0.4605	673.3915		0.0117
30	9.780	784.44	248.65	BV	5.0000e5	0.4605	673.3915		0.0016
31	9.864	2472.31	498.30	VV	5.0000e5	0.4605	673.3915		0.0049
32	10.007	12239.19	4289.98	VV	4.9999e5	0.4605	673.3915		0.0245
33	10.152	1473172.00	614020.81	VV	5.0000e5	0.4605	673.3915		2.9463
34	10.475	2600.81	632.56	VV	4.9999e5	0.4605	673.3915		0.0052
35	10.653	1630.25	484.44	VB	5.0000e5	0.4605	673.3915		0.0033
36	10.842	2874.63	545.96	BV	5.0000e5	0.4605	673.3915		0.0058
37	11.126	1438481.38	569215.69	VB	5.0000e5	0.4605	673.3915		2.8770
38	11.541	3055.00	577.45	BB	5.0000e5	0.4605	673.3915		0.0061
39	11.710	562.04	196.17	BV	4.9999e5	0.4605	673.3915		0.0011
40	12.020	1324215.00	535244.81	VV	4.9999e5	0.4605	673.3915		2.6484
41	12.180	28203.23	10707.53	VV	5.0000e5	0.4605	673.3915		0.0564
42	12.305	4171.56	1153.29	VV	5.0000e5	0.4605	673.3915		0.0083
43	12.436	1140.19	300.89	VB	5.0000e5	0.4605	673.3915		0.0023
44	12.849	1233228.75	498941.84	BV	4.9999e5	0.4605	673.3915		2.4665
45	13.242	1637.16	295.47	VB	5.0000e5	0.4605	673.3915		0.0033
46	13.643	1158613.13	404238.50	BE	5.0000e5	0.4605	673.3915		2.3172
47	13.815	278.00	94.34	EB	5.0000e5	0.4605	673.3915		0.0006
		14624638.00	5.78e6			21.6411	31649.3828		807.4585

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.867	3266.72	322.37	BV	1969.9999	0.4605	0.1759	2-FLUOROBIPHENYL	1.6582
3	8.813	553.09	123.47	BV	1969.9999	0.4605	0.1759	o-Terphenyl	0.2808
		3819.81	445.84			0.9209	0.3518		1.9390

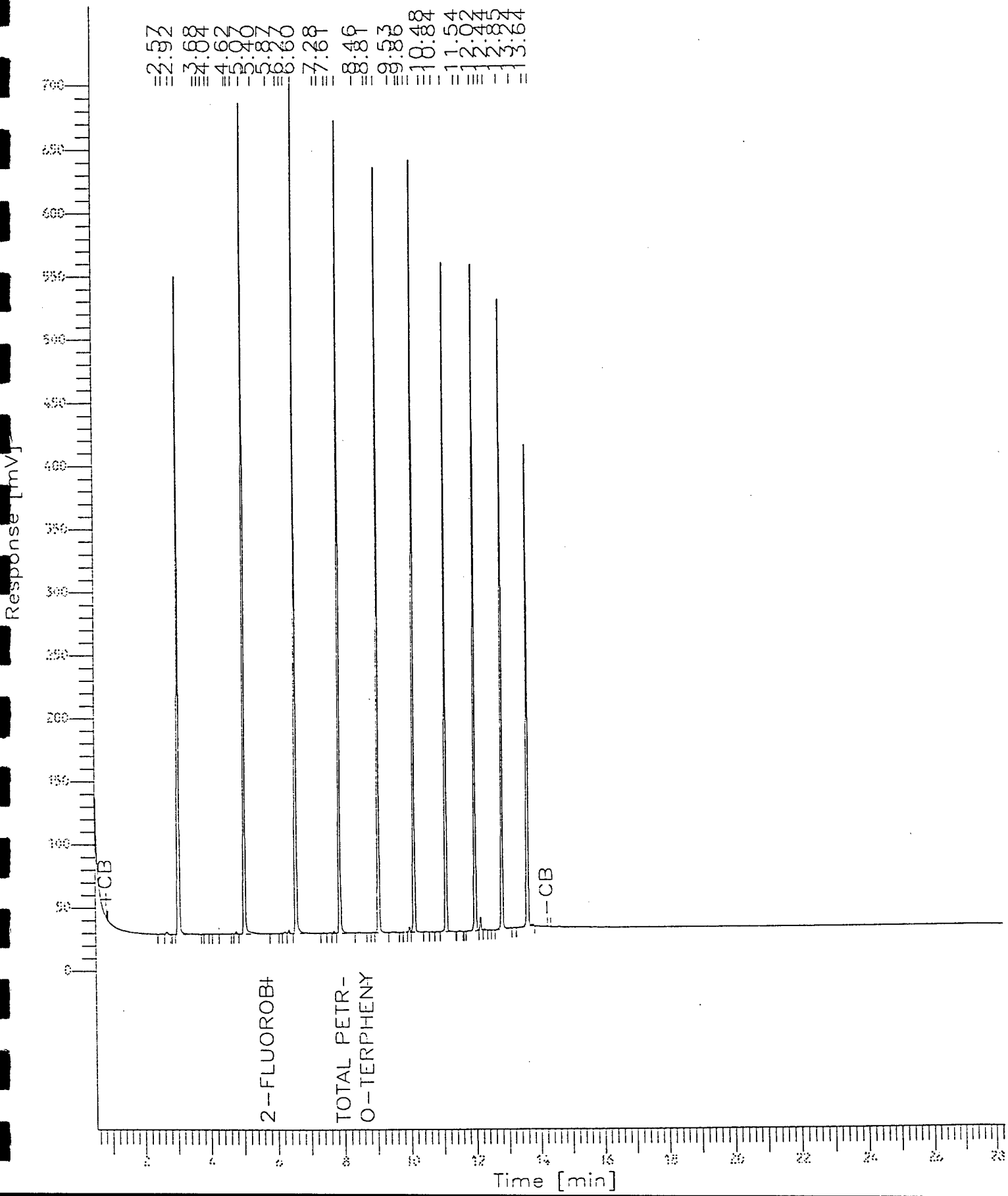
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__752.TXO

Chromatogram

Sample Name : 500 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__752.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -4 mV

Sample #:
Date : 08/21/95 13:49
Time of Injection: 08/21/95 13:20
Low Point : -4.43 mV High Point : 700.06 mV
Plot Scale: 705 mV



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Software Version: 3.2 <16C20>
Sample Name  : 750 PPM                    Time         : 08/21/95  14:24
Sample Number:                            Study        : DROS
Operator     : SEG

Instrument   : HP_T                       Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/21/95  13:55
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__753.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__753.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	1.810	243.00	88.24	BB	5.0000e5	0.4605	1013.2238		0.0005
2	2.577	3876.19	733.26	BV	5.0000e5	0.4605	1013.2238		0.0078
3	2.720	11765.78	3232.08	VB	5.0000e5	0.4605	1013.2238		0.0235
4	3.084	2383516.00	791150.81	BE	5.0000e5	0.4605	1013.2238		4.7670
5	3.688	3666.00	410.32	EV	5.0000e5	0.4605	1013.2238		0.0073
6	3.798	2428.59	392.02	VV	5.0000e5	0.4605	1013.2238		0.0049
7	3.915	3623.41	679.07	VV	5.0000e5	0.4605	1013.2238		0.0073
8	4.164	5679.38	363.08	VV	5.0000e5	0.4605	1013.2238		0.0114
9	4.333	3010.25	292.28	VV	5.0000e5	0.4605	1013.2238		0.0060
10	4.621	3314.91	556.61	VV	5.0000e5	0.4605	1013.2238		0.0066
11	4.685	3423.80	1193.30	VV	5.0000e5	0.4605	1013.2238		0.0069
12	4.815	10660.84	3327.87	VV	5.0000e5	0.4605	1013.2238		0.0213
13	5.070	2448956.25	969477.44	VE	5.0000e5	0.4605	1013.2238		4.8979
14	5.869	3827.00	427.87	EV	1970.0000	0.4605	1013.2238	2-FLUOROBIPHENYL	1.9426
15	6.155	5716.50	738.95	VV	5.0000e5	0.4605	1013.2238		0.0114
16	6.265	9646.78	2159.86	VV	5.0000e5	0.4605	1013.2238		0.0193
17	6.388	15297.47	4700.80	VV	5.0000e5	0.4605	1013.2238		0.0306
18	6.600	2360580.00	971306.88	VE	5.0000e5	0.4605	1013.2238		4.7212
19	7.100	4283.00	421.72	EV	5.0000e5	0.4605	1013.2238		0.0086
20	7.278	2626.41	500.83	VV	5.0000e5	0.4605	1013.2238		0.0053
21	7.408	3590.34	761.92	VV	5.0000e5	0.4605	1013.2238		0.0072
22	7.613	4019.36	859.87	VV	4.9999e5	0.4605	1013.2238		0.0080
23	7.733	8613.92	3136.15	VV	5.0000e5	0.4605	1013.2238		0.0172
24	7.916	2332087.75	971063.63	VV	1970.0000	0.4605	1013.2238	Total Petroleum Hydr	1183.8009
25	8.455	7108.72	875.27	VE	5.0000e5	0.4605	1013.2238		0.0142
26	8.815	718.00	163.14	EV	1970.0000	0.4605	1013.2238	o-Terphenyl	0.3645
27	8.929	4632.20	1538.81	VV	5.0000e5	0.4605	1013.2238		0.0093
28	9.090	2312778.50	926291.88	VV	5.0000e5	0.4605	1013.2238		4.6256
29	9.529	10718.00	1189.19	VV	5.0000e5	0.4605	1013.2238		0.0214
30	9.898	3894.38	735.27	VV	5.0000e5	0.4605	1013.2238		0.0078
31	10.010	17998.84	6299.76	VV	4.9999e5	0.4605	1013.2238		0.0360
32	10.154	2272329.75	929126.19	VV	5.0000e5	0.4605	1013.2238		4.5447
33	10.475	3623.53	626.08	VV	5.0000e5	0.4605	1013.2238		0.0073
34	10.652	2290.84	730.17	VB	5.0000e5	0.4605	1013.2238		0.0046
35	10.843	4015.06	787.42	BV	5.0000e5	0.4605	1013.2238		0.0080
36	11.128	2158221.25	872800.06	VV	5.0000e5	0.4605	1013.2238		4.3164
37	11.576	1995.69	403.04	VB	4.9999e5	0.4605	1013.2238		0.0040
38	12.022	2002363.25	787440.25	BV	5.0000e5	0.4605	1013.2238		4.0047
39	12.181	19801.39	7199.01	VE	4.9999e5	0.4605	1013.2238		0.0396
40	12.314	1517.00	415.24	EV	5.0000e5	0.4605	1013.2238		0.0030
41	12.441	1209.36	347.57	VB	5.0000e5	0.4605	1013.2238		0.0024
42	12.851	1856801.00	735317.25	BE	5.0000e5	0.4605	1013.2238		3.7136
43	13.243	1037.00	395.05	EB	5.0000e5	0.4605	1013.2238		0.0021
44	13.645	1687564.00	599840.13	BB	5.0000e5	0.4605	1013.2238		3.3751
		22005076.00	8.60e6			20.2598	44581.8438		1225.4451

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.869	3827.00	427.87	VV	1970.0000	0.4605	0.2093	2-FLUOROBIPHENYL	1.9426
3	8.815	718.00	163.14	VV	1970.0000	0.4605	0.2093	o-Terphenyl	0.3645
		4545.00	591.01			0.9209	0.4186		2.3071

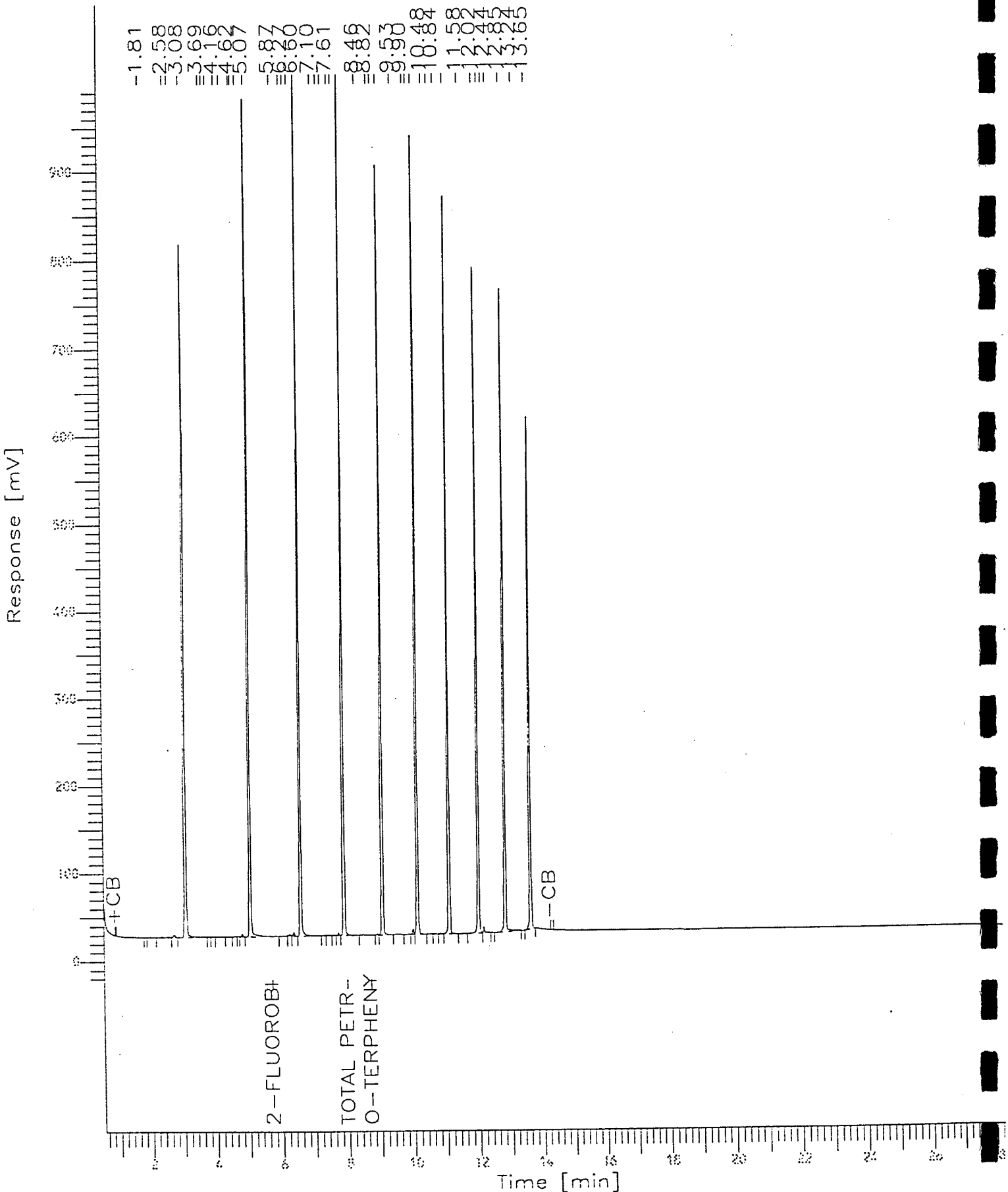
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__753.TXO

Chromatogram

Sample Name : 750 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__753.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -21 mV

Sample #:
Date : 08/21/95 14:24
Time of Injection: 08/21/95 13:55
Low Point : -20.85 mV High Point : 1000.00 mV
Plot Scale: 1021 mV



Software Version: 3.2 <16C20>
Sample Name : 1000 PPM Time : 08/21/95 14:59
Sample Number: Study : DROS
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 14:30
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__754.raw
Result File : l:\data\tchrom\pest\hp_t\TT__754.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.581	5167.03	973.65	BV	5.0000e5	0.4605	1176.6726		0.0103
2	2.724	15955.47	4313.32	VB	5.0000e5	0.4605	1176.6726		0.0319
3	3.089	3153779.00	1.00e6	BE	5.0000e5	0.4605	1176.6726		6.3076
4	3.693	4712.00	465.44	EV	5.0000e5	0.4605	1176.6726		0.0094
5	3.803	2131.38	459.91	VV	5.0000e5	0.4605	1176.6726		0.0043
6	3.918	5209.81	711.59	VV	5.0000e5	0.4605	1176.6726		0.0104
7	4.045	1879.45	412.17	VV	5.0000e5	0.4605	1176.6726		0.0038
8	4.166	3582.78	399.78	VV	5.0000e5	0.4605	1176.6726		0.0072
9	4.334	3825.69	324.42	VV	5.0000e5	0.4605	1176.6726		0.0077
10	4.688	7840.50	1483.75	VV	5.0000e5	0.4605	1176.6726		0.0157
11	4.818	13543.86	4423.28	VV	5.0000e5	0.4605	1176.6726		0.0271
12	5.075	2895375.75	1.04e6	VE	5.0000e5	0.4605	1176.6726		5.7908
13	5.873	4367.00	432.76	EV	1970.0000	0.4605	1176.6726	2-FLUOROBIPHENYL	2.2168
14	6.018	2673.38	379.75	VV	5.0000e5	0.4605	1176.6726		0.0054
15	6.157	4229.66	908.58	VV	4.9999e5	0.4605	1176.6726		0.0085
16	6.266	11134.59	2704.49	VV	5.0000e5	0.4605	1176.6726		0.0223
17	6.392	19022.22	6053.56	VV	5.0000e5	0.4605	1176.6726		0.0380
18	6.605	2759503.00	996654.50	VE	5.0000e5	0.4605	1176.6726		5.5190
19	7.109	3961.00	380.05	EV	4.9999e5	0.4605	1176.6726		0.0079
20	7.280	2764.28	571.49	VV	4.9999e5	0.4605	1176.6726		0.0055
21	7.412	3630.56	839.80	VV	5.0000e5	0.4605	1176.6726		0.0073
22	7.615	4735.53	1057.50	VV	5.0000e5	0.4605	1176.6726		0.0095
23	7.735	11034.80	3984.33	VV	5.0000e5	0.4605	1176.6726		0.0221
24	7.921	2713607.25	987661.69	VE	1970.0000	0.4605	1176.6726	Total Petroleum Hydr	1377.4656
25	8.269	2524.00	360.44	EV	5.0000e5	0.4605	1176.6726		0.0051
26	8.458	8185.75	1055.34	VV	5.0000e5	0.4605	1176.6726		0.0164
27	8.819	896.31	192.95	VV	1970.0000	0.4605	1176.6726	o-Terphenyl	0.4550
28	8.932	5663.25	1908.62	VV	5.0000e5	0.4605	1176.6726		0.0113
29	9.093	2716539.50	1.01e6	VV	5.0000e5	0.4605	1176.6726		5.4331
30	9.531	12911.63	1446.17	VV	5.0000e5	0.4605	1176.6726		0.0258
31	9.783	519.16	122.18	VV	5.0000e5	0.4605	1176.6726		0.0010
32	9.900	4661.89	949.62	VV	5.0000e5	0.4605	1176.6726		0.0093
33	10.013	22625.19	8142.78	VV	5.0000e5	0.4605	1176.6726		0.0453
34	10.159	2729407.00	1.03e6	VV	5.0000e5	0.4605	1176.6726		5.4588
35	10.481	4470.22	825.44	VV	4.9999e5	0.4605	1176.6726		0.0089
36	10.654	2995.59	942.18	VB	5.0000e5	0.4605	1176.6726		0.0060
37	10.847	5442.25	1092.57	BV	5.0000e5	0.4605	1176.6726		0.0109
38	11.131	2601466.75	978626.06	VB	5.0000e5	0.4605	1176.6726		5.2029
39	11.575	2826.00	543.39	BB	4.9999e5	0.4605	1176.6726		0.0057
40	11.717	500.04	188.60	BV	4.9999e5	0.4605	1176.6726		0.0010
41	12.027	2347552.00	913297.75	VV	5.0000e5	0.4605	1176.6726		4.6951
42	12.184	27075.36	10416.05	VE	5.0000e5	0.4605	1176.6726		0.0542
43	12.314	1966.00	599.90	EV	4.9999e5	0.4605	1176.6726		0.0039
44	12.443	1296.69	380.22	VB	5.0000e5	0.4605	1176.6726		0.0026
45	12.853	1873486.00	729195.56	BE	5.0000e5	0.4605	1176.6726		3.7470
46	13.245	1345.00	408.25	EB	5.0000e5	0.4605	1176.6726		0.0027
47	13.648	1526820.00	541694.50	BB	5.0000e5	0.4605	1176.6726		3.0536
		25554840.00	9.30e6			21.6411	55303.5898		1425.8091

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.873	4367.00	432.76	VV	1970.0000	0.4605	0.2424	2-FLUOROBIPHENYL	2.2168
3	8.819	896.31	192.95	BV	1970.0000	0.4605	0.2424	o-Terphenyl	0.4550
		5263.31	625.71			0.9209	0.4847		2.6717

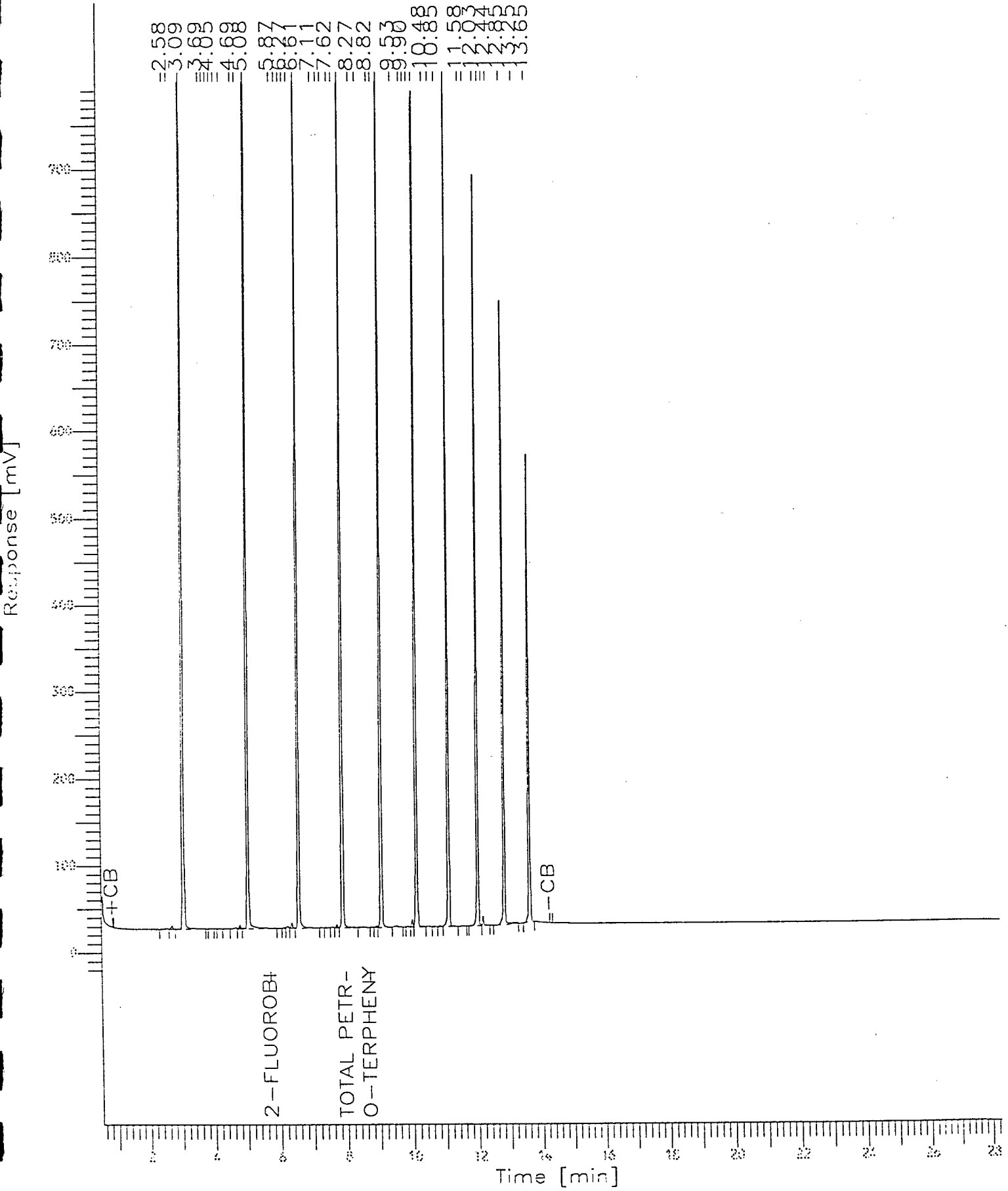
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__754.TXO

Chromatogram

Sample Name : 1000 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__754.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -21 mV

Sample #:
Date : 08/21/95 14:59
Time of Injection: 08/21/95 14:30
Low Point : -21.44 mV High Point : 1000.00 mV
Plot Scale: 1021 mV



Software Version: 3.2 <16C20>
Sample Name : 9508812-CXB1 Time : 08/16/95 01:15
Sample Number: SC ;S;1 Study : MODSD
Operator : SEG

Instrument : HP_T Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

QC

Interface Serial # : 4118271220 Data Acquisition Time: 08/16/95 12:47
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\T___302.raw
Result File : l:\data\tchrom\pest\hp_t\T___302.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.625	14994127.00	921781.44	BB	5.0000e5	0.9774	1528.1090		29.9883
2	1.553	71401.56	14005.10	BB	5.0000e5	0.9774	1528.1090		0.1428
3	1.898	287828.44	89337.04	BB	5.0000e5	0.9774	1528.1090		0.5757
4	2.566	15617.50	4876.69	BB	5.0000e5	0.9774	1528.1090		0.0312
5	3.035	1647.81	826.03	BV	5.0000e5	0.9774	1528.1090		0.0033
6	3.265	5801.31	1487.68	VB	5.0000e5	0.9774	1528.1090		0.0116
7	3.499	798.00	327.66	BB	5.0000e5	0.9774	1528.1090		0.0016
8	3.679	9233.41	2933.51	BV	5.0000e5	0.9774	1528.1090		0.0185
9	3.768	2392.77	729.96	VV	5.0000e5	0.9774	1528.1090		0.0048
10	3.861	19160.31	3728.77	VB	5.0000e5	0.9774	1528.1090		0.0383
11	4.250	790.50	850.79	BB	5.0000e5	0.9774	1528.1090		0.0016
12	5.066	224.50	110.49	BB	5.0000e5	0.9774	1528.1090		0.0005
13	5.165	4699.00	1454.10	BB	4.9999e5	0.9774	1528.1090		0.0094
14	5.407	3394.00	879.73	BV	5.0000e5	0.9774	1528.1090		0.0068
15	5.643	8647.00	474.92	VV	4.9999e5	0.9774	1528.1090		0.0173
16	6.019	1665.47	355.91	VV	5.0000e5	0.9774	1528.1090		0.0033
17	6.123	7015.81	781.61	VV	5.0000e5	0.9774	1528.1090		0.0140
18	6.600	280.78	114.61	VB	5.0000e5	0.9774	1528.1090		0.0006
19	6.698	5858.25	1241.20	BV	5.0000e5	0.9774	1528.1090		0.0117
20	7.047	2024.72	513.63	VB	5.0000e5	0.9774	1528.1090		0.0041
21	7.269	833.50	165.41	BV	5.0000e5	0.9774	1528.1090		0.0017
22	7.429	2374.00	252.22	VB	5.0000e5	0.9774	1528.1090		0.0048
23	7.730	430.00	96.16	BB	5.0000e5	0.9774	1528.1090		0.0009
24	7.858	52851.19	5572.67	BE	1778.5000	0.9774	1528.1090	2-FLUOROBIPHENYL	29.7167
25	8.323	8567.00	1056.89	EV	5.0000e5	0.9774	1528.1090		0.0171
26	8.655	2553.63	223.60	VV	5.0000e5	0.9774	1528.1090		0.0051
27	8.982	1777.63	258.65	VB	5.0000e5	0.9774	1528.1090		0.0036
28	9.674	612.09	114.19	BV	4.9999e5	0.9774	1528.1090		0.0012
29	9.867	1214.94	141.37	VB	1778.5000	0.9774	1528.1090	Total Petroleum Hydr	0.6831
30	10.256	498.69	87.28	BV	5.0000e5	0.9774	1528.1090		0.0010
31	10.359	884.78	191.65	VB	5.0000e5	0.9774	1528.1090		0.0018
32	10.701	3193.00	751.76	BB	5.0000e5	0.9774	1528.1090		0.0064
33	11.415	93070.50	29297.63	BV	1883.5000	0.9774	1528.1090	o-Terphenyl	49.4136
34	12.219	326.44	49.77	VB	5.0000e5	0.9774	1528.1090		0.0007
35	14.030	23481.50	1551.17	BB	5.0000e5	0.9774	1528.1090		0.0470
		15635276.00	1.08e6			34.2071	53483.8242		110.7897

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.858	52851.19	5572.67	BE	1778.5000	0.9774	14.2616	2-FLUOROBIPHENYL	29.7167
3	11.415	93070.50	29297.63	BV	1883.5000	0.9774	14.2616	o-Terphenyl	49.4136
		145921.69	34870.29			1.9547	28.5232		79.1303

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================================================================================
END
================================================================================

eport Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___302.TXO
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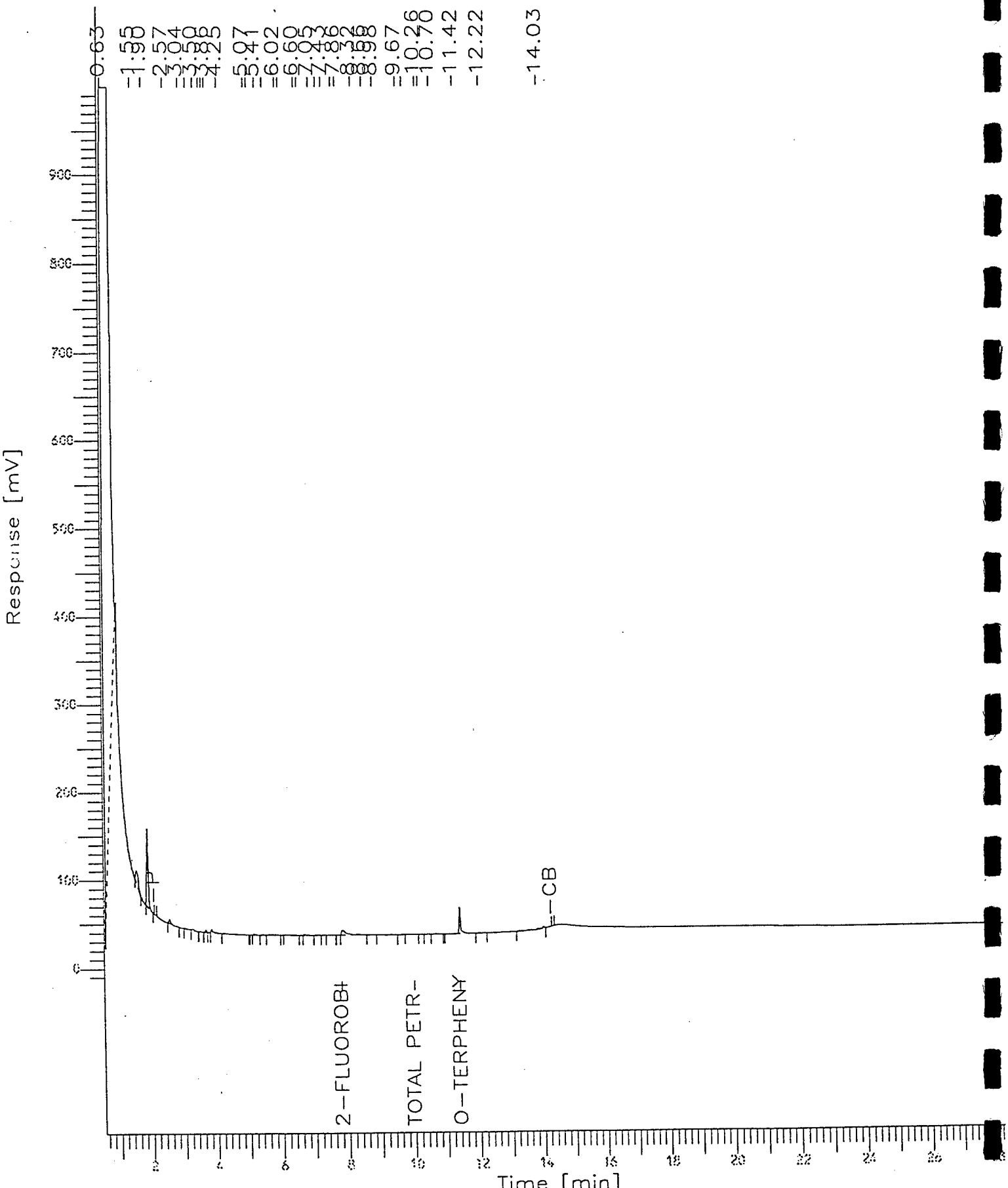
Chromatogram

Sample Name : 9508812-CXB1
FileName : l:\data\tchrom\pest\hp_t\T___302.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -15 mV

Sample #: SC ;S;1 Page 1 of 1
Date : 08/16/95 01:15
Time of Injection: 08/16/95 12:47
Low Point : -15.19 mV High Point : 1000.00 mV
Plot Scale: 1015 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508812-CXLCS            Time         : 08/16/95  08:47
Sample Number: TL ;S;1                  Study        : MODSD
Operator     : SEG

Instrument   : HP_T                     Channel : A     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/16/95  08:18
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\T___315.raw
Result File    : l:\data\tchrom\pest\hp_t\T___315.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

================================================================================
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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.625	15107294.00	930827.44	BB	5.0000e5	0.9774	4626.6699		30.2146
2	1.903	675504.50	201050.55	BB	5.0000e5	0.9774	4626.6699		1.3510
3	2.343	9094.31	1737.45	BV	4.9999e5	0.9774	4626.6699		0.0182
4	2.567	68080.94	14410.35	VV	5.0000e5	0.9774	4626.6699		0.1362
5	2.703	28438.22	6424.77	VV	5.0000e5	0.9774	4626.6699		0.0569
6	2.829	5397.50	1797.32	VB	5.0000e5	0.9774	4626.6699		0.0108
7	2.948	9672.63	2871.61	BV	5.0000e5	0.9774	4626.6699		0.0194
8	3.044	2255.38	918.98	VB	5.0000e5	0.9774	4626.6699		0.0045
9	3.188	93593.44	23287.15	BV	4.9999e5	0.9774	4626.6699		0.1872
10	3.374	20322.59	5545.23	VB	5.0000e5	0.9774	4626.6699		0.0407
11	3.581	9032.53	2943.73	BV	4.9999e5	0.9774	4626.6699		0.0181
12	3.680	44994.88	11785.66	VV	5.0000e5	0.9774	4626.6699		0.0900
13	3.855	76407.28	18240.37	VV	5.0000e5	0.9774	4626.6699		0.1528
14	3.946	39840.88	11448.39	VV	5.0000e5	0.9774	4626.6699		0.0797
15	4.036	26214.50	9723.76	VB	4.9999e5	0.9774	4626.6699		0.0524
16	4.167	15679.03	4895.73	BV	5.0000e5	0.9774	4626.6699		0.0314
17	4.257	251834.09	61635.12	VV	5.0000e5	0.9774	4626.6699		0.5037
18	4.458	54802.75	11375.86	VV	5.0000e5	0.9774	4626.6699		0.1096
19	4.594	81207.84	11558.14	VV	5.0000e5	0.9774	4626.6699		0.1624
20	4.803	128521.28	18319.56	VV	5.0000e5	0.9774	4626.6699		0.2570
21	4.893	88050.53	20905.45	VV	5.0000e5	0.9774	4626.6699		0.1761
22	4.987	37714.27	10885.62	VV	5.0000e5	0.9774	4626.6699		0.0754
23	5.063	82938.53	14731.02	VV	5.0000e5	0.9774	4626.6699		0.1659
24	5.184	275978.69	94185.94	VV	5.0000e5	0.9774	4626.6699		0.5520
25	5.244	141053.78	40722.83	VV	5.0000e5	0.9774	4626.6699		0.2821
26	5.333	58898.16	18496.87	VV	5.0000e5	0.9774	4626.6699		0.1178
27	5.406	71663.11	15765.03	VV	5.0000e5	0.9774	4626.6699		0.1433
28	5.504	96650.50	19850.60	VV	4.9999e5	0.9774	4626.6699		0.1933
29	5.693	328729.09	48461.84	VV	5.0000e5	0.9774	4626.6699		0.6575
30	5.769	239155.09	43052.52	VV	5.0000e5	0.9774	4626.6699		0.4783
31	6.012	553507.38	155405.06	VV	5.0000e5	0.9774	4626.6699		1.1070
32	6.127	235707.03	42897.36	VV	5.0000e5	0.9774	4626.6699		0.4714
33	6.242	99969.81	21982.40	VV	5.0000e5	0.9774	4626.6699		0.1999
34	6.349	174291.89	47176.55	VV	5.0000e5	0.9774	4626.6699		0.3486
35	6.527	652718.06	59946.20	VV	5.0000e5	0.9774	4626.6699		1.3054
36	6.645	106941.41	28778.89	VV	5.0000e5	0.9774	4626.6699		0.2139
37	6.769	1059050.13	190021.86	VE	5.0000e5	0.9774	4626.6699		2.1181
38	6.990	211691.00	33551.23	EV	4.9999e5	0.9774	4626.6699		0.4234
39	7.118	731272.13	135264.13	VV	5.0000e5	0.9774	4626.6699		1.4625
40	7.236	457588.06	127815.79	VV	5.0000e5	0.9774	4626.6699		0.9152
41	7.372	338246.75	69065.29	VV	4.9999e5	0.9774	4626.6699		0.6765
42	7.467	1364300.13	262771.22	VV	5.0000e5	0.9774	4626.6699		2.7286
43	7.800	1065781.50	111188.91	VV	1778.4999	0.9774	4626.6699	2-FLUOROBIPHENYL	599.2587
44	8.002	974601.50	107368.24	VV	5.0000e5	0.9774	4626.6699		1.9492
45	8.129	1334412.38	299729.69	VV	5.0000e5	0.9774	4626.6699		2.6688
46	8.354	1183827.00	145270.69	VV	4.9999e5	0.9774	4626.6699		2.3677
47	8.494	401947.75	94077.02	VV	5.0000e5	0.9774	4626.6699		0.8039
48	8.561	279178.31	78703.10	VV	4.9999e5	0.9774	4626.6699		0.5584
49	8.670	807071.38	199620.27	VV	5.0000e5	0.9774	4626.6699		1.6141

50	8.747	1025963.00	327210.16	VV	5.0000e5	0.9774	4626.6699		2.0519
51	8.844	496781.81	122888.25	VV	5.0000e5	0.9774	4626.6699		0.9936
52	9.002	1048105.38	136780.33	VV	5.0000e5	0.9774	4626.6699		2.0962
53	9.155	860987.75	99662.29	VV	5.0000e5	0.9774	4626.6699		1.7220
54	9.333	1570478.00	317219.88	VV	5.0000e5	0.9774	4626.6699		3.1410
55	9.547	958860.69	93696.51	VV	5.0000e5	0.9774	4626.6699		1.9177
56	9.650	648229.25	115715.45	VV	5.0000e5	0.9774	4626.6699		1.2965
57	9.751	672288.25	103606.36	VV	5.0000e5	0.9774	4626.6699		1.3446
58	9.897	1196654.75	269994.00	VV	1778.5000	0.9774	4626.6699	Total Petroleum Hydr	672.8450
59	10.110	739076.00	81915.44	VV	5.0000e5	0.9774	4626.6699		1.4782
60	10.265	1088979.00	110962.06	VV	5.0000e5	0.9774	4626.6699		2.1780
61	10.432	949511.25	211397.52	VV	5.0000e5	0.9774	4626.6699		1.8990
62	10.628	549695.25	66646.63	VV	5.0000e5	0.9774	4626.6699		1.0994
63	10.730	331844.81	73417.53	VV	5.0000e5	0.9774	4626.6699		0.6637
64	10.800	458687.81	71296.52	VV	5.0000e5	0.9774	4626.6699		0.9174
65	10.937	945480.25	161769.44	VV	5.0000e5	0.9774	4626.6699		1.8910
66	11.137	348521.84	54461.31	VV	4.9999e5	0.9774	4626.6699		0.6970
67	11.272	387679.47	55364.94	VV	5.0000e5	0.9774	4626.6699		0.7754
68	11.420	912457.94	114733.87	VV	1883.5000	0.9774	4626.6699	o-Terphenyl	484.4481
69	11.613	174391.80	36364.20	VV	5.0000e5	0.9774	4626.6699		0.3488
70	11.702	361548.81	41691.24	VV	5.0000e5	0.9774	4626.6699		0.7231
71	11.899	385380.84	47687.48	VV	5.0000e5	0.9774	4626.6699		0.7708
72	12.069	174100.03	28836.70	VV	5.0000e5	0.9774	4626.6699		0.3482
73	12.214	192032.53	30081.72	VV	5.0000e5	0.9774	4626.6699		0.3841
74	12.342	254099.19	23770.74	VV	5.0000e5	0.9774	4626.6699		0.5082
75	12.589	107258.09	13308.05	VV	5.0000e5	0.9774	4626.6699		0.2145
76	12.722	91132.09	11397.57	VV	4.9999e5	0.9774	4626.6699		0.1823
77	12.872	46911.72	8766.40	VV	5.0000e5	0.9774	4626.6699		0.0938
78	12.963	38357.38	7471.60	VV	5.0000e5	0.9774	4626.6699		0.0767
79	13.063	37798.75	5429.33	VV	5.0000e5	0.9774	4626.6699		0.0756
80	13.200	22516.27	4421.97	VV	5.0000e5	0.9774	4626.6699		0.0450
81	13.306	39245.81	3522.43	VV	4.9999e5	0.9774	4626.6699		0.0785
82	13.563	9861.36	1919.98	VV	5.0000e5	0.9774	4626.6699		0.0197
83	13.663	12625.69	1524.04	VB	5.0000e5	0.9774	4626.6699		0.0253
84	14.035	411.50	142.93	BB	5.0000e5	0.9774	4626.6699		0.0008
		47339072.00	6.74e6			82.0972	3.8864e5		1844.8801

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.800	1065781.50	111188.91	BV	1778.4999	0.9774	193.3427	2-FLUOROBIPHENYL	599.2587
3	11.420	912457.94	114733.87	BV	1883.5000	0.9774	193.3427	o-Terphenyl	484.4481
		1978239.50	225922.78			1.9547	386.6853		1083.7068

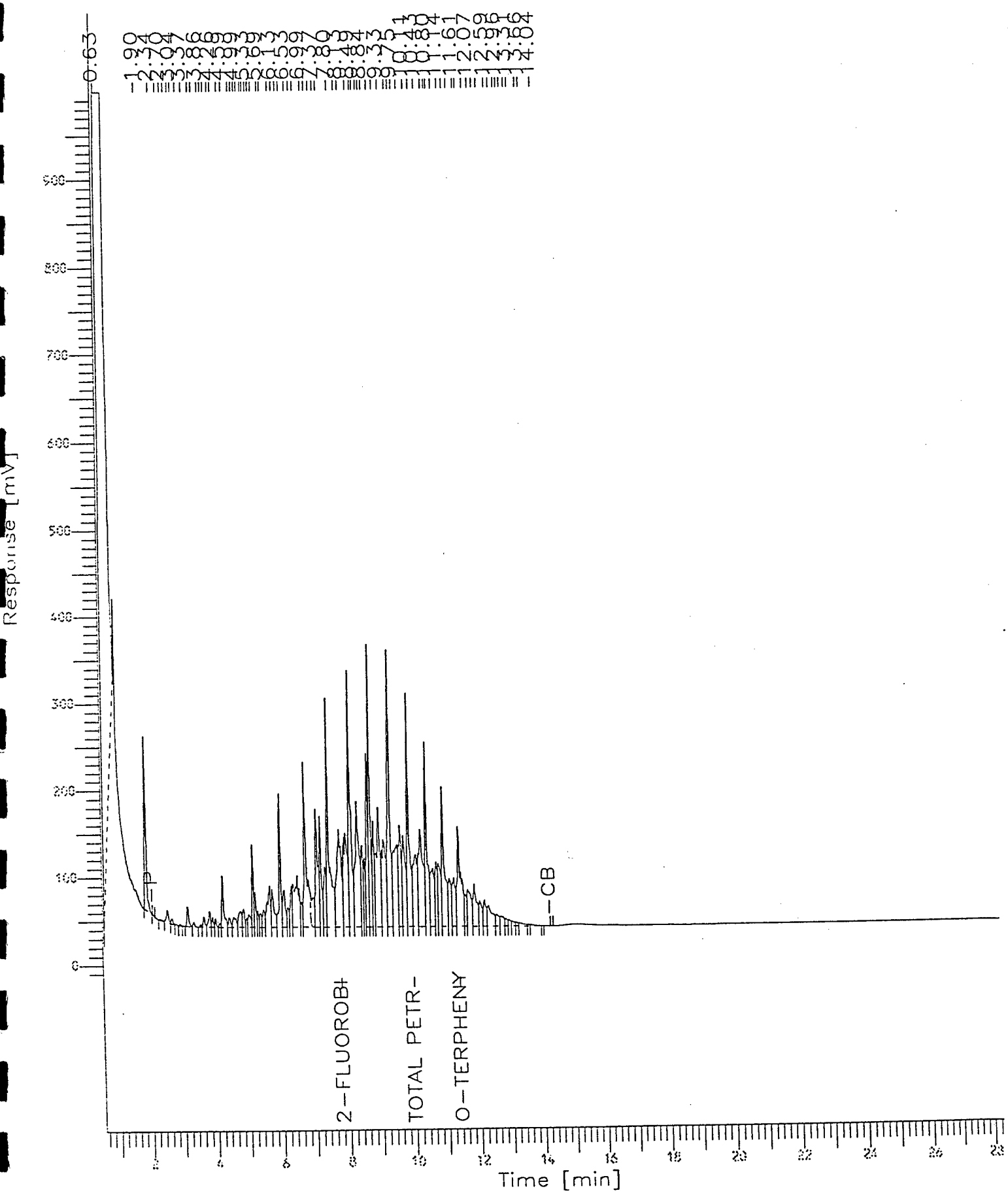
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___315.TXO

Chromatogram

Sample Name : 9508812-CXLCS
FileName : l:\data\tchrom\pest\hp_t\T___315.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -16 mV

Sample #: TL ;S;1
Date : 08/16/95 08:47
Time of Injection: 08/16/95 08:18
Low Point : -15.67 mV High Point : 1000.00 mV
Plot Scale: 1016 mV



Software Version: 3.2 <16C20>
Sample Name : 950810CXB1 Time : 08/14/95 15:48
Sample Number: B ;W Study : MODWD
Operator : SEG

Instrument : HP_T Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/14/95 15:20
Delay Time : 2.00 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\T___257.raw
Result File : l:\data\tchrom\pest\hp_t\T___257.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.581	50903.94	8380.41	BB	5.0000e5	0.6549	25.0704		0.1018
2	2.803	9796.00	2026.16	BB	5.0000e5	0.6549	25.0704		0.0196
3	3.055	8943.50	1423.73	BV	5.0000e5	0.6549	25.0704		0.0179
4	3.279	20940.50	3948.38	VB	5.0000e5	0.6549	25.0704		0.0419
5	3.505	15797.97	3928.84	BB	5.0000e5	0.6549	25.0704		0.0316
6	3.678	18683.25	5215.36	BV	5.0000e5	0.6549	25.0704		0.0374
7	3.765	24765.75	5129.87	VB	5.0000e5	0.6549	25.0704		0.0495
8	3.970	9612.00	1533.93	BB	5.0000e5	0.6549	25.0704		0.0192
9	4.242	2793.00	523.38	BB	5.0000e5	0.6549	25.0704		0.0056
10	4.730	3470.00	655.30	BB	4.9999e5	0.6549	25.0704		0.0069
11	5.162	4833.00	1534.44	BB	5.0000e5	0.6549	25.0704		0.0097
12	5.409	1004.81	312.40	BV	4.9999e5	0.6549	25.0704		0.0020
13	5.634	484.69	164.13	VB	5.0000e5	0.6549	25.0704		0.0010
14	6.019	775.67	245.82	BV	5.0000e5	0.6549	25.0704		0.0016
15	6.130	4735.72	780.21	VV	4.9999e5	0.6549	25.0704		0.0095
16	6.298	2898.00	335.31	VV	5.0000e5	0.6549	25.0704		0.0058
17	6.598	411.63	187.31	VB	5.0000e5	0.6549	25.0704		0.0008
18	6.702	4692.25	932.21	BV	5.0000e5	0.6549	25.0704		0.0094
19	7.048	3106.75	679.11	VB	5.0000e5	0.6549	25.0704		0.0062
20	7.718	547.00	99.12	BB	5.0000e5	0.6549	25.0704		0.0011
21	7.871	51880.44	4374.90	BV	1778.5000	0.6549	25.0704	2-FLUOROBIPHENYL	29.1709
22	8.323	11911.13	1435.80	VV	5.0000e5	0.6549	25.0704		0.0238
23	8.655	5571.00	414.92	VV	5.0000e5	0.6549	25.0704		0.0111
24	8.985	3443.63	360.49	VB	5.0000e5	0.6549	25.0704		0.0069
25	9.682	717.00	115.53	BB	5.0000e5	0.6549	25.0704		0.0014
26	9.870	1835.00	205.22	BB	1778.5000	0.6549	25.0704	Total Petroleum Hydr	1.0318
27	10.259	613.16	127.92	BV	5.0000e5	0.6549	25.0704		0.0012
28	10.356	1289.84	275.40	VB	5.0000e5	0.6549	25.0704		0.0026
29	10.595	411.47	125.79	BV	5.0000e5	0.6549	25.0704		0.0008
30	10.704	10165.50	1749.34	VE	4.9999e5	0.6549	25.0704		0.0203
31	11.067	563.00	100.80	EB	5.0000e5	0.6549	25.0704		0.0011
32	11.415	89332.84	23968.74	BE	1883.5000	0.6549	25.0704	o-Terphenyl	47.4292
33	12.023	595.00	87.04	EV	5.0000e5	0.6549	25.0704		0.0012
34	12.231	401.22	59.15	VB	5.0000e5	0.6549	25.0704		0.0008
35	13.114	107.50	127.38	BB	5.0000e5	0.6549	25.0704		0.0002
36	14.033	14761.50	1181.27	BB	5.0000e5	0.6549	25.0704		0.0295
		382794.66	72745.09			23.5775	902.5334		78.1113

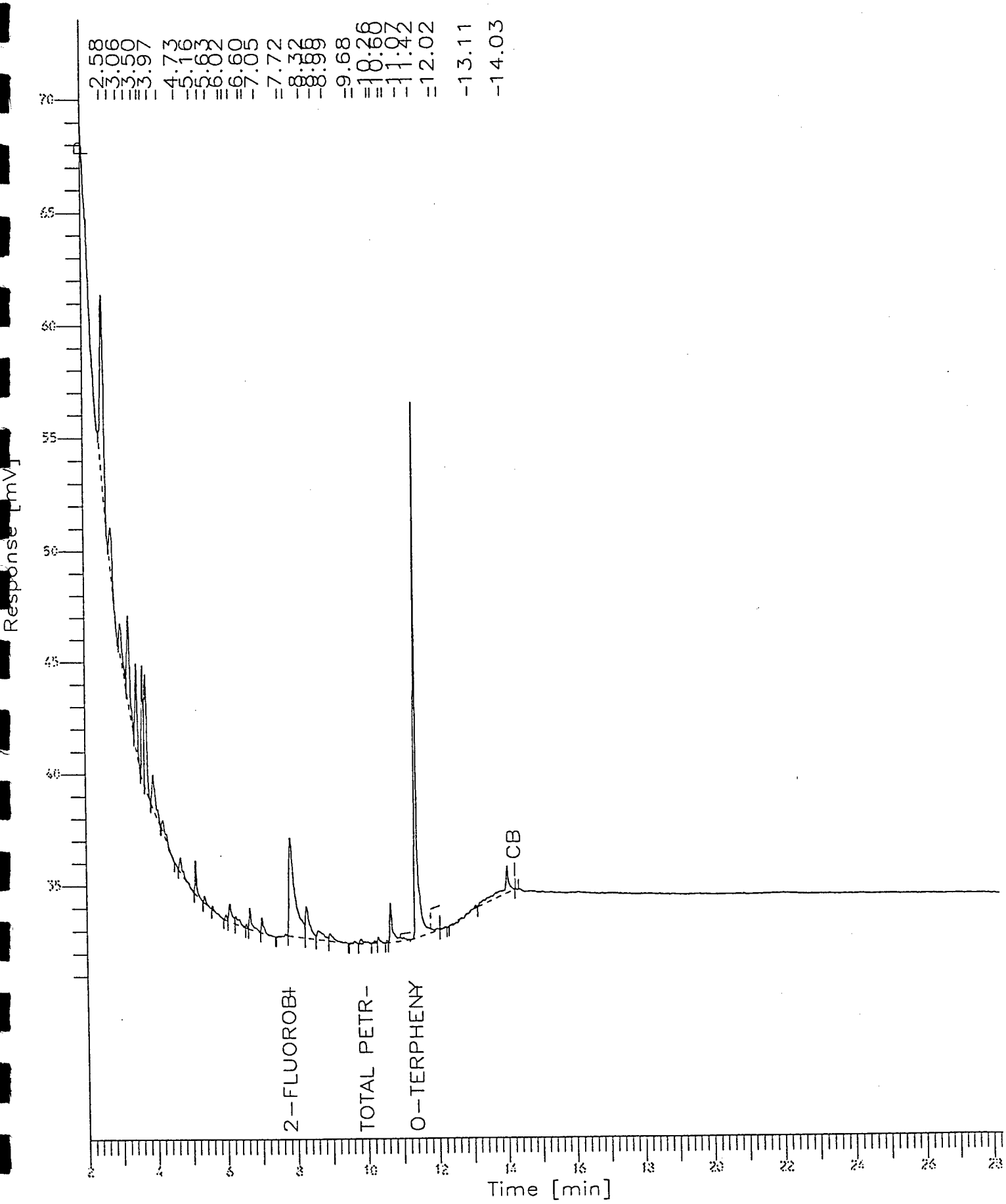
Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.871	51880.44	4374.90	BV	1778.5000	0.6549	9.2485	2-FLUOROBIPHENYL	29.1709
3	11.415	89332.84	23968.74	BE	1883.5000	0.6549	9.2485	o-Terphenyl	47.4292
		141213.28	28343.64			1.3099	18.4970		76.6001

Chromatogram

Sample Name : 950810CXB1
FileName : l:\data\tchrom\pest\hp_t\T___257.raw
Method : DIESELT.ins
Start Time : 2.00 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 31 mV

Sample #: B ;W
Date : 08/14/95 15:49
Time of Injection: 08/14/95 15:20
Low Point : 30.53 mV High Point : 70.04 mV
Plot Scale: 40 mV



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Software Version: 3.2 <16C20>
Sample Name  : 950810CXBS                Time         : 08/14/95  17:33
Sample Number: KB ;W                     Study        : MODWD
Operator     : SEG

Instrument   : HP_T                      Channel : A     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/14/95  17:05
Delay Time     : 2.00   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\T___260.raw
Result File    : l:\data\tchrom\pest\hp_t\T___260.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.328	2396.97	1003.41	BB	5.0000e5	0.6549	1965.2543		0.0048
2	2.567	158387.59	23900.90	BE	5.0000e5	0.6549	1965.2543		0.3168
3	2.818	17890.00	5475.81	EB	4.9999e5	0.6549	1965.2543		0.0358
4	2.940	7540.47	2725.99	BB	5.0000e5	0.6549	1965.2543		0.0151
5	3.074	2575.00	694.65	BB	5.0000e5	0.6549	1965.2543		0.0052
6	3.182	95702.56	22646.00	BV	4.9999e5	0.6549	1965.2543		0.1914
7	3.367	22673.84	5943.69	VB	5.0000e5	0.6549	1965.2543		0.0454
8	3.509	21442.03	3653.66	BB	5.0000e5	0.6549	1965.2543		0.0429
9	3.675	52043.34	12835.57	BV	5.0000e5	0.6549	1965.2543		0.1041
10	3.835	67668.94	11772.63	VV	5.0000e5	0.6549	1965.2543		0.1353
11	3.947	32441.94	9571.26	VV	5.0000e5	0.6549	1965.2543		0.0649
12	4.032	24926.31	9969.38	VB	5.0000e5	0.6549	1965.2543		0.0499
13	4.163	13946.83	4331.44	BV	5.0000e5	0.6549	1965.2543		0.0279
14	4.253	227922.19	59923.39	VB	5.0000e5	0.6549	1965.2543		0.4558
15	4.455	34342.63	9280.46	BV	5.0000e5	0.6549	1965.2543		0.0687
16	4.591	55309.00	9303.20	VV	5.0000e5	0.6549	1965.2543		0.1106
17	4.800	98255.97	15819.90	VV	5.0000e5	0.6549	1965.2543		0.1965
18	4.891	79699.00	17733.44	VV	5.0000e5	0.6549	1965.2543		0.1594
19	4.984	28179.39	8270.41	VV	5.0000e5	0.6549	1965.2543		0.0564
20	5.059	56503.22	11706.62	VV	5.0000e5	0.6549	1965.2543		0.1130
21	5.180	386187.88	86315.62	VE	5.0000e5	0.6549	1965.2543		0.7724
22	5.328	37427.00	13263.42	EV	5.0000e5	0.6549	1965.2543		0.0749
23	5.404	51571.88	11678.05	VV	5.0000e5	0.6549	1965.2543		0.1031
24	5.500	68824.44	14404.73	VV	4.9999e5	0.6549	1965.2543		0.1377
25	5.607	96156.50	24859.77	VV	5.0000e5	0.6549	1965.2543		0.1923
26	5.686	184096.16	42639.56	VV	5.0000e5	0.6549	1965.2543		0.3682
27	5.766	195613.69	38109.86	VV	5.0000e5	0.6549	1965.2543		0.3912
28	6.006	501009.53	144497.70	VV	5.0000e5	0.6549	1965.2543		1.0020
29	6.119	212692.38	40399.73	VV	5.0000e5	0.6549	1965.2543		0.4254
30	6.238	84538.48	18927.20	VV	5.0000e5	0.6549	1965.2543		0.1691
31	6.346	157931.95	41801.21	VV	5.0000e5	0.6549	1965.2543		0.3159
32	6.520	459887.69	56039.59	VV	5.0000e5	0.6549	1965.2543		0.9198
33	6.582	201087.41	40375.59	VV	5.0000e5	0.6549	1965.2543		0.4022
34	6.765	754934.25	177955.80	VV	5.0000e5	0.6549	1965.2543		1.5099
35	6.867	274317.28	51505.19	VV	4.9999e5	0.6549	1965.2543		0.5486
36	6.988	117239.83	30242.97	VV	5.0000e5	0.6549	1965.2543		0.2345
37	7.114	751921.50	128834.58	VV	5.0000e5	0.6549	1965.2543		1.5038
38	7.233	412490.63	118669.78	VV	5.0000e5	0.6549	1965.2543		0.8250
39	7.366	303648.22	59771.74	VV	4.9999e5	0.6549	1965.2543		0.6073
40	7.463	1288131.25	253824.23	VV	5.0000e5	0.6549	1965.2543		2.5763
41	7.798	966110.44	102877.55	VV	1778.5000	0.6549	1965.2543	2-FLUOROBIPHENYL	543.2164
42	8.000	988995.19	101422.15	VV	5.0000e5	0.6549	1965.2543		1.9780
43	8.122	1294985.13	300913.88	VV	4.9999e5	0.6549	1965.2543		2.5900
44	8.351	1152755.75	141874.13	VV	5.0000e5	0.6549	1965.2543		2.3055
45	8.487	591748.13	89483.07	VV	5.0000e5	0.6549	1965.2543		1.1835
46	8.665	860847.00	199754.00	VV	5.0000e5	0.6549	1965.2543		1.7217
47	8.741	995144.38	310652.06	VV	5.0000e5	0.6549	1965.2543		1.9903
48	8.839	483652.47	119554.56	VV	5.0000e5	0.6549	1965.2543		0.9673
49	8.915	319948.47	82290.41	VV	5.0000e5	0.6549	1965.2543		

50	8.998	940705.88	131500.47	VV	5.0000e5	0.6549	1965.2543		1.8814
51	9.151	512904.16	96014.38	VV	5.0000e5	0.6549	1965.2543		1.0258
52	9.330	1609636.63	313938.94	VV	5.0000e5	0.6549	1965.2543		3.2193
53	9.453	411226.38	85652.23	VV	5.0000e5	0.6549	1965.2543		0.8225
54	9.647	1076163.88	112699.31	VV	5.0000e5	0.6549	1965.2543		2.1523
55	9.747	722775.13	101748.06	VV	5.0000e5	0.6549	1965.2543		1.4456
56	9.890	1167753.25	259721.48	VV	5.0000e5	0.6549	1965.2543		2.3355
57	10.104	649429.44	79524.77	VV	1778.5001	0.6549	1965.2543	Total Petroleum Hydr	365.1557
58	10.262	1060013.75	108081.41	VV	5.0000e5	0.6549	1965.2543		2.1200
59	10.426	988464.50	198643.27	VV	5.0000e5	0.6549	1965.2543		1.9769
60	10.621	531372.13	63786.01	VV	5.0000e5	0.6549	1965.2543		1.0627
61	10.724	324702.69	71063.50	VV	5.0000e5	0.6549	1965.2543		0.6494
62	10.794	386019.81	68364.98	VV	4.9999e5	0.6549	1965.2543		0.7720
63	10.933	968833.56	154523.56	VV	5.0000e5	0.6549	1965.2543		1.9377
64	11.133	335279.38	53029.37	VV	5.0000e5	0.6549	1965.2543		0.6706
65	11.267	330892.56	54233.62	VV	5.0000e5	0.6549	1965.2543		0.6618
66	11.416	1049521.75	105605.59	VV	1883.5000	0.6549	1965.2543	o-Terphenyl	557.2189
67	11.699	376055.59	39019.87	VV	5.0000e5	0.6549	1965.2543		0.7521
68	11.900	333813.94	39476.46	VV	5.0000e5	0.6549	1965.2543		0.6676
69	12.066	186649.34	27573.71	VV	5.0000e5	0.6549	1965.2543		0.3733
70	12.208	160574.19	27997.50	VV	5.0000e5	0.6549	1965.2543		0.3212
71	12.305	249712.19	20380.08	VV	5.0000e5	0.6549	1965.2543		0.4994
72	12.587	86398.50	11825.53	VV	5.0000e5	0.6549	1965.2543		0.1728
73	12.710	56734.88	10169.83	VV	5.0000e5	0.6549	1965.2543		0.1135
74	12.792	32136.69	8649.46	VV	5.0000e5	0.6549	1965.2543		0.0643
75	12.868	35426.97	7682.69	VV	4.9999e5	0.6549	1965.2543		0.0709
76	12.956	39581.97	6618.98	VV	5.0000e5	0.6549	1965.2543		0.0792
77	13.064	32086.72	4710.90	VV	5.0000e5	0.6549	1965.2543		0.0642
78	13.201	18174.80	3314.41	VV	5.0000e5	0.6549	1965.2543		0.0364
79	13.297	33108.38	2776.33	VV	5.0000e5	0.6549	1965.2543		0.0662
80	13.663	2889.38	743.48	VB	5.0000e5	0.6549	1965.2543		0.0058
81	14.044	4314.00	710.19	BB	5.0000e5	0.6549	1965.2543		0.0086
		30007090.00	5.35e6			53.0493	1.5918e5		1520.2752

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.798	966110.44	102877.55	BV	1778.5000	0.6549	132.0098	2-FLUOROBIPHENYL	543.2164
3	11.416	1049521.75	105605.59	VV	1883.5000	0.6549	132.0098	o-Terphenyl	557.2189
		2015632.25	208483.13			1.3099	264.0196		1100.4353

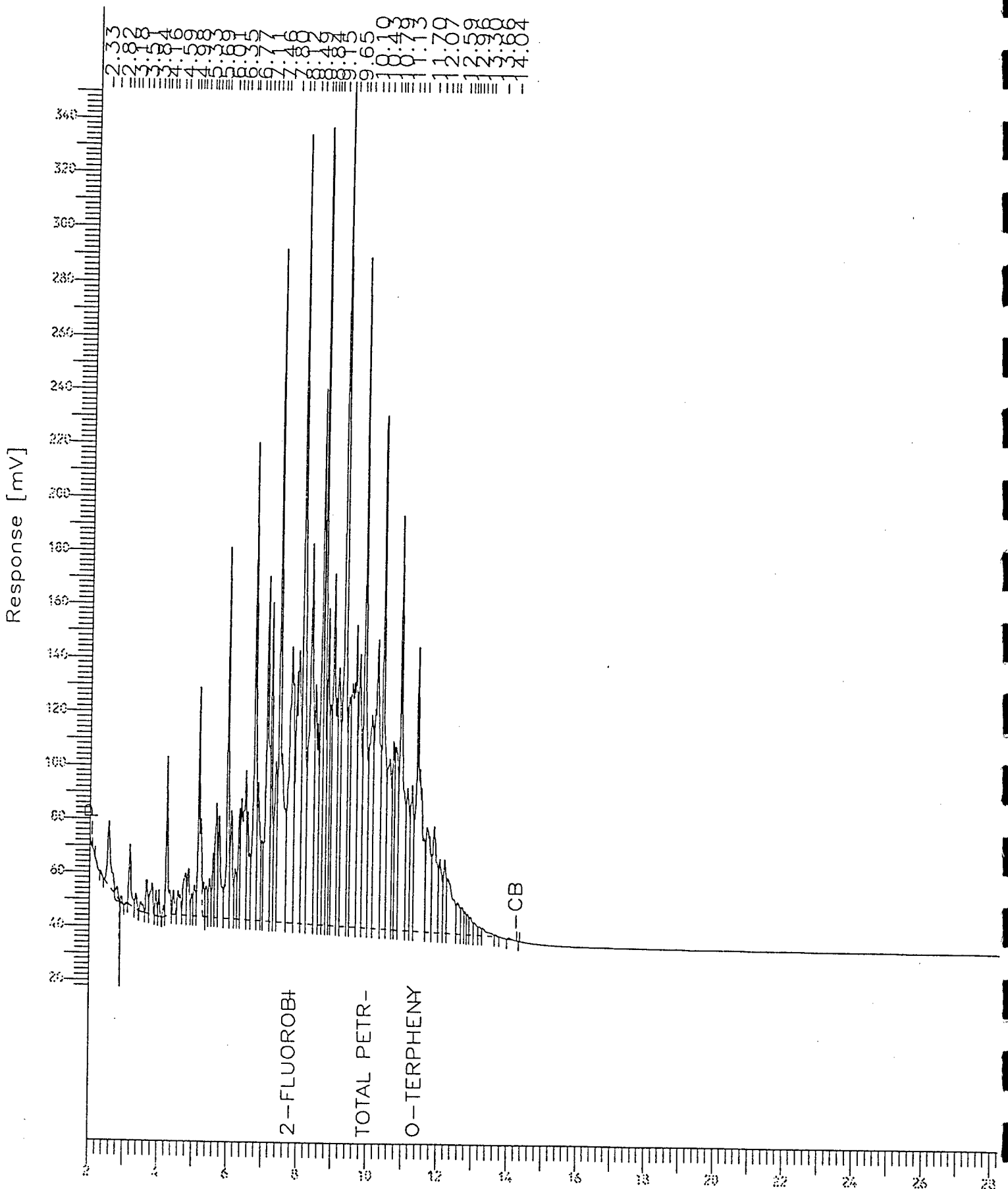
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___260.TXO

Chromatogram

Sample Name : 950810CXBS
FileName : l:\data\tchrom\pest\hp_t\T___260.raw
Method : DIESELT.ins
Start Time : 2.00 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: KB ;W Page 1 of 1
Date : 08/14/95 17:33
Time of Injection: 08/14/95 17:05
Low Point : 17.42 mV High Point : 351.18 mV
Plot Scale: 334 mV



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================================================================================
Software Version: 3.2 <16C20>
  Sample Name  : 950810CXBSD              Time         : 08/14/95  18:08
  Sample Number: KBD;W                   Study        : MODWD
  Operator     : SEG

  Instrument   : HP_T                    Channel : A     A/D mV Range : 1000
  AutoSampler  : HP 7673A
  Rack/Vial    : 0/0

  Interface Serial # : 4118271220   Data Acquisition Time: 08/14/95  17:40
  Delay Time     : 2.00   min.
  End Time       : 28.25  min.
  Sampling Rate  : 1.0000   pts/sec

  Raw Data File  : l:\data\tchrom\pest\hp_t\T___261.raw
  Result File    : l:\data\tchrom\pest\hp_t\T___261.rst
  Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
  Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
  Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
  Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.342	12943.69	2155.28	BV	5.0000e5	0.6549	2186.1477		0.0259
2	2.571	191619.56	25217.38	VV	5.0000e5	0.6549	2186.1477		0.3832
3	2.818	27364.69	6327.47	VB	5.0000e5	0.6549	2186.1477		0.0547
4	2.942	8042.00	2954.43	BB	5.0000e5	0.6549	2186.1477		0.0161
5	3.082	10269.50	2302.08	BV	5.0000e5	0.6549	2186.1477		0.0205
6	3.182	110488.88	27069.60	VV	5.0000e5	0.6549	2186.1477		0.2210
7	3.295	22526.78	6291.97	VV	4.9999e5	0.6549	2186.1477		0.0451
8	3.370	26867.34	7521.38	VV	5.0000e5	0.6549	2186.1477		0.0537
9	3.510	39718.53	7664.70	VB	5.0000e5	0.6549	2186.1477		0.0794
10	3.676	51339.81	13876.72	BV	5.0000e5	0.6549	2186.1477		0.1027
11	3.833	93781.66	13711.94	VB	5.0000e5	0.6549	2186.1477		0.1876
12	3.947	38971.50	11406.35	BV	5.0000e5	0.6549	2186.1477		0.0779
13	4.032	24996.50	10371.75	VB	5.0000e5	0.6549	2186.1477		0.0500
14	4.163	16326.56	5018.09	BV	5.0000e5	0.6549	2186.1477		0.0327
15	4.253	264210.59	68709.80	VV	5.0000e5	0.6549	2186.1477		0.5284
16	4.455	47950.63	11626.36	VV	5.0000e5	0.6549	2186.1477		0.0959
17	4.590	73261.94	11553.74	VV	5.0000e5	0.6549	2186.1477		0.1465
18	4.800	134560.16	19131.56	VV	5.0000e5	0.6549	2186.1477		0.2691
19	4.891	84152.22	21106.35	VV	4.9999e5	0.6549	2186.1477		0.1683
20	4.985	27272.55	10420.89	VV	5.0000e5	0.6549	2186.1477		0.0546
21	5.059	78901.38	14189.43	VV	5.0000e5	0.6549	2186.1477		0.1578
22	5.180	452820.44	101389.23	VE	5.0000e5	0.6549	2186.1477		0.9056
23	5.328	46229.00	16061.58	EV	5.0000e5	0.6549	2186.1477		0.0925
24	5.405	63682.08	14233.84	VV	5.0000e5	0.6549	2186.1477		0.1274
25	5.500	85785.14	17648.91	VV	5.0000e5	0.6549	2186.1477		0.1716
26	5.607	115510.83	29572.42	VV	5.0000e5	0.6549	2186.1477		0.2310
27	5.686	216222.27	49989.85	VV	5.0000e5	0.6549	2186.1477		0.4324
28	5.766	232604.00	44510.08	VV	5.0000e5	0.6549	2186.1477		0.4652
29	6.006	583696.19	168096.16	VV	5.0000e5	0.6549	2186.1477		1.1674
30	6.122	237301.25	43681.41	VV	5.0000e5	0.6549	2186.1477		0.4746
31	6.239	99952.08	22301.42	VV	5.0000e5	0.6549	2186.1477		0.1999
32	6.346	184484.89	48597.23	VV	5.0000e5	0.6549	2186.1477		0.3690
33	6.520	526897.38	63726.58	VV	5.0000e5	0.6549	2186.1477		1.0538
34	6.582	256566.69	46507.81	VV	5.0000e5	0.6549	2186.1477		0.5131
35	6.766	825945.50	202665.36	VV	5.0000e5	0.6549	2186.1477		1.6519
36	6.867	310520.06	57781.45	VV	5.0000e5	0.6549	2186.1477		0.6210
37	6.989	134902.17	34955.32	VV	4.9999e5	0.6549	2186.1477		0.2698
38	7.114	848389.13	144978.80	VV	5.0000e5	0.6549	2186.1477		1.6968
39	7.233	465581.31	134892.05	VV	5.0000e5	0.6549	2186.1477		0.9312
40	7.367	342796.50	67562.31	VV	5.0000e5	0.6549	2186.1477		0.6856
41	7.463	1437400.50	282590.75	VV	5.0000e5	0.6549	2186.1477		2.8748
42	7.798	1073277.25	115475.71	VV	1778.5001	0.6549	2186.1477	2-FLUOROBIPHENYL	603.4733
43	7.999	1096772.50	112934.23	VV	4.9999e5	0.6549	2186.1477		2.1936
44	8.122	1417966.75	329928.44	VV	5.0000e5	0.6549	2186.1477		2.8359
45	8.351	1264529.50	155281.66	VV	5.0000e5	0.6549	2186.1477		2.5291
46	8.487	651398.88	98267.86	VV	4.9999e5	0.6549	2186.1477		1.3028
47	8.666	941220.63	217365.77	VV	5.0000e5	0.6549	2186.1477		1.8824
48	8.741	1085260.63	338695.16	VV	5.0000e5	0.6549	2186.1477		2.1705
49	8.839	530424.06	131406.06	VV	5.0000e5	0.6549	2186.1477		1.0609

50	8.916	348880.03	90195.40	VV	5.0000e5	0.6549	2186.1477		0.6978
51	8.998	1030048.88	144190.23	VV	5.0000e5	0.6549	2186.1477		2.0601
52	9.151	562068.44	105435.70	VV	4.9999e5	0.6549	2186.1477		1.1241
53	9.330	1752277.63	339632.16	VV	5.0000e5	0.6549	2186.1477		3.5046
54	9.454	449405.84	93217.52	VV	5.0000e5	0.6549	2186.1477		0.8988
55	9.647	1175651.50	122507.38	VV	4.9999e5	0.6549	2186.1477		2.3513
56	9.747	789676.38	111071.04	VV	5.0000e5	0.6549	2186.1477		1.5794
57	9.890	1199609.00	280076.03	VV	4.9999e5	0.6549	2186.1477		2.3992
58	10.104	777478.69	87054.79	VV	1778.5000	0.6549	2186.1477	Total Petroleum Hydr	437.1542
59	10.262	1229346.00	117734.02	VV	5.0000e5	0.6549	2186.1477		2.4587
60	10.426	999324.50	215112.64	VV	5.0000e5	0.6549	2186.1477		1.9987
61	10.623	580909.13	69642.73	VV	5.0000e5	0.6549	2186.1477		1.1618
62	10.723	353486.19	77363.20	VV	5.0000e5	0.6549	2186.1477		0.7070
63	10.796	421373.47	74838.77	VV	5.0000e5	0.6549	2186.1477		0.8428
64	10.933	1053675.25	167861.64	VV	4.9999e5	0.6549	2186.1477		2.1074
65	11.133	366871.25	57930.28	VV	5.0000e5	0.6549	2186.1477		0.7337
66	11.267	407686.22	59287.86	VV	4.9999e5	0.6549	2186.1477		0.8154
67	11.416	1100517.50	114404.60	VV	1883.5000	0.6549	2186.1477	o-Terphenyl	584.2939
68	11.699	413052.09	42930.18	VV	5.0000e5	0.6549	2186.1477		0.8261
69	11.901	367149.97	42665.45	VV	5.0000e5	0.6549	2186.1477		0.7343
70	12.065	206353.78	30230.61	VV	5.0000e5	0.6549	2186.1477		0.4127
71	12.208	177743.59	30839.13	VV	5.0000e5	0.6549	2186.1477		0.3555
72	12.306	292135.00	22637.97	VV	5.0000e5	0.6549	2186.1477		0.5843
73	12.588	87002.98	13509.71	VV	5.0000e5	0.6549	2186.1477		0.1740
74	12.707	102343.28	11590.49	VV	5.0000e5	0.6549	2186.1477		0.2047
75	12.868	49148.31	9014.40	VV	5.0000e5	0.6549	2186.1477		0.0983
76	12.961	40034.45	7839.77	VV	5.0000e5	0.6549	2186.1477		0.0801
77	13.062	62602.56	5685.26	VV	4.9999e5	0.6549	2186.1477		0.1252
78	13.298	41762.06	3679.10	VV	5.0000e5	0.6549	2186.1477		0.0835
79	13.561	9598.38	1975.27	VV	5.0000e5	0.6549	2186.1477		0.0192
80	13.664	13040.44	1547.16	VB	5.0000e5	0.6549	2186.1477		0.0261
81	14.049	5911.44	957.90	BB	5.0000e5	0.6549	2186.1477		0.0118
		33379870.00	5.94e6			53.0493	1.7707e5		1685.7786

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.798	1073277.25	115475.71	BV	1778.5001	0.6549	142.3683	2-FLUOROBIPHENYL	603.4733
3	11.416	1100517.50	114404.60	VV	1883.5000	0.6549	142.3683	o-Terphenyl	584.2939
		2173794.75	229880.31			1.3099	284.7367		1187.7671

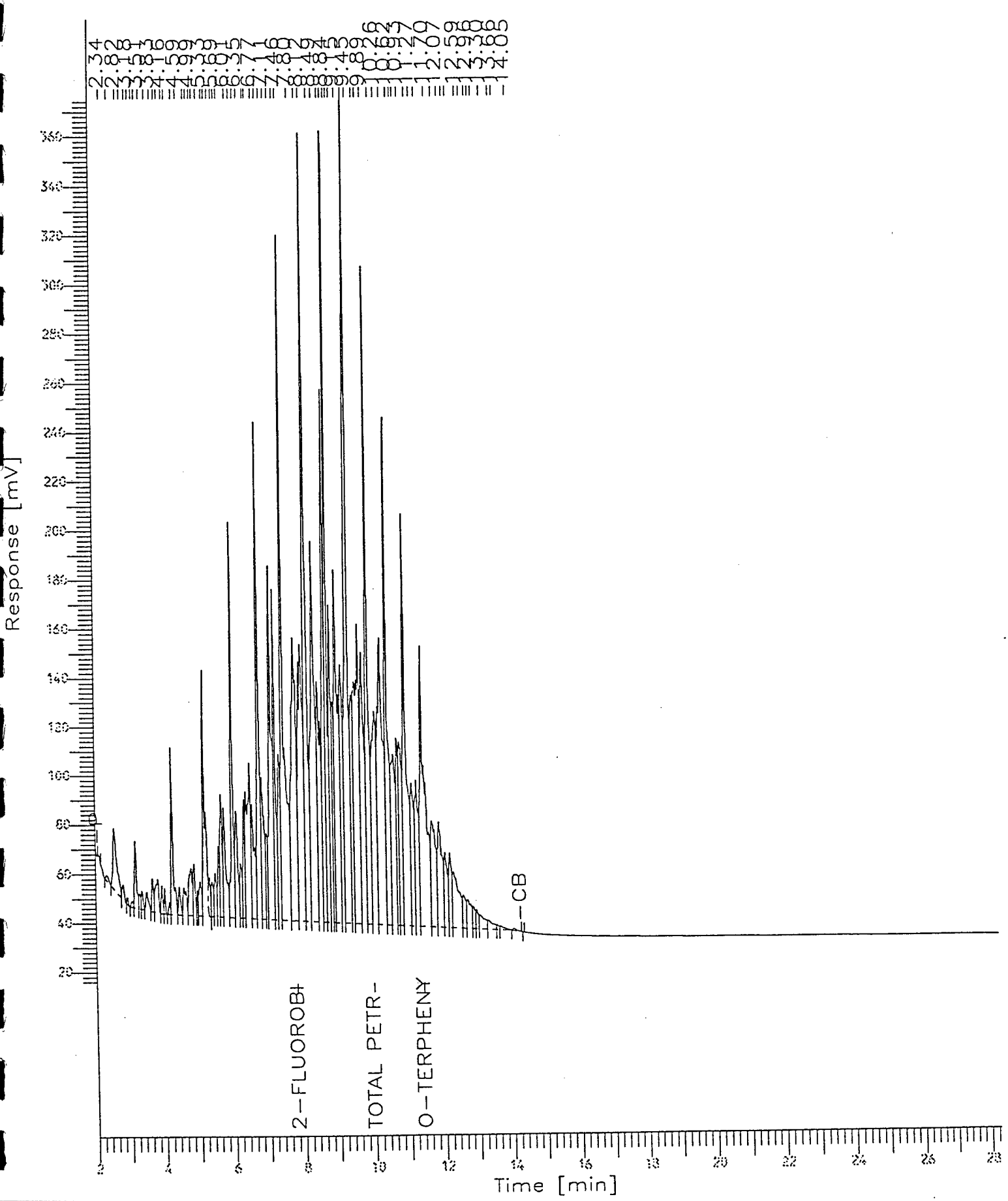
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___261.TXO

Chromatogram

Sample Name : 950810CXBSD
FileName : l:\data\tchrom\pest\hp_t\T___261.raw
Method : DIESELT.ins
Start Time : 2.00 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 15 mV

Sample #: KBD;W
Date : 08/14/95 18:08
Time of Injection: 08/14/95 17:40
Low Point : 15.20 mV High Point : 375.39 mV
Plot Scale: 360 mV



ORG. EXTR. RECORD

8/24

1 DROW

JOB # 9508461

TEST: MODSD DROS

SAMPLE	DATE	VOL/WEIGHT mls. or grms.	SURR	AMT. mls.	ID #	SPIKE	AMT. mls.	ID #	FINAL VOL (mL)	TECH.	COMMENTS
1A	8/16	20.0	DIESEL	1.0	467. 16·11	–	–	–	2.0	RN SW	
2A	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
3A MS	↓	↓	↓	↓	↓	DIESEL	1.0	467. 16·08	↓	↓	
4A MSD	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Q.C. INFO:

BLANK: 950816-SNB1

LCS: SNLCS

MS: 9508461-3A MS

MSD: 4A MSD

ROB

Software Version: 3.2 <16C20>
Sample Name : 100 ug/ml
Sample Number:
Operator : SEG

Time : 08/21/95 12:29
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 12:00
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

0.34045

CURVE

Raw Data File : l:\data\tchrom\pest\hp_t\TT__750.raw
Result File : l:\data\tchrom\pest\hp_t\TT__750.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	1.469	244.50	103.21	BB	5.0000e5	0.4605	135.0511		0.0005
2	1.810	495.00	112.55	BB	5.0000e5	0.4605	135.0511		0.0010
3	2.579	719.00	136.30	BB	5.0000e5	0.4605	135.0511		0.0014
4	2.718	1434.50	410.38	BV	5.0000e5	0.4605	135.0511		0.0029
5	3.081	297177.91	96653.09	VE	5.0000e5	0.4605	135.0511		0.5944
6	3.467	2075.00	227.00	EV	5.0000e5	0.4605	135.0511		0.0042
7	3.686	2217.13	266.79	VV	5.0000e5	0.4605	135.0511		0.0044
8	3.796	1124.00	263.48	VV	5.0000e5	0.4605	135.0511		0.0023
9	3.913	2879.66	531.10	VV	5.0000e5	0.4605	135.0511		0.0058
10	4.163	3266.97	308.93	VV	5.0000e5	0.4605	135.0511		0.0065
11	4.412	3827.84	276.12	VV	5.0000e5	0.4605	135.0511		0.0077
12	4.614	3487.91	425.86	VV	5.0000e5	0.4605	135.0511		0.0070
13	4.683	1432.36	418.00	VV	5.0000e5	0.4605	135.0511		0.0029
14	4.810	3592.84	652.93	VV	5.0000e5	0.4605	135.0511		0.0072
15	5.065	311922.13	119273.93	VE	5.0000e5	0.4605	135.0511		0.6238
16	5.408	8907.00	622.48	EV	5.0000e5	0.4605	135.0511		0.0178
17	5.866	5262.75	432.96	VV	1969.9999	0.4605	135.0511	2-FLUOROBIPHENYL	2.6715
18	6.281	9702.31	843.68	VV	5.0000e5	0.4605	135.0511		0.0194
19	6.384	5388.44	901.24	VV	5.0000e5	0.4605	135.0511		0.0108
20	6.594	321403.69	120525.88	VE	5.0000e5	0.4605	135.0511		0.6428
21	7.111	3666.00	411.38	EV	5.0000e5	0.4605	135.0511		0.0073
22	7.402	6827.63	832.10	VV	5.0000e5	0.4605	135.0511		0.0137
23	7.618	3209.19	366.59	VV	5.0000e5	0.4605	135.0511		0.0064
24	7.728	2609.27	622.72	VV	4.9999e5	0.4605	135.0511		0.0052
25	7.909	312958.09	117933.91	VE	1970.0001	0.4605	135.0511	Total Petroleum Hydr	158.8620
26	8.453	2719.00	236.70	EV	5.0000e5	0.4605	135.0511		0.0054
27	8.922	3025.75	257.77	VV	1970.0000	0.4605	135.0511	o-Terphenyl	1.5359
28	9.082	297528.75	121494.35	VE	5.0000e5	0.4605	135.0511		0.5951
29	9.527	1538.00	145.75	EV	5.0000e5	0.4605	135.0511		0.0031
30	9.782	455.64	119.74	VV	5.0000e5	0.4605	135.0511		0.0009
31	10.004	4488.22	1119.42	VV	5.0000e5	0.4605	135.0511		0.0090
32	10.146	286969.56	114992.29	VV	4.9999e5	0.4605	135.0511		0.5739
33	10.469	970.50	283.92	VB	5.0000e5	0.4605	135.0511		0.0019
34	10.665	759.44	161.44	BV	5.0000e5	0.4605	135.0511		0.0015
35	10.882	930.50	143.88	VV	5.0000e5	0.4605	135.0511		0.0019
36	11.118	270831.06	109895.80	VB	5.0000e5	0.4605	135.0511		0.5417
37	11.537	1742.00	352.45	BB	5.0000e5	0.4605	135.0511		0.0035
38	11.704	362.25	119.64	BV	5.0000e5	0.4605	135.0511		0.0007
39	12.014	246592.81	97310.48	VV	5.0000e5	0.4605	135.0511		0.4932
40	12.172	16292.72	6278.93	VV	5.0000e5	0.4605	135.0511		0.0326
41	12.298	2357.86	852.96	VV	5.0000e5	0.4605	135.0511		0.0047
42	12.419	428.36	113.16	VB	5.0000e5	0.4605	135.0511		0.0009
43	12.842	232196.50	87100.90	BV	5.0000e5	0.4605	135.0511		0.4644
44	13.633	245600.56	78009.87	VE	5.0000e5	0.4605	135.0511		0.4912
45	13.804	1404.00	189.25	EB	5.0000e5	0.4605	135.0511		0.0028
		2933024.25	1.08e6			20.7203	6077.3013		168.2929

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.866	5262.75	432.96	BV	1969.9999	0.4605	0.3816	2-FLUOROBIPHENYL	2.6715
3	8.922	3025.75	257.77	BV	1970.0000	0.4605	0.3816	o-Terphenyl	1.5359
		8288.50	690.72			0.9209	0.7633		4.2074

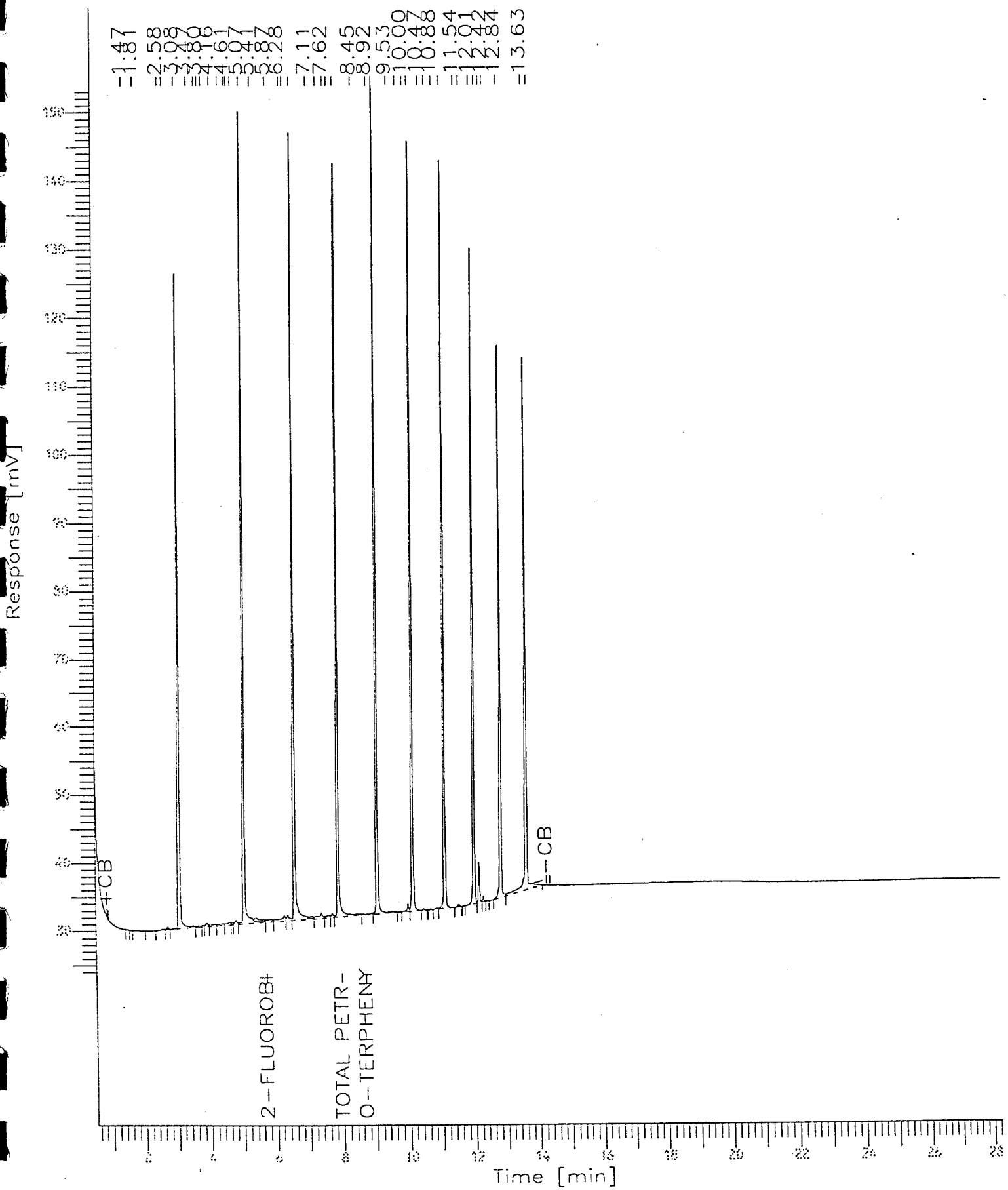
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__750.TXO

Chromatogram

Sample Name :
FileName : l:\data\tchrom\pest\hp_t\TT__750.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 24 mV

Sample #:
Date : 08/21/95 12:29
Time of Injection: 08/21/95 12:00
Low Point : 23.88 mV High Point : 153.83 mV
Plot Scale: 130 mV



Software Version: 3.2 <16C20>
Sample Name : 375 ug/ml
Sample Number:
Operator : SEG

Time : 08/21/95 12:53
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 12:34
Delay Time : 0.50 min.
End Time : 18.40 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__751.raw
Result File : l:\data\tchrom\pest\hp_t\TT__751.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.576	2319.81	407.14	BV	5.0000e5	0.4605	497.4459		0.0046
2	2.718	6009.03	1616.82	VV	5.0000e5	0.4605	497.4459		0.0120
3	3.082	1147200.50	379487.56	VE	5.0000e5	0.4605	497.4459		2.2944
4	3.687	3602.00	360.53	EV	5.0000e5	0.4605	497.4459		0.0072
5	3.797	1615.34	357.11	VV	5.0000e5	0.4605	497.4459		0.0032
6	3.913	3697.06	640.48	VV	5.0000e5	0.4605	497.4459		0.0074
7	4.160	5349.88	359.05	VV	5.0000e5	0.4605	497.4459		0.0107
8	4.413	3695.31	283.75	VV	5.0000e5	0.4605	497.4459		0.0074
9	4.616	2775.83	469.45	VV	5.0000e5	0.4605	497.4459		0.0056
10	4.683	2310.05	713.74	VV	5.0000e5	0.4605	497.4459		0.0046
11	4.813	6228.56	1703.48	VV	5.0000e5	0.4605	497.4459		0.0125
12	5.067	1176782.63	473649.03	VE	5.0000e5	0.4605	497.4459		2.3536
13	5.404	11267.00	673.84	EV	5.0000e5	0.4605	497.4459		0.0225
14	5.868	2623.59	401.11	VV	1969.9999	0.4605	497.4459	2-FLUOROBIPHENYL	1.3318
15	6.151	4637.19	489.60	VV	5.0000e5	0.4605	497.4459		0.0093
16	6.266	6178.47	1239.88	VV	5.0000e5	0.4605	497.4459		0.0124
17	6.385	8645.81	2454.75	VV	5.0000e5	0.4605	497.4459		0.0173
18	6.597	1191903.50	487410.03	VE	5.0000e5	0.4605	497.4459		2.3838
19	7.111	3323.00	331.04	EV	5.0000e5	0.4605	497.4459		0.0067
20	7.274	1906.42	327.62	VV	5.0000e5	0.4605	497.4459		0.0038
21	7.404	2119.34	467.87	VV	5.0000e5	0.4605	497.4459		0.0042
22	7.611	2675.25	483.05	VV	5.0000e5	0.4605	497.4459		0.0054
23	7.730	4617.02	1645.99	VV	4.9999e5	0.4605	497.4459		0.0092
24	7.913	1166594.00	480927.16	VV	1970.0000	0.4605	497.4459	Total Petroleum Hydr	592.1797
25	8.452	3748.88	483.45	VV	5.0000e5	0.4605	497.4459		0.0075
26	8.815	1177.97	107.64	VV	1970.0000	0.4605	497.4459	o-Terphenyl	0.5980
27	8.925	2145.11	620.64	VV	4.9999e5	0.4605	497.4459		0.0043
28	9.085	1142231.25	479096.59	VV	5.0000e5	0.4605	497.4459		2.2845
29	9.524	4354.44	471.78	VB	5.0000e5	0.4605	497.4459		0.0087
30	9.896	1807.66	352.14	BV	5.0000e5	0.4605	497.4459		0.0036
31	10.005	9672.56	3205.38	VV	5.0000e5	0.4605	497.4459		0.0194
32	10.150	1120709.00	469934.81	VV	5.0000e5	0.4605	497.4459		2.2414
33	10.471	1687.50	295.49	VV	5.0000e5	0.4605	497.4459		0.0034
34	10.648	1145.28	357.90	VB	5.0000e5	0.4605	497.4459		0.0023
35	10.839	1899.47	395.12	BV	5.0000e5	0.4605	497.4459		0.0038
36	11.121	1080600.50	432371.69	VB	5.0000e5	0.4605	497.4459		2.1612
37	11.575	771.00	144.83	BB	5.0000e5	0.4605	497.4459		0.0015
38	12.017	990512.00	404701.19	BV	5.0000e5	0.4605	497.4459		1.9810
39	12.177	4661.72	1610.07	VV	5.0000e5	0.4605	497.4459		0.0093
40	12.316	802.50	184.69	VV	5.0000e5	0.4605	497.4459		0.0016
41	12.439	485.28	148.08	VB	5.0000e5	0.4605	497.4459		0.0010
42	12.846	874655.38	342916.38	BV	5.0000e5	0.4605	497.4459		1.7493
43	13.237	1293.63	178.82	VB	5.0000e5	0.4605	497.4459		0.0026
44	13.637	791033.00	278547.22	BB	4.9999e5	0.4605	497.4459		1.5821
		10803471.00	4.25e6			20.2598	21887.6172		613.3756

Group Report For : SURROGATES

ak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.868	2623.59	401.11	BV	1969.9999	0.4605	0.1750	2-FLUOROBIPHENYL	1.3318
3	8.815	1177.97	107.64	VV	1970.0000	0.4605	0.1750	o-Terphenyl	0.5980
		3801.56	508.75			0.9209	0.3501		1.9297

==========

END

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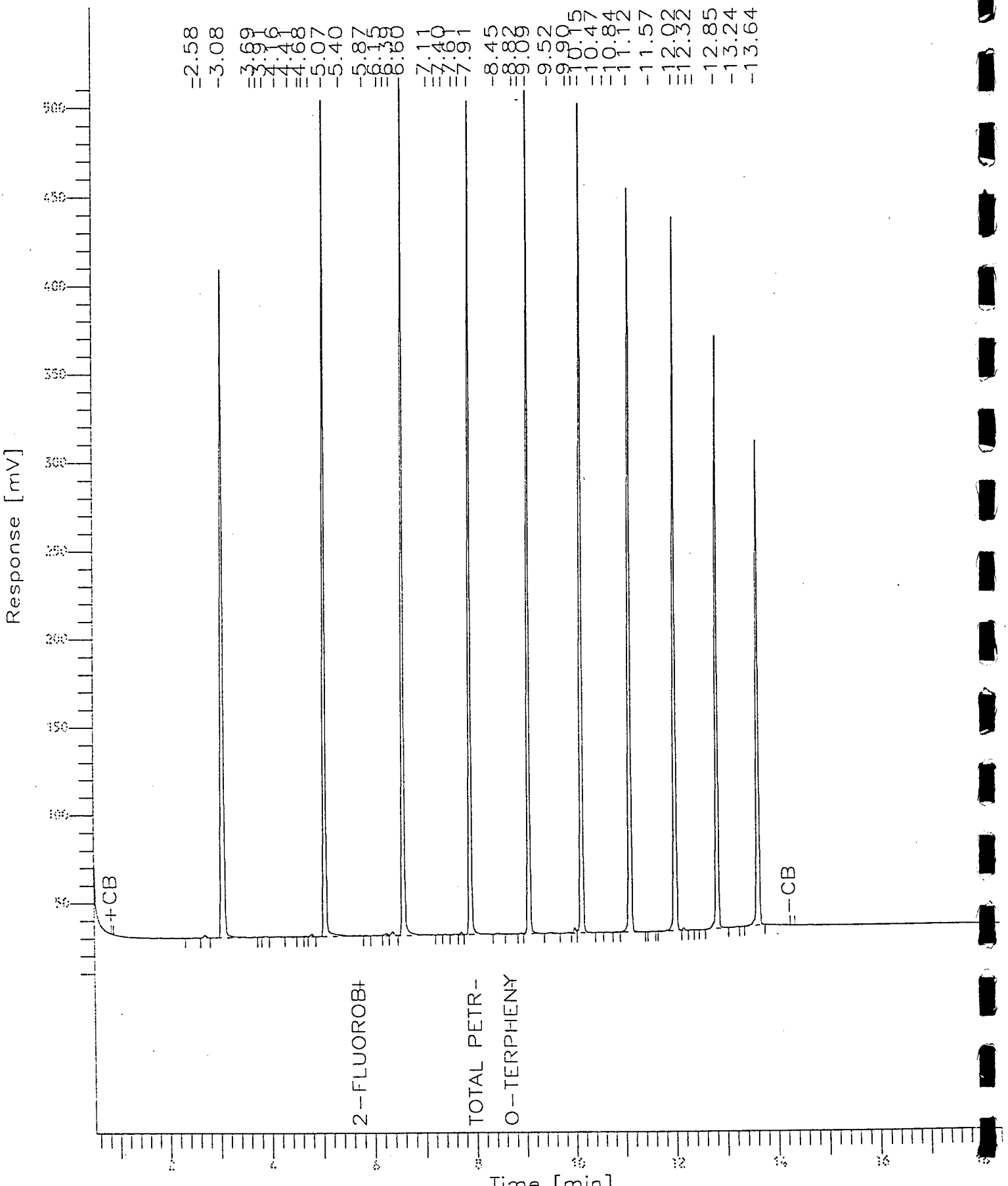
eport Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__751.TXO

Chromatogram

Sample Name :
FileName : l:\data\tchrom\pest\hp_t\TT__751.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 18.40 min
Scale Factor: 1 Plot Offset: 6 mV

Sample #:
Date : 08/21/95 12:53
Time of Injection: 08/21/95 12:34
Low Point : 6.18 mV High Point : 511.93 mV
Plot Scale: 506 mV



Software Version: 3.2 <16C20>
Sample Name : 500 PPM
Sample Number:
Operator : SEG

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220

Time : 08/21/95 13:49
Study : DROS

Channel : B A/D mV Range : 1000

Data Acquisition Time: 08/21/95 13:20
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__752.raw
Result File : l:\data\tchrom\pest\hp_t\TT__752.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.571	2707.75	533.18	BV	5.0000e5	0.4605	673.3915		0.0054
2	2.715	8003.25	2229.58	VB	5.0000e5	0.4605	673.3915		0.0160
3	2.918	185.34	58.75	BV	4.9999e5	0.4605	673.3915		0.0004
4	3.080	1608752.88	529286.38	VE	5.0000e5	0.4605	673.3915		3.2175
5	3.683	977.00	169.08	EV	5.0000e5	0.4605	673.3915		0.0020
6	3.796	599.34	145.59	VV	5.0000e5	0.4605	673.3915		0.0012
7	3.911	1873.94	435.95	VV	5.0000e5	0.4605	673.3915		0.0038
8	4.043	596.64	120.15	VV	5.0000e5	0.4605	673.3915		0.0012
9	4.162	1178.31	171.10	VV	5.0000e5	0.4605	673.3915		0.0024
10	4.616	2494.75	338.31	VV	4.9999e5	0.4605	673.3915		0.0050
11	4.682	1862.47	712.29	VV	5.0000e5	0.4605	673.3915		0.0037
12	4.812	6235.16	2054.77	VV	5.0000e5	0.4605	673.3915		0.0125
13	5.067	1613685.75	657630.94	VE	5.0000e5	0.4605	673.3915		3.2274
14	5.401	8820.00	592.59	EV	5.0000e5	0.4605	673.3915		0.0176
15	5.867	3266.72	322.37	VV	1969.9999	0.4605	673.3915	2-FLUOROBIPHENYL	1.6582
16	6.151	1939.98	468.05	VV	5.0000e5	0.4605	673.3915		0.0039
17	6.266	6567.59	1444.18	VV	5.0000e5	0.4605	673.3915		0.0131
18	6.386	9779.00	3093.81	VV	5.0000e5	0.4605	673.3915		0.0196
19	6.599	1597762.50	672828.38	VE	5.0000e5	0.4605	673.3915		3.1955
20	7.277	1953.00	299.91	EV	5.0000e5	0.4605	673.3915		0.0039
21	7.406	2898.44	861.99	VV	5.0000e5	0.4605	673.3915		0.0058
22	7.614	2591.16	552.52	VV	5.0000e5	0.4605	673.3915		0.0052
23	7.732	5514.53	2108.32	VV	5.0000e5	0.4605	673.3915		0.0110
24	7.915	1535316.75	645420.44	VV	1969.9999	0.4605	673.3915	Total Petroleum Hydr	779.3486
25	8.455	4500.88	578.15	VV	5.0000e5	0.4605	673.3915		0.0090
26	8.813	553.09	123.47	VV	1969.9999	0.4605	673.3915	o-Terphenyl	0.2808
27	8.927	2285.67	770.70	VV	5.0000e5	0.4605	673.3915		0.0046
28	9.087	1496527.25	618218.94	VV	5.0000e5	0.4605	673.3915		2.9931
29	9.528	5850.13	648.13	VB	5.0000e5	0.4605	673.3915		0.0117
30	9.780	784.44	248.65	BV	5.0000e5	0.4605	673.3915		0.0016
31	9.864	2472.31	498.30	VV	5.0000e5	0.4605	673.3915		0.0049
32	10.007	12239.19	4289.98	VV	4.9999e5	0.4605	673.3915		0.0245
33	10.152	1473172.00	614020.81	VV	5.0000e5	0.4605	673.3915		2.9463
34	10.475	2600.81	632.56	VV	4.9999e5	0.4605	673.3915		0.0052
35	10.653	1630.25	484.44	VB	5.0000e5	0.4605	673.3915		0.0033
36	10.842	2874.63	545.96	BV	5.0000e5	0.4605	673.3915		0.0058
37	11.126	1438481.38	569215.69	VB	5.0000e5	0.4605	673.3915		2.8770
38	11.541	3055.00	577.45	BB	5.0000e5	0.4605	673.3915		0.0061
39	11.710	562.04	196.17	BV	4.9999e5	0.4605	673.3915		0.0011
40	12.020	1324215.00	535244.81	VV	4.9999e5	0.4605	673.3915		2.6484
41	12.180	28203.23	10707.53	VV	5.0000e5	0.4605	673.3915		0.0564
42	12.305	4171.56	1153.29	VV	5.0000e5	0.4605	673.3915		0.0083
43	12.436	1140.19	300.89	VB	5.0000e5	0.4605	673.3915		0.0023
44	12.849	1233228.75	498941.84	BV	4.9999e5	0.4605	673.3915		2.4665
45	13.242	1637.16	295.47	VB	5.0000e5	0.4605	673.3915		0.0033
46	13.643	1158613.13	404238.50	BE	5.0000e5	0.4605	673.3915		2.3172
47	13.815	278.00	94.34	EB	5.0000e5	0.4605	673.3915		0.0006
		14624638.00	5.78e6			21.6411	31649.3828		807.4585

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.867	3266.72	322.37	BV	1969.9999	0.4605	0.1759	2-FLUOROBIPHENYL	1.6582
3	8.813	553.09	123.47	BV	1969.9999	0.4605	0.1759	o-Terphenyl	0.2808
		3819.81	445.84			0.9209	0.3518		1.9390

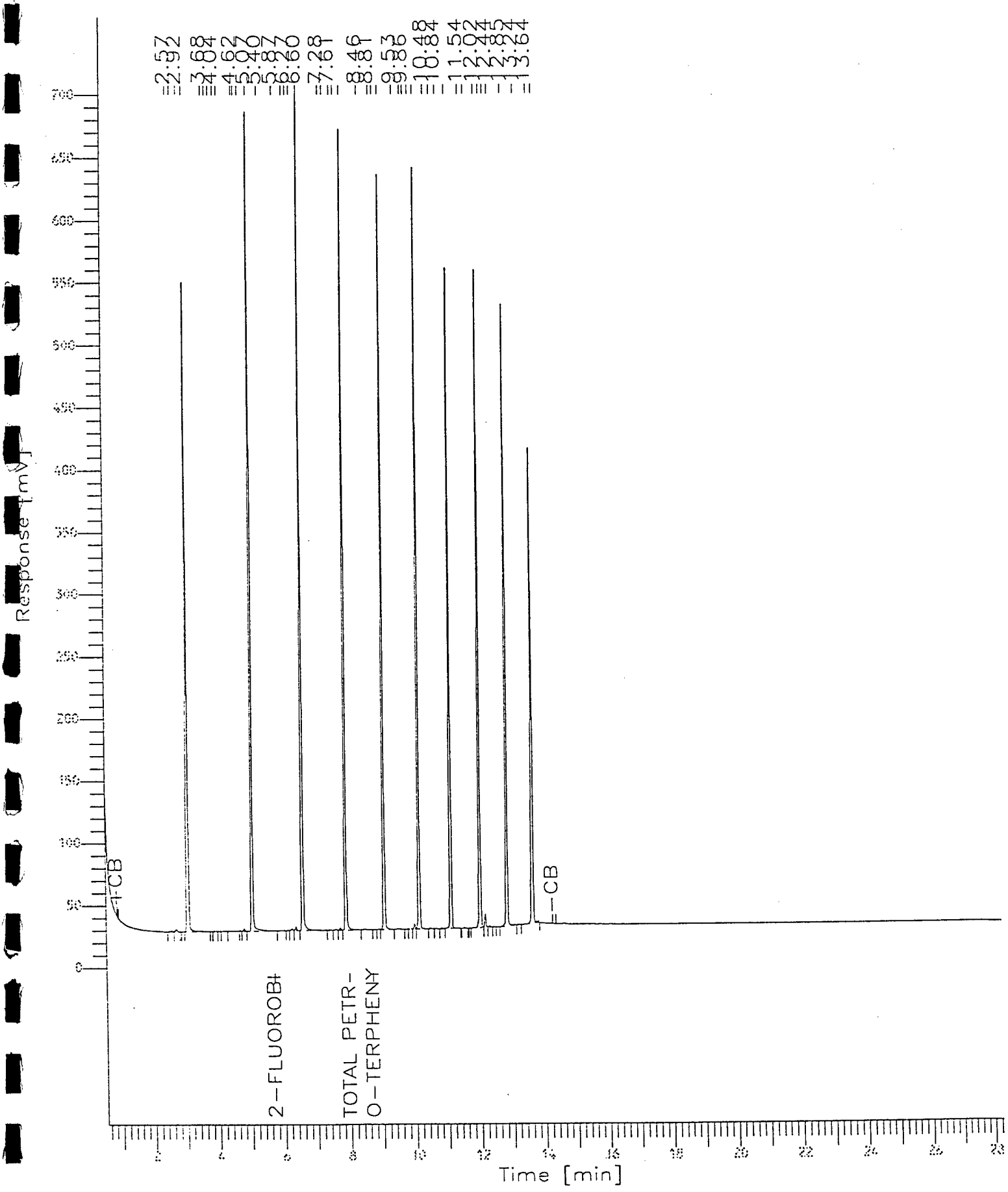
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__752.TXO

Chromatogram

Sample Name : 500 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__752.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -4 mV

Sample #:
Date : 08/21/95 13:49
Time of Injection: 08/21/95 13:20
Low Point : -4.43 mV High Point : 700.06 mV
Plot Scale: 705 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 750 PPM                  Time         : 08/21/95  14:24
Sample Number:                          Study        : DROS
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/21/95  13:55
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__753.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__753.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	1.810	243.00	88.24	BB	5.0000e5	0.4605	1013.2238		0.0005
2	2.577	3876.19	733.26	BV	5.0000e5	0.4605	1013.2238		0.0078
3	2.720	11765.78	3232.08	VB	5.0000e5	0.4605	1013.2238		0.0235
4	3.084	2383516.00	791150.81	BE	5.0000e5	0.4605	1013.2238		4.7670
5	3.688	3666.00	410.32	EV	5.0000e5	0.4605	1013.2238		0.0073
6	3.798	2428.59	392.02	VV	5.0000e5	0.4605	1013.2238		0.0049
7	3.915	3623.41	679.07	VV	5.0000e5	0.4605	1013.2238		0.0073
8	4.164	5679.38	363.08	VV	5.0000e5	0.4605	1013.2238		0.0114
9	4.333	3010.25	292.28	VV	5.0000e5	0.4605	1013.2238		0.0060
10	4.621	3314.91	556.61	VV	5.0000e5	0.4605	1013.2238		0.0066
11	4.685	3423.80	1193.30	VV	5.0000e5	0.4605	1013.2238		0.0069
12	4.815	10660.84	3327.87	VV	5.0000e5	0.4605	1013.2238		0.0213
13	5.070	2448956.25	969477.44	VE	5.0000e5	0.4605	1013.2238		4.8979
14	5.869	3827.00	427.87	EV	1970.0000	0.4605	1013.2238	2-FLUOROBIPHENYL	1.9426
15	6.155	5716.50	738.95	VV	5.0000e5	0.4605	1013.2238		0.0114
16	6.265	9646.78	2159.86	VV	5.0000e5	0.4605	1013.2238		0.0193
17	6.388	15297.47	4700.80	VV	5.0000e5	0.4605	1013.2238		0.0306
18	6.600	2360580.00	971306.88	VE	5.0000e5	0.4605	1013.2238		4.7212
19	7.100	4283.00	421.72	EV	5.0000e5	0.4605	1013.2238		0.0086
20	7.278	2626.41	500.83	VV	5.0000e5	0.4605	1013.2238		0.0053
21	7.408	3590.34	761.92	VV	5.0000e5	0.4605	1013.2238		0.0072
22	7.613	4019.36	859.87	VV	4.9999e5	0.4605	1013.2238		0.0080
23	7.733	8613.92	3136.15	VV	5.0000e5	0.4605	1013.2238		0.0172
24	7.916	2332087.75	971063.63	VV	1970.0000	0.4605	1013.2238	Total Petroleum Hydr	1183.8009
25	8.455	7108.72	875.27	VE	5.0000e5	0.4605	1013.2238		0.0142
26	8.815	718.00	163.14	EV	1970.0000	0.4605	1013.2238	o-Terphenyl	0.3645
27	8.929	4632.20	1538.81	VV	5.0000e5	0.4605	1013.2238		0.0093
28	9.090	2312778.50	926291.88	VV	5.0000e5	0.4605	1013.2238		4.6256
29	9.529	10718.00	1189.19	VV	5.0000e5	0.4605	1013.2238		0.0214
30	9.898	3894.38	735.27	VV	5.0000e5	0.4605	1013.2238		0.0078
31	10.010	17998.84	6299.76	VV	4.9999e5	0.4605	1013.2238		0.0360
32	10.154	2272329.75	929126.19	VV	5.0000e5	0.4605	1013.2238		4.5447
33	10.475	3623.53	626.08	VV	5.0000e5	0.4605	1013.2238		0.0073
34	10.652	2290.84	730.17	VB	5.0000e5	0.4605	1013.2238		0.0046
35	10.843	4015.06	787.42	BV	5.0000e5	0.4605	1013.2238		0.0080
36	11.128	2158221.25	872800.06	VV	5.0000e5	0.4605	1013.2238		4.3164
37	11.576	1995.69	403.04	VB	4.9999e5	0.4605	1013.2238		0.0040
38	12.022	2002363.25	787440.25	BV	5.0000e5	0.4605	1013.2238		4.0047
39	12.181	19801.39	7199.01	VE	4.9999e5	0.4605	1013.2238		0.0396
40	12.314	1517.00	415.24	EV	5.0000e5	0.4605	1013.2238		0.0030
41	12.441	1209.36	347.57	VB	5.0000e5	0.4605	1013.2238		0.0024
42	12.851	1856801.00	735317.25	BE	5.0000e5	0.4605	1013.2238		3.7136
43	13.243	1037.00	395.05	EB	5.0000e5	0.4605	1013.2238		0.0021
44	13.645	1687564.00	599840.13	BB	5.0000e5	0.4605	1013.2238		3.3751
		22005076.00	8.60e6			20.2598	44581.8438		1225.4451

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.869	3827.00	427.87	VV	1970.0000	0.4605	0.2093	2-FLUOROBIPHENYL	1.9426
3	8.815	718.00	163.14	VV	1970.0000	0.4605	0.2093	o-Terphenyl	0.3645
		4545.00	591.01			0.9209	0.4186		2.3071

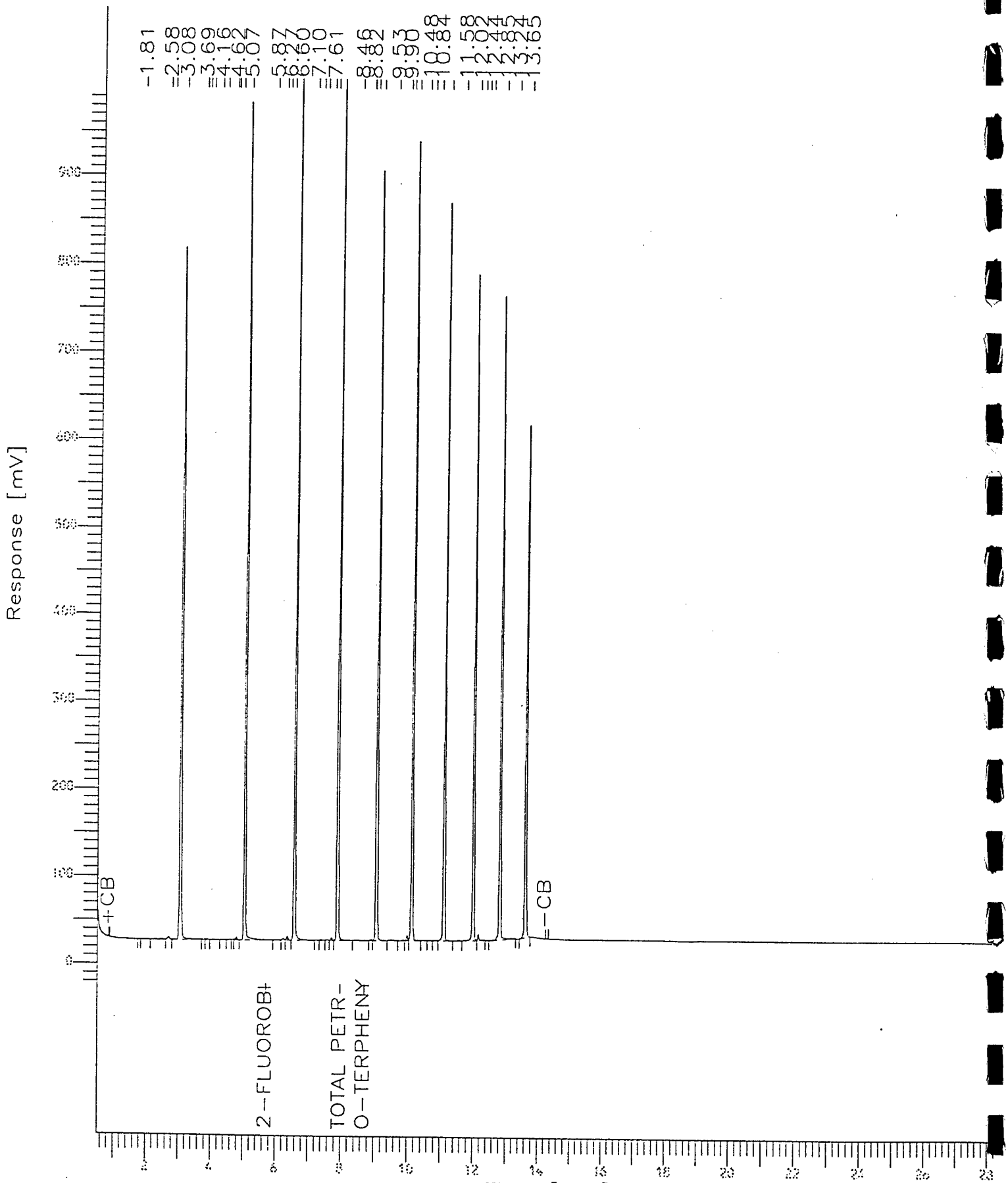
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__753.TXO

Chromatogram

Sample Name : 750 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__753.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -21 mV

Sample #: Page 1 of 1
Date : 08/21/95 14:24
Time of Injection: 08/21/95 13:55
Low Point : -20.85 mV High Point : 1000.00 mV
Plot Scale: 1021 mV



ftware Version: 3.2 <16C20>
Sample Name : 1000 PPM Time : 08/21/95 14:59
Sample Number: Study : DROS
erator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
ck/Vial : 0/0

terface Serial # : 4118271220 Data Acquisition Time: 08/21/95 14:30
Delay Time : 0.50 min.
nd Time : 28.25 min.
mpling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__754.raw
Result File : l:\data\tchrom\pest\hp_t\TT__754.rst
nstrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
rocess File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
ample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

nj. Volume : 1 ul Area Reject : 100.00
ample Amount : 1.0000 Dilution Factor : 1.00

Area/Concentration Report

eak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.581	5167.03	973.65	BV	5.0000e5	0.4605	1176.6726		0.0103
2	2.724	15955.47	4313.32	VB	5.0000e5	0.4605	1176.6726		0.0319
3	3.089	3153779.00	1.00e6	BE	5.0000e5	0.4605	1176.6726		6.3076
4	3.693	4712.00	465.44	EV	5.0000e5	0.4605	1176.6726		0.0094
5	3.803	2131.38	459.91	VV	5.0000e5	0.4605	1176.6726		0.0043
6	3.918	5209.81	711.59	VV	5.0000e5	0.4605	1176.6726		0.0104
7	4.045	1879.45	412.17	VV	5.0000e5	0.4605	1176.6726		0.0038
8	4.166	3582.78	399.78	VV	5.0000e5	0.4605	1176.6726		0.0072
9	4.334	3825.69	324.42	VV	5.0000e5	0.4605	1176.6726		0.0077
10	4.688	7840.50	1483.75	VV	5.0000e5	0.4605	1176.6726		0.0157
11	4.818	13543.86	4423.28	VV	5.0000e5	0.4605	1176.6726		0.0271
12	5.075	2895375.75	1.04e6	VE	5.0000e5	0.4605	1176.6726		5.7908
13	5.873	4367.00	432.76	EV	1970.0000	0.4605	1176.6726	2-FLUOROBIPHENYL	2.2168
14	6.018	2673.38	379.75	VV	5.0000e5	0.4605	1176.6726		0.0054
15	6.157	4229.66	908.58	VV	4.9999e5	0.4605	1176.6726		0.0085
16	6.266	11134.59	2704.49	VV	5.0000e5	0.4605	1176.6726		0.0223
17	6.392	19022.22	6053.56	VV	5.0000e5	0.4605	1176.6726		0.0380
18	6.605	2759503.00	996654.50	VE	5.0000e5	0.4605	1176.6726		5.5190
19	7.109	3961.00	380.05	EV	4.9999e5	0.4605	1176.6726		0.0079
20	7.280	2764.28	571.49	VV	4.9999e5	0.4605	1176.6726		0.0055
21	7.412	3630.56	839.80	VV	5.0000e5	0.4605	1176.6726		0.0073
22	7.615	4735.53	1057.50	VV	5.0000e5	0.4605	1176.6726		0.0095
23	7.735	11034.80	3984.33	VV	5.0000e5	0.4605	1176.6726		0.0221
24	7.921	2713607.25	987661.69	VE	1970.0000	0.4605	1176.6726	Total Petroleum Hydr	1377.4656
25	8.269	2524.00	360.44	EV	5.0000e5	0.4605	1176.6726		0.0051
26	8.458	8185.75	1055.34	VV	5.0000e5	0.4605	1176.6726		0.0164
27	8.819	896.31	192.95	VV	1970.0000	0.4605	1176.6726	o-Terphenyl	0.4550
28	8.932	5663.25	1908.62	VV	5.0000e5	0.4605	1176.6726		0.0113
29	9.093	2716539.50	1.01e6	VV	5.0000e5	0.4605	1176.6726		5.4331
30	9.531	12911.63	1446.17	VV	5.0000e5	0.4605	1176.6726		0.0258
31	9.783	519.16	122.18	VV	5.0000e5	0.4605	1176.6726		0.0010
32	9.900	4661.89	949.62	VV	5.0000e5	0.4605	1176.6726		0.0093
33	10.013	22625.19	8142.78	VV	5.0000e5	0.4605	1176.6726		0.0453
34	10.159	2729407.00	1.03e6	VV	5.0000e5	0.4605	1176.6726		5.4588
35	10.481	4470.22	825.44	VV	4.9999e5	0.4605	1176.6726		0.0089
36	10.654	2995.59	942.18	VB	5.0000e5	0.4605	1176.6726		0.0060
37	10.847	5442.25	1092.57	BV	5.0000e5	0.4605	1176.6726		0.0109
38	11.131	2601466.75	978626.06	VB	5.0000e5	0.4605	1176.6726		5.2029
39	11.575	2826.00	543.39	BB	4.9999e5	0.4605	1176.6726		0.0057
40	11.717	500.04	188.60	BV	4.9999e5	0.4605	1176.6726		0.0010
41	12.027	2347552.00	913297.75	VV	5.0000e5	0.4605	1176.6726		4.6951
42	12.184	27075.36	10416.05	VE	5.0000e5	0.4605	1176.6726		0.0542
43	12.314	1966.00	599.90	EV	4.9999e5	0.4605	1176.6726		0.0039
44	12.443	1296.69	380.22	VB	5.0000e5	0.4605	1176.6726		0.0026
45	12.853	1873486.00	729195.56	BE	5.0000e5	0.4605	1176.6726		3.7470
46	13.245	1345.00	408.25	EB	5.0000e5	0.4605	1176.6726		0.0027
47	13.648	1526820.00	541694.50	BB	5.0000e5	0.4605	1176.6726		3.0536
		25554840.00	9.30e6			21.6411	55303.5898		1425.8091

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.873	4367.00	432.76	VV	1970.0000	0.4605	0.2424	2-FLUOROBIPHENYL	2.2168
3	8.819	896.31	192.95	BV	1970.0000	0.4605	0.2424	o-Terphenyl	0.4550
		5263.31	625.71			0.9209	0.4847		2.6717

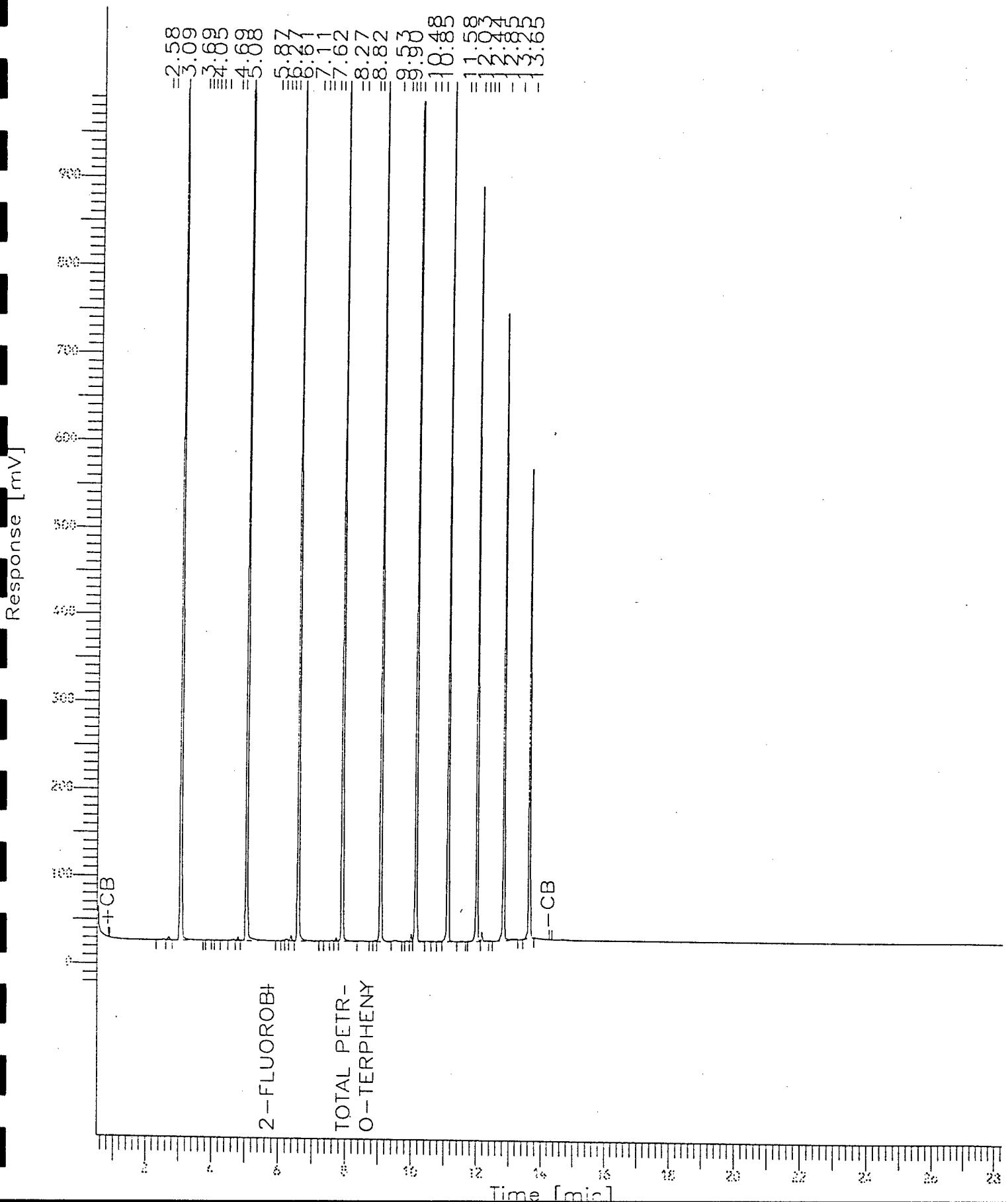
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__754.TXO

Chromatogram

Sample Name : 1000 PPM
FileName : l:\data\tchrom\pest\hp_t\TT__754.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -21 mV

Sample #: Page 1 of 1
Date : 08/21/95 14:59
Time of Injection: 08/21/95 14:30
Low Point : -21.44 mV High Point : 1000.00 mV
Plot Scale: 1021 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 950816SNB1                Time          : 08/20/95  22:23
Sample Number: B  ;S                     Study         : MODSD
Operator     : SEG

Instrument   : HP_T                      Channel : A     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/20/95  21:55
Delay Time      : 0.50   min.
End Time        : 28.25  min.
Sampling Rate   : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\T___417.raw
Result File    : l:\data\tchrom\pest\hp_t\T___417.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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QC

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.630	773205.44	451688.03	BB	5.0000e5	0.9767	837.9822		1.5464
2	0.739	358910.44	142977.08	BB	5.0000e5	0.9767	837.9822		0.7178
3	0.928	123162.44	42986.98	BV	5.0000e5	0.9767	837.9822		0.2463
4	1.029	81014.58	29917.63	VB	4.9999e5	0.9767	837.9822		0.1620
5	1.192	2994829.00	1.01e6	BE	5.0000e5	0.9767	837.9822		5.9897
6	1.318	28607.00	8183.39	EV	5.0000e5	0.9767	837.9822		0.0572
7	1.400	12902.55	5262.56	VB	5.0000e5	0.9767	837.9822		0.0258
8	1.528	565175.00	186629.84	BB	5.0000e5	0.9767	837.9822		1.1304
9	1.798	55266.00	9772.96	BB	5.0000e5	0.9767	837.9822		0.1105
10	2.118	1526145.00	253866.78	BE	5.0000e5	0.9767	837.9822		3.0523
11	2.434	43981.00	6107.24	EV	5.0000e5	0.9767	837.9822		0.0880
12	2.565	262360.34	69012.55	VV	5.0000e5	0.9767	837.9822		0.5247
13	2.687	107255.34	17442.27	VV	5.0000e5	0.9767	837.9822		0.2145
14	2.963	59342.53	9711.09	VV	5.0000e5	0.9767	837.9822		0.1187
15	3.060	11120.51	3303.77	VV	5.0000e5	0.9767	837.9822		0.0222
16	3.243	107106.38	15593.61	VV	5.0000e5	0.9767	837.9822		0.2142
17	3.348	212255.66	55444.74	VV	5.0000e5	0.9767	837.9822		0.4245
18	3.453	60579.16	11119.85	VV	5.0000e5	0.9767	837.9822		0.1212
19	3.635	67998.98	16400.05	VV	5.0000e5	0.9767	837.9822		0.1360
20	3.722	107428.84	17665.39	VV	5.0000e5	0.9767	837.9822		0.2149
21	3.943	28473.48	6060.14	VV	5.0000e5	0.9767	837.9822		0.0570
22	4.068	28230.69	7416.83	VV	5.0000e5	0.9767	837.9822		0.0565
23	4.148	14519.53	3438.02	VV	5.0000e5	0.9767	837.9822		0.0290
24	4.271	30150.25	5297.70	VV	5.0000e5	0.9767	837.9822		0.0603
25	4.462	299818.13	82296.28	VV	5.0000e5	0.9767	837.9822		0.5996
26	4.670	69558.72	16450.90	VV	5.0000e5	0.9767	837.9822		0.1391
27	4.766	21326.89	6436.14	VV	5.0000e5	0.9767	837.9822		0.0427
28	4.872	8520.88	1640.21	VV	5.0000e5	0.9767	837.9822		0.0170
29	5.013	22784.05	6060.70	VV	5.0000e5	0.9767	837.9822		0.0456
30	5.116	29919.18	7336.81	VE	5.0000e5	0.9767	837.9822		0.0598
31	5.298	2115.00	583.82	EV	5.0000e5	0.9767	837.9822		0.0042
32	5.381	6969.13	1927.61	VV	5.0000e5	0.9767	837.9822		0.0139
33	5.524	3497.30	1164.80	VV	5.0000e5	0.9767	837.9822		0.0070
34	5.600	5055.25	1515.54	VV	5.0000e5	0.9767	837.9822		0.0101
35	5.703	3862.86	938.06	VV	5.0000e5	0.9767	837.9822		0.0077
36	5.838	1387.56	377.60	VB	5.0000e5	0.9767	837.9822		0.0028
37	6.024	456.94	147.24	BV	5.0000e5	0.9767	837.9822		0.0009
38	6.121	6631.09	2656.32	VB	5.0000e5	0.9767	837.9822		0.0133
39	6.325	726.50	123.88	BB	5.0000e5	0.9767	837.9822		0.0015
40	6.519	904.94	276.35	BV	5.0000e5	0.9767	837.9822		0.0018
41	6.622	2058.06	649.33	VB	5.0000e5	0.9767	837.9822		0.0041
42	6.824	635.81	123.94	BV	4.9999e5	0.9767	837.9822		0.0013
43	6.972	4248.56	948.16	VV	5.0000e5	0.9767	837.9822		0.0085
44	7.116	12182.72	3574.11	VE	5.0000e5	0.9767	837.9822		0.0244
45	7.214	1718.00	425.82	EV	5.0000e5	0.9767	837.9822		0.0034
46	7.397	5423.13	1254.35	VV	5.0000e5	0.9767	837.9822		0.0109
47	7.535	103640.16	44405.87	VE	5.0000e5	0.9767	837.9822		0.2073
48	7.753	1465.00	340.91	EV	5.0000e5	0.9767	837.9822		0.0029
49	7.859	2114.06	437.41	VV	1778.4999	0.9767	837.9822	2-FLUOROBIPHENYL	1.1887

50	8.172	2983.38	647.83	VV	5.0000e5	0.9767	837.9822		0.0060
51	8.503	8937.56	2109.55	VV	4.9999e5	0.9767	837.9822		0.0179
52	8.946	3640.81	373.55	VV	5.0000e5	0.9767	837.9822		0.0073
53	9.077	1409.97	264.19	VV	5.0000e5	0.9767	837.9822		0.0028
54	9.261	796.59	217.50	VV	5.0000e5	0.9767	837.9822		0.0016
55	9.431	667.22	161.39	VV	5.0000e5	0.9767	837.9822		0.0013
56	9.667	2678.84	346.05	VV	5.0000e5	0.9767	837.9822		0.0054
57	9.822	1872.66	258.25	VV	5.0000e5	0.9767	837.9822		0.0038
58	9.921	1963.00	238.61	VV	1778.5000	0.9767	837.9822	Total Petroleum Hydr	1.1037
59	10.198	966.91	160.73	VB	5.0000e5	0.9767	837.9822		0.0019
60	10.303	190.00	59.82	BB	4.9999e5	0.9767	837.9822		0.0004
61	10.539	2334.41	406.80	BV	5.0000e5	0.9767	837.9822		0.0047
62	10.658	1006.50	202.07	VV	5.0000e5	0.9767	837.9822		0.0020
63	10.737	471.75	186.29	VV	5.0000e5	0.9767	837.9822		0.0009
64	10.822	374.81	102.13	VB	5.0000e5	0.9767	837.9822		0.0008
65	11.104	127319.97	53763.96	BV	5.0000e5	0.9767	837.9822		0.2546
66	11.202	6785.55	2925.15	VB	5.0000e5	0.9767	837.9822		0.0136
67	11.408	27931.47	7048.79	BE	1883.5000	0.9767	837.9822	o-Terphenyl	14.8296
68	11.665	1699.00	436.68	EV	5.0000e5	0.9767	837.9822		0.0034
69	11.797	1254.58	366.45	VB	5.0000e5	0.9767	837.9822		0.0025
70	12.056	2298.53	548.41	BV	4.9999e5	0.9767	837.9822		0.0046
71	12.167	4475.19	1240.55	VV	5.0000e5	0.9767	837.9822		0.0090
72	12.362	3635.91	786.42	VV	5.0000e5	0.9767	837.9822		0.0073
73	12.509	4675.66	819.36	VV	5.0000e5	0.9767	837.9822		0.0094
74	12.663	3137.38	449.41	VV	5.0000e5	0.9767	837.9822		0.0063
75	12.948	8462.56	2218.19	VV	5.0000e5	0.9767	837.9822		0.0169
76	13.147	10278.91	1717.21	VV	4.9999e5	0.9767	837.9822		0.0206
77	13.483	44950.50	8123.25	VV	5.0000e5	0.9767	837.9822		0.0899
78	13.653	13570.56	1762.23	VV	4.9999e5	0.9767	837.9822		0.0271
79	13.938	9171.31	865.62	VV	5.0000e5	0.9767	837.9822		0.0183
80	14.183	3187.47	326.28	VB	5.0000e5	0.9767	837.9822		0.0064
		8580169.00	2.66e6			78.1320	67038.5156		34.2183

roup Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.859	2114.06	437.41	BV	1778.4999	0.9767	2.9344	2-FLUOROBIPHENYL	1.1887
3	11.408	27931.47	7048.79	BE	1883.5000	0.9767	2.9344	o-Terphenyl	14.8296
		30045.53	7486.20			1.9533	5.8688		16.0182

END

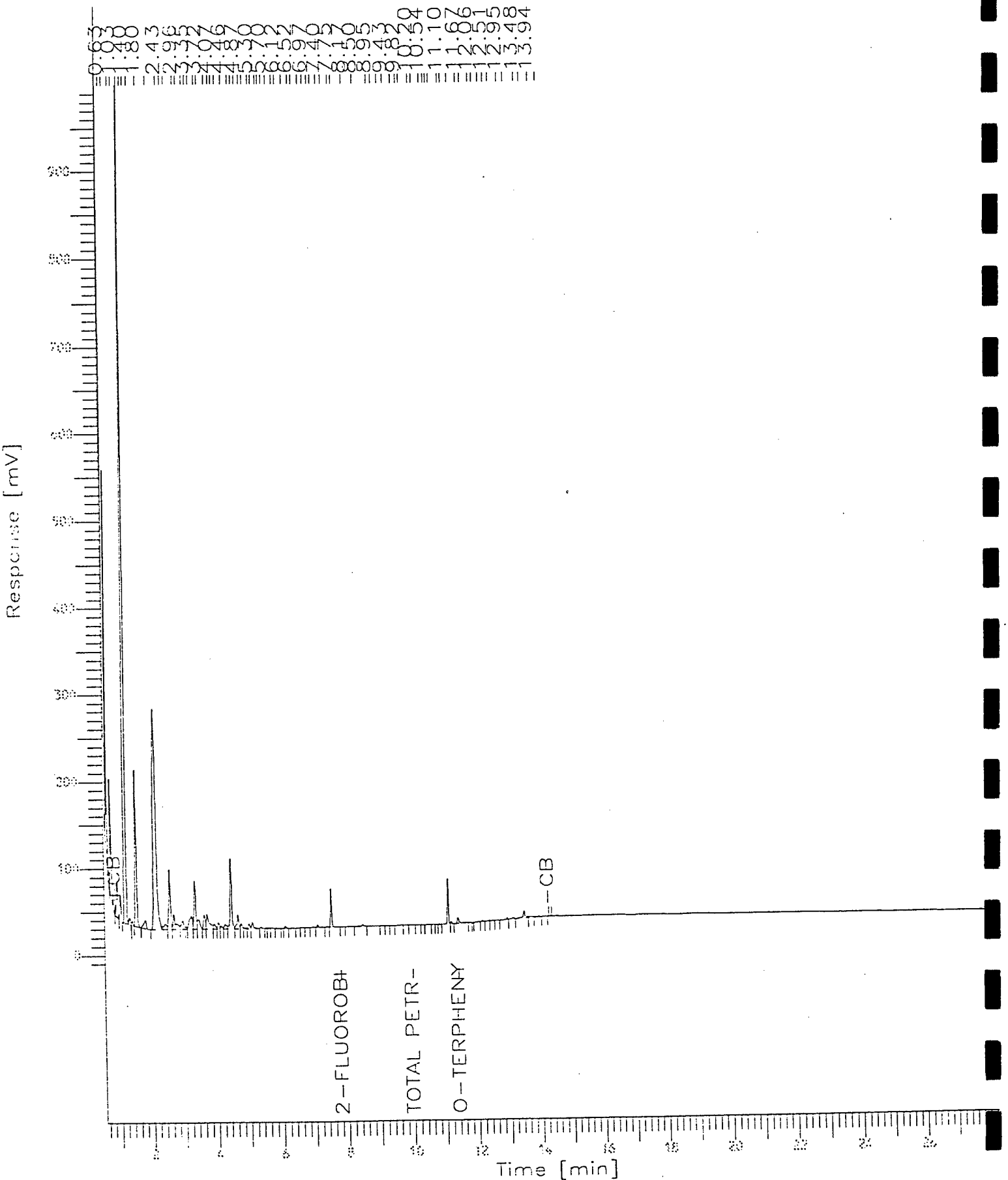
Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___417.TXO

175.97 (0.3968) (2.0/20)

Chromatogram

Sample Name : 950816SNB1
FileName : l:\data\tchrom\pest\hp_t\T___417.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -19 mV

Sample #: B ;S
Date : 08/20/95 22:23
Time of Injection: 08/20/95 21:55
Low Point : -18.57 mV High Point : 1000.00 mV
Plot Scale: 1019 mV



Software Version: 3.2 <16C20>
Sample Name : 950816SNLCS Time : 08/21/95 05:56
Sample Number: TL ;S Study : MODSD
Operator : SEG

Instrument : HP_T Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/21/95 05:28
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\T___430.raw
Result File : l:\data\tchrom\pest\hp_t\T___430.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	0.632	863100.50	509676.94	BB	4.9999e5	0.9767	6066.5689		1.7262
2	0.740	307001.03	108523.06	BB	5.0000e5	0.9767	6066.5689		0.6140
3	0.931	80688.38	29598.00	BV	5.0000e5	0.9767	6066.5689		0.1614
4	1.031	47641.63	17910.55	VB	5.0000e5	0.9767	6066.5689		0.0953
5	1.191	2292475.00	898539.88	BE	5.0000e5	0.9767	6066.5689		4.5850
6	1.310	76043.00	12363.29	EB	5.0000e5	0.9767	6066.5689		0.1521
7	1.529	1174148.50	379470.44	BE	4.9999e5	0.9767	6066.5689		2.3483
8	1.724	26708.00	6512.80	EV	5.0000e5	0.9767	6066.5689		0.0534
9	1.795	30782.02	7261.30	VB	5.0000e5	0.9767	6066.5689		0.0616
10	1.925	11005.88	2728.60	BV	5.0000e5	0.9767	6066.5689		0.0220
11	2.122	1124713.75	163430.95	VE	5.0000e5	0.9767	6066.5689		2.2494
12	2.446	48408.00	8735.66	EV	4.9999e5	0.9767	6066.5689		0.0968
13	2.566	170050.75	45931.51	VV	5.0000e5	0.9767	6066.5689		0.3401
14	2.691	42754.41	10918.39	VV	4.9999e5	0.9767	6066.5689		0.0855
15	2.839	249966.38	50650.73	VV	5.0000e5	0.9767	6066.5689		0.4999
16	2.966	60872.63	13064.05	VV	5.0000e5	0.9767	6066.5689		0.1218
17	3.043	82833.44	17229.12	VV	5.0000e5	0.9767	6066.5689		0.1657
18	3.247	170855.91	23135.77	VV	5.0000e5	0.9767	6066.5689		0.3417
19	3.350	254620.47	61908.75	VV	5.0000e5	0.9767	6066.5689		0.5092
20	3.525	217802.69	30149.61	VV	5.0000e5	0.9767	6066.5689		0.4356
21	3.638	131525.06	31888.84	VV	4.9999e5	0.9767	6066.5689		0.2631
22	3.722	123160.50	33742.47	VV	5.0000e5	0.9767	6066.5689		0.2463
23	3.861	91630.78	17392.19	VV	5.0000e5	0.9767	6066.5689		0.1833
24	3.972	625787.75	141244.42	VE	5.0000e5	0.9767	6066.5689		1.2516
25	4.158	156492.00	25286.75	EV	5.0000e5	0.9767	6066.5689		0.3130
26	4.307	248247.88	32358.98	VV	5.0000e5	0.9767	6066.5689		0.4965
27	4.469	391358.63	79087.75	VV	5.0000e5	0.9767	6066.5689		0.7827
28	4.603	440108.88	49178.97	VV	5.0000e5	0.9767	6066.5689		0.8802
29	4.782	217167.06	37958.43	VV	5.0000e5	0.9767	6066.5689		0.4343
30	4.923	1042389.88	200225.69	VE	5.0000e5	0.9767	6066.5689		2.0848
31	5.122	205018.00	36971.41	EV	5.0000e5	0.9767	6066.5689		0.4100
32	5.235	214261.06	42213.41	VV	4.9999e5	0.9767	6066.5689		0.4285
33	5.432	698843.56	93738.62	VV	5.0000e5	0.9767	6066.5689		1.3977
34	5.511	384815.47	96148.67	VV	5.0000e5	0.9767	6066.5689		0.7696
35	5.593	129575.00	33735.73	VV	5.0000e5	0.9767	6066.5689		0.2592
36	5.759	1226563.50	293443.44	VV	5.0000e5	0.9767	6066.5689		2.4531
37	5.865	426679.44	95948.59	VV	5.0000e5	0.9767	6066.5689		0.8534
38	5.977	210753.00	46741.36	VV	5.0000e5	0.9767	6066.5689		0.4215
39	6.070	366290.09	96476.36	VV	5.0000e5	0.9767	6066.5689		0.7326
40	6.130	353980.00	99655.65	VV	5.0000e5	0.9767	6066.5689		0.7080
41	6.213	434243.91	105122.31	VV	5.0000e5	0.9767	6066.5689		0.8685
42	6.284	716202.13	115932.34	VV	5.0000e5	0.9767	6066.5689		1.4324
43	6.519	1598314.75	432452.44	VV	5.0000e5	0.9767	6066.5689		3.1966
44	6.605	590831.00	107348.69	VV	5.0000e5	0.9767	6066.5689		1.1817
45	6.716	187761.13	65143.67	VV	5.0000e5	0.9767	6066.5689		0.3755
46	6.840	1455633.13	208029.14	VV	5.0000e5	0.9767	6066.5689		2.9113
47	6.952	1093880.63	252174.27	VV	5.0000e5	0.9767	6066.5689		2.1878
48	7.102	562649.25	129321.27	VV	5.0000e5	0.9767	6066.5689		1.1253
49	7.218	2337023.50	436425.66	VV	5.0000e5	0.9767	6066.5689		4.6741

50	7.440	567497.75	103687.40	VV	5.0000e5	0.9767	6066.5689		1.1350
51	7.522	1031234.25	220078.02	VV	5.0000e5	0.9767	6066.5689		2.0625
52	7.599	544159.50	155108.42	VV	5.0000e5	0.9767	6066.5689		1.0883
53	7.674	1785390.88	210299.41	VV	5.0000e5	0.9767	6066.5689		3.5708
54	7.877	2205153.00	566503.19	VV	1778.5000	0.9767	6066.5689	2-FLUOROBIPHENYL	1239.8949
55	8.030	744944.50	146654.25	VV	5.0000e5	0.9767	6066.5689		1.4899
56	8.101	1406750.13	249459.84	VV	5.0000e5	0.9767	6066.5689		2.8135
57	8.221	703838.94	163259.64	VV	5.0000e5	0.9767	6066.5689		1.4077
58	8.299	389372.19	135204.30	VV	4.9999e5	0.9767	6066.5689		0.7787
59	8.419	1751796.13	319956.69	VV	5.0000e5	0.9767	6066.5689		3.5036
60	8.492	1513468.75	457698.84	VV	5.0000e5	0.9767	6066.5689		3.0269
61	8.561	664227.88	202075.34	VV	4.9999e5	0.9767	6066.5689		1.3285
62	8.632	409152.25	139406.41	VV	5.0000e5	0.9767	6066.5689		0.8183
63	8.725	1331032.63	216636.52	VV	5.0000e5	0.9767	6066.5689		2.6621
64	8.844	1467408.38	165700.89	VV	5.0000e5	0.9767	6066.5689		2.9348
65	9.077	2680224.75	478592.88	VV	5.0000e5	0.9767	6066.5689		5.3605
66	9.219	1114953.00	153061.58	VV	4.9999e5	0.9767	6066.5689		2.2299
67	9.348	1626543.00	168817.02	VV	5.0000e5	0.9767	6066.5689		3.2531
68	9.486	834990.06	154622.27	VV	5.0000e5	0.9767	6066.5689		1.6700
69	9.634	1765627.25	393442.16	VV	5.0000e5	0.9767	6066.5689		3.5313
70	9.831	1419640.75	134787.52	VV	5.0000e5	0.9767	6066.5689		2.8393
71	9.961	1150809.25	168847.70	VV	1778.5000	0.9767	6066.5689	Total Petroleum Hydr	647.0673
72	10.078	589679.75	122634.55	VV	4.9999e5	0.9767	6066.5689		1.1794
73	10.165	1609807.75	317332.31	VV	5.0000e5	0.9767	6066.5689		3.2196
74	10.340	573593.25	104743.31	VV	5.0000e5	0.9767	6066.5689		1.1472
75	10.453	538900.06	121811.28	VV	5.0000e5	0.9767	6066.5689		1.0778
76	10.529	544511.13	115050.12	VV	5.0000e5	0.9767	6066.5689		1.0890
77	10.670	1616710.25	221718.22	VV	4.9999e5	0.9767	6066.5689		3.2334
78	10.838	467821.47	84884.56	VV	5.0000e5	0.9767	6066.5689		0.9356
79	10.955	471944.91	89884.92	VV	5.0000e5	0.9767	6066.5689		0.9439
80	11.156	1504100.00	162308.03	VV	5.0000e5	0.9767	6066.5689		3.0082
81	11.416	1043081.00	68780.80	VV	1883.5000	0.9767	6066.5689	o-Terphenyl	553.7993
82	11.619	437012.63	83070.13	VV	5.0000e5	0.9767	6066.5689		0.8740
83	11.752	271560.72	46126.15	VV	4.9999e5	0.9767	6066.5689		0.5431
84	11.887	268363.47	47519.44	VV	5.0000e5	0.9767	6066.5689		0.5367
85	11.984	156504.28	35492.01	VV	4.9999e5	0.9767	6066.5689		0.3130
86	12.066	153975.41	41185.68	VV	4.9999e5	0.9767	6066.5689		0.3080
87	12.165	126051.06	22687.62	VV	4.9999e5	0.9767	6066.5689		0.2521
88	12.256	134619.44	20518.57	VV	4.9999e5	0.9767	6066.5689		0.2692
89	12.393	115957.19	19163.90	VV	5.0000e5	0.9767	6066.5689		0.2319
90	12.496	114202.13	18051.44	VV	5.0000e5	0.9767	6066.5689		0.2284
91	12.620	68835.03	12192.37	VV	4.9999e5	0.9767	6066.5689		0.1377
92	12.734	59259.25	8952.72	VV	5.0000e5	0.9767	6066.5689		0.1185
93	12.905	78917.25	7787.96	VV	5.0000e5	0.9767	6066.5689		0.1578
94	13.135	34548.13	4583.95	VV	4.9999e5	0.9767	6066.5689		0.0691
95	13.304	18129.06	4807.39	VV	5.0000e5	0.9767	6066.5689		0.0363
96	13.486	11863.06	2147.88	VB	5.0000e5	0.9767	6066.5689		0.0237
97	13.664	1621.00	568.46	BB	5.0000e5	0.9767	6066.5689		0.0032
98	14.184	2659.00	953.60	BB	5.0000e5	0.9767	6066.5689		0.0053
		62116100.00	1.27e7			95.7116	5.9452e5		2556.1953

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	7.877	2205153.00	566503.19	BV	1778.5000	0.9767	317.2388	2-FLUOROBIPHENYL	1239.8949
3	11.416	1043081.00	68780.80	BV	1883.5000	0.9767	317.2388	o-Terphenyl	553.7993
		3248234.00	635284.00			1.9533	634.4775		1793.6942

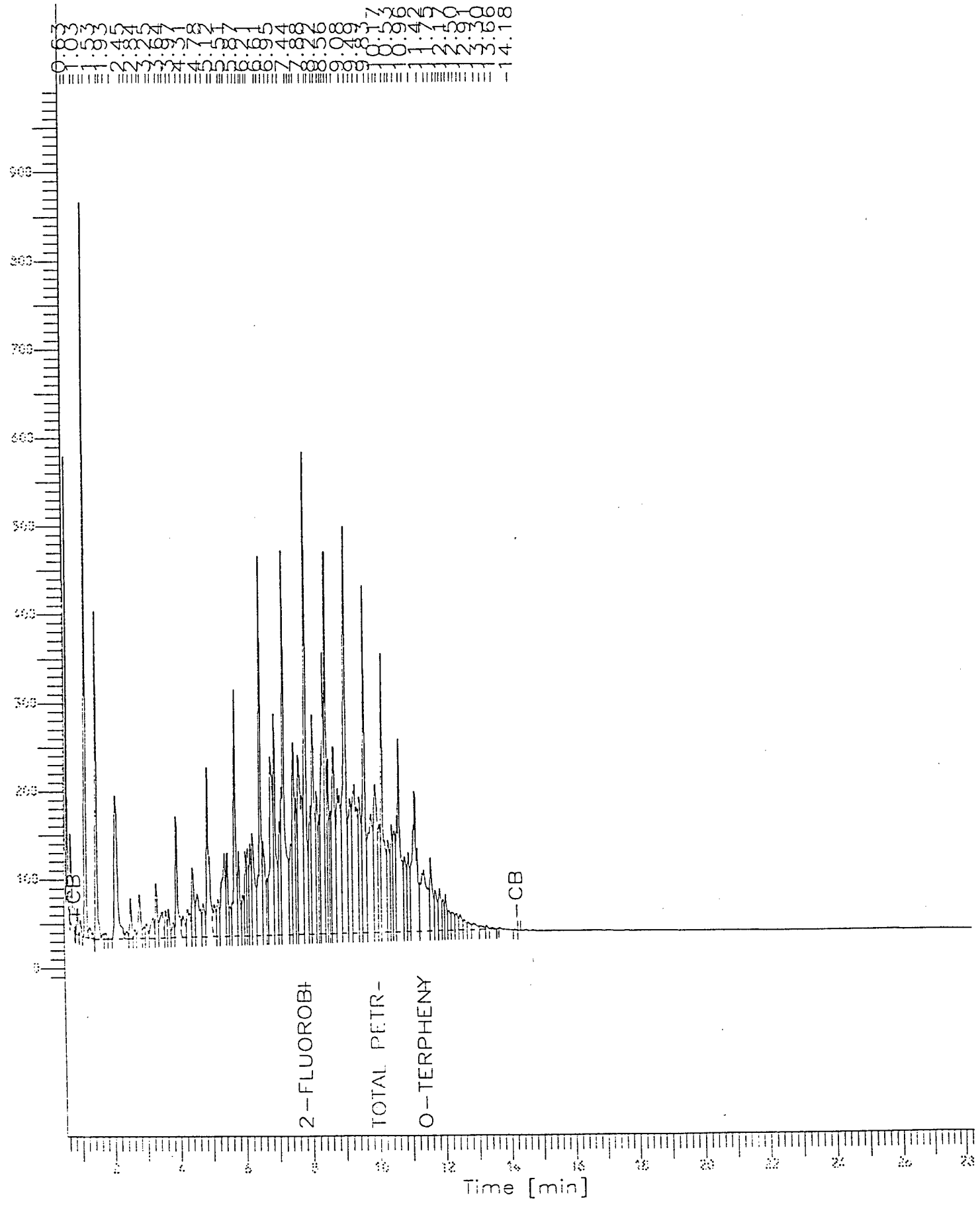
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\T___430.TXO

Chromatogram

Sample Name : 950816SNLCS
FileName : l:\data\tchrom\pest\hp_t\T___430.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -15 mV

Sample #: TL ;S
Date : 08/21/95 05:56
Time of Injection: 08/21/95 05:28
Low Point : -15.34 mV High Point : 1000.00 mV
Plot Scale: 1015 mV



ICP Spectroscopy Method 6010 Quality Control Report

Matrix: Water Units: mg/L Analyst: DQ

Date:081595 Time:0925 File Name: 81595DQ3 Checked: 8/16/95

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Laboratory Control Sample

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver	ND	2.00	1.963	98	1.60	2.40
Aluminum	ND	2.00	2.080	104	1.60	2.40
Arsenic						
Barium	ND	2.00	1.964	98	1.60	2.40
Beryllium	ND	2.00	1.977	99	1.60	2.40
Calcium						
Cadmium	ND	2.00	1.939	97	1.60	2.40
Cobalt						
Chromium	ND	2.00	1.983	99	1.60	2.40
Copper	ND	2.00	1.973	99	1.60	2.40
Iron						
Potassium						
Magnesium						
Manganese						
Sodium						
Nickel	ND	2.00	1.941	97	1.60	2.40
Lead	ND	2.00	1.908	95	1.60	2.40
Antimony	ND	4.00	3.910	98	3.20	4.80
Selenium						
Thallium						
Vanadium						
Zinc	ND	2.00	1.918	96	1.60	2.40

Work Orders in Batch

Work Order	Fractions
95-08-361	05E-08E
95-08-362	09E-11E
95-08-461	05C
95-08-488	01C, 02C

Matrix Spike - Spike Duplicate Results

Work Order Spiked: 95-08-461 05C

Element	Sample Result	Spike Added	Matrix Spike Result	Matrix Spike Recovery	Matrix Spike Duplicate Result	Matrix Spike Duplicate Recovery	QC Limits % Recovery		Spike RPD %	QC Limits %
Silver	ND	1.0	0.9812	98	0.9567	96	80	120	2.5	20.0
Aluminum	ND	1.0	1.077	108	1.06	106	80	120	1.6	20.0
Arsenic										
Barium	0.0143	1.0	0.9968	98	0.9796	97	80	120	1.8	20.0
Beryllium	ND	1.0	0.9962	100	1.000	100	80	120	0.4	20.0
Calcium										
Cadmium	ND	1.0	0.9634	96	0.9409	94	80	120	2.4	20.0
Cobalt										
Chromium	ND	1.0	0.9845	98	1.166	117	80	120	16.9	20.0
Copper	0.1241	1.0	1.11	99	1.098	97	80	120	1.2	20.0
Iron										
Potassium										
Magnesium										
Manganese										
Sodium										
Nickel	ND	1.0	0.9709	97	1.055	106	80	120	8.3	20.0
Lead	0.0595	1.0	1.006	95	0.9913	93	80	120	1.6	20.0
Antimony	ND	2.0	1.968	98	1.914	96	80	120	2.8	20.0
Selenium										
Thallium										
Vanadium										
Zinc	0.0644	1.0	1.048	98	0.9937	93	80	120	5.7	20.0

for Idelis Williams, QC Officer 8/16/95

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9508461 RD

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1315-193	Minneapolis ANG-13 SI	Minneapolis

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
4-5' B01-003BH	8-10-95 0850	✓		1 Brass Sleeve	Soil	None	BTEX (SW8020), TPH-DRO (WDNR)	
9-10' B01-003BH	8-10-95 0855	✓		1 Brass Sleeve	↓	↓	↓	
9-10' MS/MSD B01-003BH	8-10-95 0855	✓		2 Brass Sleeves	↓	↓	↓	MATRIX SPIKE/MSD
1315193-Decon	8-10-95 0938	✓		1L Amber	Aqueous	None	TPH-DRO (WDNR mod.)	
1315193-Decon	8-10-95 0938	✓		3 40ml VOA	↓	HCL	VOCs (SW8240)	
1315193-Decon	8-10-95 0938	✓		↓	↓	HCL	TPH-GRO (WDNR mod.)	
1315193-Decon	8-10-95 0938	✓		1L Plastic	↓	HNO_3	Total Lead (SW6010)	
Trip Blank	8-5-95	✓		2 40ml VOA	↓	HCl	VOCs (SW8240)	

Samplers: (Signature)	Relinquished by: (Signature)	Date: 8-10-95 Time: 1500	Received by: (Signature)	Date: 8-10-95 Time: 1501	Intact
Iris Arredondo	Relinquished by: (Signature)	Date: 8/10/95 Time: 1525	Received by: (Signature)	Date: 8-10-95 Time: 1525	Intact
Affiliation: OPTECH	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 3.C
SAMPLER REMARKS:			Received for laboratory: (Signature)	Date: 8/11/95 Time: 1027	Laboratory No.
Seal #			Data Results to: Russ Cason-OPTech (210) 731-0000		

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 8/11/95 TIME: 10:00 CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 9508461

		YES	NO
1.	Is a Chain-of-Custody form present?	✓	
2.	Is the COC properly completed?	✓	
	If no, describe what is incomplete:		
	If no, has the client been contacted about it?		
	(Attach subsequent documentation from client about the situation)		
3.	Is airbill/packing list/bill of lading with shipment?	✓	
	If yes, ID#: FedEx		
4.	Is a USEPA Traffic Report present?		✓
5.	Is a USEPA SAS Packing List present?		✓
6.	Are custody seals present on the package?	✓	
	If yes, were they intact upon receipt?	✓	
7.	Are all samples tagged or labeled?	✓	
	Do the sample tags/labels match the COC?	✓	
	If no, has the client been contacted about it?	✓	
	(Attach subsequent documentation from client about the situation)		
8.	Do all shipping documents agree?	✓	
	If no, describe what is in nonconformity:		

9. Condition/temperature of shipping container: intact 3°C
10. Condition/temperature of sample bottles: ✓ Good
11. Sample Disposal?: SPL disposal ✓ Return to client ____

NOTES (reference item number if applicable): _____

ATTEST: Ee. Brown DATE: 8/11/95
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95 - 08 - 655

Approved for release by:

M. Scott Sample

M. Scott Sample, Laboratory Director Date: 9/7/95

Karen Satterfield

Karen Satterfield, Project Manager Date: 9/7/95

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-01

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:00:0
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/29/95 01:30:00	0.19	0.1	mg/
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-01

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:00:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-01

Operational Tech

SAMPLE ID: 801-001MW

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	102	76	114
Toluene-d8	50 ug/L	104	88	110
4-Bromofluorobenzene	50 ug/L	100	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 15:31:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s09.d
Lab Smp Id: 9508655-01A Client Smp ID: 801-001MW
Inj Date : 18-AUG-1995 15:31
Operator : JC Inst ID: l.i
Smp Info : 9508655-01A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 15
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	23 Bromochloromethane	128.00	5.180	5.189	(1.000)	61314	250	
*	32 1,4-Difluorobenzene	114.00	6.892	6.901	(1.000)	294507	250	
*	50 Chlorobenzene-d5	117.00	11.063	11.064	(1.000)	221210	250	
$	26 1,2-Dichloroethane-d4	102.00	5.956	5.965	(1.150)	23166	250	51
$	43 Toluene-d8	98.00	9.120	9.120	(0.824)	306829	260	52
$	61 Bromofluorobenzene	95.00	12.739	12.740	(1.151)	104633	250	50

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s09.d
Lab Smp Id: 9508655-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912
Client Smp ID: 801-001MW
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	61314	-13.17
32 1,4-Difluorobenzene	343192	171596	686384	294507	-14.19
50 Chlorobenzene-d5	272188	136094	544376	221210	-18.73

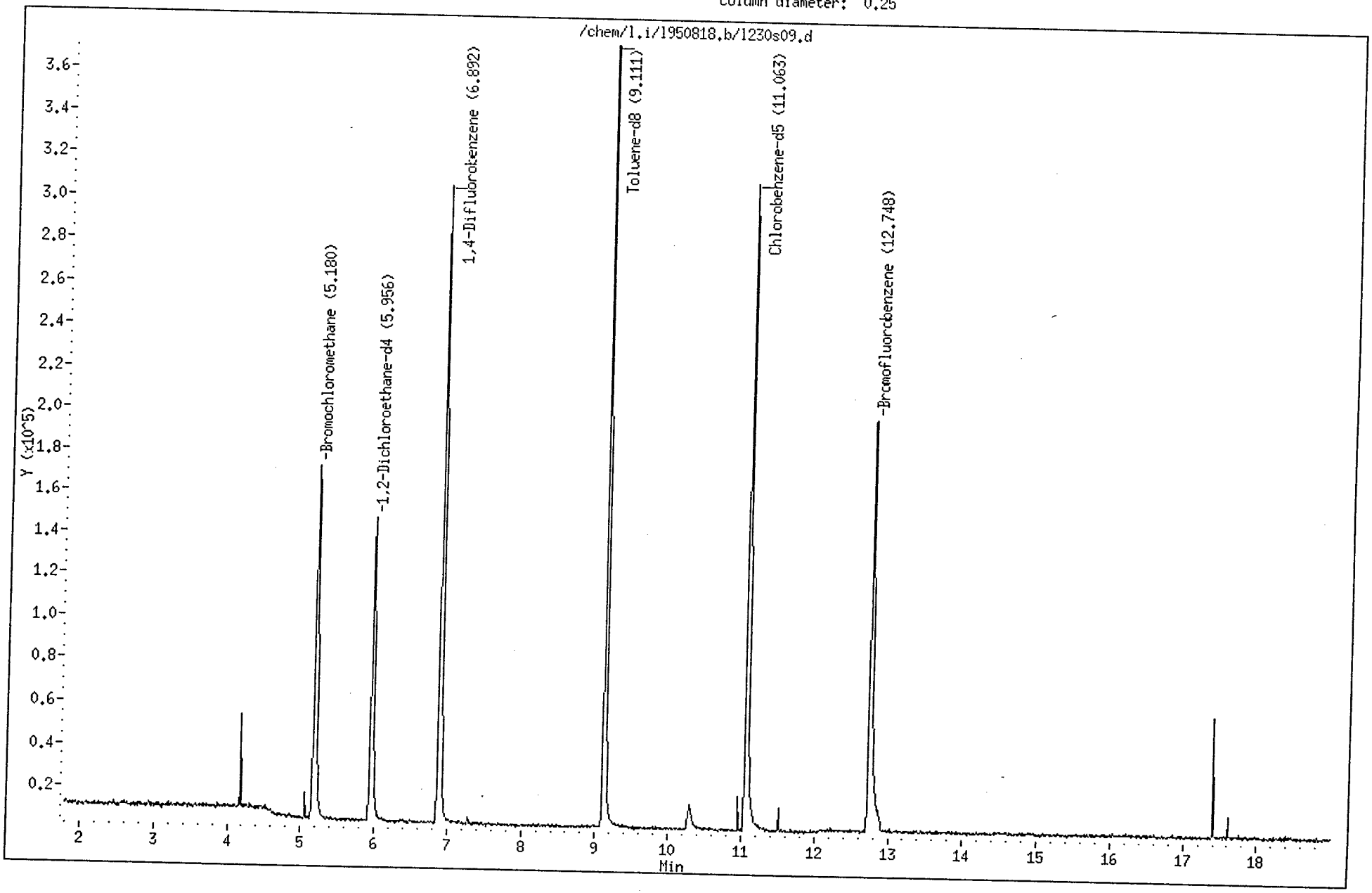
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.18
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.14
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950818.b/1230s09.d
Date : 18-AUG-1995 15:31
Client ID: 801-001MW
Sample Info: 9508655-01A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



```
Software Version: 3.2 <16C20>
Sample Name  : 9508655-01B              Time         : 08/29/95  01:59
Sample Number: SC ;W                    Study        : DROW
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/29/95  01:30
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__018.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__018.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

236.45-25.08-10.70
(0.4829)(2.0/1000)

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.605	1645.81	625.83	BV	5.0000e5	0.4539	107.3277		0.0033
2	2.847	1802.19	483.54	VB	5.0000e5	0.4539	107.3277		0.0036
3	2.999	1870.00	386.43	BB	5.0000e5	0.4539	107.3277		0.0037
4	3.382	3275.91	764.37	BV	5.0000e5	0.4539	107.3277		0.0066
5	3.493	4830.09	1047.82	VB	5.0000e5	0.4539	107.3277		0.0097
6	3.713	2966.56	791.12	BV	5.0000e5	0.4539	107.3277		0.0059
7	3.833	32309.75	2064.38	VV	5.0000e5	0.4539	107.3277		0.0646
8	4.277	10722.94	747.06	VV	5.0000e5	0.4539	107.3277		0.0215
9	4.634	9603.97	1494.62	VE	5.0000e5	0.4539	107.3277		0.0192
10	4.985	892.00	221.76	EV	5.0000e5	0.4539	107.3277		0.0018
11	5.065	2480.94	202.37	VB	5.0000e5	0.4539	107.3277		0.0050
12	5.405	617.00	152.10	BB	5.0000e5	0.4539	107.3277		0.0012
13	5.551	1842617.00	277576.63	BE	1970.0000	0.4539	107.3277	2-FLUOROBIPHENYL	935.3386
14	6.456	250814.00	10287.63	EV	5.0000e5	0.4539	107.3277		0.5016
15	7.724	10344.66	980.47	VV	5.0000e5	0.4539	107.3277		0.0207
16	7.980	16634.00	1230.82	VV	1970.0000	0.4539	107.3277	Total Petroleum Hydr	8.4437
17	8.311	28319.75	984.37	VV	5.0000e5	0.4539	107.3277		0.0566
18	8.911	11699.88	1011.74	VB	1970.0000	0.4539	107.3277	o-Terphenyl	5.9390
19	9.570	320.00	69.02	BB	5.0000e5	0.4539	107.3277		0.0006
20	9.721	107050.31	29896.57	BE	5.0000e5	0.4539	107.3277		0.2141
21	10.081	2429.00	264.30	EV	4.9999e5	0.4539	107.3277		0.0049
22	10.603	157.69	96.09	VB	5.0000e5	0.4539	107.3277		0.0003
23	11.708	10168.63	1089.63	BV	5.0000e5	0.4539	107.3277		0.0203
24	12.074	3090.19	218.23	VV	5.0000e5	0.4539	107.3277		0.0062
25	12.230	1465.63	315.87	VB	5.0000e5	0.4539	107.3277		0.0029
26	12.493	1026.00	192.70	BB	5.0000e5	0.4539	107.3277		0.0021
27	12.731	4726.00	1690.50	BB	5.0000e5	0.4539	107.3277		0.0095
28	12.899	947.50	309.91	BB	5.0000e5	0.4539	107.3277		0.0019
		2364827.50	335195.88			12.7078	3005.1758		950.7091

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.551	1842617.00	277576.63	BE	1970.0000	0.4539	84.1582	2-FLUOROBIPHENYL	935.3386
3	8.911	11699.88	1011.74	BB	1970.0000	0.4539	84.1582	o-Terphenyl	5.9390
		1854316.88	278588.38			0.9077	168.3164		941.2776

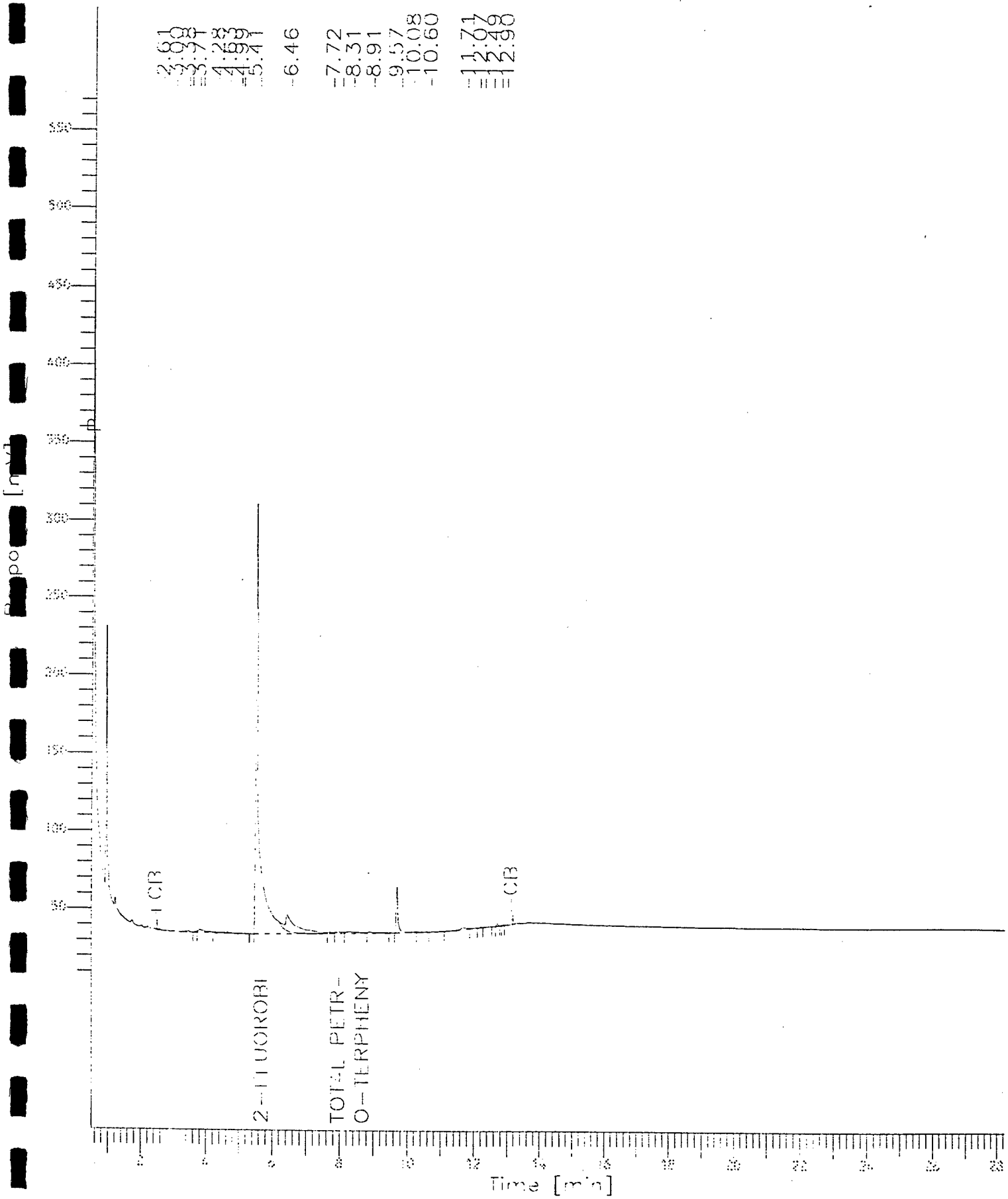
```
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__018.TXO
```

Chromatogram

Sample Name : 9508655-018
FileName : l:\data\tchrom\pest\hp_t\TT__018.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 7 mV

Sample #: SC ;W
Date : 08/29/95 01:59
Time of Injection: 08/29/95 01:30
Low Point : 7.21 mV High Point : 577.73 mV
Plot Scale: 571 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-02

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW-MS

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:15:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/28/95 19:41:00	9.75	0.1	mg/L
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-02

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW-MS

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:15:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	50	5	ug/L
Bromodichloromethane	50	5	ug/L
Bromoform	46	5	ug/L
Bromomethane	53	10	ug/L
2-Butanone	32	20	ug/L
Carbon Disulfide	51	5	ug/L
Carbon Tetrachloride	50	5	ug/L
Chlorobenzene	52	5	ug/L
Chloroethane	42	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	52	5	ug/L
Chloromethane	50	10	ug/L
Dibromochloromethane	49	5	ug/L
1,1-Dichloroethane	53	5	ug/L
1,1-Dichloroethene	54	5	ug/L
1,2-Dichloroethane	54	5	ug/L
total-1,2-Dichloroethene	100	5	ug/L
1,2-Dichloropropane	51	5	ug/L
cis-1,3-Dichloropropene	50	5	ug/L
trans-1,3-Dichloropropene	49	5	ug/L
Ethylbenzene	50	5	ug/L
2-Hexanone	22	10	ug/L
Methylene Chloride	43	5	ug/L
4-Methyl-2-Pentanone	35	10	ug/L
Styrene	47	5	ug/L
1,1,2,2-Tetrachloroethane	50	5	ug/L
Tetrachloroethene	51	5	ug/L
Toluene	51	5	ug/L
1,1,1-Trichloroethane	51	5	ug/L
1,1,2-Trichloroethane	50	5	ug/L
Trichloroethene	52	5	ug/L
Trichlorofluoromethane	48	5	ug/L
Vinyl Acetate	51	10	ug/L
Vinyl Chloride	52	10	ug/L
Xylenes (total)	150	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-02

Operational Tech

SAMPLE ID: 801-001MW-MS

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	108	76	114
Toluene-d8	50 ug/L	98	88	110
4-Bromofluorobenzene	50 ug/L	94	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 12:00:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

Data File: /chem/l.i/l950818.b/l230s02.d
Report Date: 22-Aug-1995 13:23

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s02.d
Lab Smp Id: 9508655-02A MS Client Smp ID: 801-001MW-MS
Inj Date : 18-AUG-1995 12:00
Operator : JC Inst ID: l.i
Smp Info : 9508655-02A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 8
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
1 Chloromethane	50.00	1.758	1.767	(0.339)	164846	250	50
2 Vinyl Chloride	62.00	1.865	1.865	(0.359)	145846	260	52
3 Bromomethane	94.00	2.097	2.096	(0.404)	92580	270	53
4 Chloroethane	64.00	2.177	2.194	(0.420)	67208	210	42
7 Trichlorofluoromethane	101.00	2.516	2.595	(0.485)	116285	240	48 (M)
8 Acetone	58.00	2.587	2.587	(0.499)	11801	150	30 (M)
11 1,1-Dichloroethene	96.00	2.971	3.059	(0.572)	87248	270	54 (M)
13 Methylene Chloride	84.00	3.211	3.219	(0.619)	86512	220	43
18 1,2-Dichloroethene (total)	96.00				198673	520	100
14 Carbon Disulfide	76.00	3.336	3.380	(0.643)	353465	260	51
15 trans-1,2-Dichloroethene	96.00	3.791	3.799	(0.730)	82235	260	53
17 1,1-Dichloroethane	63.00	4.130	4.129	(0.796)	198231	270	53
19 Vinyl Acetate	43.00	4.228	4.227	(0.815)	280662	260	51
20 2-Butanone	43.00	4.593	4.592	(0.885)	86215	160	32
21 cis-1,2-Dichloroethene	96.00	4.932	4.931	(0.950)	116438	260	52
24 Chloroform	83.00	5.208	5.207	(1.003)	203073	260	52
27 1,1,1-Trichloroethane	97.00	5.993	5.992	(0.868)	139141	250	51
28 1,2-Dichloroethane	62.00	6.073	6.081	(1.170)	184582	270	54
30 Benzene	78.00	6.438	6.437	(0.933)	454234	250	50
31 Carbon Tetrachloride	117.00	6.465	6.464	(0.937)	118792	250	50
34 1,2-Dichloropropane	63.00	7.419	7.427	(1.075)	130517	260	51
35 Trichloroethene	130.00	7.454	7.454	(1.080)	109964	260	52
37 Bromodichloromethane	83.00	7.642	7.650	(1.107)	141712	250	50
40 4-Methyl-2-Pentanone	43.00	8.480	8.479	(1.229)	149990	180	35
41 cis-1,3-Dichloropropene	75.00	8.506	8.505	(1.232)	173616	250	50
42 trans-1,3-Dichloropropene	75.00	9.130	9.138	(1.323)	146662	240	49
44 Toluene	92.00	9.219	9.219	(0.833)	238544	250	51
45 1,1,2-Trichloroethane	83.00	9.300	9.299	(1.347)	88797	250	50
46 2-Hexanone	43.00	9.683	9.682	(0.875)	83235	110	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	47 Dibromochloromethane	129.00	9.924	9.932	(1.438)	103839	250	49
	49 Tetrachloroethene	164.00	10.271	10.270	(0.928)	90379	260	51
	52 Chlorobenzene	112.00	11.109	11.117	(1.004)	254365	260	52
M	53 Xylene (Total)	106.00				443116	750	150
	54 Ethylbenzene	106.00	11.412	11.420	(1.031)	119721	250	50
	55 m,p-Xylene(s)	106.00	11.582	11.581	(1.047)	298501	500	100
	56 Bromoform	173.00	12.001	12.000	(1.085)	75876	230	46
	57 Styrene	104.00	12.045	12.044	(1.089)	223697	240	47
	59 o-Xylene	106.00	12.108	12.107	(1.094)	144615	240	49
	60 1,1,2,2-Tetrachloroethane	83.00	12.455	12.454	(1.126)	140138	250	50
*	23 Bromochloromethane	128.00	5.190	5.189	(1.000)	63105	250	
*	32 1,4-Difluorobenzene	114.00	6.902	6.901	(1.000)	316780	250	
*	50 Chlorobenzene-d5	117.00	11.065	11.064	(1.000)	253870	250	
$	26 1,2-Dichloroethane-d4	102.00	5.957	5.965	(1.148)	25365	270	54
$	43 Toluene-d8	98.00	9.121	9.120	(0.824)	333986	250	49
$	61 Bromofluorobenzene	95.00	12.740	12.740	(1.151)	113780	240	47

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s02.d
Lab Smp Id: 9508655-02A MS
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912
Client Smp ID: 801-001MW-MS
Level: LOW
Sample Type: WATER

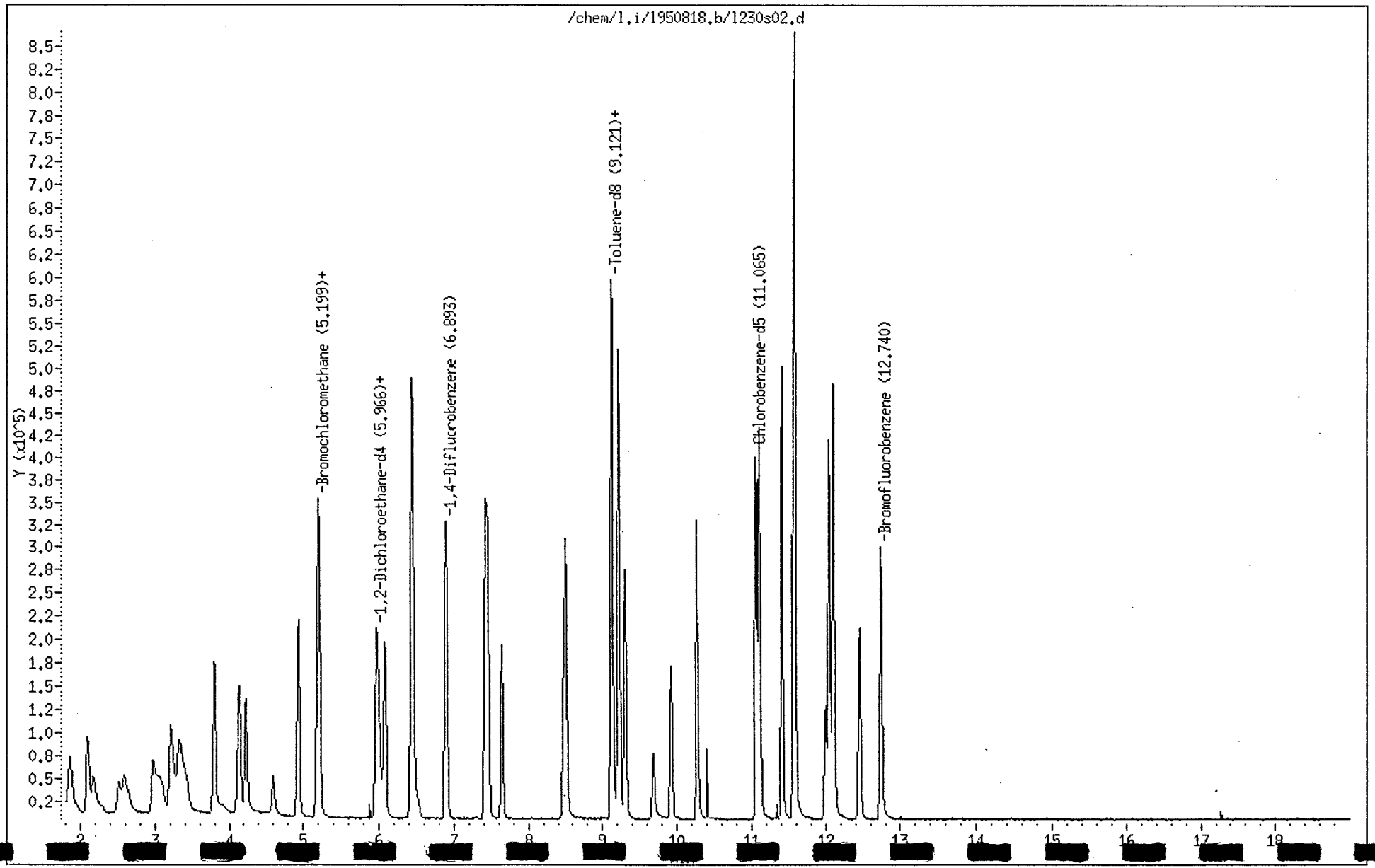
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	63105	-10.63
32 1,4-Difluorobenzene	343192	171596	686384	316780	-7.70
50 Chlorobenzene-d5	272188	136094	544376	253870	-6.73

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.02
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.01
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230s02.d
Date : 18-AUG-1995 12:00
Client ID: 801-001MW-MS
Sample Info: 9508655-02A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i
Operator: JC
Column diameter: 0.25



Software Version: 3.2 <16C20>
Sample Name : 9508655-02BMS Time : 08/28/95 20:10
Sample Number: SC ;W Study : DROW
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/28/95 19:41
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__008.raw
Result File : l:\data\tchrom\pest\hp_t\TT__008.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.639	137051.66	22941.01	BV	5.0000e5	0.4539	4617.9697		0.2741
2	2.735	49603.38	11120.47	VV	5.0000e5	0.4539	4617.9697		0.0992
3	2.871	63870.44	11824.83	VV	5.0000e5	0.4539	4617.9697		0.1277
4	3.034	81947.75	22135.45	VV	5.0000e5	0.4539	4617.9697		0.1639
5	3.102	136083.53	41969.13	VV	5.0000e5	0.4539	4617.9697		0.2722
6	3.234	46525.63	11424.51	VV	5.0000e5	0.4539	4617.9697		0.0931
7	3.368	163622.91	42655.41	VV	5.0000e5	0.4539	4617.9697		0.3273
8	3.511	142994.09	19545.92	VV	5.0000e5	0.4539	4617.9697		0.2860
9	3.702	443375.38	35015.04	VV	5.0000e5	0.4539	4617.9697		0.8868
10	3.972	126882.50	31601.33	VV	5.0000e5	0.4539	4617.9697		0.2538
11	4.051	207088.31	45356.63	VV	5.0000e5	0.4539	4617.9697		0.4142
12	4.185	720756.88	153171.17	VV	5.0000e5	0.4539	4617.9697		1.4415
13	4.351	345048.69	46248.48	VV	5.0000e5	0.4539	4617.9697		0.6901
14	4.556	237377.70	53925.34	VV	5.0000e5	0.4539	4617.9697		0.4748
15	4.683	506475.56	90912.04	VV	5.0000e5	0.4539	4617.9697		1.0130
16	4.772	725474.13	107323.93	VV	5.0000e5	0.4539	4617.9697		1.4510
17	4.997	535690.25	94521.21	VV	5.0000e5	0.4539	4617.9697		1.0714
18	5.087	1120329.38	335586.66	VV	5.0000e5	0.4539	4617.9697		2.2407
19	5.204	749131.13	122049.45	VV	5.0000e5	0.4539	4617.9697		1.4983
20	5.318	384633.69	104224.43	VV	5.0000e5	0.4539	4617.9697		0.7693
21	5.416	513001.13	104313.37	VV	4.9999e5	0.4539	4617.9697		1.0260
22	5.596	6134669.50	896259.06	VV	1970.0000	0.4539	4617.9697	2-FLUOROBIPHENYL	3114.0454
23	5.884	2465375.75	737482.00	VV	5.0000e5	0.4539	4617.9697		4.9308
24	6.069	2277889.00	260162.78	VV	5.0000e5	0.4539	4617.9697		4.5558
25	6.244	1145507.50	193454.73	VV	5.0000e5	0.4539	4617.9697		2.2910
26	6.365	1089601.00	213070.39	VV	4.9999e5	0.4539	4617.9697		2.1792
27	6.449	1016513.06	234456.14	VV	4.9999e5	0.4539	4617.9697		2.0330
28	6.520	695651.06	193781.03	VV	5.0000e5	0.4539	4617.9697		1.3913
29	6.619	2781363.50	813304.13	VV	5.0000e5	0.4539	4617.9697		5.5627
30	6.703	1373597.13	316303.84	VV	5.0000e5	0.4539	4617.9697		2.7472
31	6.822	2426548.50	418342.81	VV	5.0000e5	0.4539	4617.9697		4.8531
32	6.963	1434573.63	355112.81	VV	5.0000e5	0.4539	4617.9697		2.8692
33	7.047	2215793.50	403466.59	VV	4.9999e5	0.4539	4617.9697		4.4316
34	7.160	764834.00	216232.95	VV	5.0000e5	0.4539	4617.9697		1.5297
35	7.299	5190786.00	904451.63	VV	5.0000e5	0.4539	4617.9697		10.3816
36	7.558	2435035.75	319598.78	VV	5.0000e5	0.4539	4617.9697		4.8701
37	7.676	2922600.00	375970.88	VV	5.0000e5	0.4539	4617.9697		5.8452
38	7.778	1246013.25	292073.53	VV	5.0000e5	0.4539	4617.9697		2.4920
39	7.936	6326118.50	966178.31	VV	1969.9999	0.4539	4617.9697	Total Petroleum Hydr	3211.2278
40	8.156	1039122.81	270764.63	VV	5.0000e5	0.4539	4617.9697		2.0783
41	8.234	2298495.00	528720.31	VV	5.0000e5	0.4539	4617.9697		4.5970
42	8.309	2017511.25	349626.41	VV	4.9999e5	0.4539	4617.9697		4.0350
43	8.447	1154675.25	251817.45	VV	5.0000e5	0.4539	4617.9697		2.3094
44	8.545	4905743.50	962843.44	VV	5.0000e5	0.4539	4617.9697		9.8115
45	8.669	1484956.88	339592.38	VV	1970.0000	0.4539	4617.9697	o-Terphenyl	753.7852
46	8.834	2777797.25	345761.94	VV	5.0000e5	0.4539	4617.9697		5.5556
47	8.900	3051804.00	331667.28	VV	5.0000e5	0.4539	4617.9697		6.1036
48	9.113	5080539.00	870036.25	VV	4.9999e5	0.4539	4617.9697		10.1611
49	9.347	2597042.75	298505.19	VV	5.0000e5	0.4539	4617.9697		5.1941

50	9.455	2068144.25	279449.72	VV	4.9999e5	0.4539	4617.9697	4.1363
51	9.654	5321088.00	722863.50	VV	5.0000e5	0.4539	4617.9697	10.6422
52	9.883	1563594.25	246255.98	VV	5.0000e5	0.4539	4617.9697	3.1272
53	9.984	1986912.13	217569.13	VV	5.0000e5	0.4539	4617.9697	3.9738
54	10.172	3006117.75	577870.00	VV	5.0000e5	0.4539	4617.9697	6.0122
55	10.380	1160079.50	189568.38	VV	5.0000e5	0.4539	4617.9697	2.3202
56	10.485	834619.38	181176.53	VV	4.9999e5	0.4539	4617.9697	1.6692
57	10.545	923017.63	184407.06	VV	5.0000e5	0.4539	4617.9697	1.8460
58	10.670	1894068.63	384316.59	VV	5.0000e5	0.4539	4617.9697	3.7881
59	10.848	1787089.63	114915.48	VV	5.0000e5	0.4539	4617.9697	3.5742
60	11.148	1163489.50	231729.11	VV	5.0000e5	0.4539	4617.9697	2.3270
61	11.317	425408.06	71121.38	VV	5.0000e5	0.4539	4617.9697	0.8508
62	11.426	433423.59	55853.88	VV	4.9999e5	0.4539	4617.9697	0.8669
63	11.603	912752.13	103490.40	VV	5.0000e5	0.4539	4617.9697	1.8255
64	12.043	356639.38	39950.45	VV	5.0000e5	0.4539	4617.9697	0.7133
65	12.466	86077.13	15405.95	VV	5.0000e5	0.4539	4617.9697	0.1722
66	12.714	23390.16	5322.14	VV	4.9999e5	0.4539	4617.9697	0.0468
67	12.875	17970.38	5622.55	VB	4.9999e5	0.4539	4617.9697	0.0359
		1.01e8	1.77e7			30.4079	3.0940e5	7254.6694

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.596	6134669.50	896259.06	BV	1970.0000	0.4539	345.8168	2-FLUOROBIPHENYL	3114.0454
3	8.669	1484956.88	339592.38	VV	1970.0000	0.4539	345.8168	o-Terphenyl	753.7852
		7619626.50	1.23e6			0.9077	691.6335		3867.8306

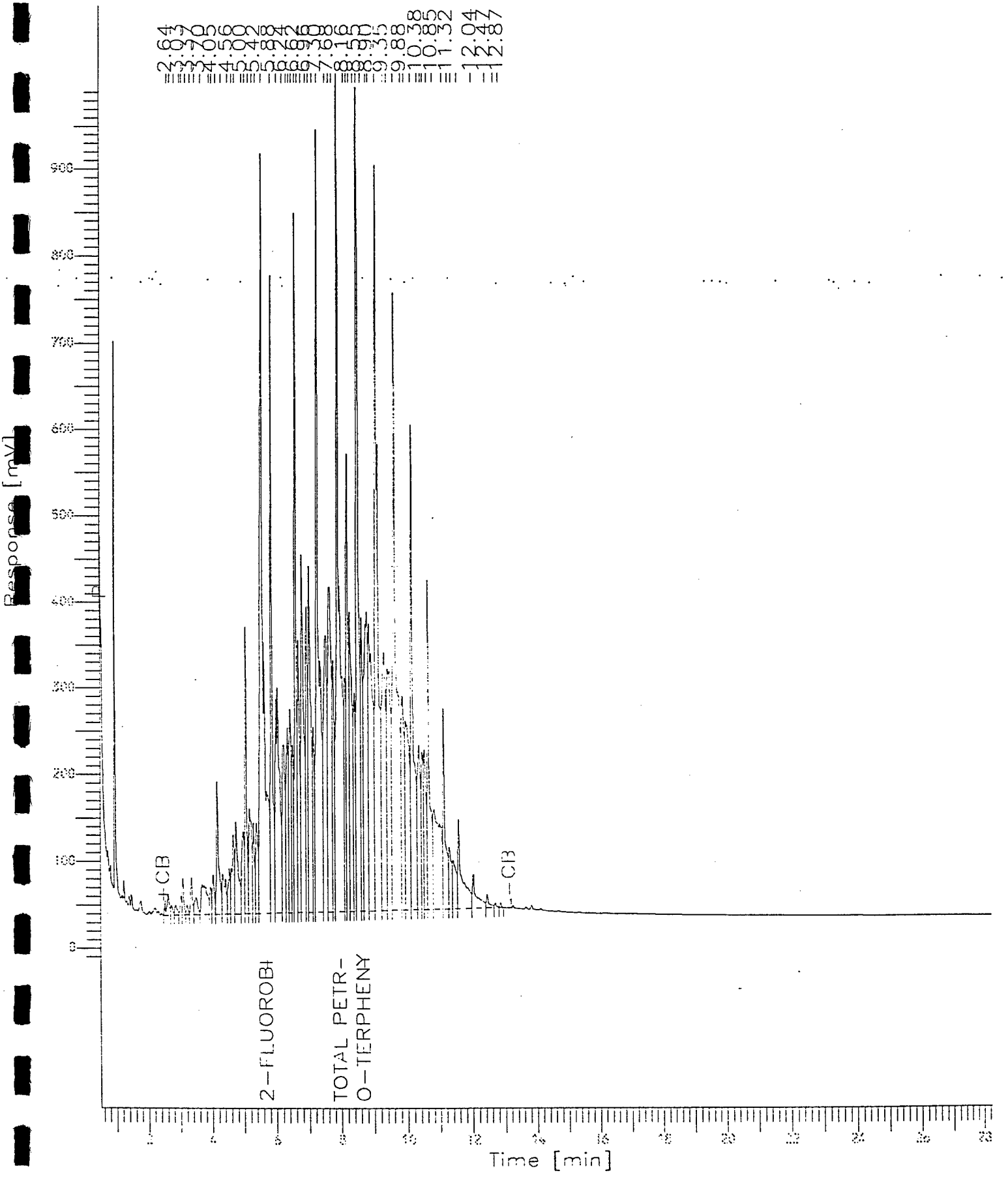
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__008.TXO

Chromatogram

Sample Name : 9508655-02BMS
FileName : l:\data\tchrom\pest\hp_t\TT__008.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -12 mV

Sample #: SC ;W
Date : 08/28/95 20:10
Time of Injection: 08/28/95 19:41
Low Point : -11.99 mV High Point : 1000.00 mV
Plot Scale: 1012 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-06

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW-MSD

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:15:0
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/28/95 22:01:00	9.37	0.1	mg/
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-06

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 801-001MW-MSD

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 11:15:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	48	5	ug/L
Bromodichloromethane	49	5	ug/L
Bromoform	45	5	ug/L
Bromomethane	49	10	ug/L
2-Butanone	29	20	ug/L
Carbon Disulfide	46	5	ug/L
Carbon Tetrachloride	47	5	ug/L
Chlorobenzene	49	5	ug/L
Chloroethane	38	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	48	5	ug/L
Chloromethane	46	10	ug/L
Dibromochloromethane	48	5	ug/L
1,1-Dichloroethane	50	5	ug/L
1,1-Dichloroethene	49	5	ug/L
1,2-Dichloroethane	50	5	ug/L
total-1,2-Dichloroethene	100	5	ug/L
1,2-Dichloropropane	50	5	ug/L
cis-1,3-Dichloropropene	48	5	ug/L
trans-1,3-Dichloropropene	48	5	ug/L
Ethylbenzene	48	5	ug/L
2-Hexanone	23	10	ug/L
Methylene Chloride	50	5	ug/L
4-Methyl-2-Pentanone	35	10	ug/L
Styrene	45	5	ug/L
1,1,2,2-Tetrachloroethane	49	5	ug/L
Tetrachloroethene	48	5	ug/L
Toluene	49	5	ug/L
1,1,1-Trichloroethane	49	5	ug/L
1,1,2-Trichloroethane	50	5	ug/L
Trichloroethene	49	5	ug/L
Trichlorofluoromethane	43	5	ug/L
Vinyl Acetate	47	10	ug/L
Vinyl Chloride	47	10	ug/L
Xylenes (total)	140	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-06

Operational Tech

SAMPLE ID: 801-001MW-MSD

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	102	76	114
Toluene-d8	50 ug/L	98	88	110
4-Bromofluorobenzene	50 ug/L	98	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 12:28:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s03.d
Lab Smp Id: 9508655-06A Client Smp ID: 801-001MW-MSD
Inj Date : 18-AUG-1995 12:28
Operator : JC Inst ID: l.i
Smp Info : 9508655-06A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 9
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
1 Chloromethane	50.00	1.752	1.767	(0.338)	158864	230	46
2 Vinyl Chloride	62.00	1.859	1.865	(0.359)	136919	230	47
3 Bromomethane	94.00	2.100	2.096	(0.405)	89446	250	49
4 Chloroethane	64.00	2.171	2.194	(0.419)	63951	190	38
7 Trichlorofluoromethane	101.00	2.510	2.595	(0.484)	109494	220	43 (M)
8 Acetone	58.00	2.590	2.587	(0.500)	12710	150	30 (M)
11 1,1-Dichloroethene	96.00	2.973	3.059	(0.574)	82331	240	49 (M)
13 Methylene Chloride	84.00	3.205	3.219	(0.618)	104069	250	50
18 1,2-Dichloroethene (total)	96.00				200690	510	100
14 Carbon Disulfide	76.00	3.321	3.380	(0.641)	333567	230	46
15 trans-1,2-Dichloroethene	96.00	3.793	3.799	(0.732)	87915	270	54
17 1,1-Dichloroethane	63.00	4.123	4.129	(0.795)	194084	250	50
19 Vinyl Acetate	43.00	4.221	4.227	(0.814)	269420	230	47
20 2-Butanone	43.00	4.596	4.592	(0.886)	80974	140	29
21 cis-1,2-Dichloroethene	96.00	4.925	4.931	(0.950)	112775	240	48
24 Chloroform	83.00	5.202	5.207	(1.003)	195669	240	48
27 1,1,1-Trichloroethane	97.00	5.986	5.992	(0.868)	135193	250	49
28 1,2-Dichloroethane	62.00	6.075	6.081	(1.172)	178482	250	50
30 Benzene	78.00	6.432	6.437	(0.933)	439854	240	48
31 Carbon Tetrachloride	117.00	6.459	6.464	(0.937)	113278	240	47
34 1,2-Dichloropropane	63.00	7.421	7.427	(1.076)	127854	250	50
35 Trichloroethene	130.00	7.448	7.454	(1.080)	104232	250	49
37 Bromodichloromethane	83.00	7.644	7.650	(1.109)	137847	240	49
40 4-Methyl-2-Pentanone	43.00	8.473	8.479	(1.229)	150259	180	35
41 cis-1,3-Dichloropropene	75.00	8.509	8.505	(1.234)	165006	240	48
42 trans-1,3-Dichloropropene	75.00	9.133	9.138	(1.324)	143204	240	48
44 Toluene	92.00	9.213	9.219	(0.832)	231469	250	49
45 1,1,2-Trichloroethane	83.00	9.302	9.299	(1.349)	87847	250	50
46 2-Hexanone	43.00	9.677	9.682	(0.874)	84536	110	23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	47 Dibromochloromethane	129.00	9.926	9.932	(1.440)	101281	240	48
	49 Tetrachloroethene	164.00	10.274	10.270	(0.928)	85437	240	48
	52 Chlorobenzene	112.00	11.112	11.117	(1.004)	240426	240	49
M	53 Xylene (Total)	106.00				427753	720	140
	54 Ethylbenzene	106.00	11.415	11.420	(1.031)	115865	240	48
	55 m,p-Xylene(s)	106.00	11.575	11.581	(1.046)	285751	480	96
	56 Bromoform	173.00	11.994	12.000	(1.084)	74000	230	45
	57 Styrene	104.00	12.048	12.044	(1.089)	212891	220	45
	59 o-Xylene	106.00	12.101	12.107	(1.093)	142002	240	48
	60 1,1,2,2-Tetrachloroethane	83.00	12.449	12.454	(1.125)	136447	240	49
*	23 Bromochloromethane	128.00	5.184	5.189	(1.000)	65963	250	
*	32 1,4-Difluorobenzene	114.00	6.895	6.901	(1.000)	317823	250	
*	50 Chlorobenzene-d5	117.00	11.067	11.064	(1.000)	254737	250	
$	26 1,2-Dichloroethane-d4	102.00	5.960	5.965	(1.150)	25263	260	51
$	43 Toluene-d8	98.00	9.115	9.120	(0.824)	333801	240	49
$	61 Bromofluorobenzene	95.00	12.743	12.740	(1.151)	118153	240	49

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s03.d
Lab Smp Id: 9508655-06A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912
Client Smp ID: 801-001MW-MSD
Level: LOW
Sample Type: WATER

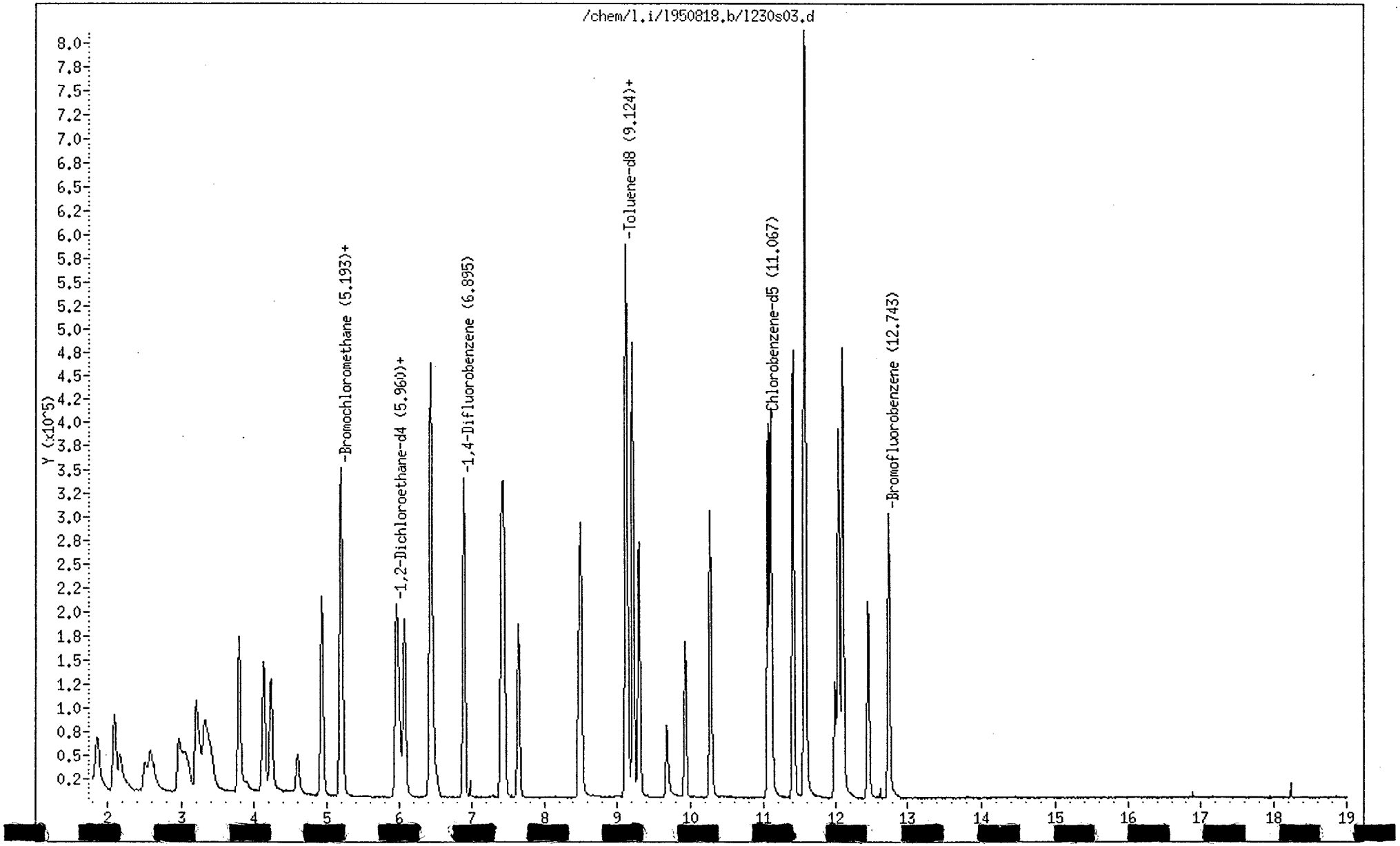
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	65963	-6.58
32 1,4-Difluorobenzene	343192	171596	686384	317823	-7.39
50 Chlorobenzene-d5	272188	136094	544376	254737	-6.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.11
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	-0.08
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230s03.d
Date : 18-AUG-1995 12:28
Client ID: 801-001MW-MSD
Sample Info: 9508655-06A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i
Operator: JC
Column diameter: 0.25



[redacted]tware Version: 3.2 <16C20>
Sample Name : 9508655-06B Time : 08/28/95 22:30
Sample Number: SC ;W Study : DROW
[redacted]erator : SEG

[redacted]trument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

[redacted]terface Serial # : 4118271220 Data Acquisition Time: 08/28/95 22:01
Delay Time : 0.50 min.
End Time : 28.25 min.
[redacted]mpling Rate : 1.0000 pts/sec

[redacted] Data File : l:\data\tchrom\pest\hp_t\TT__012.raw
Result File : l:\data\tchrom\pest\hp_t\TT__012.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
[redacted]ocess File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
[redacted]mple File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

[redacted]. Volume : 1 ul Area Reject : 100.00
[redacted]mple Amount : 1.0000 Dilution Factor : 1.00

9701.71 (0.4529)(1.0/1000) 500

Area/Concentration Report

Peak [redacted]	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
[redacted]	2.641	146231.78	23121.67	BV	5.0000e5	0.4539	4403.1221		0.2925
2	2.733	55669.31	12144.49	VV	5.0000e5	0.4539	4403.1221		0.1113
3	2.871	74050.63	12017.30	VV	4.9999e5	0.4539	4403.1221		0.1481
[redacted]	3.034	79429.95	22098.41	VV	5.0000e5	0.4539	4403.1221		0.1589
[redacted]	3.103	136227.41	40547.83	VV	5.0000e5	0.4539	4403.1221		0.2725
6	3.238	64653.31	13976.33	VV	4.9999e5	0.4539	4403.1221		0.1293
7	3.369	176335.34	43534.66	VV	4.9999e5	0.4539	4403.1221		0.3527
[redacted]	3.512	152818.66	20316.88	VV	5.0000e5	0.4539	4403.1221		0.3056
[redacted]	3.702	438525.19	35138.95	VV	5.0000e5	0.4539	4403.1221		0.8771
[redacted]	3.972	126437.50	31512.18	VV	5.0000e5	0.4539	4403.1221		0.2529
11	4.052	204843.56	44603.03	VV	5.0000e5	0.4539	4403.1221		0.4097
[redacted]	4.185	692977.88	145287.38	VV	5.0000e5	0.4539	4403.1221		1.3860
[redacted]	4.352	335263.06	44864.53	VV	4.9999e5	0.4539	4403.1221		0.6705
[redacted]	4.556	228620.31	52151.52	VV	5.0000e5	0.4539	4403.1221		0.4572
15	4.683	490734.72	87553.27	VV	5.0000e5	0.4539	4403.1221		0.9815
16	4.773	697652.25	102995.43	VV	5.0000e5	0.4539	4403.1221		1.3953
[redacted]	4.996	512785.31	90280.90	VV	5.0000e5	0.4539	4403.1221		1.0256
[redacted]	5.087	1059906.25	313877.06	VV	5.0000e5	0.4539	4403.1221		2.1198
[redacted]	5.205	706756.25	115021.49	VV	5.0000e5	0.4539	4403.1221		1.4135
20	5.318	367830.00	99466.23	VV	5.0000e5	0.4539	4403.1221		0.7357
[redacted]	5.417	558526.50	99769.32	VV	5.0000e5	0.4539	4403.1221		1.1171
[redacted]	5.584	2502461.00	565220.56	VV	5.0000e5	0.4539	4403.1221		5.0049
[redacted]	5.655	2531661.75	343918.06	VV	1969.9999	0.4539	4403.1221	2-FLUOROBIPHENYL	1285.1075
24	5.885	2469274.00	709970.81	VV	5.0000e5	0.4539	4403.1221		4.9386
25	6.069	2317199.00	260240.63	VV	5.0000e5	0.4539	4403.1221		4.6344
[redacted]	6.243	1147036.75	192861.72	VV	4.9999e5	0.4539	4403.1221		2.2941
[redacted]	6.364	1077272.63	211016.14	VV	5.0000e5	0.4539	4403.1221		2.1546
28	6.448	992252.25	229098.05	VV	5.0000e5	0.4539	4403.1221		1.9845
29	6.519	684426.31	193533.30	VV	5.0000e5	0.4539	4403.1221		1.3689
[redacted]	6.619	2708445.00	788483.06	VV	5.0000e5	0.4539	4403.1221		5.4169
[redacted]	6.703	1352682.88	313316.72	VV	5.0000e5	0.4539	4403.1221		2.7054
[redacted]	6.821	2390553.50	411849.97	VV	5.0000e5	0.4539	4403.1221		4.7811
33	6.963	1400194.00	345821.50	VV	4.9999e5	0.4539	4403.1221		2.8004
34	7.047	2138568.00	387526.53	VV	5.0000e5	0.4539	4403.1221		4.2771
[redacted]	7.161	739948.69	209358.83	VV	5.0000e5	0.4539	4403.1221		1.4799
[redacted]	7.299	3601918.00	869706.81	VV	5.0000e5	0.4539	4403.1221		7.2038
37	7.387	1417884.00	283476.00	VV	5.0000e5	0.4539	4403.1221		2.8358
38	7.554	2359639.00	310861.41	VV	5.0000e5	0.4539	4403.1221		4.7193
[redacted]	7.679	2810680.00	363045.19	VV	5.0000e5	0.4539	4403.1221		5.6214
[redacted]	7.779	1390644.75	281446.84	VV	5.0000e5	0.4539	4403.1221		2.7813
[redacted]	7.936	5907023.00	949439.19	VV	1970.0000	0.4539	4403.1221	Total Petroleum Hydr	2998.4888
42	8.158	992382.50	257801.17	VV	5.0000e5	0.4539	4403.1221		1.9848
43	8.233	1904839.50	504865.56	VV	5.0000e5	0.4539	4403.1221		3.8097
[redacted]	8.311	2225298.50	335632.63	VV	5.0000e5	0.4539	4403.1221		4.4506
[redacted]	8.446	1106267.50	239794.25	VV	5.0000e5	0.4539	4403.1221		2.2125
46	8.545	4701633.00	935313.19	VV	5.0000e5	0.4539	4403.1221		9.4033
47	8.670	1420769.63	323570.78	VV	1969.9999	0.4539	4403.1221	o-Terphenyl	721.2029
[redacted]	8.833	2631994.25	330007.22	VV	5.0000e5	0.4539	4403.1221		5.2640
[redacted]	8.900	3128941.25	315729.50	VV	5.0000e5	0.4539	4403.1221		6.2579

50	9.113	4403551.00	822612.94	VV	5.0000e5	0.4539	4403.1221		8.8071
51	9.345	2671975.50	283022.59	VV	4.9999e5	0.4539	4403.1221		5.3440
52	9.464	2168657.50	260666.06	VV	5.0000e5	0.4539	4403.1221		4.3373
53	9.654	4834104.00	683097.56	VV	5.0000e5	0.4539	4403.1221		9.6682
54	9.883	1475460.25	230473.00	VV	5.0000e5	0.4539	4403.1221		2.9509
55	9.984	1875635.25	206248.38	VV	5.0000e5	0.4539	4403.1221		3.7513
56	10.173	2840996.50	542214.56	VV	5.0000e5	0.4539	4403.1221		5.6820
57	10.380	1090206.25	176471.28	VV	5.0000e5	0.4539	4403.1221		2.1804
58	10.485	778985.13	170778.48	VV	5.0000e5	0.4539	4403.1221		1.5580
59	10.545	872922.75	173818.05	VV	4.9999e5	0.4539	4403.1221		1.7459
60	10.670	1786092.25	361843.78	VV	5.0000e5	0.4539	4403.1221		3.5722
61	10.848	802699.13	107862.57	VV	5.0000e5	0.4539	4403.1221		1.6054
62	10.959	871708.13	93813.32	VV	4.9999e5	0.4539	4403.1221		1.7434
63	11.148	1092088.25	215401.47	VV	5.0000e5	0.4539	4403.1221		2.1842
64	11.317	345692.78	65804.30	VV	5.0000e5	0.4539	4403.1221		0.6914
65	11.428	451677.41	51674.59	VV	5.0000e5	0.4539	4403.1221		0.9034
66	11.604	854311.13	93717.26	VV	5.0000e5	0.4539	4403.1221		1.7086
67	12.045	312141.00	35680.37	VV	5.0000e5	0.4539	4403.1221		0.6243
68	12.468	82797.13	13365.23	VV	5.0000e5	0.4539	4403.1221		0.1656
69	12.716	25497.16	4963.37	VV	4.9999e5	0.4539	4403.1221		0.0510
70	12.877	21224.31	4823.18	VB	5.0000e5	0.4539	4403.1221		0.0425
71	13.115	509.03	279.03	BB	5.0000e5	0.4539	4403.1221		0.0010
		97017120.00	1.75e7			32.2233	3.1262e5		5179.1138

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.655	2531661.75	343918.06	BV	1969.9999	0.4539	179.3811	2-FLUOROBIPHENYL	1285.1075
3	8.670	1420769.63	323570.78	VV	1969.9999	0.4539	179.3811	o-Terphenyl	721.2029
		3952431.50	667488.88			0.9077	358.7622		2006.3104

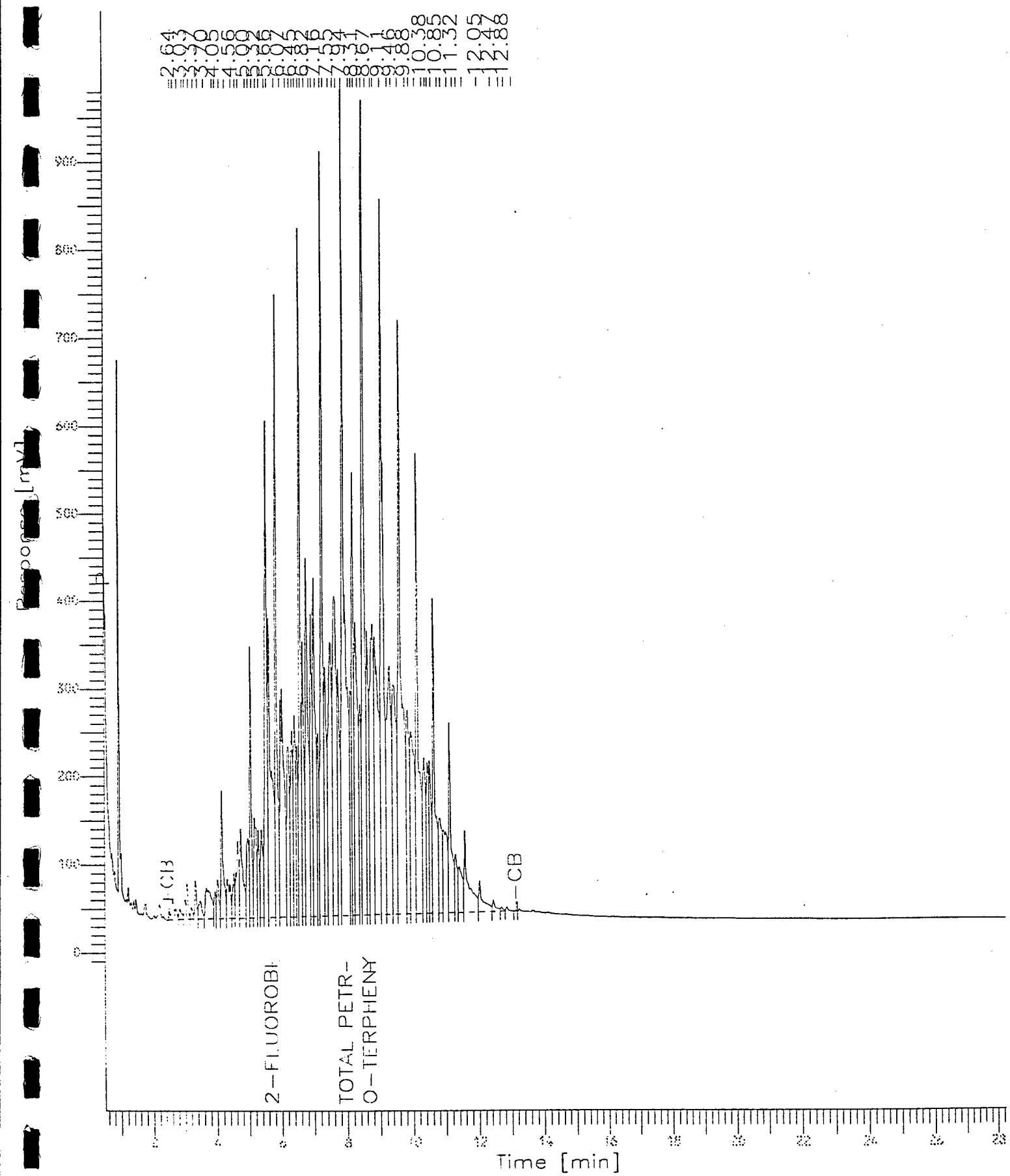
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__012.TXO

Chromatogram

Sample Name : 9508655-068
FileName : l:\data\tchrom\pest\hp_t\TT__012.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -10 mV

Sample #: SC ;W
Date : 08/28/95 22:30
Time of Injection: 08/28/95 22:01
Low Point : -10.08 mV High Point : 983.92 mV
Plot Scale: 994 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-03

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 873-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 12:35:0
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/28/95 20:16:00	0.11	0.1	mg/
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-03

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 873-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 12:35:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-03

Operational Tech

SAMPLE ID: 873-001MW

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	100	76	114
Toluene-d8	50 ug/L	102	88	110
4-Bromofluorobenzene	50 ug/L	96	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 15:59:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s10.d
Lab Smp Id:
Inj Date : 18-AUG-1995 15:59
Operator : JC Inst ID: l.i
Smp Info : 9508655-03A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 15
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	23 Bromochloromethane	128.00	5.183	5.189	(1.000)	60415	250	
*	32 1,4-Difluorobenzene	114.00	6.895	6.901	(1.000)	289897	250	
	50 Chlorobenzene-d5	117.00	11.067	11.064	(1.000)	224283	250	
	26 1,2-Dichloroethane-d4	102.00	5.959	5.965	(1.150)	22707	250	50
$	43 Toluene-d8	98.00	9.115	9.120	(0.824)	306653	260	51
$	61 Bromofluorobenzene	95.00	12.742	12.740	(1.151)	102113	240	48

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s10.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	60415	-14.44
32 1,4-Difluorobenzene	343192	171596	686384	289897	-15.53
50 Chlorobenzene-d5	272188	136094	544376	224283	-17.60

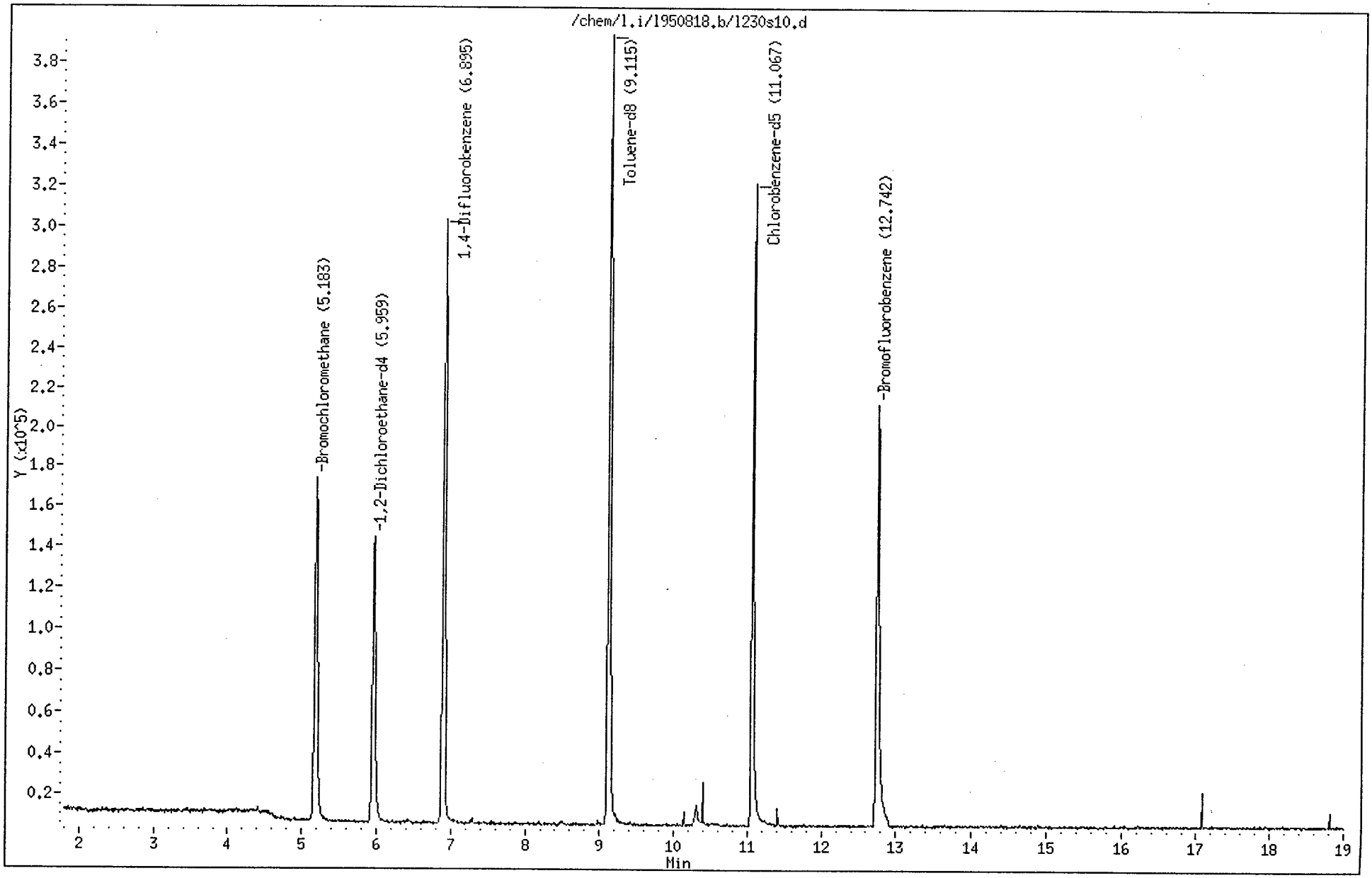
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.12
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.09
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230s10.d
Date : 18-AUG-1995 15:59
Client ID:
Sample Info: 9508655-03A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



```
================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508655-03B              Time         : 08/28/95  20:45
Sample Number: SC ;W                    Study        : DROW
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/28/95  20:16
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__009.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__009.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

================================================================================
```

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.599	1186.50	213.90	BB	5.0000e5	0.4539	71.4872		0.0024
2	2.973	1896.03	271.71	BB	5.0000e5	0.4539	71.4872		0.0038
3	3.250	3535.00	577.18	BV	5.0000e5	0.4539	71.4872		0.0071
4	3.373	2305.67	510.68	VV	5.0000e5	0.4539	71.4872		0.0046
5	3.484	2528.34	527.87	VB	5.0000e5	0.4539	71.4872		0.0051
6	3.704	1112.50	326.79	BV	5.0000e5	0.4539	71.4872		0.0022
7	3.813	463.50	166.80	VB	5.0000e5	0.4539	71.4872		0.0009
8	3.940	864.63	129.66	BB	5.0000e5	0.4539	71.4872		0.0017
9	4.630	1203.50	200.84	BB	5.0000e5	0.4539	71.4872		0.0024
10	5.393	972.50	227.22	BB	5.0000e5	0.4539	71.4872		0.0020
11	5.567	1059538.75	59857.28	BV	1970.0000	0.4539	71.4872	2-FLUOROBIPHENYL	537.8369
12	6.437	252949.63	14680.89	VV	5.0000e5	0.4539	71.4872		0.5059
13	7.131	83795.38	2891.44	VV	5.0000e5	0.4539	71.4872		0.1676
14	7.962	25604.25	1311.46	VV	1970.0001	0.4539	71.4872	Total Petroleum Hydr	12.9971
15	8.566	5634.56	402.68	VV	1970.0000	0.4539	71.4872	o-Terphenyl	2.8602
16	8.890	4206.50	387.65	VB	5.0000e5	0.4539	71.4872		0.0084
17	9.705	91457.06	26683.15	BE	5.0000e5	0.4539	71.4872		0.1829
18	10.055	2102.00	349.69	EB	5.0000e5	0.4539	71.4872		0.0042
19	10.647	1076.50	154.85	BB	4.9999e5	0.4539	71.4872		0.0022
20	12.379	6191.00	646.30	BV	5.0000e5	0.4539	71.4872		0.0124
21	12.515	2530.97	347.99	VB	5.0000e5	0.4539	71.4872		0.0051
22	12.718	23465.13	7836.95	BV	5.0000e5	0.4539	71.4872		0.0469
23	12.888	507.88	125.22	VB	5.0000e5	0.4539	71.4872		0.0010
		1575127.75	118828.16			10.4386	1644.2051		554.6630

ISTD. SI - 9.14 - 25.29
(0.4539)(2.0 / 1000)

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.567	1059538.75	59857.28	BV	1970.0000	0.4539	48.3429	2-FLUOROBIPHENYL	537.8369
3	8.566	5634.56	402.68	BV	1970.0000	0.4539	48.3429	o-Terphenyl	2.8602
		1065173.25	60259.96			0.9077	96.6858		540.6971

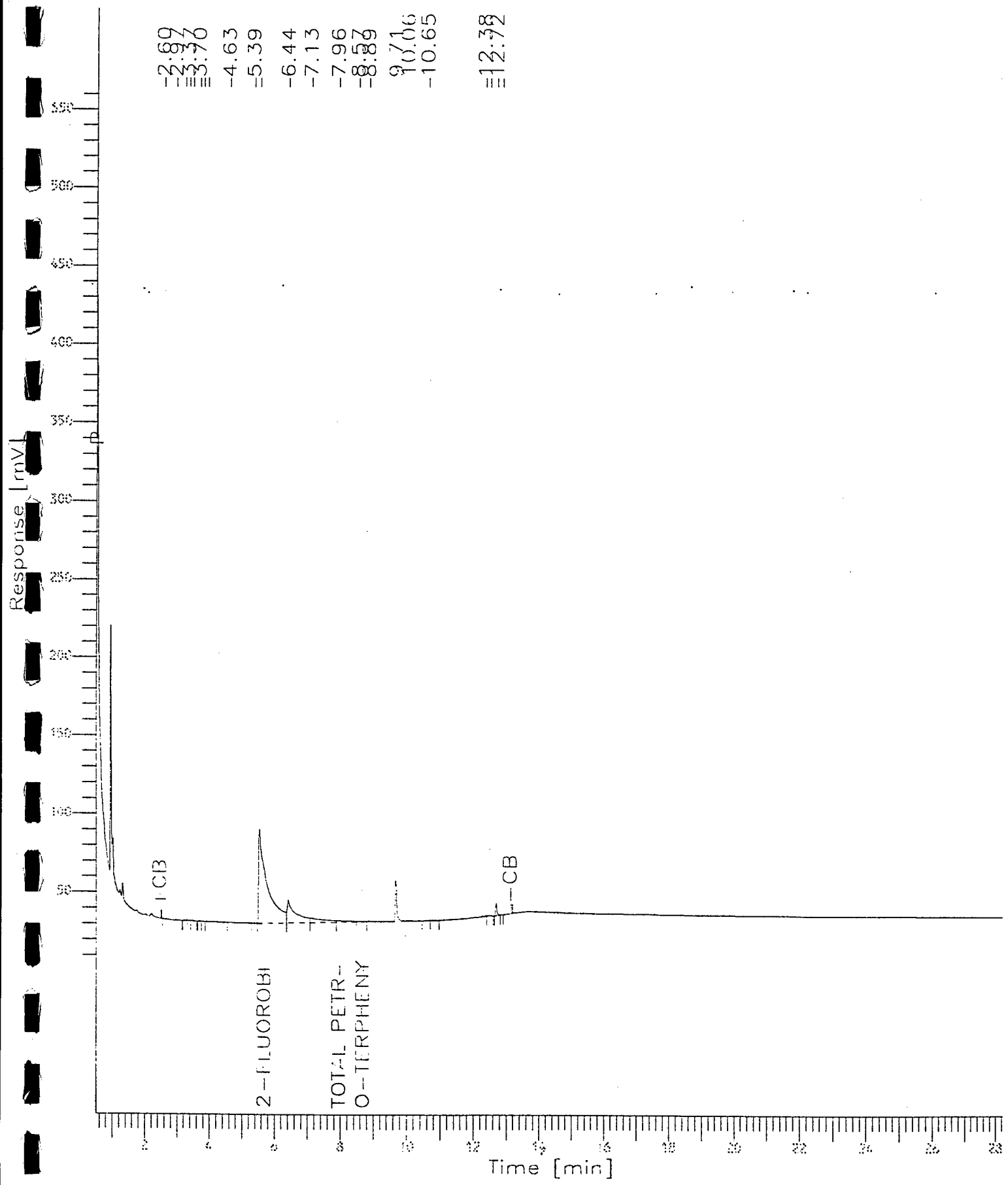
```
================================================================================
 END
================================================================================

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__009.TXO
```

Chromatogram

Sample Name : 9508655-03B
FileName : l:\data\tchrom\pest\hp_t\TT__009.raw
Method : DIESELT.ins
Start Time : 0.50 min
Scale Factor: 1
End Time : 28.25 min
Plot Offset: 4 mV

Sample #: SC ;W
Date : 08/28/95 20:45
Time of Injection: 08/28/95 20:16
Low Point : 4.14 mV
Plot Scale: 560 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-04

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 873-GW-FB

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 12:45:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/28/95 20:51:00	0.01	0.1	mg/l
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Changed on corrected copy

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

CORRECTED COPY

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-04

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 11/15/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 873-GW-FB

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 12:45:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables	ND	0.1	mg/L
WI LUFT DRO			
Analyzed by: SEG			
Date: 08/28/95 20:51:00			
Liquid-liquid extraction	08/18/95		
METHOD 3510 ***			
Analyzed by: JK			
Date: 08/18/95 11:00:00			

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-04

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 873-GW-FB

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 12:45:0
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-04

Operational Tech

SAMPLE ID: 873-GW-FB

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	102	76	114
Toluene-d8	50 ug/L	100	88	110
4-Bromofluorobenzene	50 ug/L	94	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 16:27:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s11.d
Lab Smp Id: 9508655-04A
Inj Date : 18-AUG-1995 16:27
Operator : JC Inst ID: l.i
Smp Info : 9508655-04A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 16
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 23 Bromochloromethane	128.00	5.181	5.189	(1.000)	62210	250	
* 32 1,4-Difluorobenzene	114.00	6.892	6.901	(1.000)	290973	250	
* 50 Chlorobenzene-d5	117.00	11.073	11.064	(1.000)	227353	250	
$ 26 1,2-Dichloroethane-d4	102.00	5.965	5.965	(1.151)	23598	250	51
$ 43 Toluene-d8	98.00	9.121	9.120	(0.824)	304247	250	50
$ 61 Bromofluorobenzene	95.00	12.749	12.740	(1.151)	100940	230	47

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s11.d
Lab Smp Id: 9508655-04A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	62210	-11.90
32 1,4-Difluorobenzene	343192	171596	686384	290973	-15.22
50 Chlorobenzene-d5	272188	136094	544376	227353	-16.47

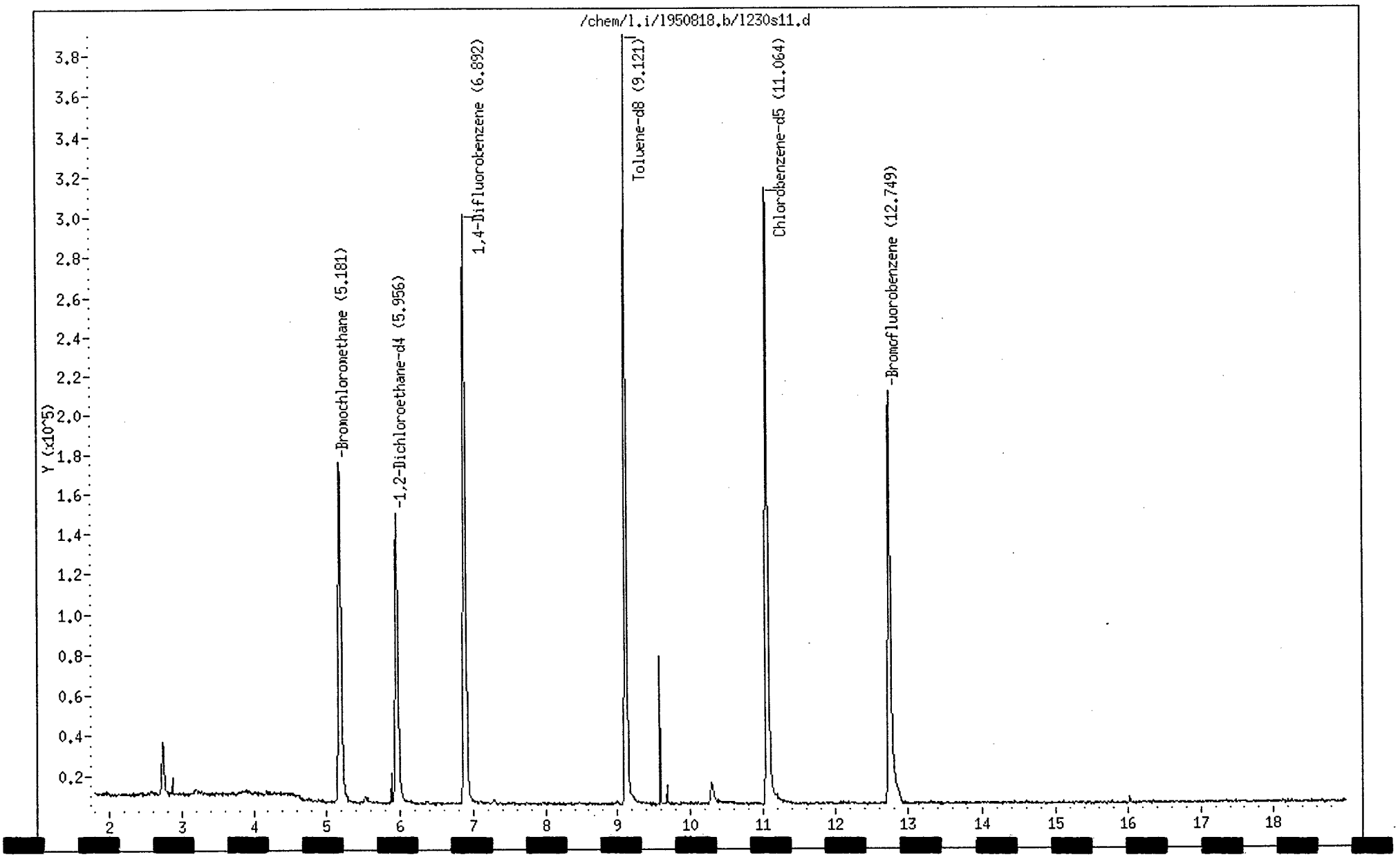
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.17
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.13
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950818.b/1230s11.d
Date : 18-AUG-1995 16:27
Client ID:
Sample Info: 9508655-04A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Software Version: 3.2 <16C20>
Sample Name : 9508655-04B Time : 08/28/95 21:20
Sample Number: SC ;W Study : DROW
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 08/28/95 20:51
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\pest\hp_t\TT__010.raw
Result File : l:\data\tchrom\pest\hp_t\TT__010.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.603	3439.50	1058.40	BB	5.0000e5	0.4539	14.2745		0.0069
2	2.764	1157.00	259.21	BB	5.0000e5	0.4539	14.2745		0.0023
3	3.000	1984.00	253.88	BB	5.0000e5	0.4539	14.2745		0.0040
4	3.229	723.27	161.73	BV	5.0000e5	0.4539	14.2745		0.0015
5	3.381	3613.58	936.25	VV	5.0000e5	0.4539	14.2745		0.0072
6	3.490	6642.69	1490.59	VB	5.0000e5	0.4539	14.2745		0.0133
7	3.710	4107.80	1107.12	BV	4.9999e5	0.4539	14.2745		0.0082
8	3.817	2261.23	649.75	VV	4.9999e5	0.4539	14.2745		0.0045
9	3.944	1497.75	429.85	VV	4.9999e5	0.4539	14.2745		0.0030
10	4.067	354.86	113.72	VV	5.0000e5	0.4539	14.2745		0.0007
11	4.191	1137.36	226.02	VV	4.9999e5	0.4539	14.2745		0.0023
12	4.703	18271.25	645.12	VV	4.9999e5	0.4539	14.2745		0.0365
13	5.069	8429.50	372.03	VV	4.9999e5	0.4539	14.2745		0.0169
14	6.201	609.25	165.52	VB	5.0000e5	0.4539	14.2745		0.0012
15	6.551	83670.78	4721.11	BE	5.0000e5	0.4539	14.2745		0.1673
16	7.151	7512.00	712.77	EV	5.0000e5	0.4539	14.2745		0.0150
17	7.423	6026.17	1028.76	VE	4.9999e5	0.4539	14.2745		0.0121
18	7.715	524.00	123.84	EV	5.0000e5	0.4539	14.2745		0.0011
19	7.845	2038.63	300.71	VV	4.9999e5	0.4539	14.2745		0.0041
20	7.967	4256.25	543.72	VV	1970.0000	0.4539	14.2745	Total Petroleum Hydr	2.1605
21	8.373	2667.50	219.30	VV	5.0000e5	0.4539	14.2745		0.0053
22	8.524	1161.81	225.91	VB	1970.0000	0.4539	14.2745	o-Terphenyl	0.5898
23	9.003	1492.00	297.72	BB	5.0000e5	0.4539	14.2745		0.0030
24	9.292	1014.75	237.26	BV	5.0000e5	0.4539	14.2745		0.0020
25	9.559	1098.25	295.57	VB	4.9999e5	0.4539	14.2745		0.0022
26	9.708	93818.59	28376.03	BV	5.0000e5	0.4539	14.2745		0.1876
27	9.827	27792.19	6801.90	VV	5.0000e5	0.4539	14.2745		0.0556
28	10.060	18450.25	2299.17	VB	4.9999e5	0.4539	14.2745		0.0369
29	12.722	8768.00	596.52	BB	5.0000e5	0.4539	14.2745		0.0175
		314520.19	54649.47			13.1617	413.9606		3.3685

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.730	0.00	0.00	VV	----------	0.4539	0.0527	2-FLUOROBIPHENYL	0.0000
23	8.524	1161.81	225.91	BB	1970.0000	0.4539	0.0527	o-Terphenyl	0.5898
		1161.81	225.91			0.9077	0.1055		0.5898

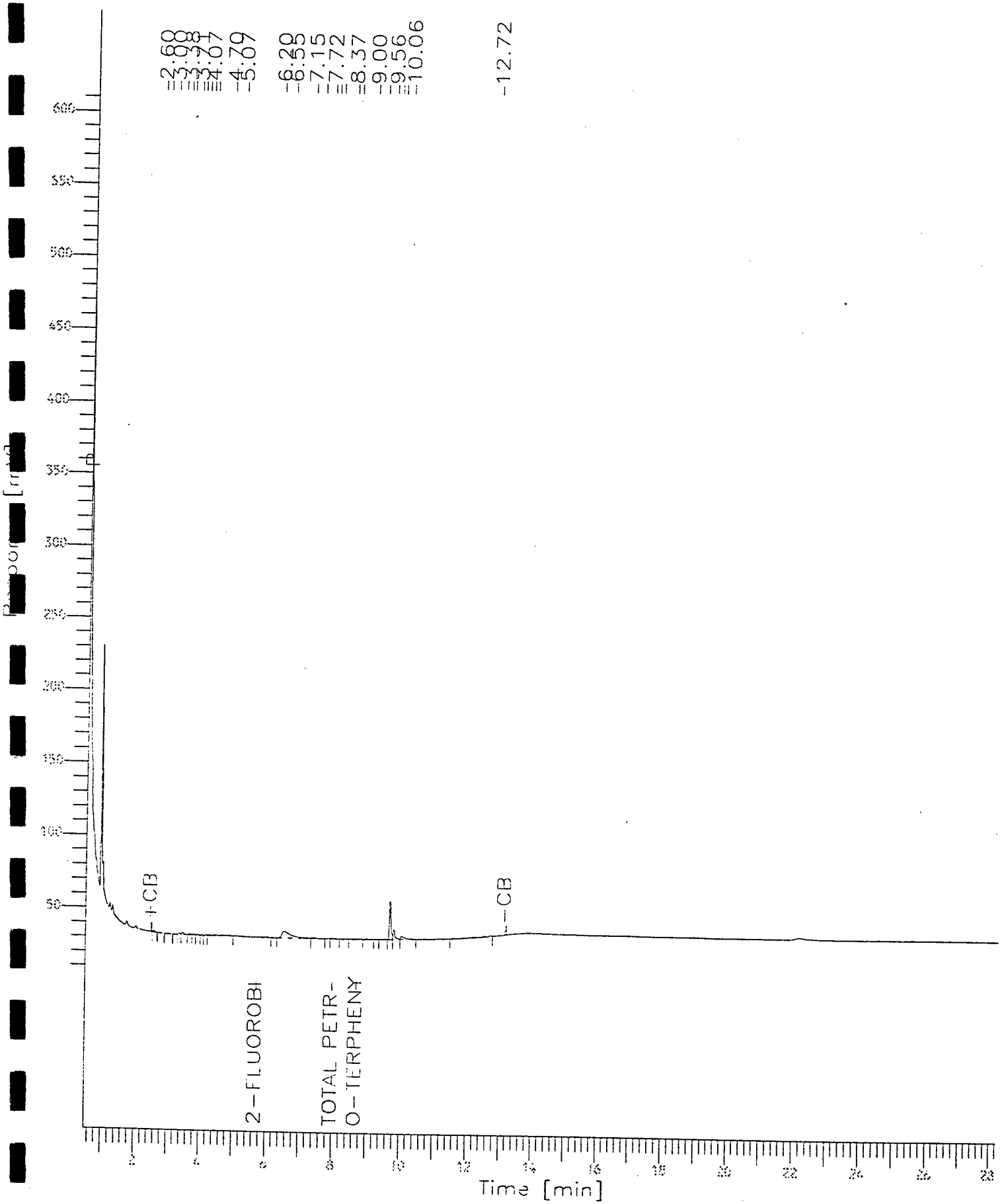
END

Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__010.TXO

Chromatogram

Sample Name : 9508655-04B
FileName : l:\data\tchrom\pest\hp_t\TT__010.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 2 mV

Sample #: SC ;W
Date : 08/28/95 21:20
Time of Injection: 08/28/95 20:51
Low Point : 1.92 mV High Point : 614.63 mV
Plot Scale: 613 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-05

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/06/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 591-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 14:05:0
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/28/95 21:26:00	0.36	0.1	mg/L
Liquid-liquid extraction METHOD 3510 *** Analyzed by: JK Date: 08/18/95 11:00:00	08/18/95		

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-05

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 591-001MW

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/16/95 14:05:00
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-05

Operational Tech

SAMPLE ID: 591-001MW

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	100	76	114
Toluene-d8	50 ug/L	102	88	110
4-Bromofluorobenzene	50 ug/L	90	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 16:55:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s12.d
Lab Smp Id: 9508655-05A
Inj Date : 18-AUG-1995 16:55
Operator : JC Inst ID: l.i
Smp Info : 9508655-05A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 18
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	23 Bromochloromethane	128.00	5.181	5.189	(1.000)	59893	250	
*	32 1,4-Difluorobenzene	114.00	6.893	6.901	(1.000)	284241	250	
	50 Chlorobenzene-d5	117.00	11.065	11.064	(1.000)	221860	250	
	26 1,2-Dichloroethane-d4	102.00	5.957	5.965	(1.150)	22215	250	50
$	43 Toluene-d8	98.00	9.112	9.120	(0.824)	302522	260	51
	61 Bromofluorobenzene	95.00	12.740	12.740	(1.151)	94583	220	45

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s12.d
Lab Smp Id: 9508655-05A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	59893	-15.18
32 1,4-Difluorobenzene	343192	171596	686384	284241	-17.18
50 Chlorobenzene-d5	272188	136094	544376	221860	-18.49

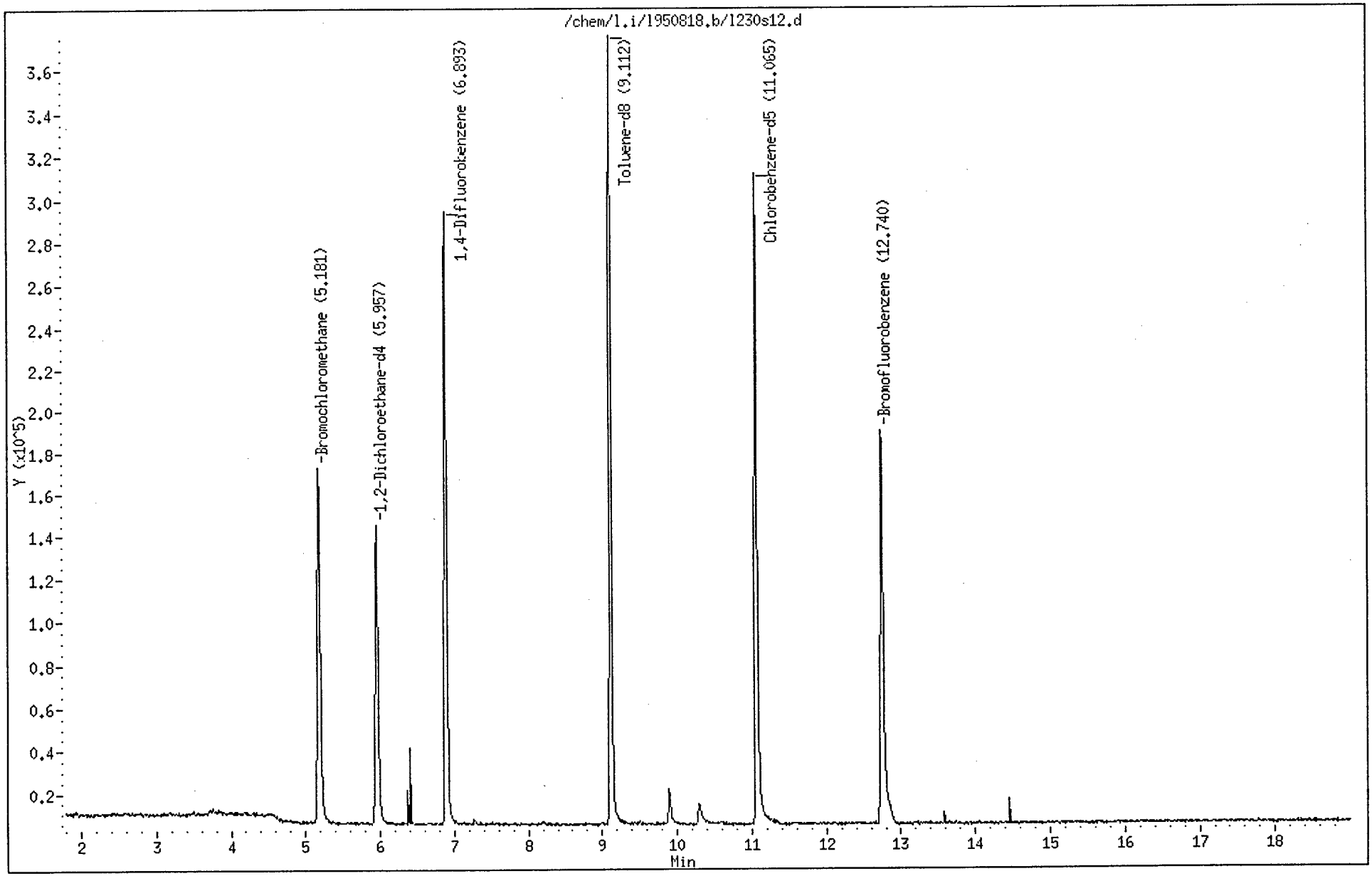
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.16
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.12
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230s12.d
Date : 18-AUG-1995 16:55
Client ID:
Sample Info: 9508655-05A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



```
Software Version: 3.2 <16C20>
Sample Name  : 9508655-05B                Time         : 08/28/95  21:55
Sample Number: SC ;W                      Study        : DROW
Operator     : SEG

Instrument   : HP_T                       Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/28/95  21:26
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__011.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__011.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.603	6194.88	1725.82	BV	5.0000e5	0.4539	191.8270		0.0124
2	2.693	2076.88	617.05	VV	5.0000e5	0.4539	191.8270		0.0042
3	2.760	2045.48	583.41	VV	5.0000e5	0.4539	191.8270		0.0041
4	2.841	5065.78	1282.07	VB	5.0000e5	0.4539	191.8270		0.0101
5	2.999	3007.00	742.92	BV	5.0000e5	0.4539	191.8270		0.0060
6	3.098	8683.00	1814.71	VV	5.0000e5	0.4539	191.8270		0.0174
7	3.281	10129.00	1854.22	VV	5.0000e5	0.4539	191.8270		0.0203
8	3.377	12431.00	2770.15	VV	5.0000e5	0.4539	191.8270		0.0249
9	3.479	21566.00	3883.68	VV	5.0000e5	0.4539	191.8270		0.0431
10	3.709	75211.00	16011.80	VV	4.9999e5	0.4539	191.8270		0.1504
11	3.816	20689.00	5393.06	VV	5.0000e5	0.4539	191.8270		0.0414
12	3.924	59934.00	6598.28	VV	5.0000e5	0.4539	191.8270		0.1199
13	4.139	43095.00	5052.49	VV	5.0000e5	0.4539	191.8270		0.0862
14	4.453	54221.00	6854.96	VV	5.0000e5	0.4539	191.8270		0.1084
15	4.623	25023.00	3717.29	VB	5.0000e5	0.4539	191.8270		0.0501
16	5.095	4482.00	1241.47	BV	5.0000e5	0.4539	191.8270		0.0090
17	5.214	1975.00	399.82	VB	5.0000e5	0.4539	191.8270		0.0040
18	5.442	5973.34	1171.81	BV	5.0000e5	0.4539	191.8270		0.0120
19	5.579	3249470.00	590612.88	VE	1970.0000	0.4539	191.8270	2-FLUOROBIPHENYL	1649.4772
20	6.438	329505.00	18431.74	EV	5.0000e5	0.4539	191.8270		0.6590
21	7.138	76717.75	3548.08	VV	5.0000e5	0.4539	191.8270		0.1534
22	7.698	27034.31	2027.17	VV	5.0000e5	0.4539	191.8270		0.0541
23	7.967	36065.38	1362.53	VV	1970.0000	0.4539	191.8270	Total Petroleum Hydr	18.3073
24	8.713	3821.25	427.23	VV	1970.0000	0.4539	191.8270	o-Terphenyl	1.9397
25	8.888	10420.53	1806.60	VV	5.0000e5	0.4539	191.8270		0.0208
26	9.017	6864.88	885.11	VB	5.0000e5	0.4539	191.8270		0.0137
27	9.706	108873.00	31102.45	BE	5.0000e5	0.4539	191.8270		0.2178
28	10.057	1505.00	262.43	EB	4.9999e5	0.4539	191.8270		0.0030
29	10.573	725.50	147.40	BB	5.0000e5	0.4539	191.8270		0.0015
31	12.480	572.00	325.10	BB	5.0000e5	0.4539	191.8270		0.0011
32	12.718	11770.00	3998.93	BB	5.0000e5	0.4539	191.8270		0.0235
33	12.884	1514.00	498.07	BB	5.0000e5	0.4539	191.8270		0.0030
		4226660.50	717150.75			14.5232	6138.4648		1671.5989

Group Report For : SURROGATES

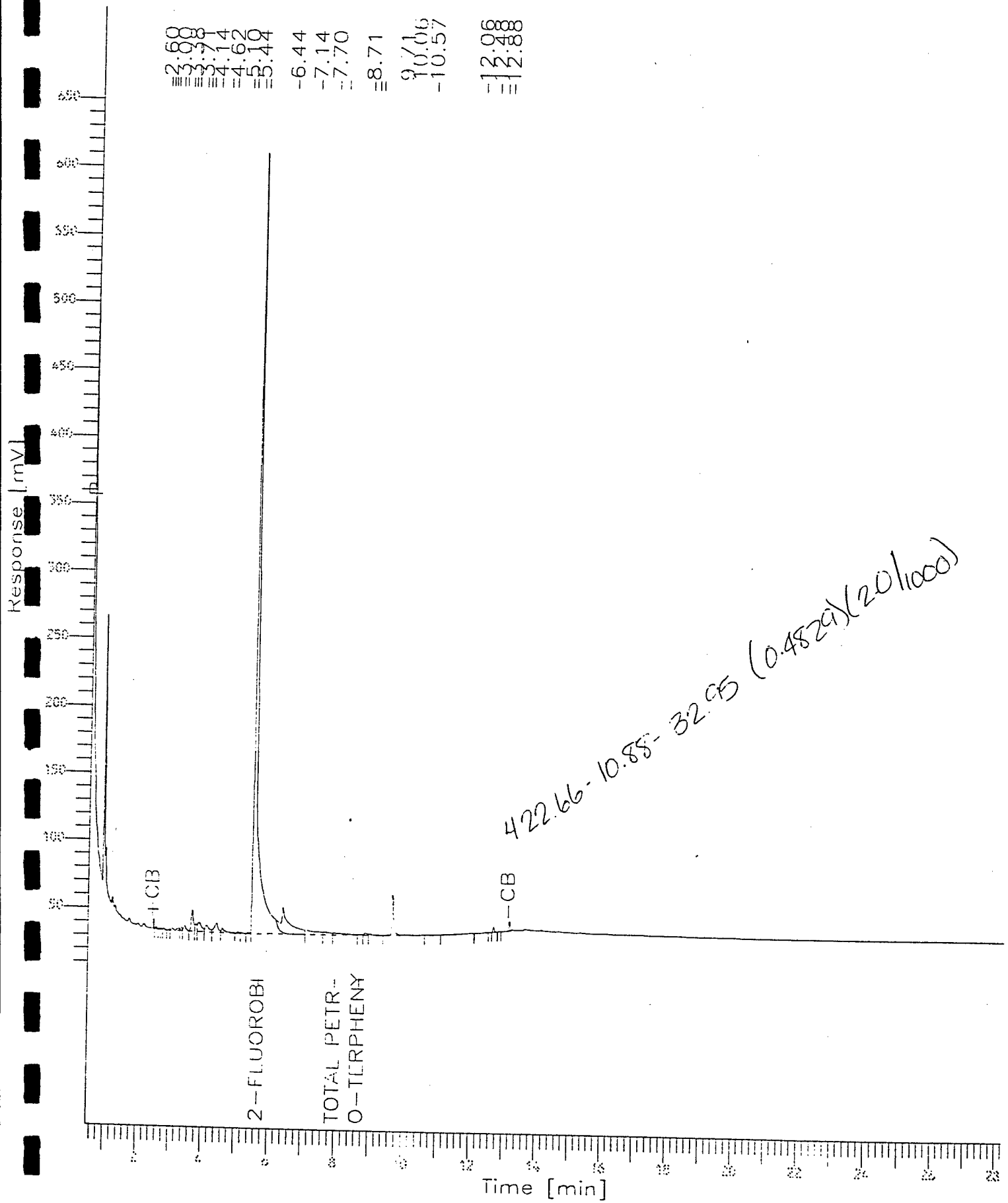
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.579	3249470.00	590612.88	BE	1970.0000	0.4539	147.6506	2-FLUOROBIPHENYL	1649.4772
3	8.713	3821.25	427.23	VV	1970.0000	0.4539	147.6506	o-Terphenyl	1.9397
		3253291.25	591040.13			0.9077	295.3013		1651.4169

END

Chromatogram

Sample Name : 9508655-05B
FileName : l:\data\tchrom\pest\hp_t\TT__011.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 2 mV

Sample #: SC ;W
Date : 08/28/95 21:55
Time of Injection: 08/28/95 21:26
Low Point : 1.64 mV High Point : 659.51 mV
Plot Scale: 658 mV



422.66 - 10.85 - 32.05 (0.4829)(20/1000)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-07

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/06/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 1315-193
MATRIX: WATER
DATE SAMPLED: 08/17/95
DATE RECEIVED: 08/17/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508655-07

Operational Tech

SAMPLE ID: Trip Blank

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	100	76	114
Toluene-d8	50 ug/L	102	88	110
4-Bromofluorobenzene	50 ug/L	94	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 17:22:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s13.d
Lab Smp Id: 9508655-07A
Inj Date : 18-AUG-1995 17:22
Operator : JC Inst ID: l.i
Smp Info : 9508655-07A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 19
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 23 Bromochloromethane	128.00	5.180	5.189	(1.000)	60220	250	
* 32 1,4-Difluorobenzene	114.00	6.892	6.901	(1.000)	257717	250	
* 50 Chlorobenzene-d5	117.00	11.064	11.064	(1.000)	221691	250	
$ 26 1,2-Dichloroethane-d4	102.00	5.956	5.965	(1.150)	22430	250	50
$ 43 Toluene-d8	98.00	9.120	9.120	(0.824)	301904	260	51
$ 61 Bromofluorobenzene	95.00	12.739	12.740	(1.151)	97795	230	47

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s13.d
Lab Smp Id: 9508655-07A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	60220	-14.72
32 1,4-Difluorobenzene	343192	171596	686384	257717	-24.91
50 Chlorobenzene-d5	272188	136094	544376	221691	-18.55

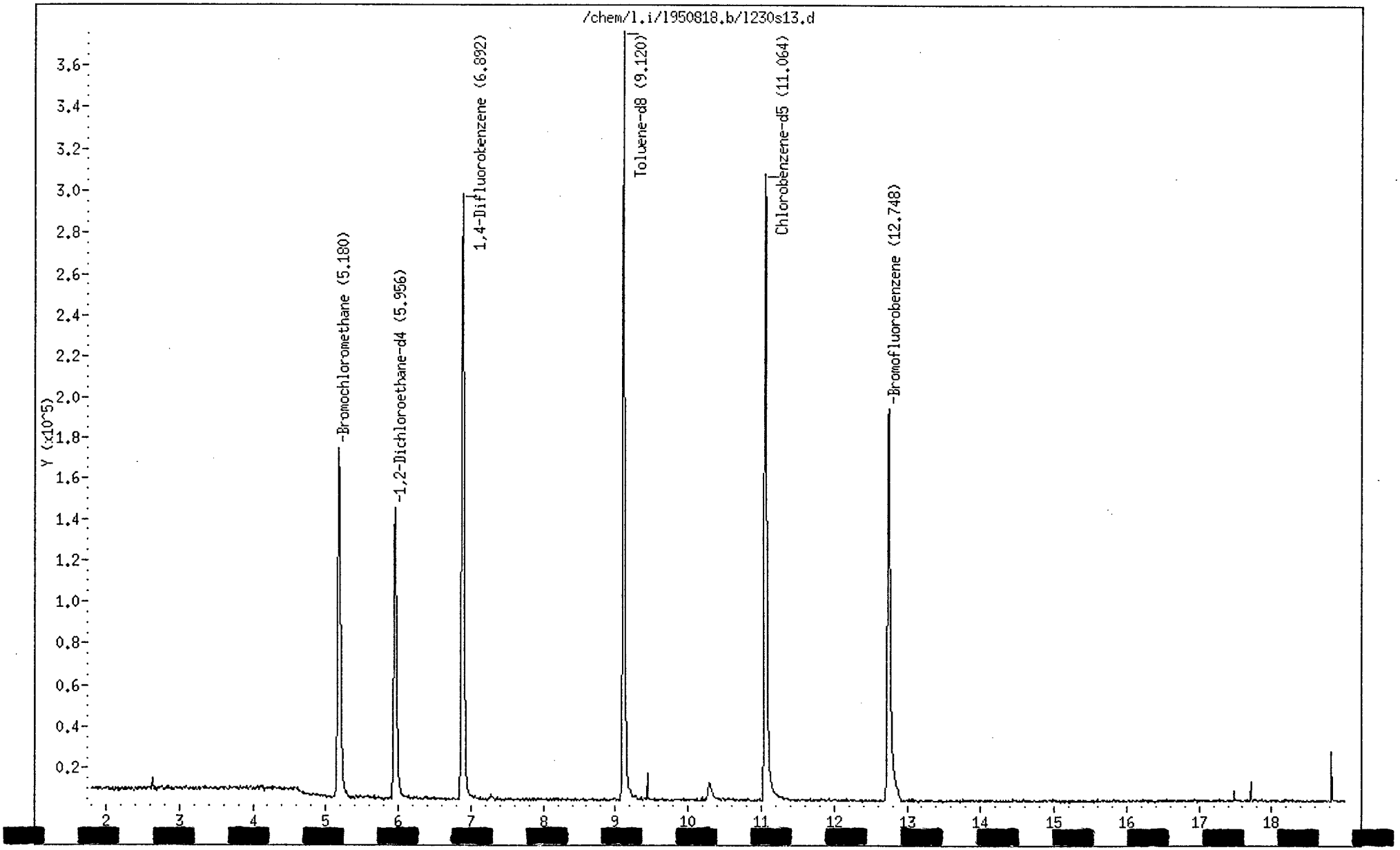
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.17
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.89	-0.13
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950818.b/1230s13.d
Date : 18-AUG-1995 17:22
Client ID:
Sample Info: 9508655-07A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



QUALITY CONTROL

DOCUMENTATION

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: SPL Case No.: 9508655 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 801-001MW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	54	108	61-145
Trichloroethene	50	0	52	104	71-120
Benzene	50	0	50	100	76-127
Toluene	50	0	51	102	76-125
Chlorobenzene	50	0	52	104	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	49	98	10	14	61-145
Trichloroethene	50	49	98	6	14	71-120
Benzene	50	48	96	4	11	76-127
Toluene	50	49	98	4	13	76-125
Chlorobenzene	50	49	98	6	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

Idelis Williams, QC Office

SPL Blank QC Report

Matrix: Aqueous
Sample ID: VLBLK
Batch: L950818104642

Reported on: 08/21/95 16:59
Analyzed on: 08/18/95 09:40
Analyst: JC

METHOD 8240/624 L230B01

Compound	Result	Detection Limit	Units
Chloromethane	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Bromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Trichlorofluoromethane	ND	5	ug/L
Acetone	ND	100	ug/L
1,1-Dichloroethene	ND	5	ug/L
Methylene Chloride	ND	5	ug/L
Carbon Disulfide	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,2-Dichloroethene (total)	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
2-Butanone	ND	20	ug/L
Chloroform	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
2-Chloroethylvinylether	ND	10	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Xylene (Total)	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
Bromoform	ND	5	ug/L

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

Matrix: Aqueous
Sample ID: VLBLK
Batch: L950818104642

Reported on: 08/21/95 16:59
Analyzed on: 08/18/95 09:40
Analyst: JC

METHOD 8240/624 L230B01

Compound	Result	Detection Limit	Units
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L

Surrogate	Result	QC Criteria	Units
1,2-Dichloroethane-d4	102	76-114	% Recovery
Toluene-d8	101	88-110	% Recovery
Bromofluorobenzene	87	86-115	% Recovery

Samples in Batch 9508655-01 9508655-02 9508655-03 9508655-04 9508655-05 9508655-06 9508655-07

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT ** PAGE

Wisconsin DNR Modified DRO

Matrix: Aqueous
Units: mg/L

Batch Id: HPTT950828070600

BLANK SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(**) (Advisory) RPD Max.	QC Limits(**) (Advisory) Recovery Range
DIESEL RANGE ORGANICS	ND	5.0	1.85	36.4	2.75	54.4	39.6	43	20 - 177

Analyst: SEG
Sequence Date: 08/22/95
Method Blank File ID:
Sample File ID:
Blank Spike File ID: T___472.TX0
Matrix Spike File ID:
Matrix Spike Duplicate File ID:

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9508655-02B 9508655-03B 9508655-04B 9508655-05B 9508655-06B 9508655-01B

Cynthia Schreiner, QC Officer

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230b01.d
Lab Smp Id: VLBLK
Inj Date : 18-AUG-1995 09:40
Operator : JC Inst ID: l.i
Smp Info : VLBLK-8240W/1X
Misc Info : L230W1//L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 18-Aug-1995 10:53 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 23 Bromochloromethane	128.00	5.193	5.189	(1.000)	66893	250	
26 1,2-Dichloroethane-d4	102.00	5.968	5.965	(1.149)	25426	250	51
* 32 1,4-Difluorobenzene	114.00	6.904	6.901	(1.000)	326871	250	
$ 43 Toluene-d8	98.00	9.124	9.120	(0.824)	343672	250	51
* 50 Chlorobenzene-d5	117.00	11.067	11.064	(1.000)	254159	250	
$ 61 Bromofluorobenzene	95.00	12.743	12.740	(1.151)	105010	220	44

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230b01.d
Lab Smp Id: VLBLK
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1//L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

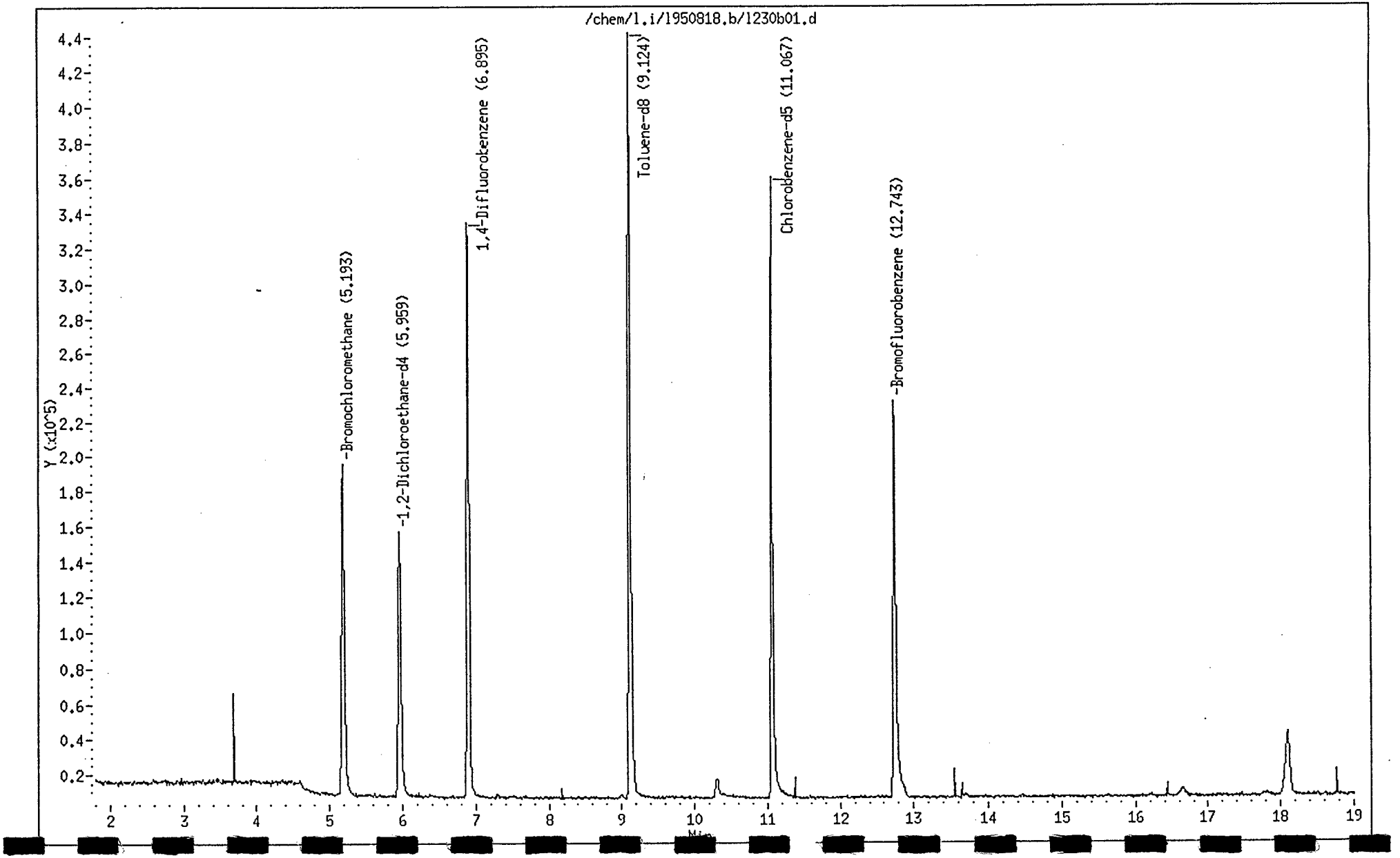
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	66893	-5.27
32 1,4-Difluorobenzene	343192	171596	686384	326871	-4.76
50 Chlorobenzene-d5	272188	136094	544376	254159	-6.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.06
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.04
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230b01.d
Date : 18-AUG-95 09:40
Client ID:
Sample Info: VLBLK-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i
Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

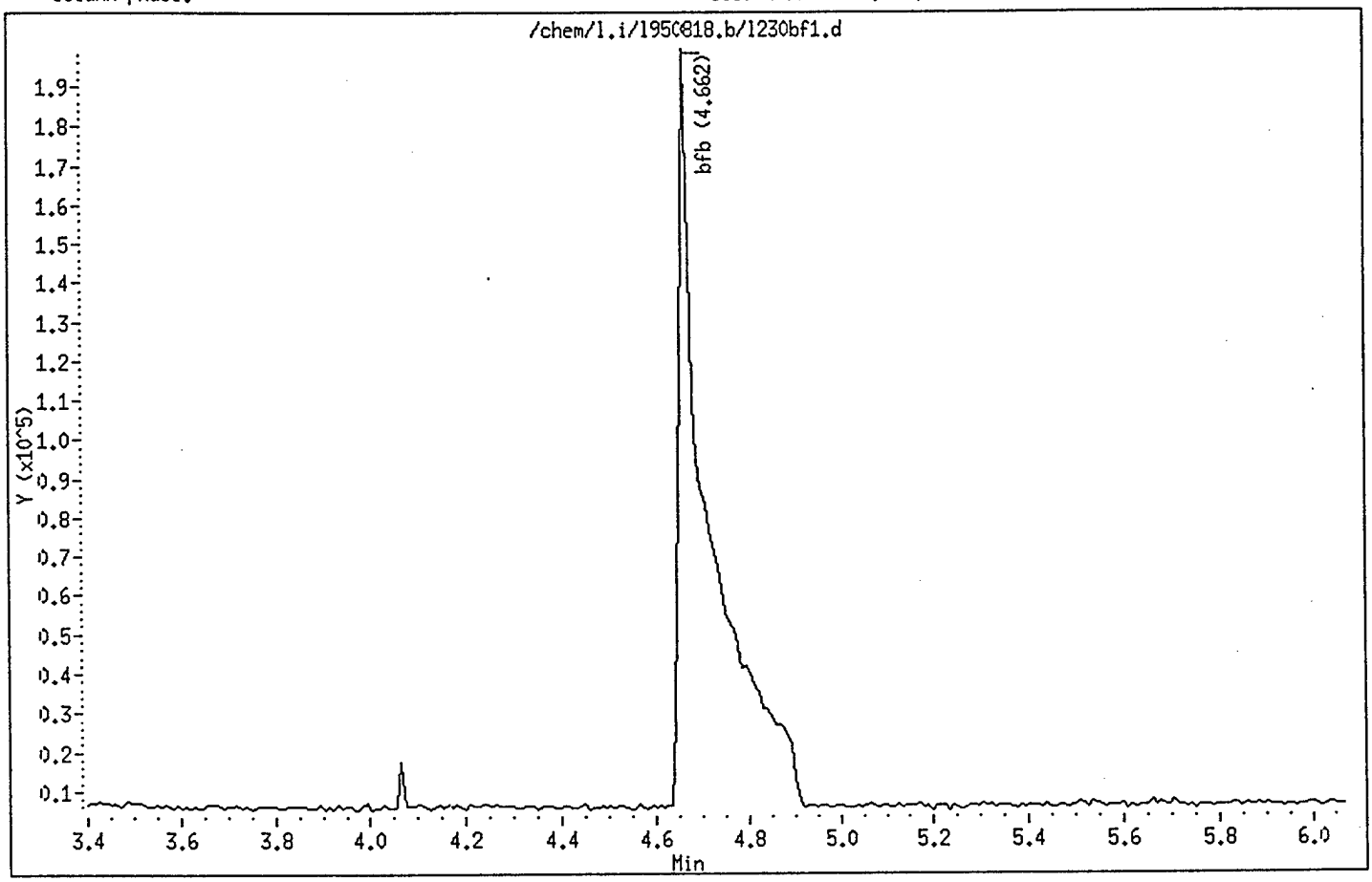
Instrument: l.i

Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25



Data File: /chem/l.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

Instrument: l.i

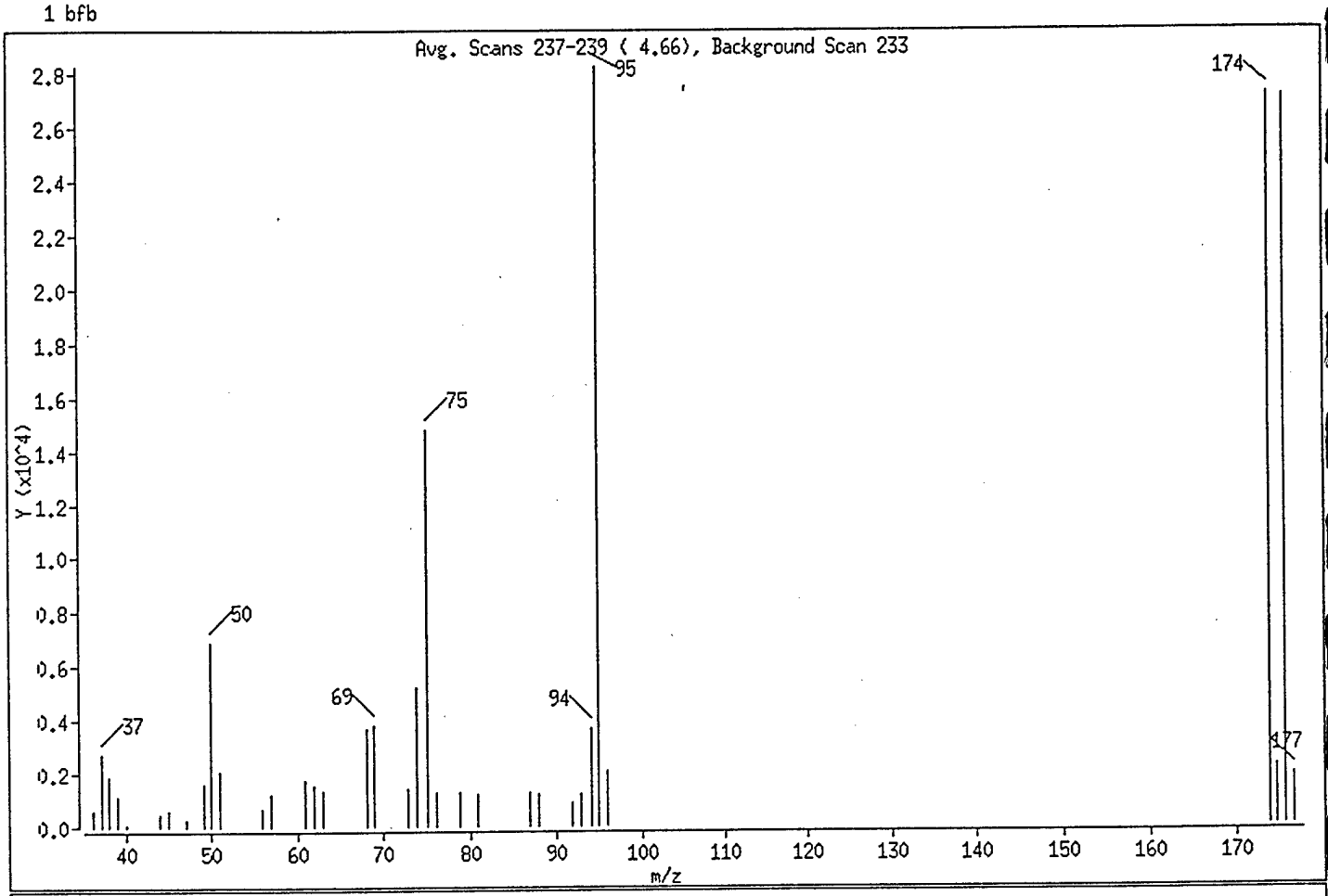
Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.32
75	30.00 - 60.00% of mass 95	52.29
96	5.00 - 9.00% of mass 95	7.24
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	96.31
175	5.00 - 9.00% of mass 174	7.88 (8.18)
176	95.00 - 101.00% of mass 174	95.98 (99.65)
177	5.00 - 9.00% of mass 176	6.63 (6.91)

Data File: /chem/1.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

Instrument: 1.i

Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25

Data File: 1230bf1.d
Spectrum : Avg. Scans 237-239 (4.66), Background Scan 233
Largest m/z: 94.95
Number of peaks: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	628	49.90	6880	72.90	1435	92.90	1212
37.05	2730	50.90	2105	73.95	5194	94.05	3661
37.95	1881	55.95	697	75.05	14791	94.95	28288
39.05	1132	56.95	1204	76.05	1275	95.95	2047
39.95	87	60.95	1740	78.85	1277	173.95	27240
44.00	439	61.95	1554	80.85	1209	174.95	2229
45.00	588	62.95	1335	86.90	1251	175.85	27144
47.00	284	68.00	3709	88.00	1225	176.95	1875
49.00	1604	69.00	3807	91.90	886		

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-1995 15:45
End Cal Date : 17-AUG-1995 17:36
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/l.i/l950818.b/lvoclpw.m
Cal Date : 24-Aug-1995 11:08 jimmy
Curve Type : Average

Calibration File Names:
Level 1: /chem/l.i/l950817.b/l229iw1.d
Level 2: /chem/l.i/l950817.b/l229iw2.d
Level 3: /chem/l.i/l950817.b/l229iw3.d
Level 4: /chem/l.i/l950817.b/l229iw4.d
Level 5: /chem/l.i/l950817.b/l229iw5.d

	Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	RRF	% RSD
	1 Chloromethane	2.58976	2.59404	2.60486	2.48539	2.42595	2.54000	3.149
	2 Vinyl Chloride	2.32371	2.22549	2.10314	1.89447	1.65235	2.03983	13.208
	3 Bromomethane	1.43322	1.37161	1.39258	1.37236	1.33533	1.38102	2.588
	4 Chloroethane	1.09973	1.24271	1.29247	1.26887	1.24596	1.22995	6.138
	7 Trichlorofluoromethane	1.45565	1.56390	1.72919	1.72613	1.80039	1.65505	8.531
	8 Acetone	0.19817	0.21681	0.31211	0.32047	0.32940	0.27539	22.744
	11 1,1-Dichloroethene	1.35792	1.35171	1.34070	1.32523	1.36071	1.34725	1.077
	13 Methylene Chloride	1.75513	1.69217	1.68887	1.66888	1.67948	1.69691	1.991
	14 Carbon Disulfide	5.00269	5.33905	5.54382	5.59681	5.73380	5.44324	5.221
	15 trans-1,2-Dichloroethene	1.26229	1.27753	1.33454	1.41434	1.43916	1.34557	5.896
	17 1,1-Dichloroethane	2.97227	3.01546	3.11019	3.12283	3.09974	3.06410	2.167
M	18 1,2-Dichloroethene (total)	1.53391	1.55615	1.60368	1.66283	1.68359	1.60803	4.044
	19 Vinyl Acetate	4.02197	3.63241	3.37175	3.50313	3.55721	3.61729	6.785
	20 2-Butanone	1.64130	1.21697	2.01546	1.94655	1.90298	1.74465	18.756
	21 cis-1,2-Dichloroethene	1.80553	1.83477	1.87282	1.91133	1.92802	1.87049	2.736
	24 Chloroform	3.06498	3.16947	3.19551	3.20354	3.22174	3.17105	1.962
	27 1,1,1-Trichloroethane	0.39815	0.42300	0.42748	0.43255	0.44517	0.42527	4.064
	28 1,2-Dichloroethane	2.73149	2.73693	2.90328	2.88474	2.90167	2.83162	3.152
	30 Benzene	1.37895	1.41839	1.42282	1.43975	1.43831	1.41964	1.733
	31 Carbon Tetrachloride	0.31685	0.34182	0.35615	0.36321	0.37546	0.35070	6.414
	34 1,2-Dichloropropane	0.38944	0.40349	0.40376	0.40340	0.41040	0.40210	1.909
	35 Trichloroethene	0.31571	0.34304	0.34183	0.34398	0.35455	0.33982	4.239
	37 Bromodichloromethane	0.38479	0.39540	0.42178	0.43154	0.44311	0.41533	5.905
	39 2-Chloroethylvinylether	0.16006	0.17410	0.19119	0.20229	0.21836	0.18920	12.118
	40 4-Methyl-2-Pentanone	0.41505	0.41347	0.62789	0.64558	0.64377	0.54915	22.459
	41 cis-1,3-Dichloropropene	0.46569	0.48998	0.51654	0.53100	0.54373	0.50939	6.195
	42 trans-1,3-Dichloropropene	0.37080	0.41914	0.44976	0.46858	0.48825	0.43931	10.469

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-1995 15:45
End Cal Date : 17-AUG-1995 17:36
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/l.i/l950818.b/lvoclpw.m
Cal Date : 24-Aug-1995 11:08 jimmy
Curve Type : Average

	Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	RRF	% RSD
	44 Toluene	0.83825	0.91018	0.92054	0.91663	0.91599	0.90032	3.875
	45 1,1,2-Trichloroethane	0.24779	0.26608	0.27708	0.27030	0.27117	0.26649	4.188
	46 2-Hexanone	0.24852	0.28198	0.64799	0.72091	0.73594	0.52707	45.839
	47 Dibromochloromethane	0.25908	0.28586	0.30160	0.32022	0.33523	0.30040	9.883
	49 Tetrachloroethene	0.33952	0.34315	0.33703	0.34178	0.34090	0.34047	0.686
	52 Chlorobenzene	0.87830	0.94161	0.95289	0.95207	0.97105	0.93918	3.795
M	53 Xylene (Total)	0.51502	0.54866	0.56793	0.57601	0.58107	0.55774	4.819
	54 Ethylbenzene	0.43081	0.45459	0.45721	0.47054	0.47719	0.45807	3.901
	55 m,p-Xylene(s)	0.51977	0.54721	0.57241	0.57867	0.58208	0.56002	4.701
	56 Bromoform	0.21022	0.23770	0.26252	0.28799	0.30770	0.26123	14.867
	57 Styrene	0.74531	0.82995	0.91854	0.92004	0.95260	0.87329	9.713
	59 o-Xylene	0.50554	0.55156	0.55899	0.57069	0.57905	0.55317	5.178
	60 1,1,2,2-Tetrachloroethane	0.44249	0.46092	0.48029	0.47858	0.49578	0.47161	4.333
$	26 1,2-Dichloroethane-d4	0.38141	0.39325	0.39665	0.40397	0.40509	0.39608	2.418
$	43 Toluene-d8	1.23570	1.27871	1.30306	1.30976	1.31941	1.28933	2.601
$	61 Bromofluorobenzene	0.40634	0.42926	0.45450	0.47396	0.48895	0.45060	7.399

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw1.d
Lab Smp Id: VSTD010
Inj Date : 17-AUG-1995 15:45
Operator : JC Inst ID: l.i
Smp Info : VSTD010-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 15:45 Cal File: l229iw1.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Chloromethane	50.00	1.739	1.739	(0.336)	35559	50	50
	2 Vinyl Chloride	62.00	1.855	1.855	(0.358)	31906	50	50
	3 Bromomethane	94.00	2.087	2.087	(0.403)	19679	50	50
	4 Chloroethane	64.00	2.167	2.167	(0.418)	15100	50	50
	7 Trichlorofluoromethane	101.00	2.586	2.586	(0.499)	19987	50	50 (M)
	8 Acetone	58.00	2.577	2.577	(0.498)	2721	50	50 (M)
	11 1,1-Dichloroethene	96.00	2.996	2.996	(0.578)	18645	50	50 (M)
	13 Methylene Chloride	84.00	3.219	3.219	(0.621)	24099	50	50
M	18 1,2-Dichloroethene (total)	96.00				42123	100	100
	14 Carbon Disulfide	76.00	3.353	3.353	(0.647)	68690	50	50
	15 trans-1,2-Dichloroethene	96.00	3.781	3.781	(0.730)	17332	50	50
	17 1,1-Dichloroethane	63.00	4.119	4.119	(0.795)	40811	50	50
	19 Vinyl Acetate	43.00	4.217	4.217	(0.814)	55224	50	50
	20 2-Butanone	43.00	4.592	4.592	(0.886)	22536	50	50
	21 cis-1,2-Dichloroethene	96.00	4.921	4.921	(0.950)	24791	50	50
	24 Chloroform	83.00	5.198	5.198	(1.003)	42084	50	50
	27 1,1,1-Trichloroethane	97.00	5.991	5.991	(0.869)	28713	50	50
	28 1,2-Dichloroethane	62.00	6.071	6.071	(1.172)	37505	50	50
	30 Benzene	78.00	6.428	6.428	(0.933)	99445	50	50
	31 Carbon Tetrachloride	117.00	6.455	6.455	(0.937)	22850	50	50
	34 1,2-Dichloropropane	63.00	7.417	7.417	(1.076)	28085	50	50
	35 Trichloroethene	130.00	7.453	7.453	(1.081)	22768	50	50
	37 Bromodichloromethane	83.00	7.640	7.640	(1.109)	27750	50	50
	39 2-Chloroethylvinylether	63.00	8.246	8.246	(1.197)	11543	50	50
	40 4-Methyl-2-Pentanone	43.00	8.478	8.478	(1.230)	29932	50	50
	41 cis-1,3-Dichloropropene	75.00	8.505	8.505	(1.234)	33584	50	50
	42 trans-1,3-Dichloropropene	75.00	9.138	9.138	(1.326)	26741	50	50
	44 Toluene	92.00	9.218	9.218	(0.833)	47411	50	50
	45 1,1,2-Trichloroethane	83.00	9.298	9.298	(1.349)	17870	50	50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
46	2-Hexanone	43.00	9.690	9.690	(0.875)	17559	50	50	(M)
47	Dibromochloromethane	129.00	9.931	9.931	(1.441)	18684	50	50	
49	Tetrachloroethene	164.00	10.270	10.270	(0.928)	19203	50	50	
52	Chlorobenzene	112.00	11.117	11.117	(1.004)	49676	50	50	
53	Xylene (Total)	106.00				87388	150	150	
54	Ethylbenzene	106.00	11.420	11.420	(1.031)	24366	50	50	
55	m,p-Xylene(s)	106.00	11.589	11.589	(1.047)	58795	100	100	
56	Bromoform	173.00	11.999	11.999	(1.084)	11890	50	50	
57	Styrene	104.00	12.053	12.053	(1.089)	42154	50	50	
59	o-Xylene	106.00	12.106	12.106	(1.093)	28593	50	50	
60	1,1,2,2-Tetrachloroethane	83.00	12.454	12.454	(1.125)	25027	50	50	
23	Bromochloromethane	128.00	5.180	5.180	(1.000)	68653	250		
* 32	1,4-Difluorobenzene	114.00	6.891	6.891	(1.000)	360582	250		
50	Chlorobenzene-d5	117.00	11.072	11.072	(1.000)	282796	250		
26	1,2-Dichloroethane-d4	102.00	5.964	5.964	(1.151)	5237	50	50	
$ 43	Toluene-d8	98.00	9.120	9.120	(0.824)	69890	50	50	
61	Bromofluorobenzene	95.00	12.748	12.748	(1.151)	22982	50	50	

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw1.d
Lab Smp Id: VSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	68653	3.88
32 1,4-Difluorobenzene	340174	170087	680348	360582	6.00
50 Chlorobenzene-d5	276497	138248	552994	282796	2.28

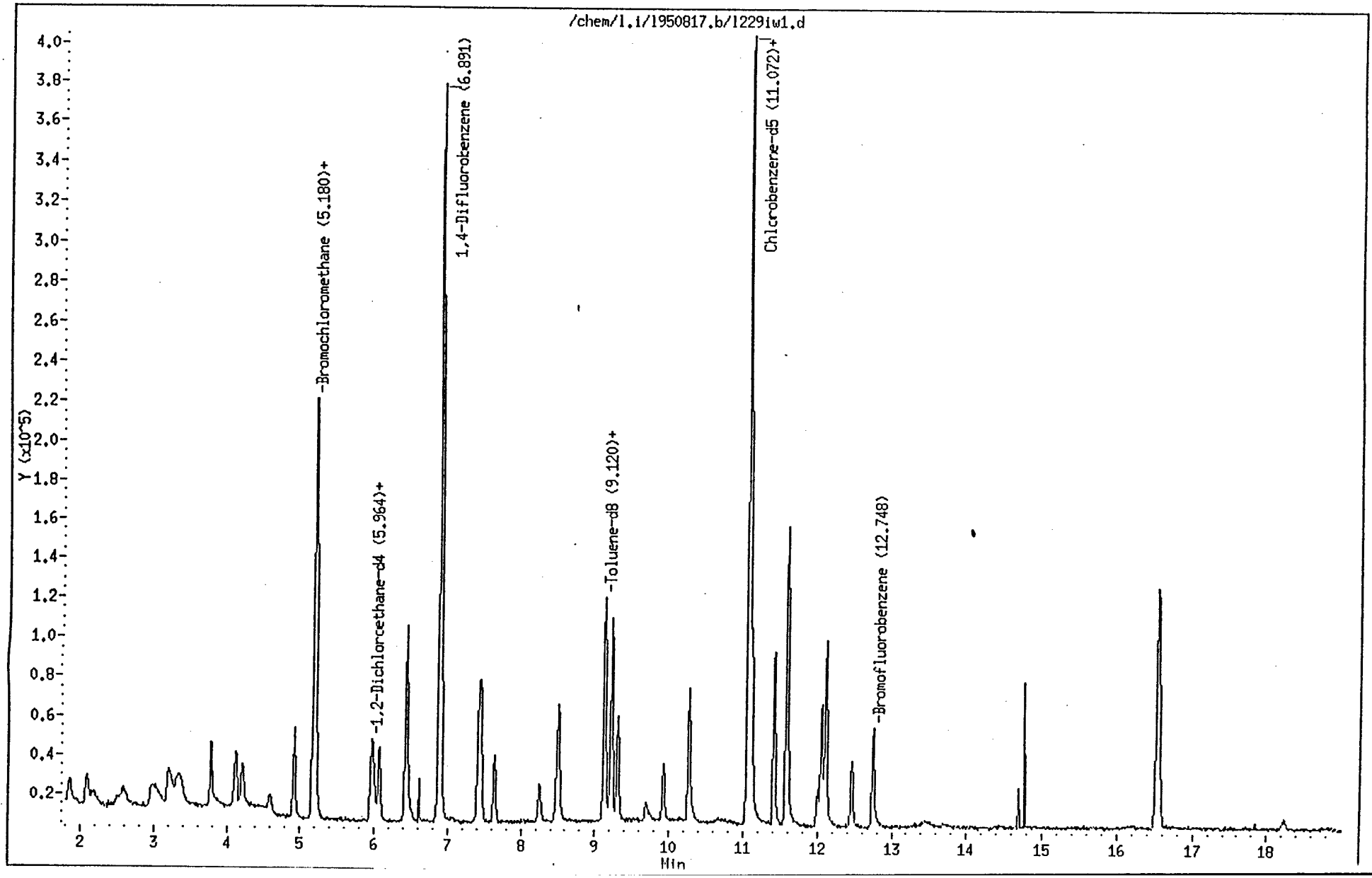
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.24
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	-0.05
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw1.d
Date : 17-AUG-1995 15:45
Client ID:
Sample Info: VSTD010-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw2.d
Lab Smp Id: VSTD020
Inj Date : 17-AUG-1995 16:13
Operator : JC
Inst ID: l.i
Smp Info : VSTD020-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy
Quant Type: ISTD
Cal Date : 17-AUG-1995 16:13
Cal File: l229iw2.d
Als bottle: 3
Calibration Sample, Level: 2
Dil Factor: 1.000
Integrator: HP RTE
Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Chloromethane	50.00	1.752	1.752	(0.337)	69730	100	100
	2 Vinyl Chloride	62.00	1.859	1.859	(0.358)	59823	100	98
	3 Bromomethane	94.00	2.091	2.091	(0.403)	36870	100	98
	4 Chloroethane	64.00	2.180	2.180	(0.420)	33405	100	110
	7 Trichlorofluoromethane	101.00	2.572	2.572	(0.495)	42039	100	100(M)
	8 Acetone	58.00	2.590	2.590	(0.499)	5828	100	100(M)
	11 1,1-Dichloroethene	96.00	3.036	3.036	(0.585)	36335	100	100(M)
	13 Methylene Chloride	84.00	3.223	3.223	(0.621)	45487	100	98
M	18 1,2-Dichloroethene (total)	96.00				83661	200	200
	14 Carbon Disulfide	76.00	3.366	3.366	(0.648)	143518	100	100
	15 trans-1,2-Dichloroethene	96.00	3.802	3.802	(0.732)	34341	100	100
	17 1,1-Dichloroethane	63.00	4.132	4.132	(0.796)	81058	100	100
	19 Vinyl Acetate	43.00	4.230	4.230	(0.815)	97642	100	95
	20 2-Butanone	43.00	4.605	4.605	(0.887)	32713	100	85
	21 cis-1,2-Dichloroethene	96.00	4.934	4.934	(0.950)	49320	100	100
	24 Chloroform	83.00	5.211	5.211	(1.003)	85198	100	100
	27 1,1,1-Trichloroethane	97.00	5.995	5.995	(0.868)	58150	100	100
	28 1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	73571	100	100
	30 Benzene	78.00	6.441	6.441	(0.933)	194988	100	100
	31 Carbon Tetrachloride	117.00	6.468	6.468	(0.937)	46991	100	100
	34 1,2-Dichloropropane	63.00	7.430	7.430	(1.076)	55468	100	100
	35 Trichloroethene	130.00	7.457	7.457	(1.080)	47158	100	100
	37 Bromodichloromethane	83.00	7.644	7.644	(1.107)	54356	100	100
	39 2-Chloroethylvinylether	63.00	8.250	8.250	(1.195)	23934	100	100
	40 4-Methyl-2-Pentanone	43.00	8.482	8.482	(1.228)	56840	100	100
	41 cis-1,3-Dichloropropene	75.00	8.509	8.509	(1.232)	67359	100	100
	42 trans-1,3-Dichloropropene	75.00	9.142	9.142	(1.324)	57620	100	110
	44 Toluene	92.00	9.222	9.222	(0.833)	100757	100	100
	45 1,1,2-Trichloroethane	83.00	9.302	9.302	(1.347)	36579	100	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
46	2-Hexanone	43.00	9.686	9.686	(0.874)	31215	100	95
47	Dibromochloromethane	129.00	9.935	9.935	(1.439)	39298	100	100
49	Tetrachloroethene	164.00	10.274	10.274	(0.928)	37987	100	100
52	Chlorobenzene	112.00	11.121	11.121	(1.004)	104237	100	100
53	Xylene (Total)	106.00				182210	300	310
54	Ethylbenzene	106.00	11.424	11.424	(1.031)	50323	100	100
55	m,p-Xylene(s)	106.00	11.584	11.584	(1.046)	121152	200	200
56	Bromoform	173.00	12.003	12.003	(1.084)	26313	100	110
57	Styrene	104.00	12.048	12.048	(1.088)	91876	100	100
59	o-Xylene	106.00	12.110	12.110	(1.093)	61058	100	100
60	1,1,2,2-Tetrachloroethane	83.00	12.458	12.458	(1.125)	51024	100	100
23	Bromochloromethane	128.00	5.193	5.193	(1.000)	67202	250	
* 32	1,4-Difluorobenzene	114.00	6.904	6.904	(1.000)	343679	250	
50	Chlorobenzene-d5	117.00	11.076	11.076	(1.000)	276751	250	
26	1,2-Dichloroethane-d4	102.00	5.968	5.968	(1.149)	10571	100	100
$ 43	Toluene-d8	98.00	9.124	9.124	(0.824)	141554	100	100
$ 61	Bromofluorobenzene	95.00	12.743	12.743	(1.150)	47519	100	100

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw2.d
Lab Smp Id: VSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	67202	1.69
32 1,4-Difluorobenzene	340174	170087	680348	343679	1.03
50 Chlorobenzene-d5	276497	138248	552994	276751	0.09

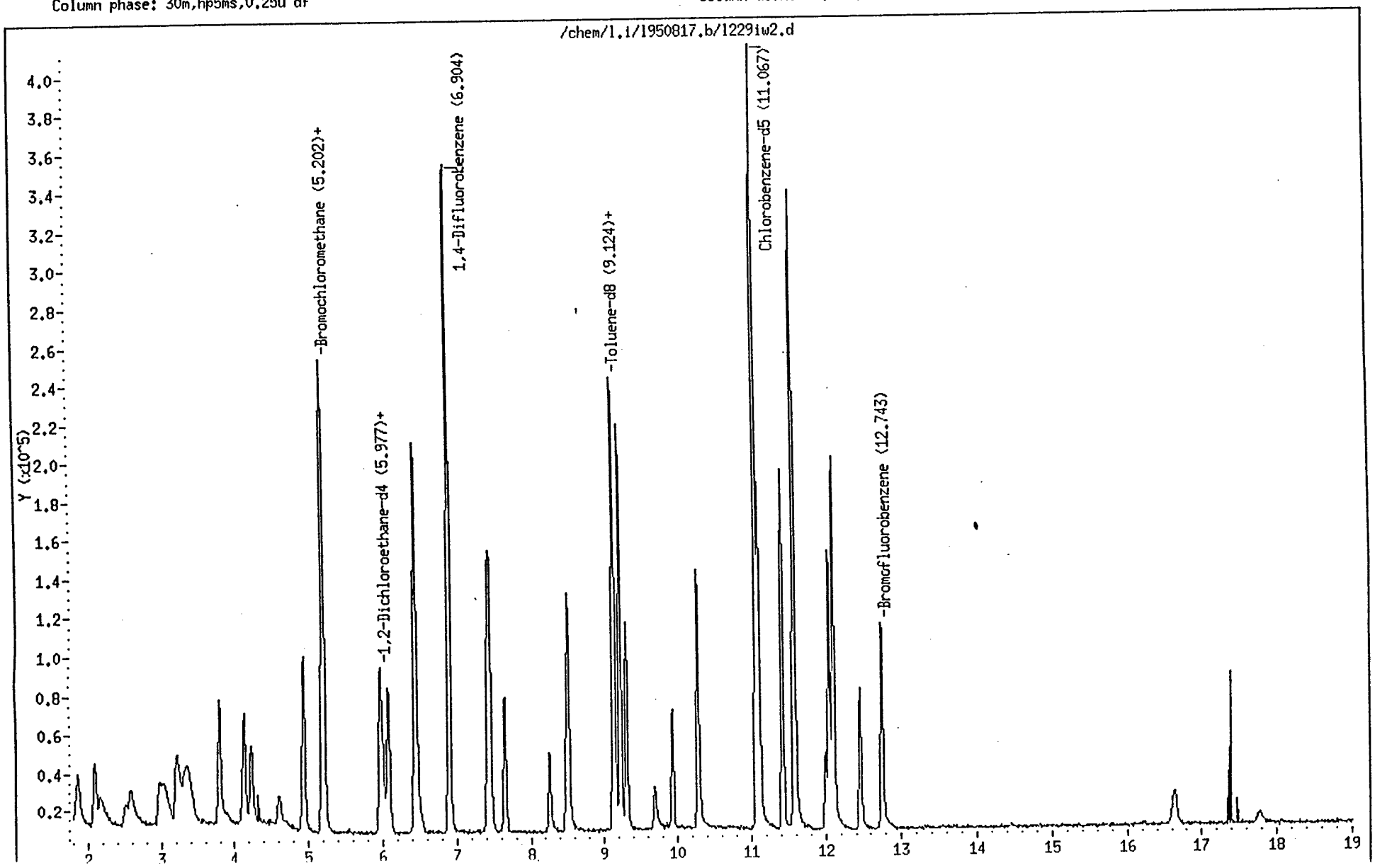
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.01
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.14
50 Chlorobenzene-d5	11.07	10.57	11.57	11.08	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950817.b/1229iw2.d
Date : 17-AUG-1995 16:13
Client ID:
Sample Info: VSTD020-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw3.d
Lab Smp Id: VSTD050
Inj Date : 17-AUG-1995 16:41
Operator : JC Inst ID: l.i
Smp Info : VSTD050-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 16:41 Cal File: l229iw3.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Chloromethane	50.00	1.751	1.751	(0.337)	172150	250	250
	2 Vinyl Chloride	62.00	1.858	1.858	(0.358)	138992	250	240
	3 Bromomethane	94.00	2.090	2.090	(0.403)	92033	250	250
	4 Chloroethane	64.00	2.162	2.162	(0.416)	85417	250	270
	7 Trichlorofluoromethane	101.00	2.563	2.563	(0.494)	114279	250	270 (M)
	8 Acetone	58.00	2.580	2.580	(0.497)	20627	250	320
	11 1,1-Dichloroethene	96.00	2.973	2.973	(0.573)	88604	250	250 (M)
	13 Methylene Chloride	84.00	3.213	3.213	(0.619)	111614	250	250
M	18 1,2-Dichloroethene (total)	96.00				211968	500	510
	14 Carbon Disulfide	76.00	3.356	3.356	(0.646)	366380	250	260
	15 trans-1,2-Dichloroethene	96.00	3.784	3.784	(0.729)	88197	250	260
	17 1,1-Dichloroethane	63.00	4.123	4.123	(0.794)	205546	250	260
	19 Vinyl Acetate	43.00	4.221	4.221	(0.813)	222832	250	230
	20 2-Butanone	43.00	4.586	4.586	(0.883)	133198	250	310
	21 cis-1,2-Dichloroethene	96.00	4.925	4.925	(0.948)	123771	250	250
	24 Chloroform	83.00	5.201	5.201	(1.002)	211185	250	250
	27 1,1,1-Trichloroethane	97.00	5.995	5.995	(0.869)	145417	250	260
	28 1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	191872	250	260
	30 Benzene	78.00	6.440	6.440	(0.934)	484006	250	250
	31 Carbon Tetrachloride	117.00	6.458	6.458	(0.937)	121153	250	260
	34 1,2-Dichloropropane	63.00	7.421	7.421	(1.076)	137350	250	250
	35 Trichloroethene	130.00	7.456	7.456	(1.081)	116283	250	260
	37 Bromodichloromethane	83.00	7.644	7.644	(1.109)	143478	250	260
	39 2-Chloroethylvinylether	63.00	8.250	8.250	(1.196)	65039	250	270
	40 4-Methyl-2-Pentanone	43.00	8.481	8.481	(1.230)	213591	250	320
	41 cis-1,3-Dichloropropene	75.00	8.508	8.508	(1.234)	175712	250	260
	42 trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.326)	152995	250	270
	44 Toluene	92.00	9.221	9.221	(0.833)	254526	250	260
	45 1,1,2-Trichloroethane	83.00	9.302	9.302	(1.349)	94254	250	260

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.685	9.685	(0.875)	179166	250	390
	47 Dibromochloromethane	129.00	9.934	9.934	(1.441)	102598	250	270
	49 Tetrachloroethene	164.00	10.273	10.273	(0.928)	93187	250	250
	52 Chlorobenzene	112.00	11.120	11.120	(1.005)	263472	250	260
	53 Xylene (Total)	106.00				471096	750	780
	54 Ethylbenzene	106.00	11.414	11.414	(1.031)	126416	250	260
	55 m,p-Xylene(s)	106.00	11.584	11.584	(1.047)	316537	500	520
	56 Bromoform	173.00	12.002	12.002	(1.085)	72587	250	280
	57 Styrene	104.00	12.047	12.047	(1.089)	253974	250	280
	59 o-Xylene	106.00	12.109	12.109	(1.094)	154559	250	260
	60 1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.126)	132799	250	260
	23 Bromochloromethane	128.00	5.192	5.192	(1.000)	66088	250	
*	32 1,4-Difluorobenzene	114.00	6.895	6.895	(1.000)	340174	250	
	50 Chlorobenzene-d5	117.00	11.067	11.067	(1.000)	276497	250	
	26 1,2-Dichloroethane-d4	102.00	5.959	5.959	(1.148)	26214	250	250
$	43 Toluene-d8	98.00	9.123	9.123	(0.824)	360293	250	260
$	61 Bromofluorobenzene	95.00	12.742	12.742	(1.151)	125668	250	260

QC Flag Legend

- Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw3.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	66088	0.00
32 1,4-Difluorobenzene	340174	170087	680348	340174	0.00
50 Chlorobenzene-d5	276497	138248	552994	276497	0.00

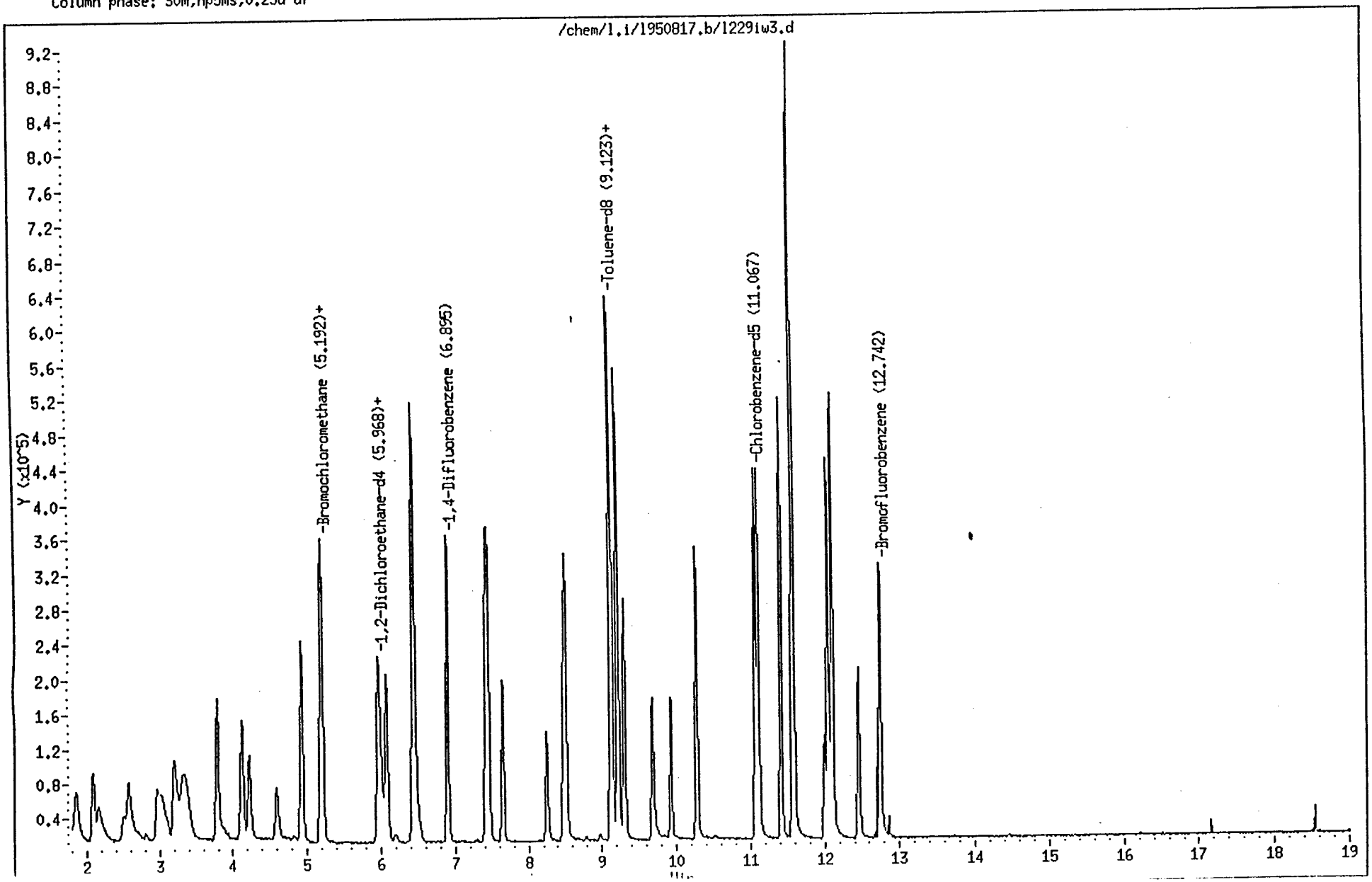
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	0.00
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw3.d
Date : 17-AUG-1995 16:41
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950817.b/l229iw4.d
Report Date: 24-Aug-1995 11:06

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw4.d
Lab Smp Id: VSTD100
Inj Date : 17-AUG-1995 17:09
Operator : JC
Smp Info : VSTD100-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy
Cal Date : 17-AUG-1995 17:09
Als bottle: 5
Dil Factor: 1.000
Integrator: HP RTE
Target Version: 3.10

Inst ID: l.i

Quant Type: ISTD
Cal File: l229iw4.d
Calibration Sample, Level: 4

Compound Sublist: normal.sub

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Chloromethane	50.00	1.752	1.752	(0.337)	322365	500	480
	2 Vinyl Chloride	62.00	1.859	1.859	(0.358)	245720	500	440
	3 Bromomethane	94.00	2.091	2.091	(0.403)	178001	500	490
	4 Chloroethane	64.00	2.171	2.171	(0.418)	164578	500	520
	7 Trichlorofluoromethane	101.00	2.572	2.572	(0.495)	223886	500	530 (M)
	8 Acetone	58.00	2.581	2.581	(0.497)	41566	500	610
	11 1,1-Dichloroethene	96.00	2.982	2.982	(0.574)	171888	500	490 (M)
	13 Methylene Chloride	84.00	3.214	3.214	(0.619)	216460	500	490
M	18 1,2-Dichloroethene (total)	96.00				431352	1000	1000
	14 Carbon Disulfide	76.00	3.347	3.347	(0.645)	725929	500	520
	15 trans-1,2-Dichloroethene	96.00	3.793	3.793	(0.730)	183445	500	530
	17 1,1-Dichloroethane	63.00	4.123	4.123	(0.794)	405044	500	510
	19 Vinyl Acetate	43.00	4.221	4.221	(0.813)	454370	500	480
	20 2-Butanone	43.00	4.586	4.586	(0.883)	252475	500	570
	21 cis-1,2-Dichloroethene	96.00	4.925	4.925	(0.949)	247907	500	510
	24 Chloroform	83.00	5.202	5.202	(1.002)	415512	500	510
	27 1,1,1-Trichloroethane	97.00	5.995	5.995	(0.869)	290132	500	510
	28 1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	374162	500	510
	30 Benzene	78.00	6.441	6.441	(0.934)	965712	500	510
	31 Carbon Tetrachloride	117.00	6.467	6.467	(0.938)	243620	500	530
	34 1,2-Dichloropropane	63.00	7.421	7.421	(1.076)	270577	500	500
	35 Trichloroethene	130.00	7.457	7.457	(1.081)	230725	500	510
	37 Bromodichloromethane	83.00	7.644	7.644	(1.109)	289457	500	530
	39 2-Chloroethylvinylether	63.00	8.250	8.250	(1.196)	135688	500	560
	40 4-Methyl-2-Pentanone	43.00	8.482	8.482	(1.230)	433021	500	610
	41 cis-1,3-Dichloropropene	75.00	8.509	8.509	(1.234)	356168	500	530
	42 trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.326)	314302	500	550
	44 Toluene	92.00	9.222	9.222	(0.833)	500492	500	510
	45 1,1,2-Trichloroethane	83.00	9.302	9.302	(1.349)	181304	500	510

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
46	2-Hexanone	43.00	9.676	9.676	(0.874)	393628	500	740
47	Dibromochloromethane	129.00	9.935	9.935	(1.441)	214786	500	550
49	Tetrachloroethene	164.00	10.274	10.274	(0.928)	186614	500	500
52	Chlorobenzene	112.00	11.120	11.120	(1.005)	519841	500	510
53	Xylene (Total)	106.00				943523	1500	1600
54	Ethylbenzene	106.00	11.415	11.415	(1.031)	256924	500	520
55	m,p-Xylene(s)	106.00	11.584	11.584	(1.047)	631921	1000	1000
56	Bromoform	173.00	12.003	12.003	(1.085)	157248	500	580
57	Styrene	104.00	12.047	12.047	(1.089)	502352	500	540
59	o-Xylene	106.00	12.110	12.110	(1.094)	311602	500	520
60	1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.126)	261309	500	510
23	Bromochloromethane	128.00	5.193	5.193	(1.000)	64852	250	
* 32	1,4-Difluorobenzene	114.00	6.895	6.895	(1.000)	335374	250	
50	Chlorobenzene-d5	117.00	11.067	11.067	(1.000)	273007	250	
26	1,2-Dichloroethane-d4	102.00	5.959	5.959	(1.148)	52397	500	510
$ 43	Toluene-d8	98.00	9.124	9.124	(0.824)	715149	500	510
$ 61	Bromofluorobenzene	95.00	12.743	12.743	(1.151)	258787	500	540

QC Flag Legend

- Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw4.d
Lab Smp Id: VSTD100
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

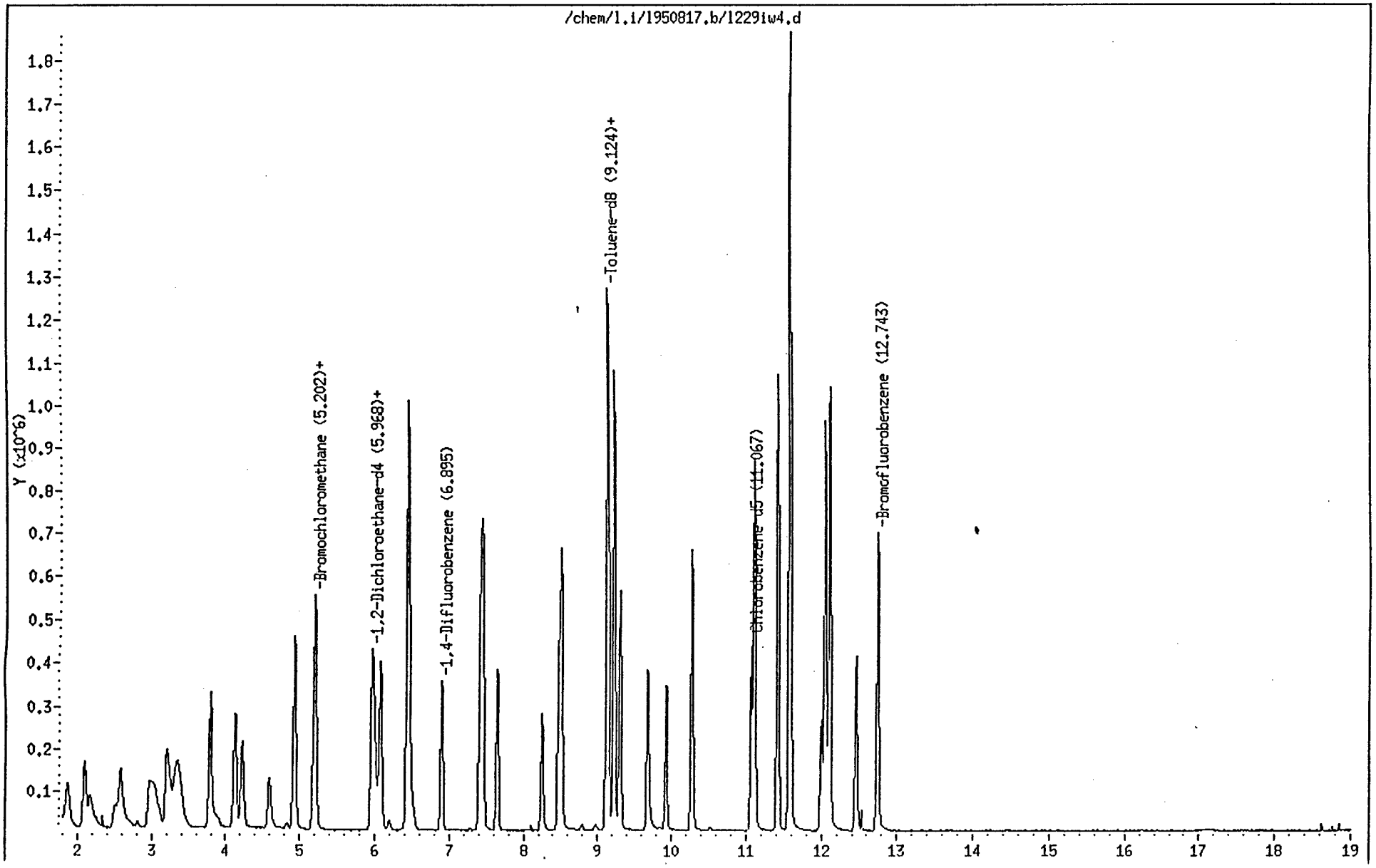
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	64852	-1.87
32 1,4-Difluorobenzene	340174	170087	680348	335374	-1.41
50 Chlorobenzene-d5	276497	138248	552994	273007	-1.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.01
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.00
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw4.d
Date : 17-AUG-1995 17:09
Client ID:
Sample Info: VSTD100-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i
Operator: JC
Column diameter: 0.25



SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw5.d
Lab Smp Id: VSTD200
Inj Date : 17-AUG-1995 17:36
Operator : JC Inst ID: l.i
Smp Info : VSTD200-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 17:36 Cal File: l229iw5.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	1 Chloromethane	50.00	1.760	1.760	(0.339)	623245	1000	960
	2 Vinyl Chloride	62.00	1.858	1.858	(0.358)	424502	1000	810
	3 Bromomethane	94.00	2.099	2.099	(0.404)	343058	1000	970
	4 Chloroethane	64.00	2.179	2.179	(0.420)	320097	1000	1000
	7 Trichlorofluoromethane	101.00	2.571	2.571	(0.495)	462534	1000	1100 (M)
	8 Acetone	58.00	2.580	2.580	(0.497)	84625	1000	1200
	11 1,1-Dichloroethene	96.00	3.008	3.008	(0.579)	349578	1000	1000 (M)
	13 Methylene Chloride	84.00	3.213	3.213	(0.619)	431473	1000	990
M	18 1,2-Dichloroethene (total)	96.00				865055	2000	2100
	14 Carbon Disulfide	76.00	3.356	3.356	(0.646)	1473058	1000	1000
	15 trans-1,2-Dichloroethene	96.00	3.793	3.793	(0.730)	369732	1000	1100
	17 1,1-Dichloroethane	63.00	4.131	4.131	(0.796)	796348	1000	1000
	19 Vinyl Acetate	43.00	4.229	4.229	(0.815)	913875	1000	980
	20 2-Butanone	43.00	4.595	4.595	(0.885)	488892	1000	1100
	21 cis-1,2-Dichloroethene	96.00	4.934	4.934	(0.950)	495323	1000	1000
	24 Chloroform	83.00	5.210	5.210	(1.003)	827691	1000	1000
	27 1,1,1-Trichloroethane	97.00	5.994	5.994	(0.868)	588166	1000	1000
	28 1,2-Dichloroethane	62.00	6.083	6.083	(1.172)	745462	1000	1000
	30 Benzene	78.00	6.440	6.440	(0.933)	1900331	1000	1000
	31 Carbon Tetrachloride	117.00	6.467	6.467	(0.937)	496066	1000	1100
	34 1,2-Dichloropropane	63.00	7.429	7.429	(1.076)	542234	1000	1000
	35 Trichloroethene	130.00	7.456	7.456	(1.080)	468445	1000	1000
	37 Bromodichloromethane	83.00	7.652	7.652	(1.108)	585453	1000	1100
	39 2-Chloroethylvinylether	63.00	8.249	8.249	(1.195)	288503	1000	1200
	40 4-Methyl-2-Pentanone	43.00	8.472	8.472	(1.227)	850562	1000	1200
	41 cis-1,3-Dichloropropene	75.00	8.508	8.508	(1.232)	718395	1000	1100
	42 trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.324)	645094	1000	1100
	44 Toluene	92.00	9.221	9.221	(0.833)	992785	1000	1000
	45 1,1,2-Trichloroethane	83.00	9.301	9.301	(1.347)	358281	1000	1000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.676	9.676	(0.874)	797644	1000	1400
	47 Dibromochloromethane	129.00	9.934	9.934	(1.439)	442912	1000	1100
	49 Tetrachloroethene	164.00	10.273	10.273	(0.928)	369482	1000	1000
	52 Chlorobenzene	112.00	11.120	11.120	(1.004)	1052462	1000	1000
M	53 Xylene (Total)	106.00				1889363	3000	3100
	54 Ethylbenzene	106.00	11.414	11.414	(1.031)	517201	1000	1000
	55 m,p-Xylene(s)	106.00	11.583	11.583	(1.046)	1261761	2000	2100
	56 Bromoform	173.00	12.002	12.002	(1.084)	333502	1000	1200
	57 Styrene	104.00	12.047	12.047	(1.088)	1032468	1000	1100
	59 o-Xylene	106.00	12.109	12.109	(1.093)	627602	1000	1000
	60 1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.125)	537345	1000	1000
	23 Bromochloromethane	128.00	5.192	5.192	(1.000)	64227	250	
*	32 1,4-Difluorobenzene	114.00	6.904	6.904	(1.000)	330307	250	
	50 Chlorobenzene-d5	117.00	11.075	11.075	(1.000)	270960	250	
	26 1,2-Dichloroethane-d4	102.00	5.968	5.968	(1.149)	104070	1000	1000
$	43 Toluene-d8	98.00	9.123	9.123	(0.824)	1430025	1000	1000
$	61 Bromofluorobenzene	95.00	12.742	12.742	(1.151)	529942	1000	1100

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw5.d
Lab Smp Id: VSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/1950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	64227	-2.82
32 1,4-Difluorobenzene	340174	170087	680348	330307	-2.90
50 Chlorobenzene-d5	276497	138248	552994	270960	-2.00

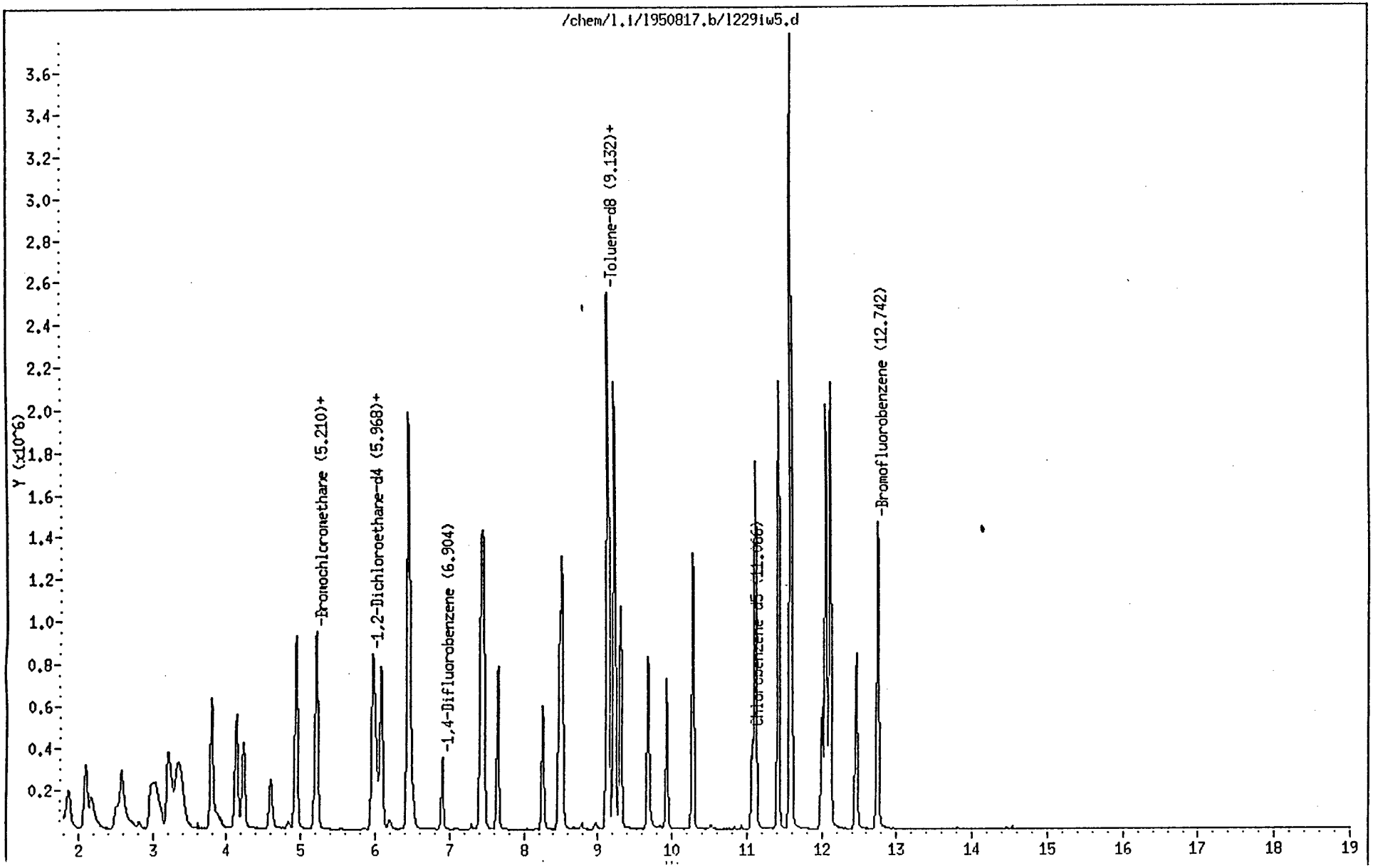
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.13
50 Chlorobenzene-d5	11.07	10.57	11.57	11.08	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw5.d
Date : 17-AUG-1995 17:36
Client ID:
Sample Info: VSTD200-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/1950818.b/l230cw1.d
Report Date: 28-Aug-1995 10:14

SPL Houston Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l230cw1.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 18-AUG-1995 09:12
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/1950818.b/lvoclpw.m

	COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
	1 Chloromethane	2.540	2.606	0.010	2.6	40.0
	2 Vinyl Chloride	2.040	2.226	0.100	9.1	25.0
	3 Bromomethane	1.381	1.373	0.100	0.6	25.0
	4 Chloroethane	1.230	1.273	0.010	3.5	40.0
	7 Trichlorofluoromethane	1.655	1.915	0.010	15.7	40.0
	8 Acetone	0.275	0.317	0.010	15.0	100.0
	11 1,1-Dichloroethene	1.347	1.273	0.100	5.5	25.0
	13 Methylene Chloride	1.697	1.576	0.010	7.1	40.0
M	18 1,2-Dichloroethene (total)	1.608	1.499	0.010	6.8	40.0
	14 Carbon Disulfide	5.443	5.441	0.010	0.0	40.0
	15 trans-1,2-Dichloroethene	1.346	1.228	0.010	8.7	40.0
	17 1,1-Dichloroethane	3.064	2.943	0.200	3.9	25.0
	19 Vinyl Acetate	3.617	4.347	0.010	20.2	100.0
	20 2-Butanone	1.745	2.129	0.010	22.0	100.0
	21 cis-1,2-Dichloroethene	1.870	1.770	0.010	5.4	25.0
	24 Chloroform	3.171	3.072	0.200	3.1	25.0
	27 1,1,1-Trichloroethane	0.425	0.431	0.100	1.4	25.0
	28 1,2-Dichloroethane	2.832	2.708	0.100	4.3	25.0
	30 Benzene	1.420	1.429	0.500	0.7	25.0
	31 Carbon Tetrachloride	0.351	0.378	0.100	7.7	25.0
	34 1,2-Dichloropropane	0.402	0.401	0.010	0.4	25.0
	35 Trichloroethene	0.340	0.333	0.300	2.0	25.0
	37 Bromodichloromethane	0.415	0.443	0.200	6.8	25.0
	39 2-Chloroethylvinylether	0.189	0.206	0.010	8.8	100.0
	40 4-Methyl-2-Pentanone	0.549	0.668	0.010	21.6	100.0
	41 cis-1,3-Dichloropropene	0.509	0.544	0.100	6.8	25.0
	42 trans-1,3-Dichloropropene	0.439	0.473	0.100	7.7	25.0
	44 Toluene	0.900	0.923	0.400	2.5	25.0
	45 1,1,2-Trichloroethane	0.266	0.277	0.100	4.1	25.0
	46 2-Hexanone	0.527	0.726	0.010	37.8	100.0
	47 Dibromochloromethane	0.300	0.332	0.100	10.6	25.0
	49 Tetrachloroethene	0.340	0.349	0.200	2.5	25.0
	52 Chlorobenzene	0.939	0.971	0.500	3.4	25.0
M	53 Xylene (Total)	0.558	0.583	0.300	4.6	25.0
	54 Ethylbenzene	0.458	0.469	0.100	2.3	25.0
	55 m,p-Xylene(s)	0.560	0.583	0.300	4.0	25.0
	56 Bromoform	0.261	0.321	0.100	22.8	40.0
	57 Styrene	0.873	0.936	0.300	7.2	25.0
	59 o-Xylene	0.553	0.585	0.300	5.7	25.0
	60 1,1,2,2-Tetrachloroethane	0.472	0.547	0.300	16.0	25.0

ata File: /chem/l.i/l950818.b/l230cw1.d
e ort Date: 28-Aug-1995 10:14

SPL Houston Labs

CONTINUING CALIBRATION COMPOUNDS

nstrument ID: l.i
a File ID: l230cw1.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Q ant Type: ISTD

Injection Date: 18-AUG-1995 09:12
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/lvoclpw.m

COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
$ 26 1,2-Dichloroethane-d4	0.396	0.373	0.010	5.8	40.0
$ 43 Toluene-d8	1.289	1.333	0.010	3.4	40.0
$ 61 Bromofluorobenzene	0.451	0.473	0.010	4.9	25.0

Data File: /chem/l.i/l950818.b/l230cw1.d
Report Date: 21-Aug-1995 09:51

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230cw1.d
Lab Smp Id: VSTD050
Inj Date : 18-AUG-1995 09:12
Operator : JC
Inst ID: l.i
Smp Info : VSTD050-8240W/1X
Misc Info : L230W1//L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy
Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12
Cal File: l230cw1.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE
Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1	Chloromethane	50.00	1.767	1.767	(0.340)	184024	250	260
2	Vinyl Chloride	62.00	1.865	1.865	(0.359)	157186	250	270
3	Bromomethane	94.00	2.096	2.096	(0.404)	96951	250	250
4	Chloroethane	64.00	2.194	2.194	(0.423)	89886	250	260
7	Trichlorofluoromethane	101.00	2.595	2.595	(0.500)	135238	250	290 (M)
8	Acetone	58.00	2.587	2.587	(0.498)	22367	250	290
11	1,1-Dichloroethene	96.00	3.059	3.059	(0.589)	89855	250	240 (M)
13	Methylene Chloride	84.00	3.219	3.219	(0.620)	111310	250	230
M 18	1,2-Dichloroethene (total)	96.00				211732	500	470
14	Carbon Disulfide	76.00	3.380	3.380	(0.651)	384208	250	250
15	trans-1,2-Dichloroethene	96.00	3.799	3.799	(0.732)	86723	250	230
17	1,1-Dichloroethane	63.00	4.129	4.129	(0.796)	207820	250	240
19	Vinyl Acetate	43.00	4.227	4.227	(0.814)	306948	250	300
20	2-Butanone	43.00	4.592	4.592	(0.885)	150308	250	300
21	cis-1,2-Dichloroethene	96.00	4.931	4.931	(0.950)	125009	250	240
24	Chloroform	83.00	5.207	5.207	(1.003)	216915	250	240
27	1,1,1-Trichloroethane	97.00	5.992	5.992	(0.868)	148000	250	250
28	1,2-Dichloroethane	62.00	6.081	6.081	(1.172)	191250	250	240
30	Benzene	78.00	6.437	6.437	(0.933)	490518	250	250
31	Carbon Tetrachloride	117.00	6.464	6.464	(0.937)	129615	250	270
34	1,2-Dichloropropane	63.00	7.427	7.427	(1.076)	137479	250	250
35	Trichloroethene	130.00	7.454	7.454	(1.080)	114283	250	240
37	Bromodichloromethane	83.00	7.650	7.650	(1.109)	152179	250	270
39	2-Chloroethylvinylether	63.00	8.247	8.247	(1.195)	70647	250	270
40	4-Methyl-2-Pentanone	43.00	8.479	8.479	(1.229)	229096	250	300
41	cis-1,3-Dichloropropene	75.00	8.505	8.505	(1.232)	186691	250	270
42	trans-1,3-Dichloropropene	75.00	9.138	9.138	(1.324)	162363	250	270
44	Toluene	92.00	9.219	9.219	(0.833)	251287	250	260
45	1,1,2-Trichloroethane	83.00	9.299	9.299	(1.347)	95208	250	260

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
46	2-Hexanone	43.00	9.682	9.682	(0.875)	197707	250	340
47	Dibromochloromethane	129.00	9.932	9.932	(1.439)	113994	250	280
49	Tetrachloroethene	164.00	10.270	10.270	(0.928)	94981	250	260
52	Chlorobenzene	112.00	11.117	11.117	(1.005)	264243	250	260
53	Xylene (Total)	106.00				476298	750	780
54	Ethylbenzene	106.00	11.420	11.420	(1.032)	127579	250	260
55	m,p-Xylene(s)	106.00	11.581	11.581	(1.047)	317167	500	520
56	Bromoform	173.00	12.000	12.000	(1.085)	87341	250	310
57	Styrene	104.00	12.044	12.044	(1.089)	254789	250	270
59	o-Xylene	106.00	12.107	12.107	(1.094)	159131	250	260
60	1,1,2,2-Tetrachloroethane	83.00	12.454	12.454	(1.126)	148906	250	290
23	Bromochloromethane	128.00	5.189	5.189	(1.000)	70612	250	
* 32	1,4-Difluorobenzene	114.00	6.901	6.901	(1.000)	343192	250	
50	Chlorobenzene-d5	117.00	11.064	11.064	(1.000)	272188	250	
26	1,2-Dichloroethane-d4	102.00	5.965	5.965	(1.149)	26354	250	240
S 43	Toluene-d8	98.00	9.120	9.120	(0.824)	362712	250	260
S 61	Bromofluorobenzene	95.00	12.740	12.740	(1.151)	128714	250	260

QC Flag Legend

I - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230cw1.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1//L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	70612	0.00
32 1,4-Difluorobenzene	343192	171596	686384	343192	0.00
50 Chlorobenzene-d5	272188	136094	544376	272188	0.00

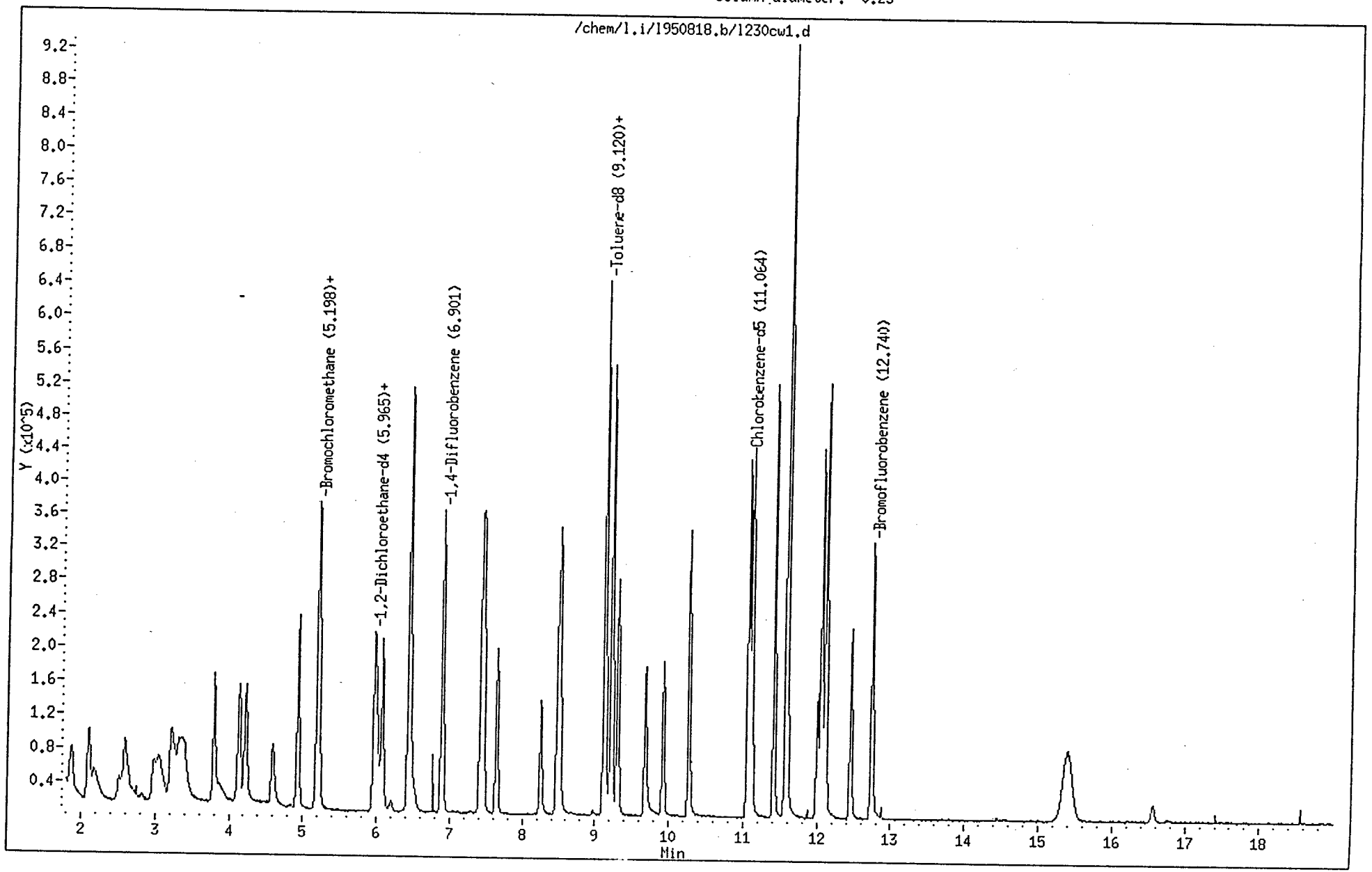
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.00
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950818.b/1230cw1.d
Date : 18-AUG-1995 09:12
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Software Version: 3.2 <16C20>
Sample Name : 100 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:14 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 04:41 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__994.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

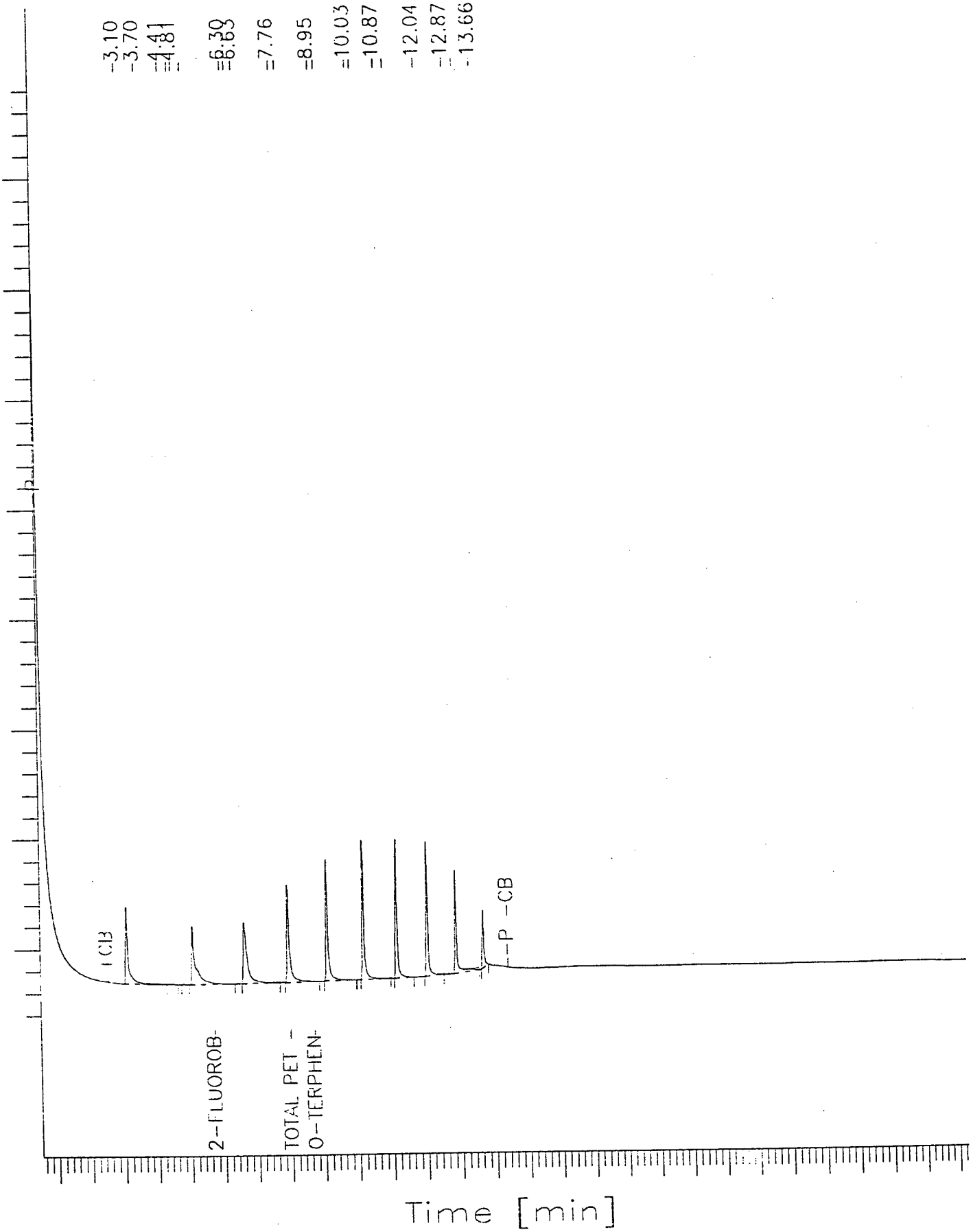
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	3.100	184166.13	34587.63	BE	5.0000e5	0.4539	94.7503		0.3683
2	3.704	9117.00	592.23	EV	5.0000e5	0.4539	94.7503		0.0182
3	4.412	1543.69	226.74	VB	5.0000e5	0.4539	94.7503		0.0031
4	4.696	273.98	59.38	BV	5.0000e5	0.4539	94.7503		0.0006
5	4.812	1427.97	250.18	VB	5.0000e5	0.4539	94.7503		0.0029
6	5.090	215761.84	27417.36	BE	5.0000e5	0.4539	94.7503		0.4315
7	6.295	899.00	85.59	EV	5.0000e5	0.4539	94.7503		0.0018
8	6.419	938.09	167.95	VB	5.0000e5	0.4539	94.7503		0.0019
9	6.633	232122.25	27587.36	BV	4.9999e5	0.4539	94.7503		0.4642
10	7.760	749.72	183.16	VB	5.0000e5	0.4539	94.7503		0.0015
11	7.940	243113.25	45847.97	BV	1970.0000	0.4539	94.7503	Total Petroleum Hydr	123.4077
12	8.950	300.69	75.21	VB	1970.0000	0.4539	94.7503	o-Terphenyl	0.1526
13	9.111	246097.00	56561.37	BB	5.0000e5	0.4539	94.7503		0.4922
14	10.034	1806.02	485.34	BV	5.0000e5	0.4539	94.7503		0.0036
15	10.171	242554.00	64852.91	VE	5.0000e5	0.4539	94.7503		0.4851
16	10.870	536.00	91.72	EB	5.0000e5	0.4539	94.7503		0.0011
17	11.144	226066.00	65098.77	BB	5.0000e5	0.4539	94.7503		0.4521
18	12.038	204594.00	62404.09	BB	5.0000e5	0.4539	94.7503		0.4092
19	12.867	174263.50	46781.00	BE	4.9999e5	0.4539	94.7503		0.3485
20	13.148	9227.00	511.29	EB	5.0000e5	0.4539	94.7503		0.0185
21	13.664	92143.50	26087.31	BB	5.0000e5	0.4539	94.7503		0.1843
		2087700.75	459954.53			9.5309	1989.7559		127.2490

END

Chromatogram

Sample Name : 100 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__994.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 13 mV

Sample #:
Date : 8/28/95 02:15 PM
Time of Injection: 8/28/95 04:41 AM
Low Point : 13.15 mV High Point : 448.21 mV
Plot Scale: 435 mV



Software Version: 3.2 <16C20>
Sample Name : 375 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:15 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 05:15 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__995.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

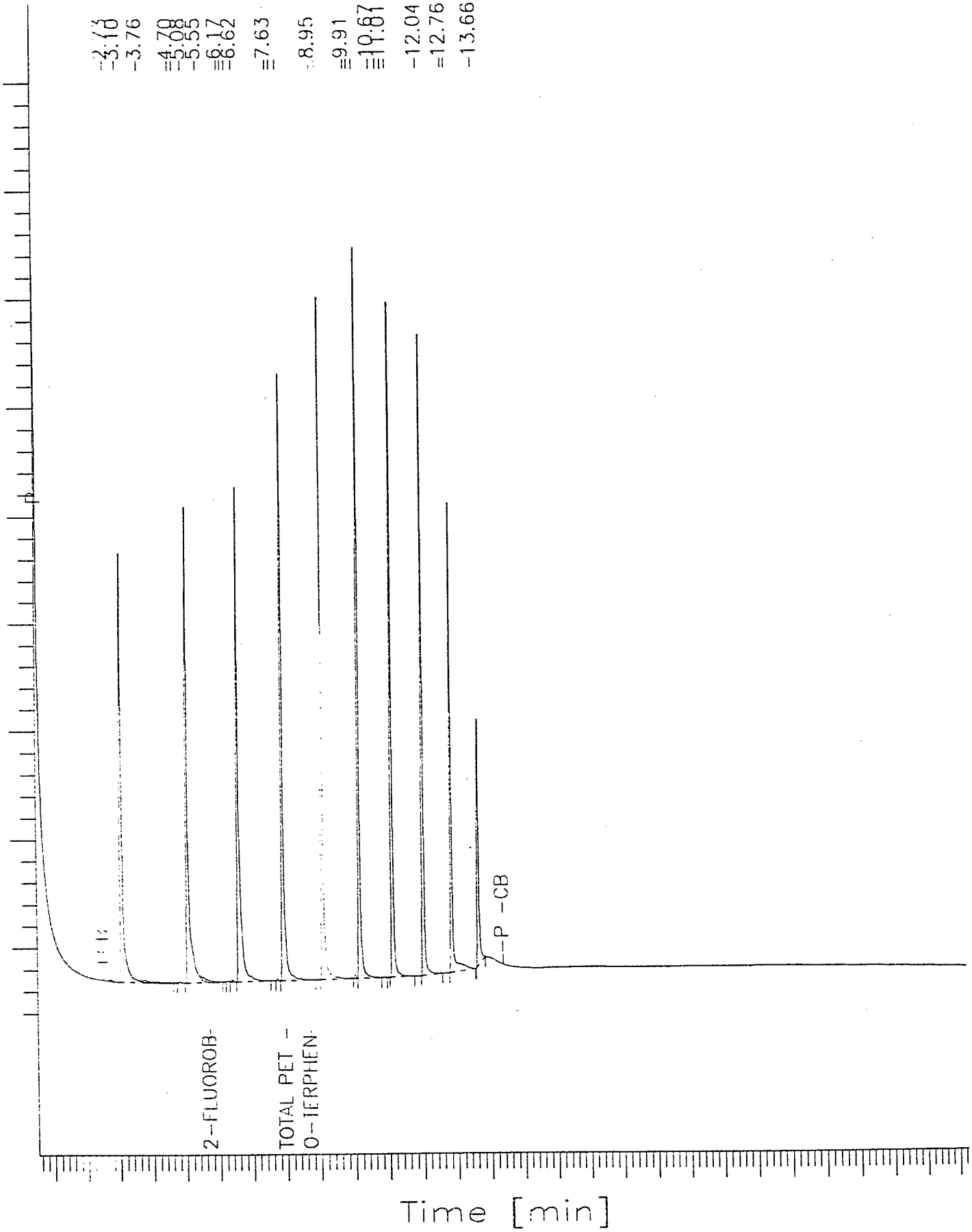
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.734	3265.00	866.20	BB	5.0000e5	0.4539	383.8077		0.0065
2	3.096	831448.00	201740.33	BE	5.0000e5	0.4539	383.8077		1.6629
3	3.763	19895.00	1024.08	EV	5.0000e5	0.4539	383.8077		0.0398
4	4.702	781.69	209.11	VV	5.0000e5	0.4539	383.8077		0.0016
5	4.832	2833.97	702.60	VB	5.0000e5	0.4539	383.8077		0.0057
6	5.084	868626.00	220507.31	BE	5.0000e5	0.4539	383.8077		1.7373
7	5.545	24653.00	1644.85	EV	1970.0000	0.4539	383.8077	2-FLUOROBIPHENYL	12.5142
8	6.174	1370.69	267.13	VV	5.0000e5	0.4539	383.8077		0.0027
9	6.284	2671.58	563.21	VV	5.0000e5	0.4539	383.8077		0.0053
10	6.409	4638.66	1156.50	VB	5.0000e5	0.4539	383.8077		0.0093
11	6.615	933569.50	229386.98	BV	5.0000e5	0.4539	383.8077		1.8671
12	7.629	1928.81	323.57	VV	5.0000e5	0.4539	383.8077		0.0039
13	7.751	3003.13	997.08	VV	5.0000e5	0.4539	383.8077		0.0060
14	7.931	970030.50	282506.38	VV	1970.0000	0.4539	383.8077	Total Petroleum Hydr	492.4013
15	8.945	1076.00	374.54	VB	1970.0000	0.4539	383.8077	o-Terphenyl	0.5462
16	9.103	980384.56	318435.47	BE	5.0000e5	0.4539	383.8077		1.9608
17	9.913	1392.00	256.61	EB	5.0000e5	0.4539	383.8077		0.0028
18	10.026	6591.47	2007.47	BV	5.0000e5	0.4539	383.8077		0.0132
19	10.167	969313.75	337677.41	VE	5.0000e5	0.4539	383.8077		1.9386
20	10.667	2555.00	378.85	EV	5.0000e5	0.4539	383.8077		0.0051
21	10.862	1720.84	342.32	VB	5.0000e5	0.4539	383.8077		0.0034
22	11.012	446.00	185.08	BB	5.0000e5	0.4539	383.8077		0.0009
23	11.139	930831.00	324040.25	BB	5.0000e5	0.4539	383.8077		1.8617
24	12.035	825123.38	297288.97	BV	5.0000e5	0.4539	383.8077		1.6503
25	12.760	264.66	158.20	VB	4.9999e5	0.4539	383.8077		0.0005
26	12.865	678159.00	218460.72	BB	5.0000e5	0.4539	383.8077		1.3563
27	13.662	390135.00	116275.18	BB	5.0000e5	0.4539	383.8077		0.7803
		8456708.00	2.55e6			12.2540	10362.8066		520.3836

END

Chromatogram

Sample Name : 375 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__995.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 13 mV

Sample #:
Date : 8/28/95 02:15 PM
Time of Injection: 8/28/95 05:15 AM
Low Point : 12.87 mV High Point : 455.70 mV
Plot Scale: 443 mV



Software Version: 3.2 <16C20>
Sample Name : 500 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:16 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 05:50 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__996.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

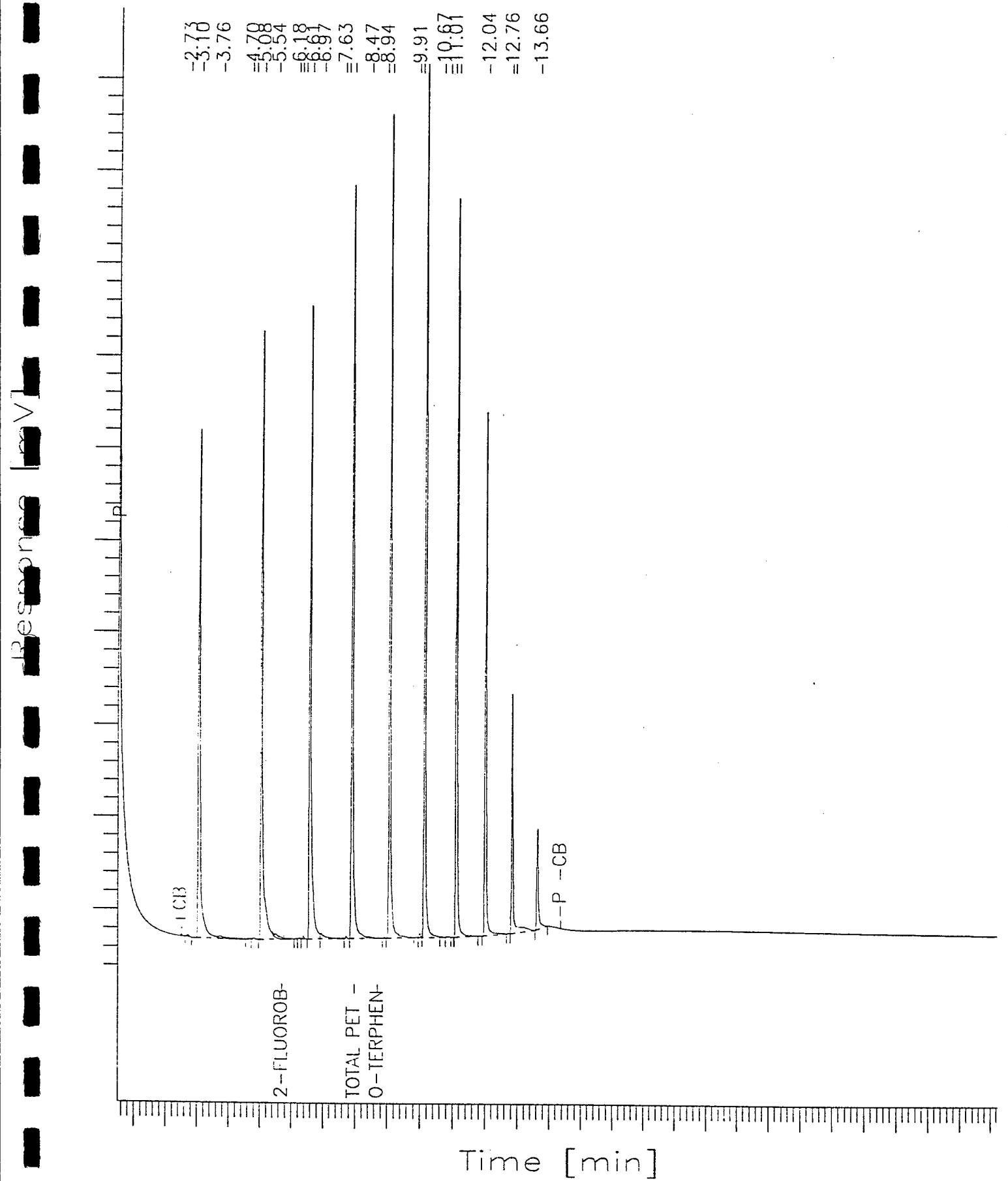
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.734	4338.00	1151.84	BB	5.0000e5	0.4539	463.1568		0.0087
2	3.095	1107244.50	281168.59	BE	5.0000e5	0.4539	463.1568		2.2145
3	3.757	22569.00	1210.87	EV	4.9999e5	0.4539	463.1568		0.0451
4	4.701	1403.66	297.92	VV	5.0000e5	0.4539	463.1568		0.0028
5	4.831	3857.91	1011.69	VB	5.0000e5	0.4539	463.1568		0.0077
6	5.083	1181364.63	329789.28	BE	5.0000e5	0.4539	463.1568		2.3627
7	5.543	27004.00	1831.62	EV	1970.0000	0.4539	463.1568	2-FLUOROBIPHENYL	13.7076
8	6.178	1620.97	322.29	VV	4.9999e5	0.4539	463.1568		0.0032
9	6.282	3548.00	772.28	VV	5.0000e5	0.4539	463.1568		0.0071
10	6.406	6336.53	1693.38	VB	5.0000e5	0.4539	463.1568		0.0127
11	6.615	1234549.25	344715.59	BV	5.0000e5	0.4539	463.1568		2.4691
12	6.966	34239.91	2869.65	VE	5.0000e5	0.4539	463.1568		0.0685
13	7.628	2749.00	412.70	EV	5.0000e5	0.4539	463.1568		0.0055
14	7.751	4273.00	1409.79	VV	4.9999e5	0.4539	463.1568		0.0086
15	7.931	1305738.38	411485.09	VE	1970.0000	0.4539	463.1568	Total Petroleum Hydr	662.8113
16	8.466	7637.00	634.58	EV	5.0000e5	0.4539	463.1568		0.0153
17	8.944	1507.23	536.04	VB	1970.0001	0.4539	463.1568	o-Terphenyl	0.7651
18	9.102	1321907.38	448591.34	BV	5.0000e5	0.4539	463.1568		2.6438
19	9.914	1805.34	364.58	VV	5.0000e5	0.4539	463.1568		0.0036
20	10.024	7663.86	2661.09	VV	5.0000e5	0.4539	463.1568		0.0153
21	10.167	1296865.75	467864.84	VV	5.0000e5	0.4539	463.1568		2.5937
22	10.667	2712.28	540.03	VV	5.0000e5	0.4539	463.1568		0.0054
23	10.862	2132.44	434.67	VB	5.0000e5	0.4539	463.1568		0.0043
24	11.011	607.00	243.64	BB	4.9999e5	0.4539	463.1568		0.0012
25	11.139	1169805.00	414696.25	BB	4.9999e5	0.4539	463.1568		2.3396
26	12.035	805079.25	284560.28	BV	5.0000e5	0.4539	463.1568		1.6102
27	12.760	707.81	246.49	VB	5.0000e5	0.4539	463.1568		0.0014
28	12.865	441826.00	129753.96	BB	5.0000e5	0.4539	463.1568		0.8837
29	13.662	203969.00	55088.02	BB	5.0000e5	0.4539	463.1568		0.4079
		10205062.00	3.18e6			13.1617	13431.5518		695.0257

END

Chromatogram

Sample Name : 500 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__996.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 11 mV

Sample #: Page 1 of 1
Date : 8/28/95 02:16 PM
Time of Injection: 8/28/95 05:50 AM
Low Point : 10.82 mV High Point : 503.73 mV
Plot Scale: 493 mV



```
Software Version: 3.2 <16C20>
Sample Name  : 750 PPM                  Time         : 8/28/95  02:16 PM
Sample Number:                          Study        : DROS
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 8/28/95  06:25 AM
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : L:\DATA\TCHROM\PEST\HP_T\TT__997.RAW
Result File    : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : <none>

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

Area/Concentration Report

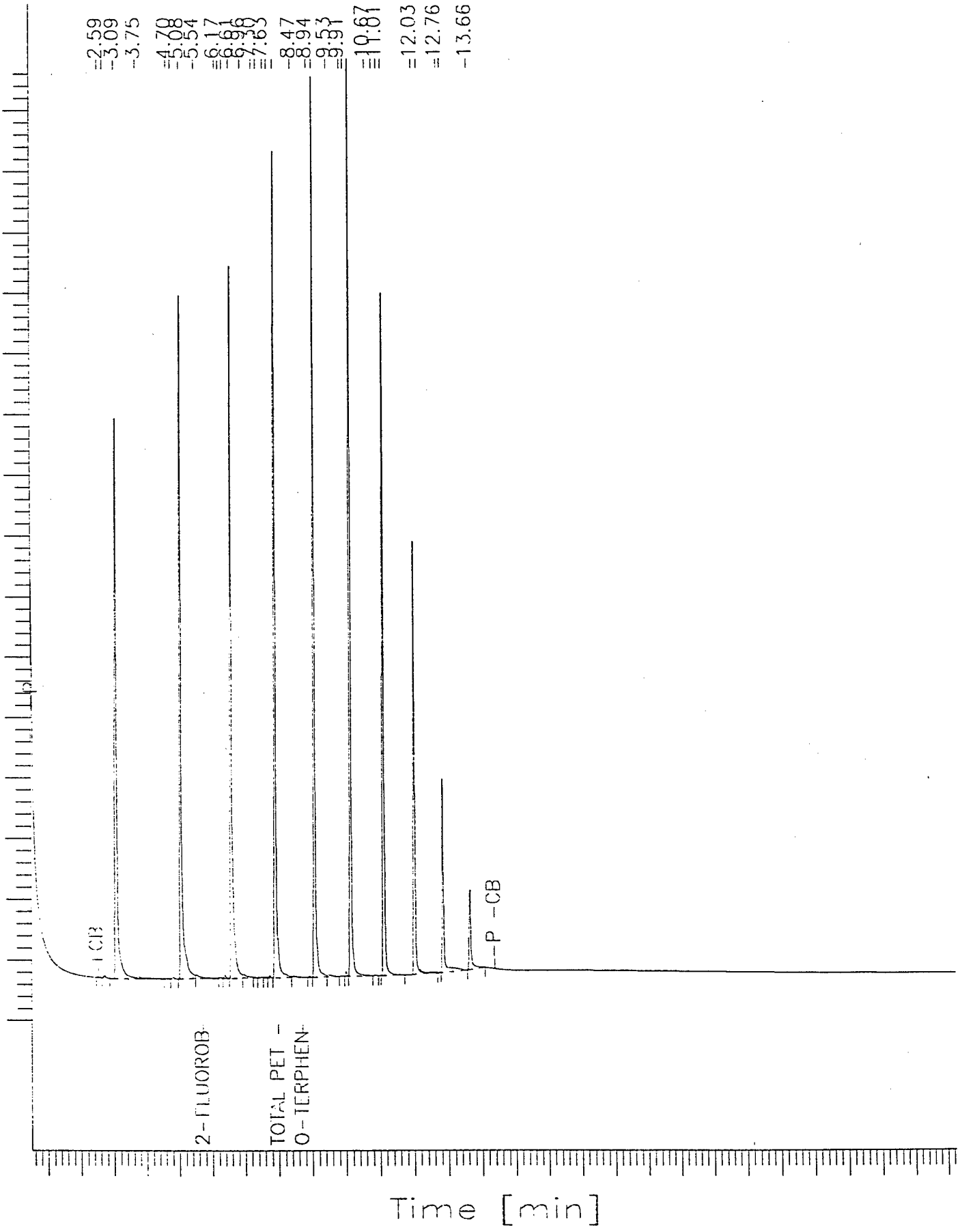
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.585	1727.34	358.29	BV	5.0000e5	0.4539	691.8588		0.0035
2	2.733	7445.69	1930.05	VB	5.0000e5	0.4539	691.8588		0.0149
3	3.094	1787859.13	478864.50	BE	5.0000e5	0.4539	691.8588		3.5757
4	3.752	29461.00	1472.71	EV	5.0000e5	0.4539	691.8588		0.0589
5	4.700	2767.97	535.78	VV	5.0000e5	0.4539	691.8588		0.0055
6	4.829	6431.78	1700.11	VB	5.0000e5	0.4539	691.8588		0.0129
7	5.081	1841422.25	565617.88	BV	5.0000e5	0.4539	691.8588		3.6828
8	5.540	39650.59	3214.32	VE	1970.0000	0.4539	691.8588	2-FLUOROBIPHENYL	20.1272
9	6.174	2872.00	469.99	EV	5.0000e5	0.4539	691.8588		0.0057
10	6.281	5898.53	1249.42	VV	5.0000e5	0.4539	691.8588		0.0118
11	6.404	9985.03	2811.76	VV	5.0000e5	0.4539	691.8588		0.0200
12	6.613	1935597.75	597095.00	VV	5.0000e5	0.4539	691.8588		3.8712
13	6.964	30711.19	3280.38	VV	5.0000e5	0.4539	691.8588		0.0614
14	7.295	4792.09	717.94	VV	5.0000e5	0.4539	691.8588		0.0096
15	7.421	3951.53	639.14	VV	5.0000e5	0.4539	691.8588		0.0079
16	7.628	3139.94	609.33	VV	5.0000e5	0.4539	691.8588		0.0063
17	7.749	6106.13	2077.54	VV	4.9999e5	0.4539	691.8588		0.0122
18	7.930	2034230.63	692679.38	VV	1970.0000	0.4539	691.8588	Total Petroleum Hydr	1032.6044
19	8.467	12575.06	1113.32	VV	4.9999e5	0.4539	691.8588		0.0252
20	8.942	2646.13	954.91	VB	1970.0000	0.4539	691.8588	o-Terphenyl	1.3432
21	9.102	2041224.25	743869.00	BV	5.0000e5	0.4539	691.8588		4.0825
22	9.533	16688.00	1483.86	VV	5.0000e5	0.4539	691.8588		0.0334
23	9.913	2713.69	557.45	VV	5.0000e5	0.4539	691.8588		0.0054
24	10.022	11118.38	4181.56	VV	5.0000e5	0.4539	691.8588		0.0222
25	10.167	1981880.50	747054.19	VE	5.0000e5	0.4539	691.8588		3.9638
26	10.667	3675.00	637.65	EV	5.0000e5	0.4539	691.8588		0.0074
27	10.859	3156.09	682.60	VB	5.0000e5	0.4539	691.8588		0.0063
28	11.010	937.50	388.70	BB	5.0000e5	0.4539	691.8588		0.0019
29	11.138	1610677.00	580494.00	BB	5.0000e5	0.4539	691.8588		3.2214
30	12.034	984851.00	357600.81	BE	5.0000e5	0.4539	691.8588		1.9697
31	12.195	14147.00	1806.76	EB	5.0000e5	0.4539	691.8588		0.0283
32	12.757	1383.11	551.10	BV	5.0000e5	0.4539	691.8588		0.0028
33	12.864	534106.38	160913.17	VB	5.0000e5	0.4539	691.8588		1.0682
34	13.659	268388.00	68883.01	BB	5.0000e5	0.4539	691.8588		0.5368
		15244216.00	5.02e6			15.4309	23523.2012		1080.4100

```
END
```

Chromatogram

Sample Name : 750 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__997.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -3 mV

Sample #: Page 1 of 1
Date : 8/28/95 02:16 PM
Time of Injection: 8/28/95 06:25 AM
Low Point : -2.71 mV High Point : 783.53 mV
Plot Scale: 786 mV



Software Version: 3.2 <16C20>
Sample Name : 1000 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:17 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 07:00 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__998.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

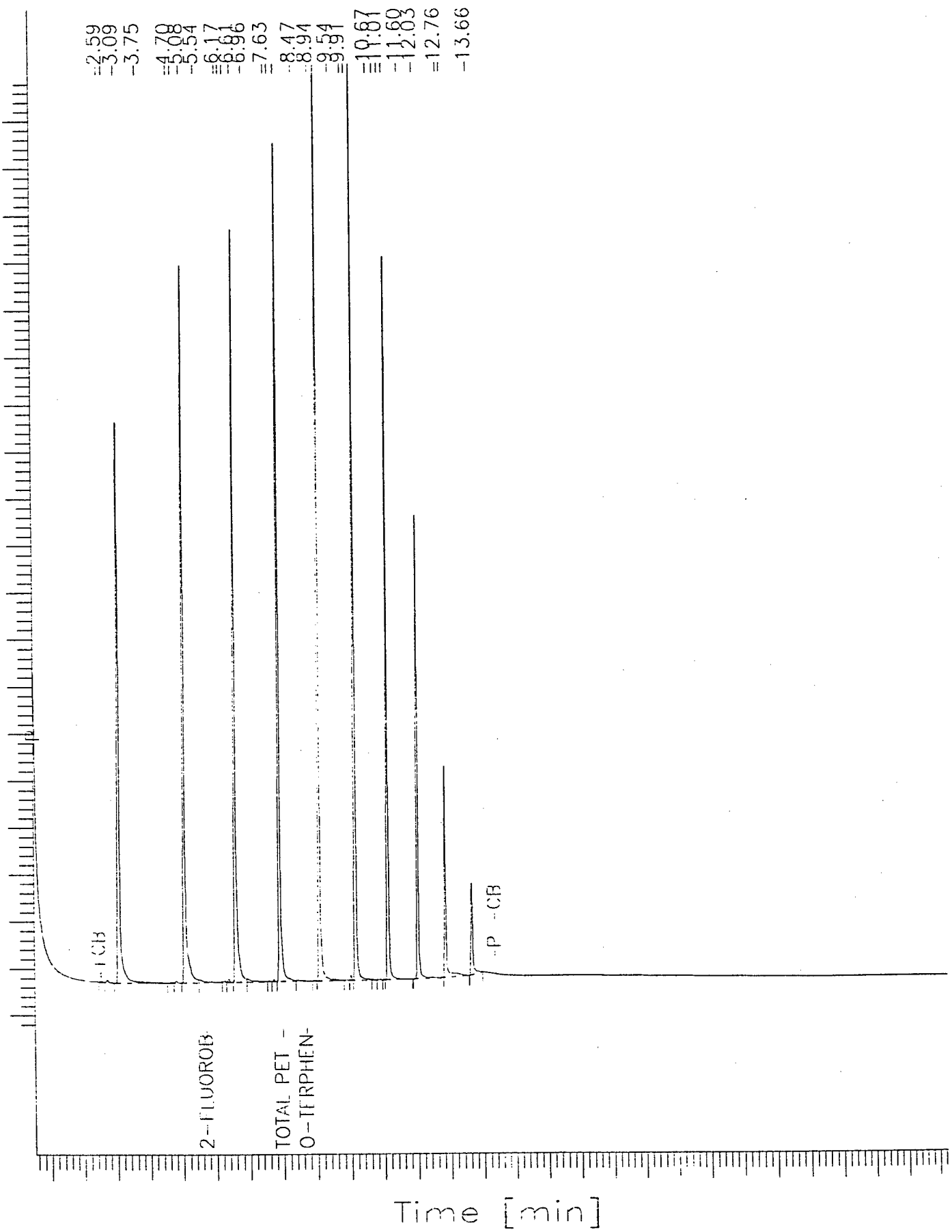
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.586	2408.00	481.26	BV	5.0000e5	0.4539	889.1388		0.0048
2	2.733	9520.00	2491.57	VB	5.0000e5	0.4539	889.1388		0.0190
3	3.094	2240290.75	617467.63	BE	5.0000e5	0.4539	889.1388		4.4806
4	3.748	33403.00	1663.39	EV	4.9999e5	0.4539	889.1388		0.0668
5	4.699	3548.00	689.23	VV	5.0000e5	0.4539	889.1388		0.0071
6	4.829	8275.09	2200.60	VB	5.0000e5	0.4539	889.1388		0.0166
7	5.082	2359146.25	765108.38	BV	4.9999e5	0.4539	889.1388		4.7183
8	5.537	42556.69	3447.10	VE	1970.0000	0.4539	889.1388	2-FLUOROBIPHENYL	21.6024
9	6.173	4204.00	632.84	EV	5.0000e5	0.4539	889.1388		0.0084
10	6.279	7804.38	1634.46	VV	5.0000e5	0.4539	889.1388		0.0156
11	6.404	13301.41	3768.55	VV	5.0000e5	0.4539	889.1388		0.0266
12	6.613	2490830.50	816534.81	VV	5.0000e5	0.4539	889.1388		4.9817
13	6.964	42255.75	3550.70	VV	4.9999e5	0.4539	889.1388		0.0845
14	7.627	3836.69	758.86	VV	5.0000e5	0.4539	889.1388		0.0077
15	7.748	7720.50	2649.49	VV	5.0000e5	0.4539	889.1388		0.0154
16	7.929	2589687.50	910600.00	VV	1970.0001	0.4539	889.1388	Total Petroleum Hydr	1314.5621
17	8.466	13702.38	1267.50	VV	5.0000e5	0.4539	889.1388		0.0274
18	8.941	3177.03	1182.17	VB	1970.0000	0.4539	889.1388	o-Terphenyl	1.6127
19	9.102	2584189.25	967572.81	BE	5.0000e5	0.4539	889.1388		5.1684
20	9.535	15723.00	1452.98	EV	5.0000e5	0.4539	889.1388		0.0315
21	9.912	3487.25	712.66	VV	5.0000e5	0.4539	889.1388		0.0070
22	10.021	14215.73	5485.49	VV	5.0000e5	0.4539	889.1388		0.0284
23	10.167	2519170.25	963559.75	VV	5.0000e5	0.4539	889.1388		5.0383
24	10.666	3809.31	888.43	VV	5.0000e5	0.4539	889.1388		0.0076
25	10.859	3890.44	831.71	VB	5.0000e5	0.4539	889.1388		0.0078
26	11.009	1265.00	515.23	BB	5.0000e5	0.4539	889.1388		0.0025
27	11.139	2140792.00	794638.44	BE	5.0000e5	0.4539	889.1388		4.2816
28	11.597	954.00	232.69	EB	5.0000e5	0.4539	889.1388		0.0019
29	12.034	1340763.50	493732.44	BB	5.0000e5	0.4539	889.1388		2.6815
30	12.757	2547.89	971.02	BV	5.0000e5	0.4539	889.1388		0.0051
31	12.864	722502.13	226777.48	VB	5.0000e5	0.4539	889.1388		1.4450
32	13.660	362050.00	101155.70	BB	5.0000e5	0.4539	889.1388		0.7241
		19591026.00	6.69e6			14.5232	28452.4395		1371.6884

END

Chromatogram

Sample Name : 1000 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__998.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -13 mV

Sample #:
Date : 8/28/95 02:17 PM
Time of Injection: 8/28/95 07:00 AM
Low Point : -13.28 mV High Point : 1000.00 mV
Plot Scale: 1013 mV



```
Software Version: 3.2 <16C20>
Sample Name  : 1000_PPM                Time          : 8/29/95  09:46 AM
Sample Number: TC ;W                   Study         : DROW
Operator     : SEG

Instrument   : HP_T                    Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 8/28/95  07:06 PM
Delay Time   : 0.50   min.
End Time     : 28.25  min.
Sampling Rate : 1.0000   pts/sec

Raw Data File  : L:\DATA\TCHROM\PEST\HP_T\TT__007.raw
Result File    : C:\WINDOWS\TEMP\~rst0668.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : <none>

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

(continuing Cal

Act = 585.87
88% Rec

Area/Concentration Report

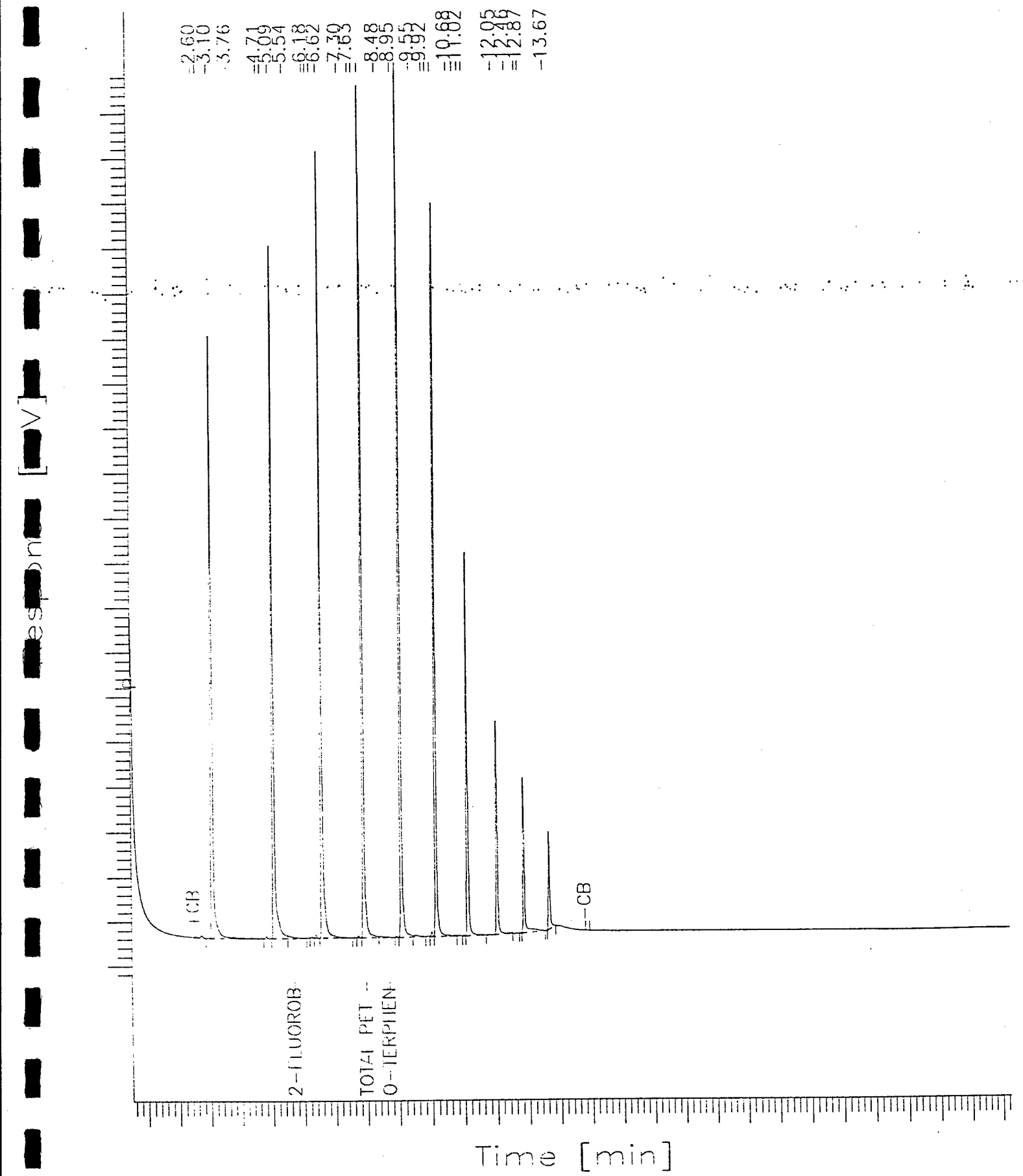
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.597	2079.16	482.32	BV	5.0000e5	0.4539	832.5864		0.0042
2	2.744	10179.34	2687.96	VB	5.0000e5	0.4539	832.5864		0.0204
3	3.103	2398773.25	679232.63	BE	5.0000e5	0.4539	832.5864		4.7976
4	3.758	30329.00	1405.85	EV	5.0000e5	0.4539	832.5864		0.0607
5	4.708	3329.03	705.71	VV	5.0000e5	0.4539	832.5864		0.0067
6	4.837	8725.88	2459.39	VB	5.0000e5	0.4539	832.5864		0.0175
7	5.090	2540011.50	809306.63	BV	5.0000e5	0.4539	832.5864		5.0800
8	5.544	41549.75	3191.75	VV	1970.0000	0.4539	832.5864	2-FLUOROBIPHENYL	21.0912
9	6.182	3032.44	666.00	VV	5.0000e5	0.4539	832.5864		0.0061
10	6.288	8016.30	1706.19	VV	5.0000e5	0.4539	832.5864		0.0160
11	6.414	13544.00	4129.26	VV	5.0000e5	0.4539	832.5864		0.0271
12	6.620	2670118.00	889832.75	VE	4.9999e5	0.4539	832.5864		5.3402
13	7.298	9198.00	645.43	EV	5.0000e5	0.4539	832.5864		0.0184
14	7.633	3549.41	751.51	VV	5.0000e5	0.4539	832.5864		0.0071
15	7.756	7652.38	2752.12	VB	5.0000e5	0.4539	832.5864		0.0153
16	7.937	2708572.00	966751.94	BV	1970.0000	0.4539	832.5864	Total Petroleum Hydr	1374.9097
17	8.477	14209.44	1283.48	VV	5.0000e5	0.4539	832.5864		0.0284
18	8.951	3403.66	1348.53	VB	1970.0000	0.4539	832.5864	o-Terphenyl	1.7277
19	9.113	2665464.75	981601.44	BV	5.0000e5	0.4539	832.5864		5.3309
20	9.547	19905.38	1791.98	VV	5.0000e5	0.4539	832.5864		0.0398
21	9.921	3278.78	672.57	VV	5.0000e5	0.4539	832.5864		0.0066
22	10.032	15133.19	5867.20	VV	5.0000e5	0.4539	832.5864		0.0303
23	10.177	2340792.25	857484.31	VE	5.0000e5	0.4539	832.5864		4.6816
24	10.678	3824.00	636.13	EV	5.0000e5	0.4539	832.5864		0.0077
25	10.870	3944.53	874.49	VB	5.0000e5	0.4539	832.5864		0.0079
26	11.019	1265.00	543.29	BB	5.0000e5	0.4539	832.5864		0.0025
27	11.149	1166127.00	427555.41	BB	5.0000e5	0.4539	832.5864		2.3323
28	12.046	687084.00	242344.50	BE	5.0000e5	0.4539	832.5864		1.3742
29	12.464	404.00	89.98	EB	5.0000e5	0.4539	832.5864		0.0008
30	12.769	1390.50	573.86	BB	5.0000e5	0.4539	832.5864		0.0028
31	12.874	591877.00	183165.09	BB	5.0000e5	0.4539	832.5864		1.1838
32	13.672	368203.00	111759.57	BB	4.9999e5	0.4539	832.5864		0.7364
		18344968.00	6.18e6			14.5232	26642.7559		1428.9119

END

Chromatogram

Sample Name : 1000_PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__007.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -17 mV

Sample #: TC ;W
Date : 8/29/95 09:46 AM
Time of Injection: 8/28/95 07:06 PM
Low Point : -17.17 mV High Point : 994.31 mV
Plot Scale: 1012 mV



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CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9508655 Page 1 of 12

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1315-193	Minnesota ANGB SI	Minneapolis, Minnesota

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
801-001mw	8-16-95 1100	✓		1L Amber	Aqueous	None	TPH-DRO (WDNR Mod.)	
801-001mw	8-16-95 1100	✓		3 40ml VOA		HCl	VOCs (SW8240)	
MS/MSD 801-001mw	8-16-95 1115	✓		1L Amber		None	TPH-DRO (WDNR Mod.)	Matrix Spike/MSD
MS/MSD 801-001mw	8-16-95 1115	✓		3 40ml VOA		HCL	VOCs (SW8240)	
873-001MW	8-16-95 1235	✓		1L Amber		None	TPH-DRO (WDNR Mod.)	
873-001mw	8-16-95 1235	✓		3 40ml VOA		HCl	VOCs (SW8240)	
R.C. ~~873-001~~								
873-GW-FB	8-16-95 1245	✓		1L Amber	Aqueous	None	TPH-DRO (WDNR Mod.)	Field Blank
873-GW-FB	8-16-95 1245	✓		3 40ml VOA		HCl	VOCs (SW8240)	Field Blank
Trip Blank	8-5-96			2 40ml VOA		HCl	VOCs (SW8240)	Trip Blank

Samplers: (Signature)	Relinquished by: (Signature)	Date: 8-16-95 Time: 1500	Received by: (Signature)	Date: 8-16-95 Time: 1500	Intact
Affiliation	Relinquished by: (Signature)	Date: 8-16-95 Time: 1520	Received by: (Signature)	Date: 8/16/95 Time: 1521	Intact DK
OP Tech	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 5°C

SAMPLER REMARKS:

Seal # 1315-193 8-16-95

Received for laboratory: (Signature) D. Bryant — Date: 8/17/95 Time: 1000 — Laboratory No.

Data Results to: Russ Cason - OP Tech (210) 731-0000

9508655 Page 2 of 2

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1315-193	Minnesota ANGB SI	Minneapolis, Minnesota

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
591-aq1mw	8-16-95 1405	✓		1L Amber	Aqueous	None	TPH-DRO (WDNR mod.)	
591-001mw	8-16-95 1405	✓		3 40ml VOA	↓	HCl	VOCs (SW8240)	

Samplers: (Signature)	Relinquished by: (Signature)	Date: 8-16-95 Time: 1500	Received by: (Signature)	Date: 8-16-95 Time: 1500	Intact
Affiliation: OPTECH	Relinquished by: (Signature)	Date: 1520 Time: 8-16-95	Received by: (Signature)	Date: 8/16/95 Time: 1520	Intact DK
	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 5°C

SAMPLER REMARKS:

Seal # 1315-193 8-16-95

Received for laboratory: (Signature) Bryant — Date: 8/17/95 Time: 1000 — Laboratory No.

Data Results to: Russ Eason - OPTECH (210) 731-0000

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 8/17/95 TIME: 1000 CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 9508655

		YES	NO
1.	Is a Chain-of-Custody form present?	✓	
2.	Is the COC properly completed?	✓	
	If no, describe what is incomplete:		
	If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)	N/A	—
3.	Is airbill/packing list/bill of lading with shipment?	✓	
	If yes, ID#:		
4.	Is a USEPA Traffic Report present?		✓
5.	Is a USEPA SAS Packing List present?		✓
6.	Are custody seals present on the package?	✓	
	If yes, were they intact upon receipt?	✓	
7.	Are all samples tagged or labeled?	✓	
	Do the sample tags/labels match the COC?	✓	
	If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)	N/A	—
8.	Do all shipping documents agree?	✓	
	If no, describe what is in nonconformity:		

9. Condition/temperature of shipping container: 5°C Intact
10. Condition/temperature of sample bottles: 5°C good
11. Sample Disposal?: SPL disposal ✓ Return to client ____

NOTES (reference item number if applicable): _____

ATTEST: S. West DATE: 8/17/95
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95 - 08 - 720

Approved for release by:

M. Scott Sample — Date: 9/5/95
M. Scott Sample, Laboratory Director

Karen Satterfield — Date: 9/5/95
Karen Satterfield, Project Manager

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-01

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/01/9

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 651-001 MWA

PROJECT NO: 1315-193
MATRIX: AQUEOUS
DATE SAMPLED: 08/17/95 13:15:0
DATE RECEIVED: 08/18/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Gasoline-Purgeables WI LUFT GRO Analyzed by: RR Date: 08/26/95 02:09:00	ND	0.1	mg/
Acid Digestion-Aqueous, ICP METHOD 3010 *** Analyzed by: AM Date: 08/23/95	08/23/95		
Lead, Total METHOD 6010 *** Analyzed by: JM Date: 08/25/95	ND	0.1	mg/
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/29/95 12:21:00	0.55	0.1	mg/L
Liquid-liquid extraction METHOD 3510 *** Analyzed by: MF Date: 08/23/95 13:00:00	08/23/95		

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-01

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/01/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 651-001 MWA

PROJECT NO: 1315-193
MATRIX: AQUEOUS
DATE SAMPLED: 08/17/95 13:15:00
DATE RECEIVED: 08/18/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-01

Operational Tech

SAMPLE ID: 651-001 MWA

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	98	76	114
Toluene-d8	50 ug/L	102	88	110
4-Bromofluorobenzene	50 ug/L	96	86	115

ANALYZED BY: JC DATE/TIME: 08/18/95 20:34:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230s20.d
Lab Smp Id: 9508720-01A
Inj Date : 18-AUG-1995 20:34
Operator : JC Inst ID: l.i
Smp Info : 9508720-01A-8240W/1X
Misc Info : L230W1/L230B01/L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 26
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	23 Bromochloromethane	128.00	5.193	5.189	(1.000)	58845	250	
*	32 1,4-Difluorobenzene	114.00	6.904	6.901	(1.000)	273582	250	
	50 Chlorobenzene-d5	117.00	11.067	11.064	(1.000)	215983	250	
	26 1,2-Dichloroethane-d4	102.00	5.969	5.965	(1.149)	21495	240	49
*	43 Toluene-d8	98.00	9.124	9.120	(0.824)	291447	250	51
$	61 Bromofluorobenzene	95.00	12.743	12.740	(1.151)	98023	240	48

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230s20.d
Lab Smp Id: 9508720-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1/L230B01/L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	58845	-16.66
32 1,4-Difluorobenzene	343192	171596	686384	273582	-20.28
50 Chlorobenzene-d5	272188	136094	544376	215983	-20.65

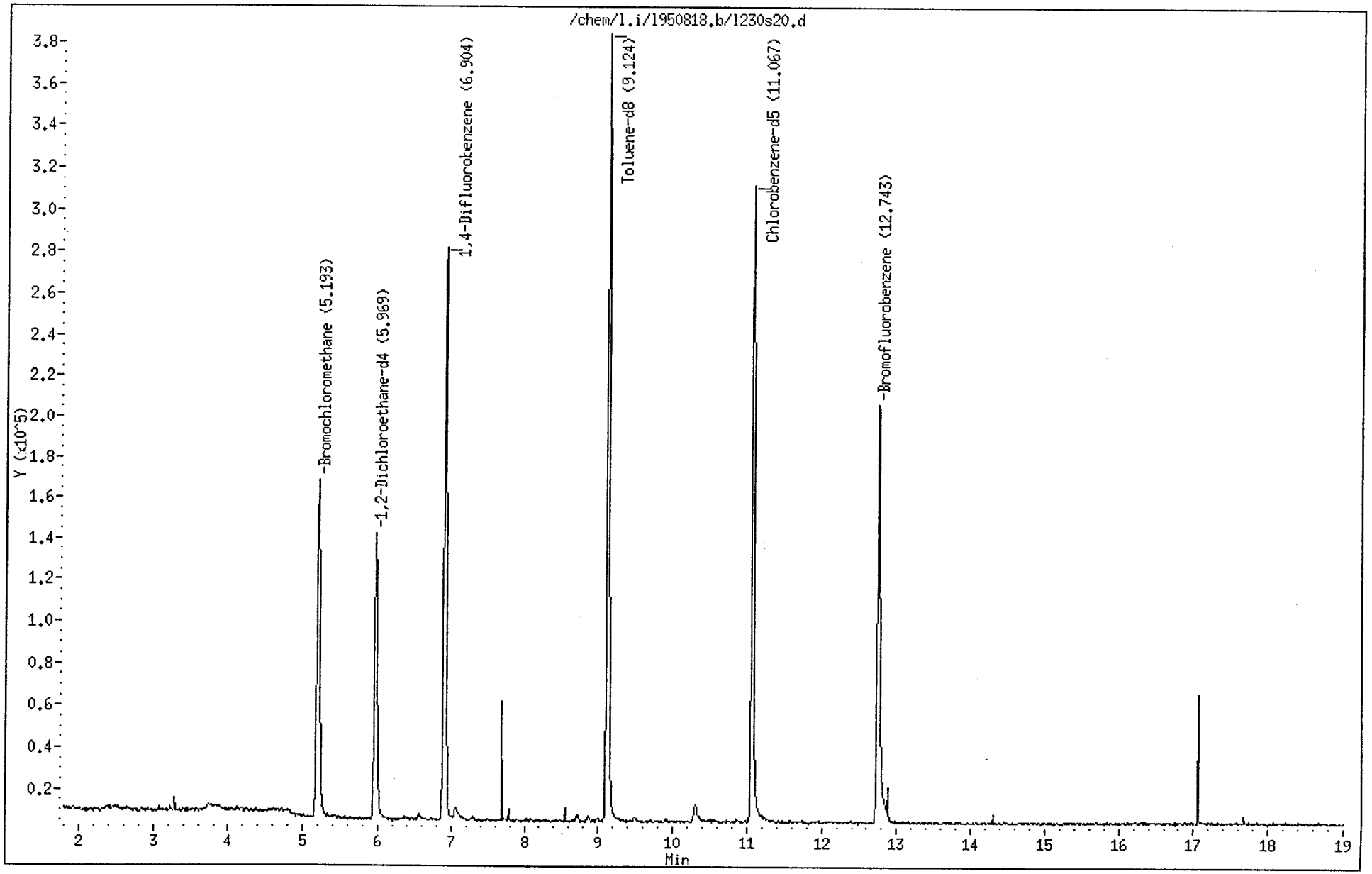
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.07
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.05
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230s20.d
Date : 18-AUG-1995 20:34
Client ID:
Sample Info: 9508720-01A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



Software Version: 3.2 <16C20>
Sample Name : 9508720-01B
Sample Number: SC ;W;1
Operator : RR

Time : 08/26/95 02:30
Study : GROW;1;PQL

Instrument : HP_U
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4153271317 Data Acquisition Time: 08/26/95 02:09
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__679.raw
Result File : l:\data\tchrom\btex\hp_u\UU__679.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

ND

Inj. Volume : 2 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.399	5207.00	461.77	BB	1.0000e6	1.8951	0.2821		0.0052	0.2821
2	4.249	374911.97	50195.93	BV	4050.4106	1.8951	0.2821	1,4-DIFLUOROBENZENE	92.5615	0.2821
3	4.790	991149.00	98584.76	VB	----------	1.8951	0.2821	TFT	0.0000	0.2821
4	14.141	117095.00	37821.67	BB	1561.5370	1.8951	0.2821	4-BROMOFLUOROBENZENE	74.9870	0.2821
		1488363.00	187064.13			7.5804	1.1282		167.5537	1.1282

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.885	0.00	0.00	VV	----------	1.8951	0.0000	Benzene	0.0000	0.0000
4	6.894	0.00	0.00	VV	----------	1.8951	0.0000	Toluene	0.0000	0.0000
5	10.870	0.00	0.00	VV	----------	1.8951	0.0000	Ethyl_Benzene	0.0000	0.0000
6	11.141	0.00	0.00	VV	----------	1.8951	0.0000	m - Xylene	0.0000	0.0000
7	12.733	0.00	0.00	VV	----------	1.8951	0.0000	o-Xylene	0.0000	0.0000
		0.00	0.00			9.4755	0.0000		0.0000	0.0000

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.249	374911.97	50195.93	BV	4050.4106	1.8951	0.2811	1,4-DIFLUOROBENZENE	92.5615	0.2811
3	4.790	991149.00	98584.76	VB	----------	1.8951	0.2811	TFT	0.0000	0.2811
8	14.141	117095.00	37821.67	BB	1561.5370	1.8951	0.2811	4-BROMOFLUOROBENZENE	74.9870	0.2811
		1483156.00	186602.36			5.6853	0.8432		167.5485	0.8432

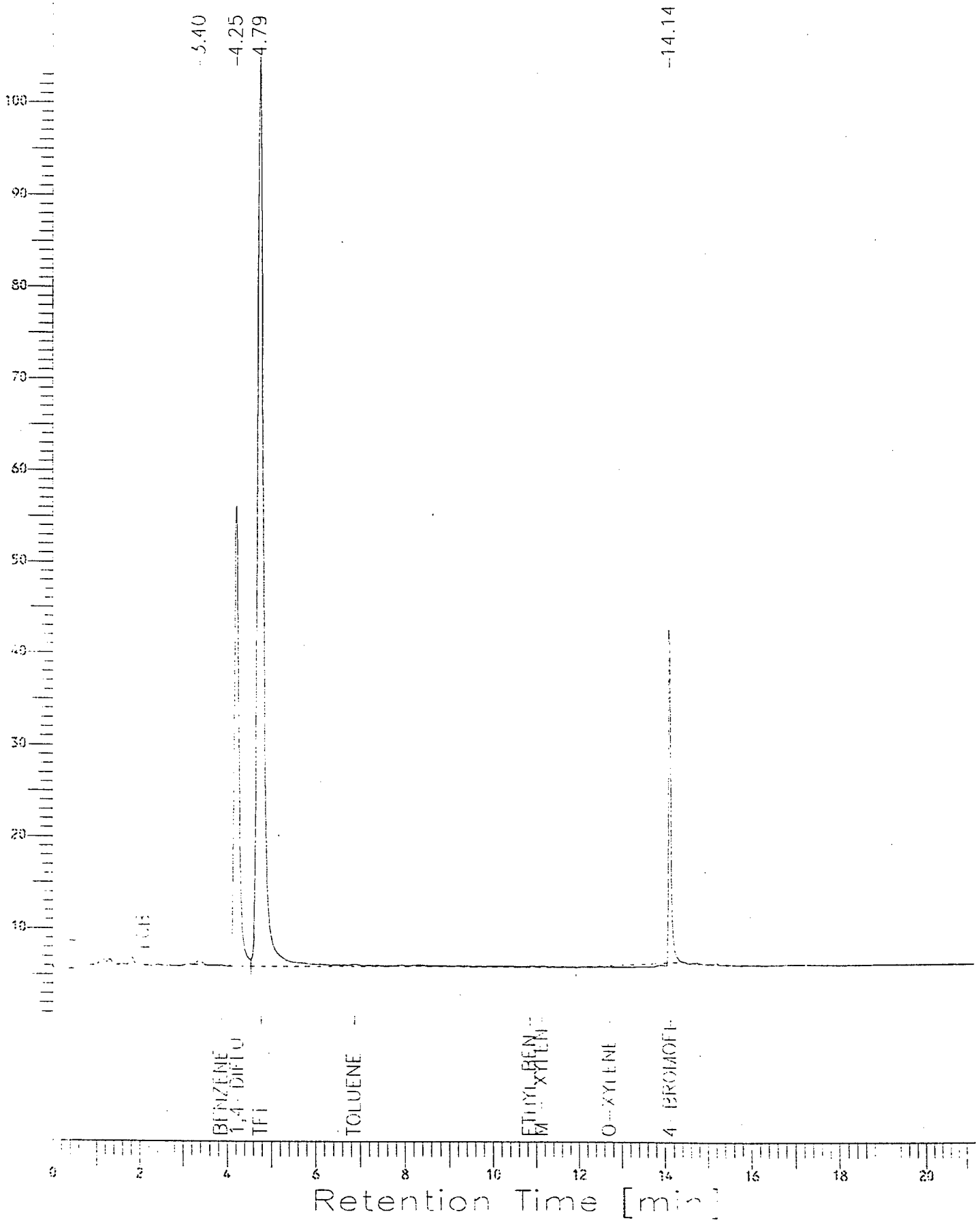
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__679.TXO

Chromatogram

Sample Name : 9508720-01B
FileName : l:\data\tchrom\btex\hp_u\UU__679.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: SC ;W;1 Page 1 of 1
Date : 08/26/95 02:30
Time of Injection: 08/26/95 02:09
Low Point : 0.69 mV High Point : 103.90 mV
Plot Scale: 103 mV



```
================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508720-01D              Time         : 08/29/95  12:49
Sample Number: SC ;W                    Study        : DROW
Operator     : SEG

Instrument   : HP_T                     Channel : B     A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/29/95  12:21
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__016.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__016.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

624.32 - 8.52 = 45.12 (0.482)

(2.0/1000)

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.601	90849.25	24103.75	BV	5.0000e5	0.4539	283.3483		0.1817
2	2.771	30686.28	6524.77	VV	5.0000e5	0.4539	283.3483		0.0614
3	2.867	15257.06	4525.88	VV	5.0000e5	0.4539	283.3483		0.0305
4	3.010	31032.47	4952.02	VB	5.0000e5	0.4539	283.3483		0.0621
5	3.228	13096.34	2573.00	BV	5.0000e5	0.4539	283.3483		0.0262
6	3.379	52669.39	15323.77	VV	5.0000e5	0.4539	283.3483		0.1053
7	3.488	103224.97	21237.77	VV	5.0000e5	0.4539	283.3483		0.2065
8	3.708	67056.84	17253.64	VV	5.0000e5	0.4539	283.3483		0.1341
9	3.815	40864.88	10794.98	VV	5.0000e5	0.4539	283.3483		0.0817
10	3.941	36056.84	8142.80	VV	5.0000e5	0.4539	283.3483		0.0721
11	4.065	19019.38	3650.25	VV	5.0000e5	0.4539	283.3483		0.0380
12	4.166	15102.00	2765.79	VV	5.0000e5	0.4539	283.3483		0.0302
13	4.352	3709.75	876.08	VV	5.0000e5	0.4539	283.3483		0.0074
14	4.418	4208.25	1005.46	VV	5.0000e5	0.4539	283.3483		0.0084
15	4.628	8794.25	2355.99	VV	5.0000e5	0.4539	283.3483		0.0176
16	4.700	6079.08	1829.56	VV	5.0000e5	0.4539	283.3483		0.0122
17	4.791	4412.22	942.26	VV	4.9999e5	0.4539	283.3483		0.0088
18	5.050	937.66	173.43	VB	5.0000e5	0.4539	283.3483		0.0019
19	5.208	1532.50	430.24	BB	5.0000e5	0.4539	283.3483		0.0031
20	5.389	1048.00	341.62	BB	5.0000e5	0.4539	283.3483		0.0021
21	5.610	5087061.00	895741.38	BV	1970.0000	0.4539	283.3483	2-FLUOROBIPHENYL	2582.2644
22	6.436	451291.50	23017.45	VV	5.0000e5	0.4539	283.3483		0.9026
23	7.964	15240.00	1343.65	VV	1970.0000	0.4539	283.3483	Total Petroleum Hydr	7.7360
24	8.262	23051.63	1039.95	VV	5.0000e5	0.4539	283.3483		0.0461
25	8.898	16139.00	1997.68	VB	1970.0000	0.4539	283.3483	o-Terphenyl	8.1924
26	9.710	85218.00	22069.36	BB	5.0000e5	0.4539	283.3483		0.1704
27	10.072	1516.00	232.65	BB	5.0000e5	0.4539	283.3483		0.0030
28	11.621	4180.00	79.65	BB	4.9999e5	0.4539	283.3483		0.0084
29	11.736	672.42	155.40	BV	5.0000e5	0.4539	283.3483		0.0013
30	12.218	1687.00	265.09	VB	5.0000e5	0.4539	283.3483		0.0034
31	12.717	11520.00	3986.16	BB	5.0000e5	0.4539	283.3483		0.0230
		6243214.00	1.07e6			14.0694	8783.7969		2600.4424

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.610	5087061.00	895741.38	BV	1970.0000	0.4539	231.6088	2-FLUOROBIPHENYL	2582.2644
3	8.898	16139.00	1997.68	VB	1970.0000	0.4539	231.6088	o-Terphenyl	8.1924
		5103200.00	897739.06			0.9077	463.2175		2590.4568

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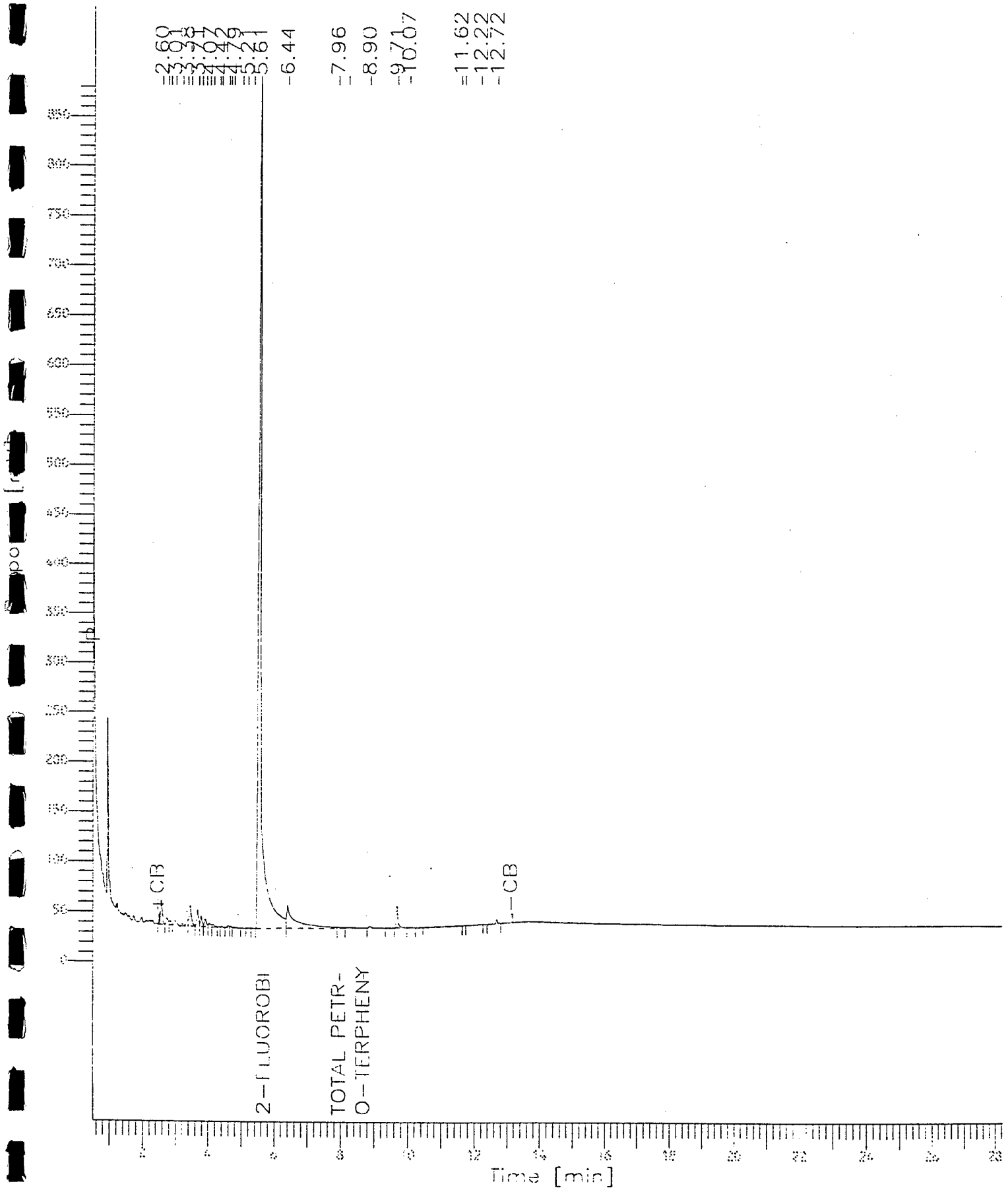
================================================================================
 END
================================================================================
```

Chromatogram

Sample Name : 9508720-01D
FileName : l:\data\tchrom\pest\hp_t\TT__016.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -8 mV

Sample #: SC ;W
Date : 08/29/95 12:49
Time of Injection: 08/29/95 12:21
Low Point : -7.88 mV High Point : 881.28 mV
Plot Scale: 889 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-02

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

DATE: 09/01/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 651-002 MW

PROJECT NO: 1315-193
MATRIX: AQUEOUS
DATE SAMPLED: 08/17/95 10:15:00
DATE RECEIVED: 08/18/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
GC/FID Gasoline-Purgeables WI LUFT GRO Analyzed by: RR Date: 08/26/95 02:37:00	0.21	0.10	mg/L
Acid Digestion-Aqueous, ICP METHOD 3010 *** Analyzed by: AM Date: 08/23/95	08/23/95		
Lead, Total METHOD 6010 *** Analyzed by: JM Date: 08/25/95	ND	0.1	mg/L
GC/FID Diesel-Extractables WI LUFT DRO Analyzed by: SEG Date: 08/29/95 12:55:00	0.57	0.1	mg/L
Liquid-liquid extraction METHOD 3510 *** Analyzed by: MF Date: 08/23/95 13:00:00	08/23/95		

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-02

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/01/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Operational Technology
SAMPLE ID: 651-002 MW

PROJECT NO: 1315-193
MATRIX: AQUEOUS
DATE SAMPLED: 08/17/95 10:15:00
DATE RECEIVED: 08/18/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	6	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	10	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	44	5	ug/L
Xylenes (total)			

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-02

Operational Tech

SAMPLE ID: 651-002 MW

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	102	76	114
Toluene-d8	50 ug/L	102	88	110
4-Bromofluorobenzene	50 ug/L	108	86	115

ANALYZED BY: JC DATE/TIME: 08/21/95 11:24:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950821.b/l233s01.d
Lab Smp Id: 9508720-02A
Inj Date : 21-AUG-1995 11:24
Operator : JC Inst ID: l.i
Smp Info : 9508720-02A-8240W/1X
Misc Info : L233W1/L233B01/L233CW1
Comment :
Method : /chem/l.i/l950821.b/lvoclpw.m
Meth Date : 21-Aug-1995 10:11 jimmy Quant Type: ISTD
Cal Date : 21-AUG-1995 09:36 Cal File: l233cw1.d
Als bottle: 6
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	30 Benzene	78.00	6.326	6.322	(0.932)	49403	29	6
M	53 Xylene (Total)	106.00				119039	220	44
	54 Ethylbenzene	106.00	11.317	11.314	(1.032)	6679	16	3(a)
	55 m,p-Xylene(s)	106.00	11.487	11.483	(1.047)	119039	220	44
*	23 Bromochloromethane	128.00	5.078	5.065	(1.000)	63029	250	
*	32 1,4-Difluorobenzene	114.00	6.789	6.785	(1.000)	302210	250	
	50 Chlorobenzene-d5	117.00	10.970	10.966	(1.000)	237019	250	
	26 1,2-Dichloroethane-d4	102.00	5.853	5.840	(1.153)	23822	250	51
$	43 Toluene-d8	98.00	9.018	9.014	(0.822)	321134	260	51
	61 Bromofluorobenzene	95.00	12.646	12.642	(1.153)	116386	270	54

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l233s01.d
Lab Smp Id: 9508720-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950821.b/lvoclpw.m
Misc Info: L233W1/L233B01/L233CW1

Calibration Date: 08/21/95
Calibration Time: 0936

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66567	33284	133134	63029	-5.31
32 1,4-Difluorobenzene	322888	161444	645776	302210	-6.40
50 Chlorobenzene-d5	258976	129488	517952	237019	-8.48

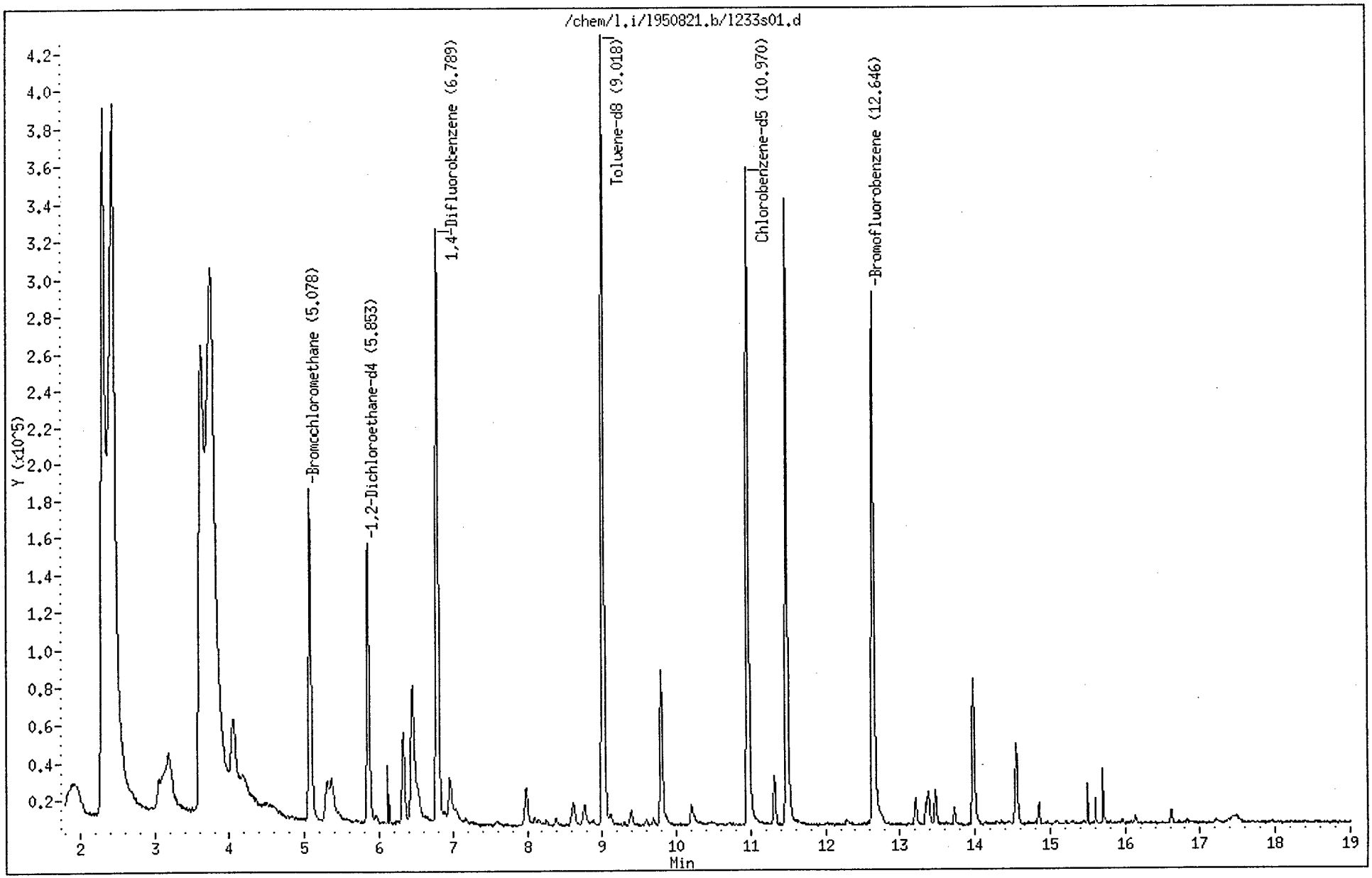
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.06	4.56	5.56	5.08	0.25
32 1,4-Difluorobenzene	6.79	6.29	7.29	6.79	0.06
50 Chlorobenzene-d5	10.97	10.47	11.47	10.97	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950821.b/1233s01.d
Date : 21-AUG-1995 11:24
Client ID:
Sample Info: 9508720-02A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



Data File: /chem/1.i/1950821.b/1233s01.d

Date : 21-AUG-1995 11:24

Client ID:

Instrument: 1.i

Sample Info: 9508720-02A-8240W/1X

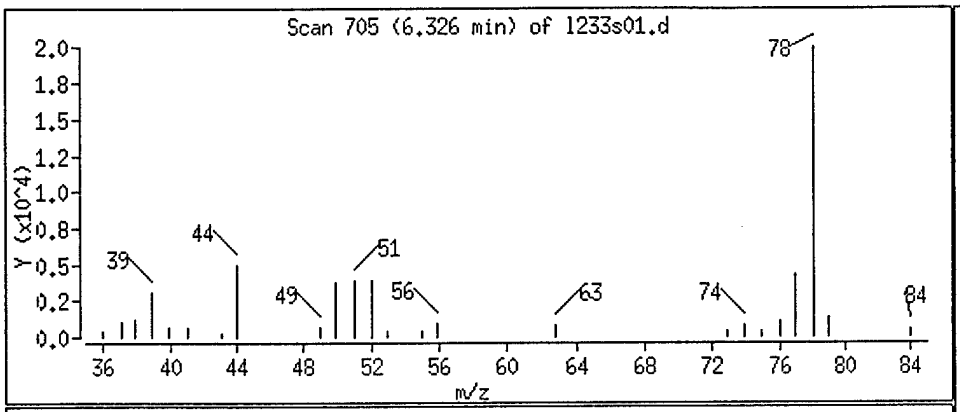
Purge Volume: 5.0

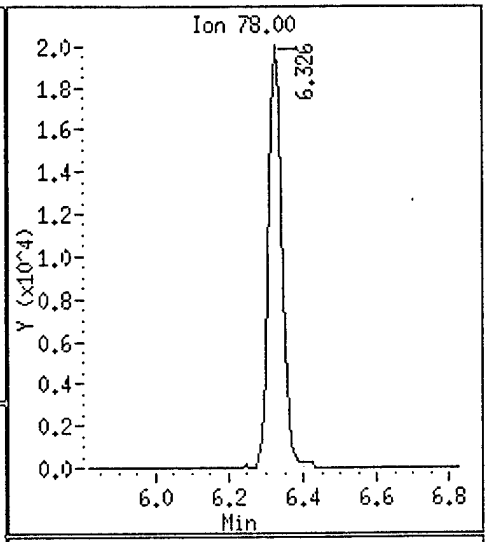
Operator: JC

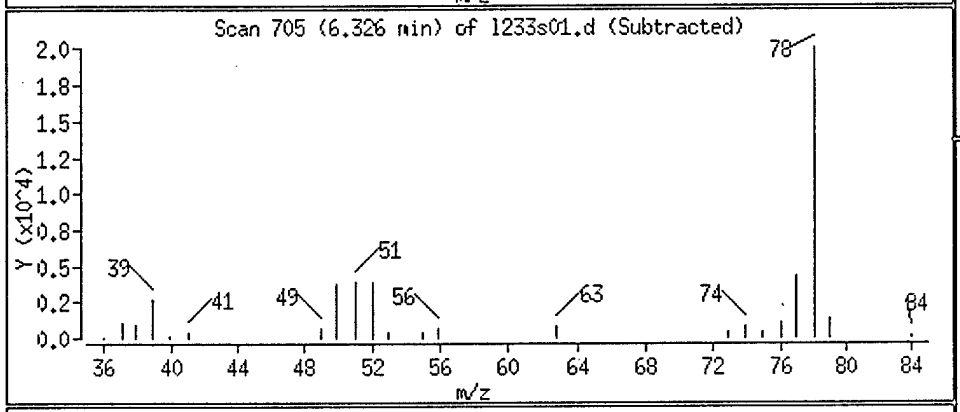
Column phase: 30m,hp5ms,0.25u df

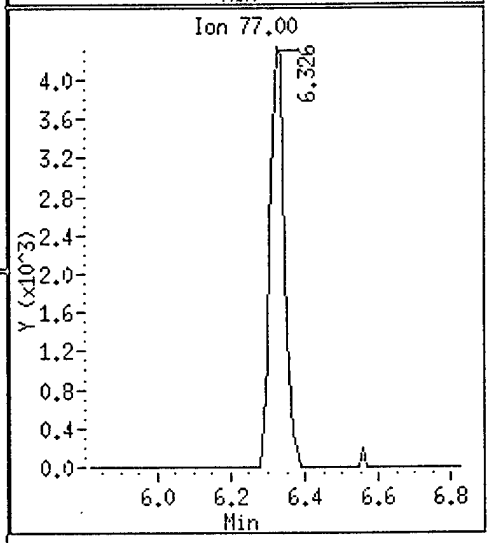
Column diameter: 0.25

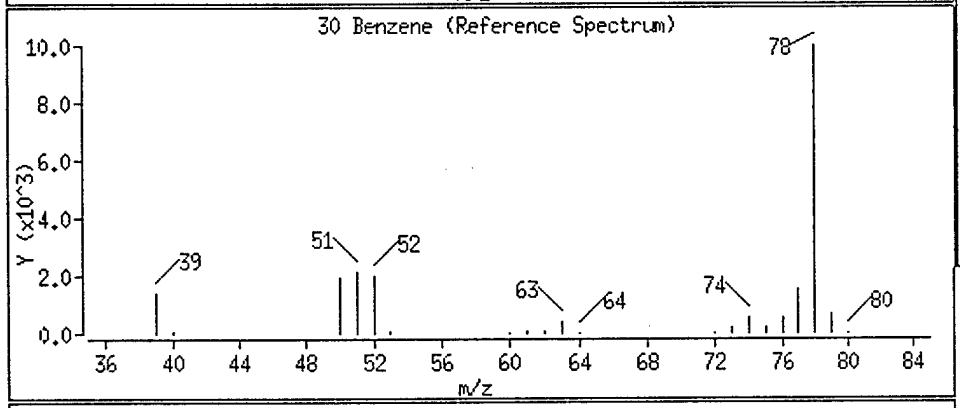
30 Benzene

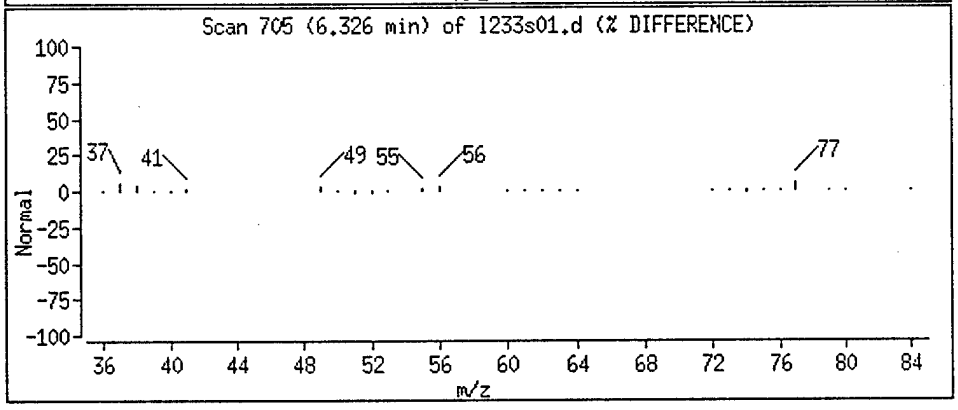












Data File: /chem/l.i/1950821.b/1233s01.d

Date : 21-AUG-1995 11:24

Client ID:

Instrument: l.i

Sample Info: 9508720-02A-8240W/1X

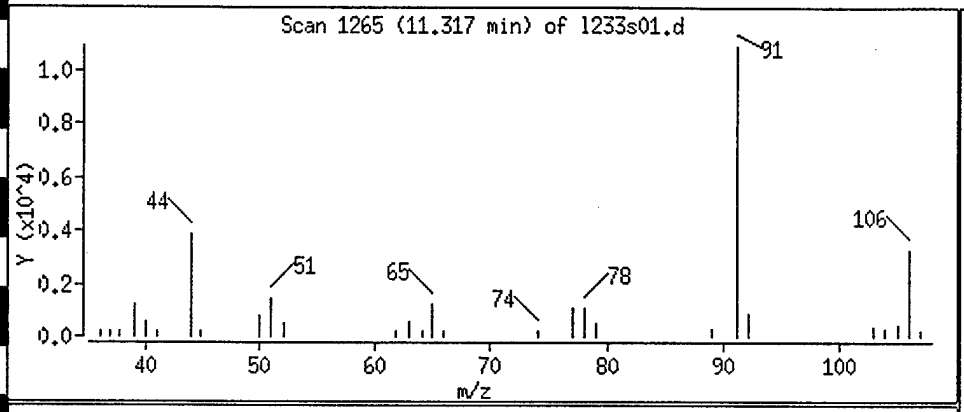
Purge Volume: 5.0

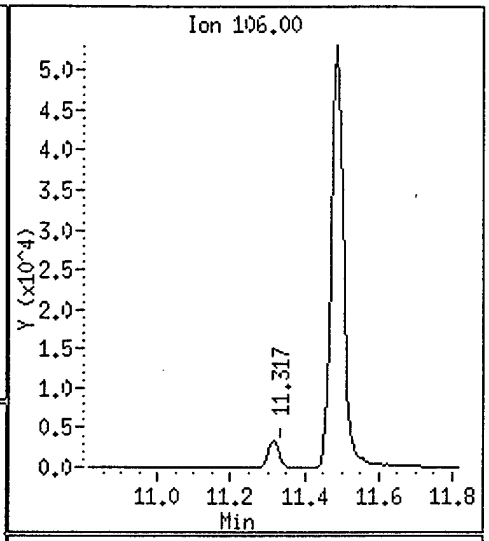
Operator: JC

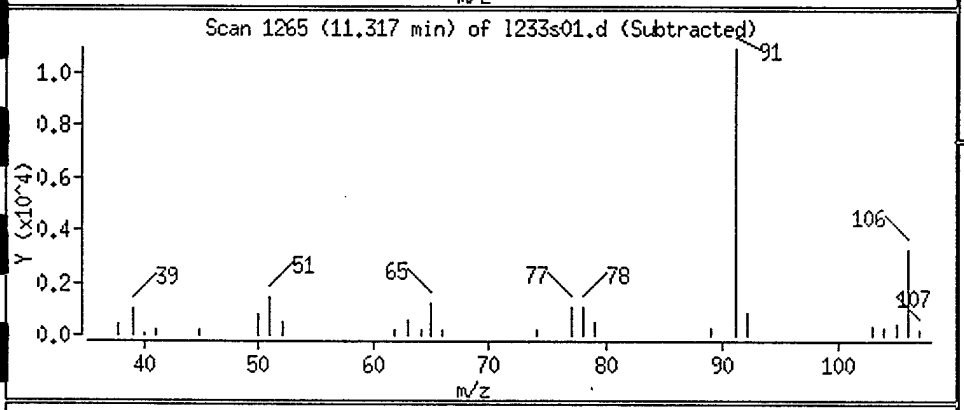
Column phase: 30m,hp5ms,0.25u df

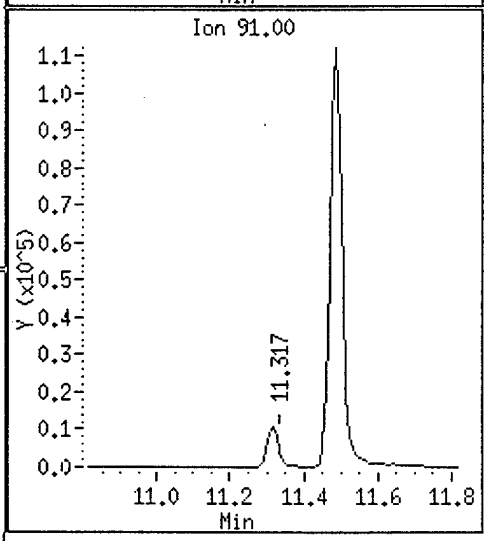
Column diameter: 0.25

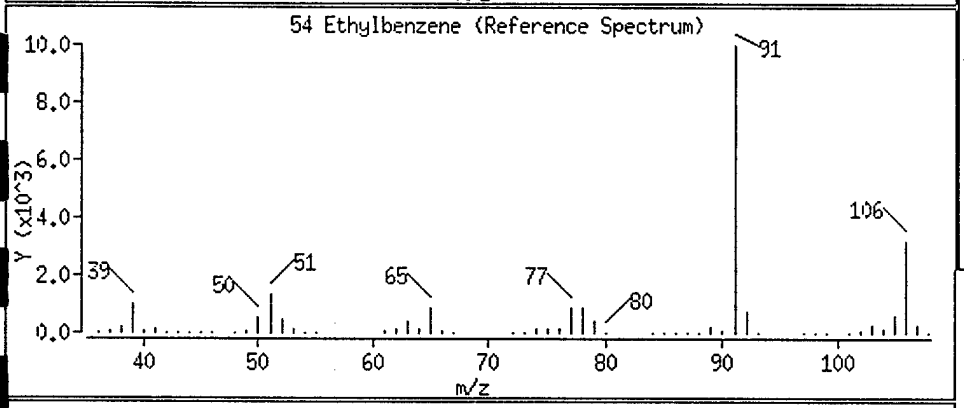
54 Ethylbenzene

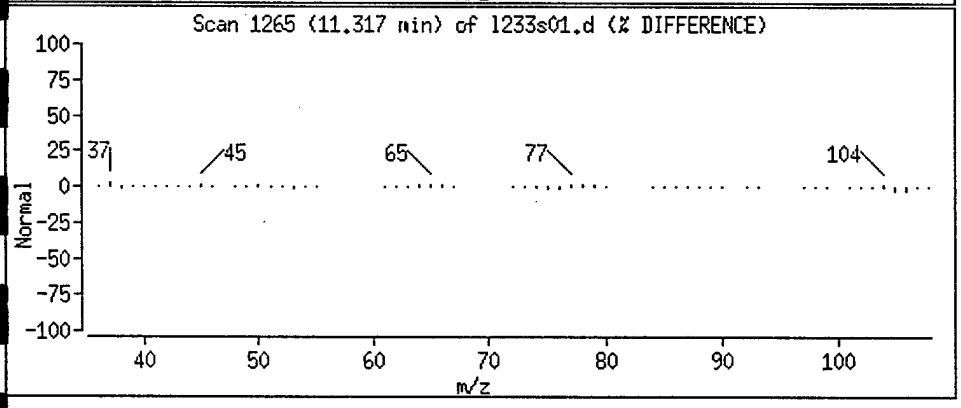












Data File: /chem/l.i/1950821.b/1233s01.d

Date : 21-AUG-1995 11:24

Client ID:

Instrument: l.i

Sample Info: 9508720-02A-8240W/1X

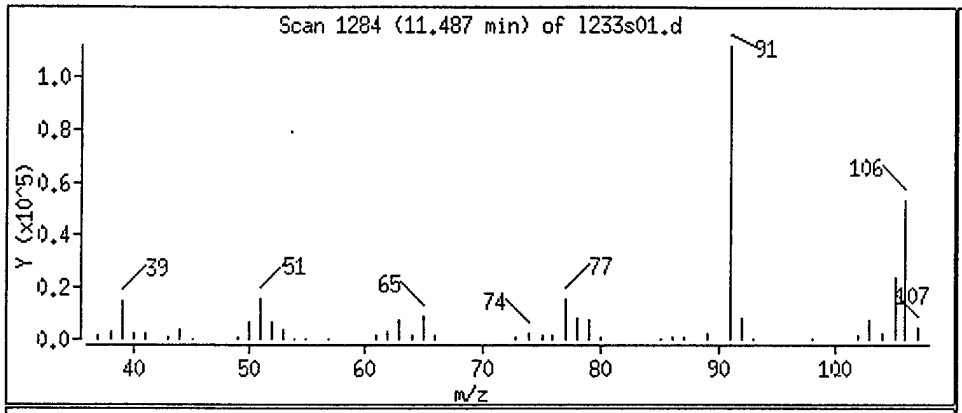
Purge Volume: 5.0

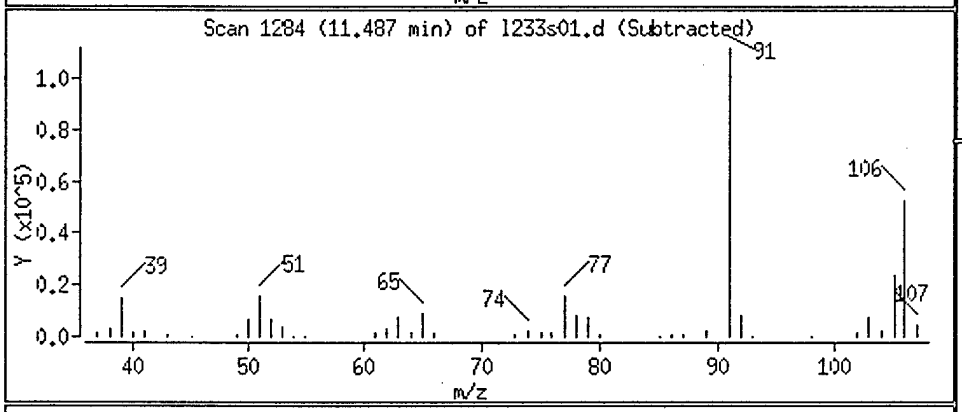
Operator: JC

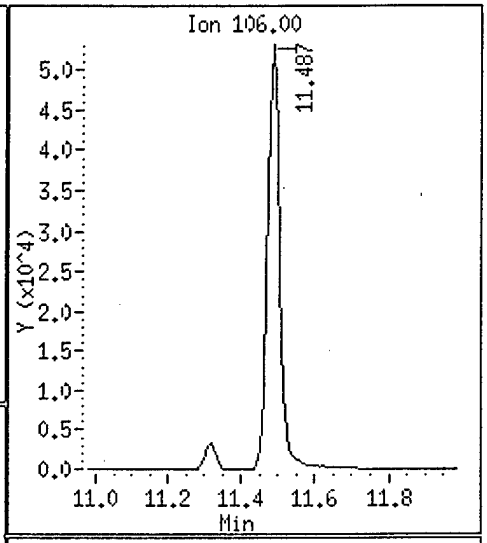
Column phase: 30m,hp5ms,0.25u df

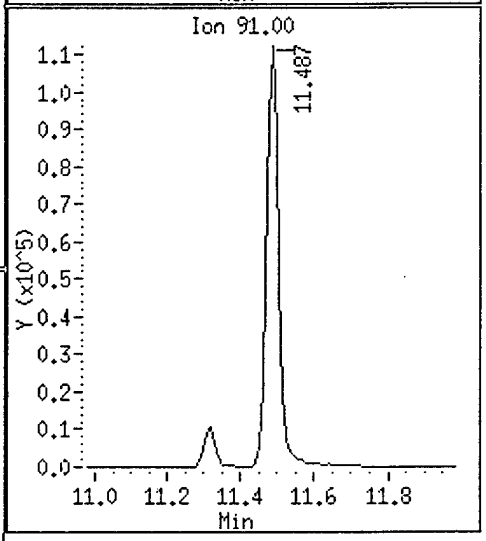
Column diameter: 0.25

55 m,p-Xylene(s)









Software Version: 3.2 <16C20>
Sample Name : 9508720-028 Time : 08/26/95 02:59
Sample Number: SC ;W;1 Study : GROW;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/26/95 02:37
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__680.raw
Result File : l:\data\tchrom\btex\hp_u\UU__680.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

0.21

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
	2.455	25534.63	3220.04	BV	1.0000e6	1.8951	0.4998		0.0255	0.4998
2	2.727	17398.37	2281.13	VB	1.0000e6	1.8951	0.4998		0.0174	0.4998
3	3.146	81901.90	8710.10	BV	1.0000e6	1.8951	0.4998		0.0819	0.4998
4	3.400	28134.74	2706.86	VV	1.0000e6	1.8951	0.4998		0.0281	0.4998
	3.876	65020.28	7142.35	VV	4.6208e5	1.8951	0.4998	Benzene	0.1407	0.4998
	4.253	374614.94	50441.32	VV	4089.0930	1.8951	0.4998	1,4-DIFLUOROBENZENE	91.6132	0.4998
7	4.791	1000614.56	99821.38	VV	----------	1.8951	0.4998	TFT	0.0000	0.4998
8	6.890	12061.16	587.26	VV	1.2807e6	1.8951	0.4998	Toluene	0.0094	0.4998
	7.907	77792.38	5898.65	VB	1.0000e6	1.8951	0.4998		0.0778	0.4998
	10.873	21112.66	2315.63	BV	3.7393e5	1.8951	0.4998	Ethyl_Benzene	0.0565	0.4998
11	11.137	353179.31	27536.46	VB	8.5599e5	1.8951	0.4998	m - Xylene	0.4126	0.4998
12	13.837	28031.56	4003.82	BV	9.9999e5	1.8951	0.4998		0.0280	0.4998
13	14.142	147956.42	39231.81	VV	1576.4498	1.8951	0.4998	4-BROMOFLUOROBENZENE	93.8542	0.4998
	14.326	23290.09	5788.76	VV	1.0000e6	1.8951	0.4998		0.0233	0.4998
	14.437	67455.99	12961.27	VV	1.0000e6	1.8951	0.4998		0.0675	0.4998
16	14.670	18014.82	5142.37	VV	1.0000e6	1.8951	0.4998		0.0180	0.4998
17	14.769	113618.34	36192.63	VV	1.0000e6	1.8951	0.4998		0.1136	0.4998
	14.983	9553.36	2542.59	VV	9.9999e5	1.8951	0.4998		0.0096	0.4998
	15.070	58133.98	20712.98	VV	1.0000e6	1.8951	0.4998		0.0581	0.4998
20	15.246	27734.05	8468.24	VV	1.0000e6	1.8951	0.4998		0.0277	0.4998
21	15.325	8416.72	2701.68	VV	1.0000e6	1.8951	0.4998		0.0084	0.4998
22	15.393	16190.45	3212.34	VV	1.0000e6	1.8951	0.4998		0.0162	0.4998
	15.533	14517.70	3431.75	VV	1.0000e6	1.8951	0.4998		0.0145	0.4998
	15.660	16584.84	2762.59	VV	1.0000e6	1.8951	0.4998		0.0166	0.4998
25	15.867	16806.55	4441.26	VV	1.0000e6	1.8951	0.4998		0.0168	0.4998
26	16.014	5770.38	1881.88	VV	1.0000e6	1.8951	0.4998		0.0058	0.4998
	16.098	1600.69	605.13	VV	1.0000e6	1.8951	0.4998		0.0016	0.4998
	16.202	6250.06	2460.50	VB	1.0000e6	1.8951	0.4998		0.0063	0.4998
		2637290.75	367202.75			53.0628	13.9942		186.7493	13.9942

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
	3.876	65020.28	7142.35	BV	4.6208e5	1.8951	0.0855	Benzene	0.1407	0.0855
4	6.890	12061.16	587.26	VV	1.2807e6	1.8951	0.0855	Toluene	0.0094	0.0855
	10.873	21112.66	2315.63	VV	3.7393e5	1.8951	0.0855	Ethyl_Benzene	0.0565	0.0855
	11.137	353179.31	27536.46	VB	8.5599e5	1.8951	0.0855	m - Xylene	0.4126	0.0855
	12.733	0.00	0.00	VV	----------	1.8951	0.0855	o-Xylene	0.0000	0.0855
		451373.41	37581.70			9.4755	0.4277		0.6192	0.4277

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM

2	4.253	374614.94	50441.32	VV	4089.0930	1.8951	0.2887	1,4-DIFLUOROBENZENE	91.6132	0.2887
3	4.791	1000614.56	99821.38	BV	----------	1.8951	0.2887	TFT	0.0000	0.2887
8	14.142	147956.42	39231.81	VV	1576.4498	1.8951	0.2887	4-BROMOFLUOROBENZENE	93.8542	0.2887
		1523185.88	189494.50			5.6853	0.8660		185.4674	0.8660

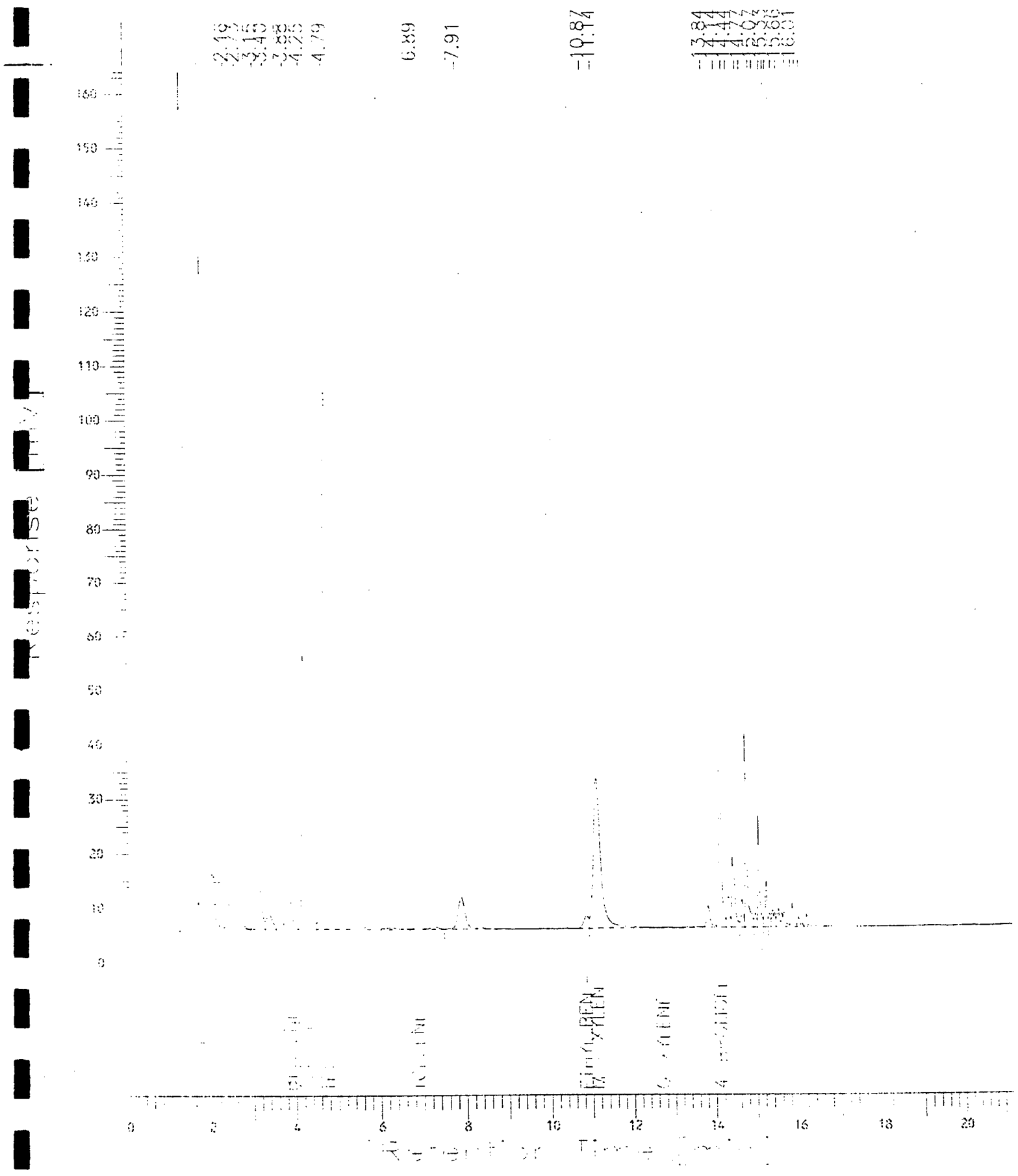
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__680.TXO

Chromatogram

Sample Name : 9508720-028
FileName : l:\data\tchrom\btex\hp_u\UU__680.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -2 mV

Sample #: SC ;W;1 Page 1 of 1
Date : 08/26/95 02:59
Time of Injection: 08/26/95 02:37
Low Point : -2.34 mV High Point : 164.08 mV
Plot Scale: 166 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 9508720-02D              Time         : 08/29/95  01:24
Sample Number: SC ;W                    Study        : DROW
Operator     : SEG

Instrument   : HP_T                     Channel : B      A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 08/29/95  12:55
Delay Time     : 0.50   min.
End Time       : 28.25  min.
Sampling Rate  : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\pest\hp_t\TT__017.raw
Result File    : l:\data\tchrom\pest\hp_t\TT__017.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : L:\DATA\TCHROM\PEST\METHODS\DIESELT.seq

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

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Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.602	139234.81	26709.51	BV	5.0000e5	0.4539	273.3789		0.2785
2	2.759	68490.13	9421.25	VV	5.0000e5	0.4539	273.3789		0.1370
3	2.866	24932.08	7872.47	VB	4.9999e5	0.4539	273.3789		0.0499
4	3.035	182917.13	31790.02	BE	5.0000e5	0.4539	273.3789		0.3658
5	3.230	32216.00	5862.79	EV	4.9999e5	0.4539	273.3789		0.0644
6	3.374	115073.56	32532.36	VV	5.0000e5	0.4539	273.3789		0.2302
7	3.487	142342.94	26348.66	VV	5.0000e5	0.4539	273.3789		0.2847
8	3.771	445874.50	63035.60	VE	5.0000e5	0.4539	273.3789		0.8918
9	3.944	61999.00	12106.00	EV	5.0000e5	0.4539	273.3789		0.1240
10	4.056	33162.83	9773.43	VV	5.0000e5	0.4539	273.3789		0.0663
11	4.168	211281.13	30258.65	VV	5.0000e5	0.4539	273.3789		0.4226
12	4.451	71004.53	9590.20	VV	5.0000e5	0.4539	273.3789		0.1420
13	4.685	103085.69	10959.80	VV	5.0000e5	0.4539	273.3789		0.2062
14	4.994	55557.97	7165.75	VV	5.0000e5	0.4539	273.3789		0.1111
15	5.188	170010.97	20331.85	VV	5.0000e5	0.4539	273.3789		0.3400
16	5.314	125489.56	30593.32	VV	5.0000e5	0.4539	273.3789		0.2510
17	5.412	83614.44	13454.24	VV	5.0000e5	0.4539	273.3789		0.1672
18	5.563	988184.06	113935.07	VE	1970.0000	0.4539	273.3789	2-FLUOROBIPHENYL	501.6163
19	6.022	231332.00	13844.21	EV	5.0000e5	0.4539	273.3789		0.4627
20	6.434	247345.38	27478.08	VV	5.0000e5	0.4539	273.3789		0.4947
21	6.631	59897.56	11012.13	VV	5.0000e5	0.4539	273.3789		0.1198
22	6.729	45072.23	9153.63	VV	5.0000e5	0.4539	273.3789		0.0901
23	6.850	77441.06	12780.14	VV	5.0000e5	0.4539	273.3789		0.1549
24	6.938	47701.03	13335.68	VV	5.0000e5	0.4539	273.3789		0.0954
25	6.997	77744.47	10967.93	VV	5.0000e5	0.4539	273.3789		0.1555
26	7.149	61391.83	11806.72	VV	5.0000e5	0.4539	273.3789		0.1228
27	7.284	80901.84	9555.19	VV	4.9999e5	0.4539	273.3789		0.1618
28	7.421	64316.95	11674.44	VV	5.0000e5	0.4539	273.3789		0.1286
29	7.483	72022.00	13886.84	VV	5.0000e5	0.4539	273.3789		0.1440
30	7.616	67163.05	12329.72	VV	4.9999e5	0.4539	273.3789		0.1343
31	7.707	126919.09	13402.82	VV	5.0000e5	0.4539	273.3789		0.2538
32	7.882	260887.69	29644.54	VV	1970.0000	0.4539	273.3789	Total Petroleum Hydr	132.4303
33	8.193	154058.00	10405.45	VV	5.0000e5	0.4539	273.3789		0.3081
34	8.452	92151.91	8705.16	VV	5.0000e5	0.4539	273.3789		0.1843
35	8.596	55625.66	8212.87	VV	5.0000e5	0.4539	273.3789		0.1113
36	8.720	57986.53	7620.48	VV	1970.0000	0.4539	273.3789	o-Terphenyl	29.4348
37	8.867	72664.38	11461.06	VV	5.0000e5	0.4539	273.3789		0.1453
38	8.982	56538.25	8537.27	VV	5.0000e5	0.4539	273.3789		0.1131
39	9.115	92348.31	6004.84	VV	5.0000e5	0.4539	273.3789		0.1847
40	9.517	51647.25	4809.55	VV	5.0000e5	0.4539	273.3789		0.1033
41	9.700	128087.67	42643.61	VE	5.0000e5	0.4539	273.3789		0.2562
42	9.825	16736.00	4157.06	EV	4.9999e5	0.4539	273.3789		0.0335
43	9.905	17388.47	3636.28	VV	5.0000e5	0.4539	273.3789		0.0348
44	10.031	37250.38	5091.59	VV	5.0000e5	0.4539	273.3789		0.0745
45	10.188	41742.31	4754.22	VV	5.0000e5	0.4539	273.3789		0.0835
46	10.522	9250.63	1064.48	VV	5.0000e5	0.4539	273.3789		0.0185
47	10.748	737.77	292.14	VB	5.0000e5	0.4539	273.3789		0.0015
48	10.970	308484.75	79784.83	BV	4.9999e5	0.4539	273.3789		0.6170
49	11.279	88040.94	10044.68	VV	4.9999e5	0.4539	273.3789		0.1761

50	11.618	63302.44	6446.48	VV	5.0000e5	0.4539	273.3789	0.1266
51	11.849	18681.13	2369.82	VV	4.9999e5	0.4539	273.3789	0.0374
52	12.042	9258.78	1871.93	VV	4.9999e5	0.4539	273.3789	0.0185
53	12.203	10830.31	1310.30	VV	5.0000e5	0.4539	273.3789	0.0217
54	12.350	13084.69	2331.17	VV	5.0000e5	0.4539	273.3789	0.0262
55	12.464	9747.31	2148.02	VV	5.0000e5	0.4539	273.3789	0.0195
56	12.712	35627.06	12098.28	VV	5.0000e5	0.4539	273.3789	0.0713
57	12.872	5958.66	1802.02	VE	5.0000e5	0.4539	273.3789	0.0119
58	12.992	410.00	150.99	EB	5.0000e5	0.4539	273.3789	0.0008
59	13.147	1304.50	241.00	BB	5.0000e5	0.4539	273.3789	0.0026
		6023552.00	910608.63			26.7771	16129.3565	672.9143

Group Report For : SURROGATES

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	5.563	988184.06	113935.07	BE	1970.0000	0.4539	47.4805	2-FLUOROBIPHENYL	501.6163
3	8.720	57986.53	7620.48	VV	1970.0000	0.4539	47.4805	o-Terphenyl	29.4348
		1046170.63	121555.56			0.9077	94.9609		531.0511

END

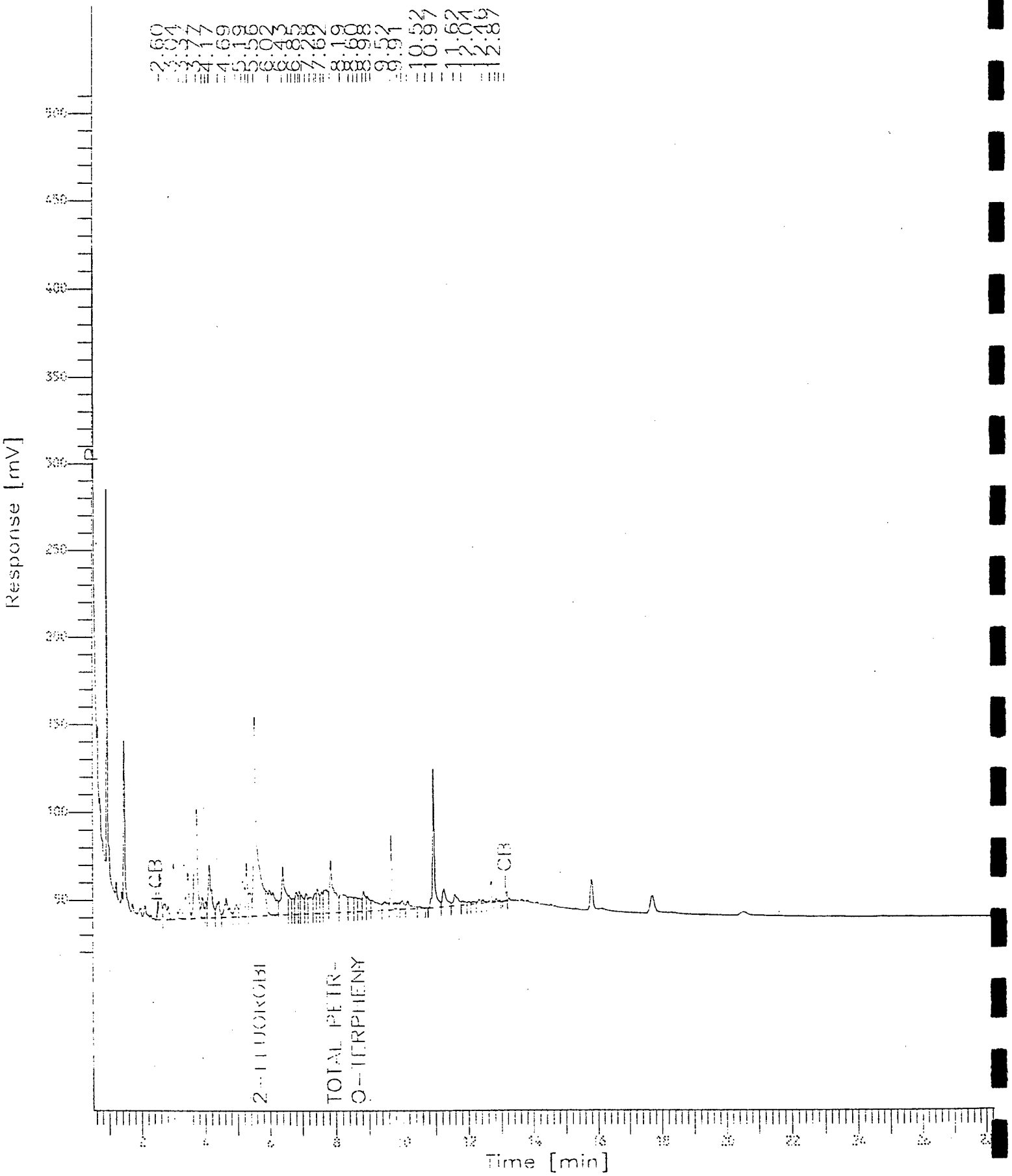
Report Stored in ASCII File: l:\data\tchrom\pest\hp_t\TT__017.TXO

602.35 - 12.80 (0.4829)(2.4/1000)

Chromatogram

Sample Name : 9508720-02D
FileName : l:\data\tchrom\pest\hp_t\TT__017.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 15 mV

Sample #: SC ;W
Date : 08/29/95 01:24
Time of Injection: 08/29/95 12:55
Low Point : 14.76 mV High Point : 517.42 mV
Plot Scale: 503 mV



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-03

Operational Tech
4100 N.W. Loop 410 Ste. 230
San Antonio, TX 78229
ATTN: Russ Cason

09/01/95

PROJECT: Minnesota ANG-B SI
SITE: Minneapolis, MN
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 1315-193
MATRIX: AQUEOUS
DATE SAMPLED: 08/05/95
DATE RECEIVED: 08/18/95

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Acetone	ND	100	ug/L
Benzene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
Bromoform	ND	5	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	20	ug/L
Carbon Disulfide	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Chloroethane	ND	10	ug/L
2-Chloroethylvinylether	ND	10	ug/L
Chloroform	ND	5	ug/L
Chloromethane	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,1-Dichloroethene	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
total-1,2-Dichloroethene	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Methylene Chloride	ND	5	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Trichlorofluoromethane	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Xylenes (total)	ND	5	ug/L

METHOD: 8240, Volatile Organics - Water

(continued on next page)

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9508720-03

Operational Tech

SAMPLE ID: Trip Blank

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
1,2-Dichloroethane-d4	50 ug/L	98	76	114
Toluene-d8	50 ug/L	100	88	110
4-Bromofluorobenzene	50 ug/L	100	86	115

ANALYZED BY: JC
DATE/TIME: 08/21/95 11:51:00
METHOD: 8240, Volatile Organics - Water
NOTES: * - Practical Quantitation Limit
ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950821.b/l233s02.d
Lab Smp Id: 9508720-03A
Inj Date : 21-AUG-1995 11:51
Operator : JC Inst ID: l.i
Smp Info : 9508720-03A-8240W/1X
Misc Info : L233W1/L233B01/L233CW1
Comment :
Method : /chem/l.i/l950821.b/lvoclpw.m
Meth Date : 21-Aug-1995 10:11 jimmy Quant Type: ISTD
Cal Date : 21-AUG-1995 09:36 Cal File: l233cw1.d
Als bottle: 7
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	23 Bromochloromethane	128.00	5.076	5.065	(1.000)	63831	250	
*	32 1,4-Difluorobenzene	114.00	6.796	6.785	(1.000)	299151	250	
	50 Chlorobenzene-d5	117.00	10.968	10.966	(1.000)	235385	250	
	26 1,2-Dichloroethane-d4	102.00	5.852	5.840	(1.153)	23488	250	49
$	43 Toluene-d8	98.00	9.016	9.014	(0.822)	315099	250	50
$	61 Bromofluorobenzene	95.00	12.644	12.642	(1.153)	105126	250	50

Data File: /chem/l.i/1950821.b/l233s02.d
Report Date: 22-Aug-1995 13:03

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l233s02.d
Lab Smp Id: 9508720-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/1950821.b/lvoclpw.m
Misc Info: L233W1/L233B01/L233CW1

Calibration Date: 08/21/95
Calibration Time: 0936

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66567	33284	133134	63831	-4.11
32 1,4-Difluorobenzene	322888	161444	645776	299151	-7.35
50 Chlorobenzene-d5	258976	129488	517952	235385	-9.11

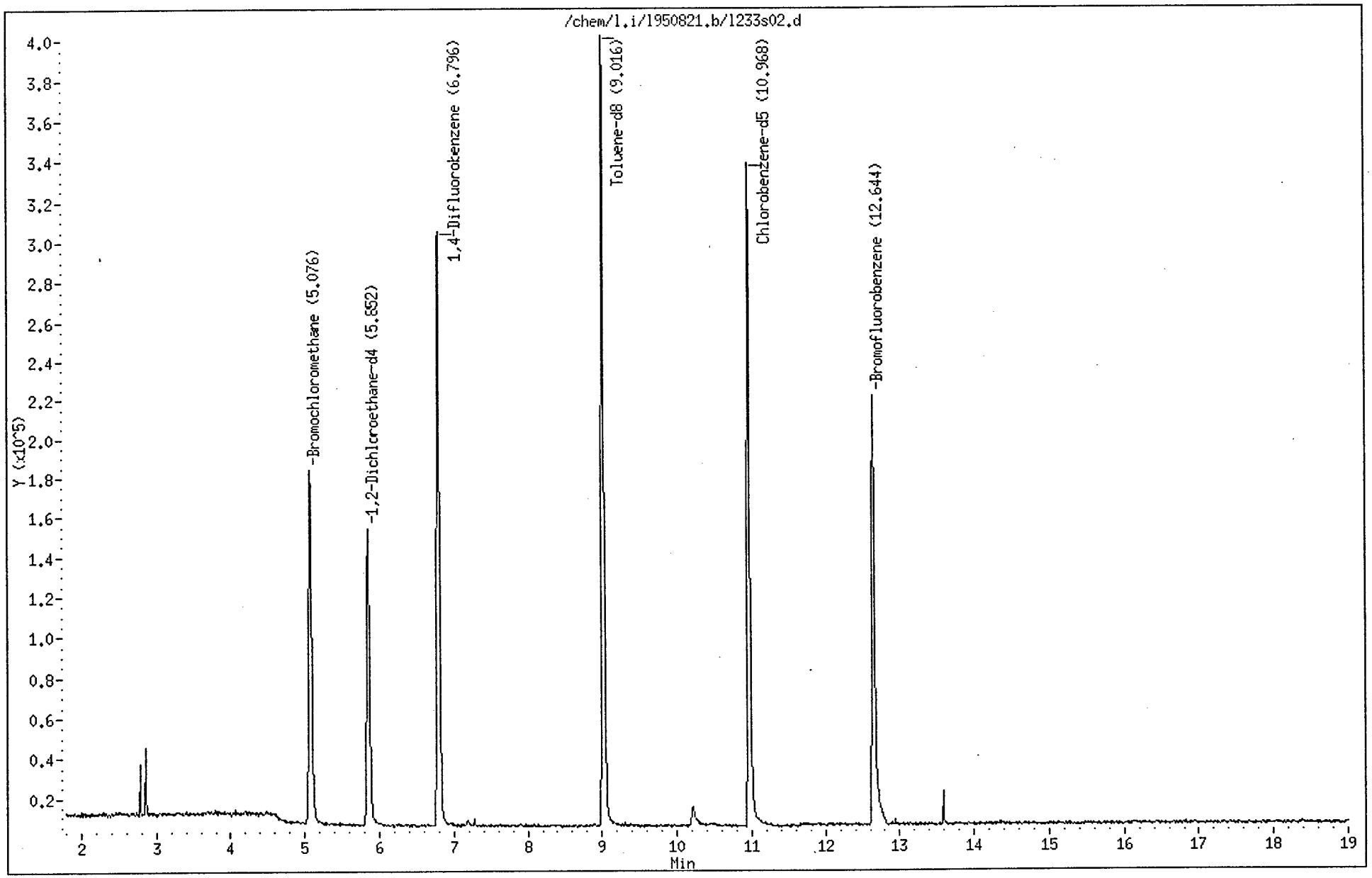
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.06	4.56	5.56	5.08	0.22
32 1,4-Difluorobenzene	6.79	6.29	7.29	6.80	0.16
50 Chlorobenzene-d5	10.97	10.47	11.47	10.97	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950821.b/1233s02.d
Date : 21-AUG-1995 11:51
Client ID:
Sample Info: 9508720-03A-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



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QUALITY CONTROL

DOCUMENTATION

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: SPL Case No.: 9508655 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 801-001MW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	54	108	61-145
Trichloroethene	50	0	52	104	71-120
Benzene	50	0	50	100	76-127
Toluene	50	0	51	102	76-125
Chlorobenzene	50	0	52	104	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	49	98	10	14	61-145
Trichloroethene	50	49	98	6	14	71-120
Benzene	50	48	96	4	11	76-127
Toluene	50	49	98	4	13	76-125
Chlorobenzene	50	49	98	6	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

for Idelis Williams, QC Office

Matrix: Aqueous
Sample ID: VLBLK
Batch: L950818104642

Reported on: 08/22/95 15:40
Analyzed on: 08/18/95 09:40
Analyst: JC

METHOD 8240/624 L230B01

Compound	Result	Detection Limit	Units
Chloromethane	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Bromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Trichlorofluoromethane	ND	5	ug/L
Acetone	ND	100	ug/L
1,1-Dichloroethene	ND	5	ug/L
Methylene Chloride	ND	5	ug/L
Carbon Disulfide	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,2-Dichloroethene (total)	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
2-Butanone	ND	20	ug/L
Chloroform	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
2-Chloroethylvinylether	ND	10	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Xylene (Total)	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
Bromoform	ND	5	ug/L

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

Matrix: Aqueous
Sample ID: VLBLK
Batch: L950818104642

Reported on: 08/22/95 15:4
Analyzed on: 08/18/95 09:40
Analyst: JC

METHOD 8240/624 L230B01

Compound	Result	Detection Limit	Units
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L

Surrogate	Result	QC Criteria	Units
1,2-Dichloroethane-d4	102	76-114	% Recovery
Toluene-d8	101	88-110	% Recovery
Bromofluorobenzene	87	86-115	% Recovery

Samples in Batch 9508720-01

Notes

ND - Not detected.

Cynthia Schreiner, QC Officer

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230b01.d
Lab Smp Id: VLBLK
Inj Date : 18-AUG-1995 09:40
Operator : JC
Inst ID: l.i
Smp Info : VLBLK-8240W/1X
Misc Info : L230W1//L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 18-Aug-1995 10:53 jimmy
Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12
Cal File: l230cw1.d
Als bottle: 3
QC Sample: BLANK
Dil Factor: 1.000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	23 Bromochloromethane	128.00	5.193	5.189	(1.000)	66893	250	
$	26 1,2-Dichloroethane-d4	102.00	5.968	5.965	(1.149)	25426	250	51
*	32 1,4-Difluorobenzene	114.00	6.904	6.901	(1.000)	326871	250	
$	43 Toluene-d8	98.00	9.124	9.120	(0.824)	343672	250	51
*	50 Chlorobenzene-d5	117.00	11.067	11.064	(1.000)	254159	250	
*	61 Bromofluorobenzene	95.00	12.743	12.740	(1.151)	105010	220	44

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230b01.d
Lab Smp Id: VLBLK
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1//L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	66893	-5.27
32 1,4-Difluorobenzene	343192	171596	686384	326871	-4.76
50 Chlorobenzene-d5	272188	136094	544376	254159	-6.62

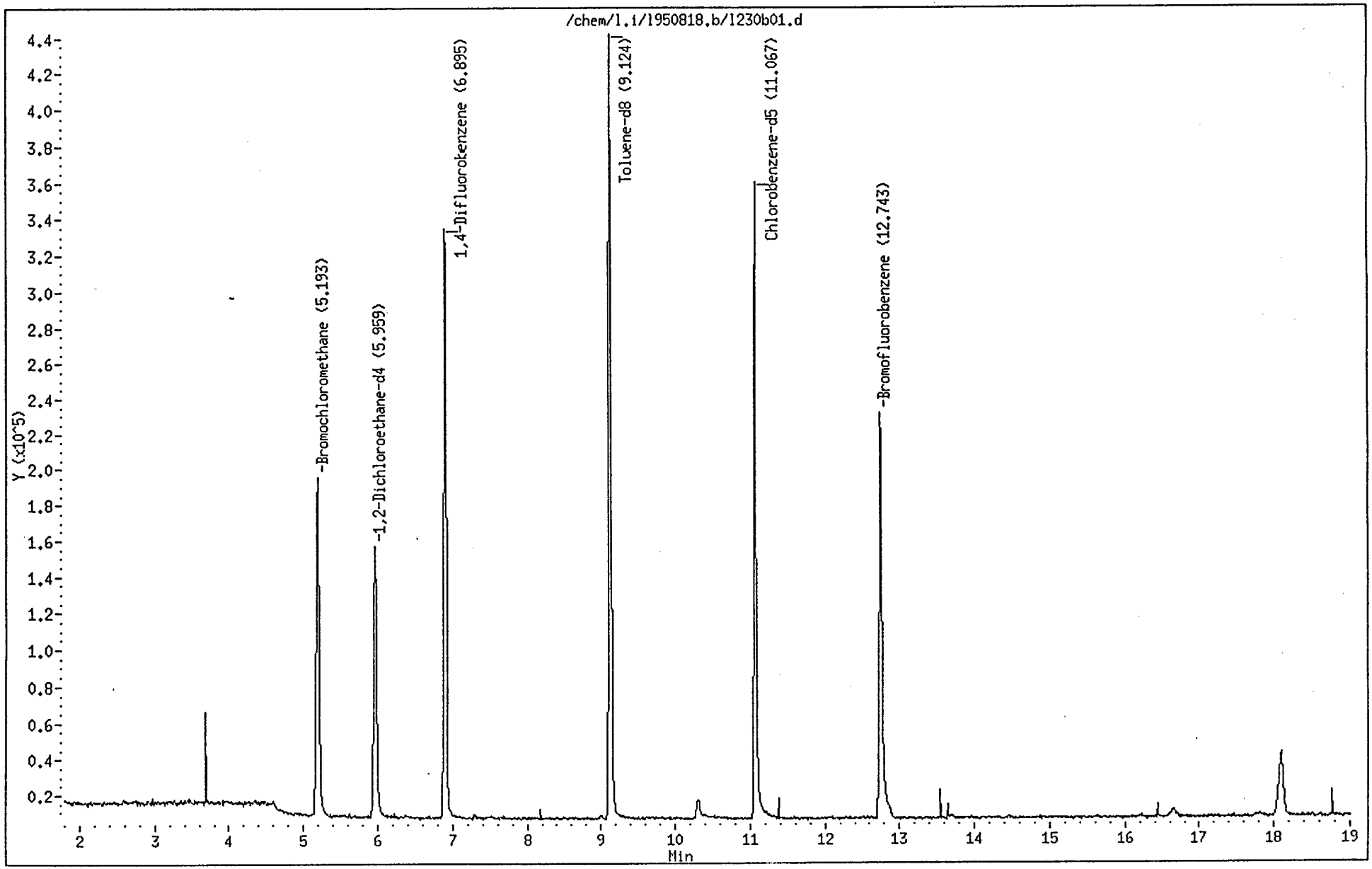
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.06
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.04
50 Chlorobenzene-d5	11.06	10.56	11.56	11.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/1230b01.d
Date : 18-AUG-95 09:40
Client ID:
Sample Info: VLBLK-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



Matrix: Aqueous
Sample ID: VLBLK
Batch: L950821104642

Reported on: 08/22/95 15:4
Analyzed on: 08/21/95 10:03
Analyst: JC

METHOD 8240 L233B01

Compound	Result	Detection Limit	Units
Chloromethane	ND	10	ug/L
Vinyl Chloride	ND	10	ug/L
Bromomethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Trichlorofluoromethane	ND	5	ug/L
Acetone	ND	100	ug/L
1,1-Dichloroethene	ND	5	ug/L
Methylene Chloride	ND	5	ug/L
Carbon Disulfide	ND	5	ug/L
1,1-Dichloroethane	ND	5	ug/L
1,2-Dichloroethene (total)	ND	5	ug/L
Vinyl Acetate	ND	10	ug/L
2-Butanone	ND	20	ug/L
Chloroform	ND	5	ug/L
1,1,1-Trichloroethane	ND	5	ug/L
1,2-Dichloroethane	ND	5	ug/L
Benzene	ND	5	ug/L
Carbon Tetrachloride	ND	5	ug/L
1,2-Dichloropropane	ND	5	ug/L
Trichloroethene	ND	5	ug/L
Bromodichloromethane	ND	5	ug/L
2-Chloroethylvinylether	ND	10	ug/L
4-Methyl-2-Pentanone	ND	10	ug/L
cis-1,3-Dichloropropene	ND	5	ug/L
trans-1,3-Dichloropropene	ND	5	ug/L
Toluene	ND	5	ug/L
1,1,2-Trichloroethane	ND	5	ug/L
2-Hexanone	ND	10	ug/L
Dibromochloromethane	ND	5	ug/L
Tetrachloroethene	ND	5	ug/L
Chlorobenzene	ND	5	ug/L
Xylene (Total)	ND	5	ug/L
Ethylbenzene	ND	5	ug/L
Bromoform	ND	5	ug/L

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

Matrix: Aqueous
Sample ID: VLBLK
Batch: L950821104642

Reported on: 08/22/95 15:40
Analyzed on: 08/21/95 10:03
Analyst: JC

METHOD 8240 L233B01

Compound	Result	Detection Limit	Units
Styrene	ND	5	ug/L
1,1,2,2-Tetrachloroethane	ND	5	ug/L

Surrogate	Result	QC Criteria	Units
1,2-Dichloroethane-d4	98	76-114	% Recovery
Toluene-d8	100	88-110	% Recovery
Bromofluorobenzene	89	86-115	% Recovery

Samples in Batch 9508720-02 9508720-03

Notes
ND - Not detected.

Cynthia Schreiner, QC Officer

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950821.b/l233b01.d
Lab Smp Id:
Inj Date : 21-AUG-95 10:03
Operator : JC Inst ID: l.i
Smp Info : VLBLK-8240W/1X
Misc Info : L233W1//L233CW1
Comment :
Method : /chem/l.i/l950821.b/lvoclpw.m
Meth Date : 21-Aug-1995 10:11 jimmy Quant Type: ISTD
Cal Date : 21-AUG-1995 09:36 Cal File: l233cw1.d
Als bottle: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 23 Bromochloromethane	128.00	5.074	5.065	(1.000)	63523	250	
* 32 1,4-Difluorobenzene	114.00	6.795	6.785	(1.000)	303350	250	
* 50 Chlorobenzene-d5	117.00	10.966	10.966	(1.000)	241713	250	
$ 26 1,2-Dichloroethane-d4	102.00	5.850	5.840	(1.153)	23283	240	49
$ 43 Toluene-d8	98.00	9.014	9.014	(0.822)	318292	250	50
$ 61 Bromofluorobenzene	95.00	12.642	12.642	(1.153)	96728	220	44

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l233b01.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950821.b/lvoclpw.m
Misc Info: L233W1//L233CW1

Calibration Date: 08/21/95
Calibration Time: 0936

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66567	33284	133134	63523	-4.57
32 1,4-Difluorobenzene	322888	161444	645776	303350	-6.05
50 Chlorobenzene-d5	258976	129488	517952	241713	-6.67

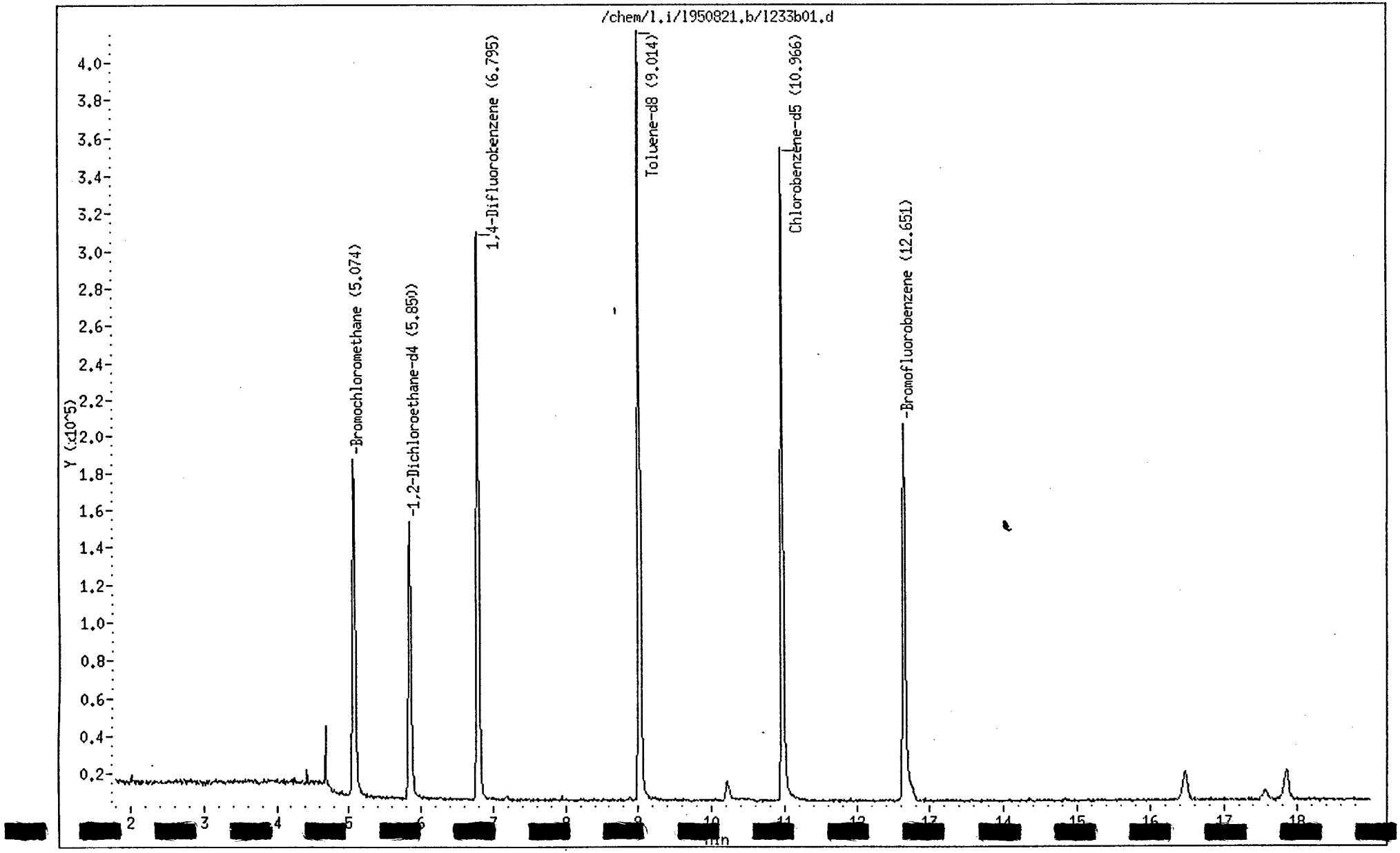
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.06	4.56	5.56	5.07	0.19
32 1,4-Difluorobenzene	6.79	6.29	7.29	6.79	0.14
50 Chlorobenzene-d5	10.97	10.47	11.47	10.97	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950821.b/1233b01.d
Date : 21-AUG-95 10:03
Client ID:
Sample Info: VLBLK-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/1.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

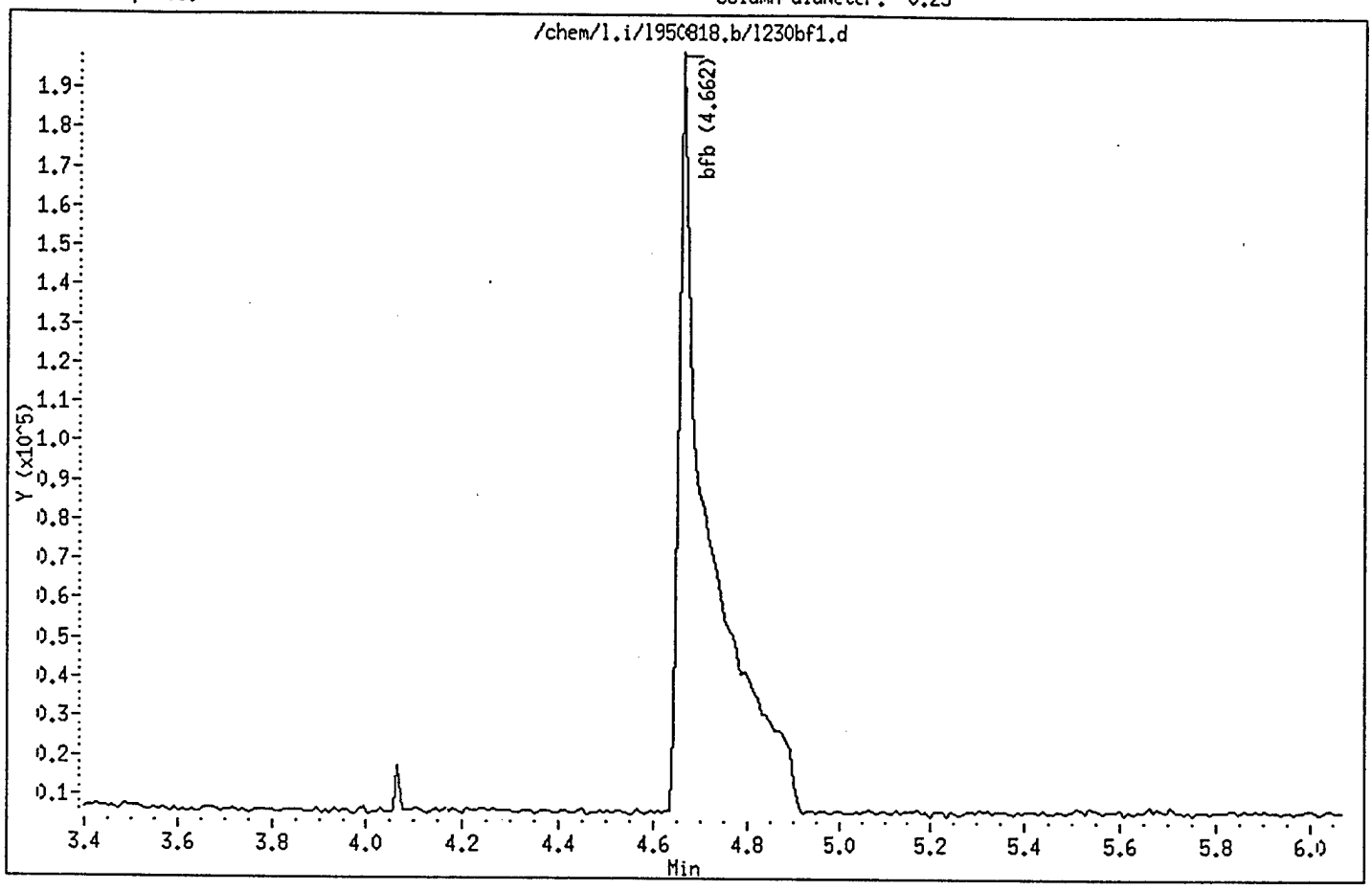
Instrument: 1.i

Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25



Data File: /chem/1.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

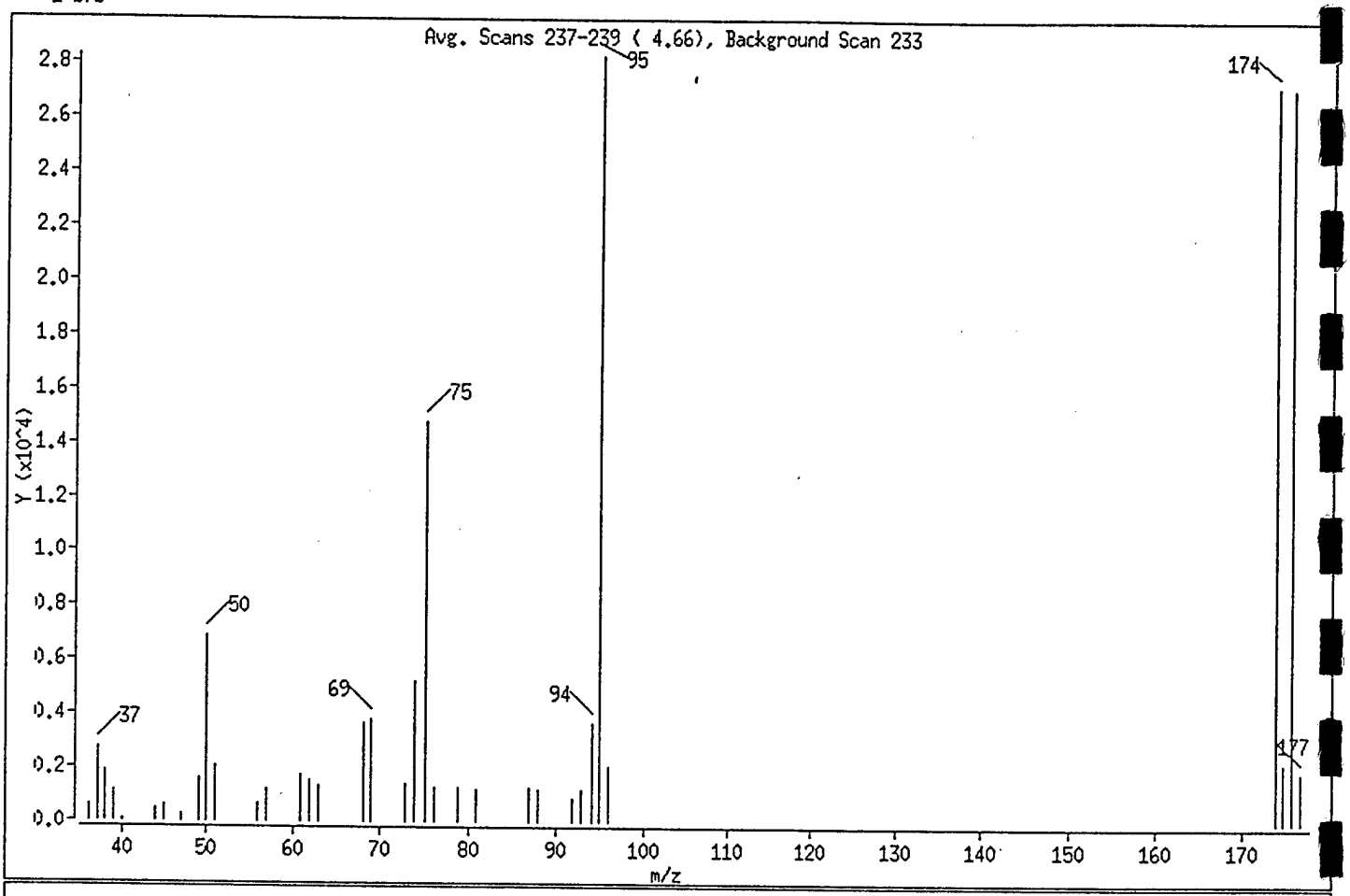
Instrument: 1.i

Sample Info: 50 NG BFB

Operator:

Column phase:
1 bfb

Column diameter: 0.25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.32
75	30.00 - 60.00% of mass 95	52.29
96	5.00 - 9.00% of mass 95	7.24
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	96.31
175	5.00 - 9.00% of mass 174	7.88 (8.18)
176	95.00 - 101.00% of mass 174	95.98 (99.65)
177	5.00 - 9.00% of mass 176	6.63 (6.91)

Data File: /chem/1.i/1950818.b/1230bf1.d

Date : 18-AUG-95 08:57

Client ID:

Instrument: 1.i

Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25

Data File: 1230bf1.d
Spectrum : Avg. Scans 237-239 (4.66), Background Scan 233
Largest m/z: 94.95
Number of peaks: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	628	49.90	6880	72.90	1435	92.90	1212
37.05	2730	50.90	2105	73.95	5194	94.05	3661
37.95	1881	55.95	697	75.05	14791	94.95	28288
39.05	1132	56.95	1204	76.05	1275	95.95	2047
39.95	87	60.95	1740	78.85	1277	173.95	27240
44.00	439	61.95	1554	80.85	1209	174.95	2229
45.00	588	62.95	1335	86.90	1251	175.85	27144
47.00	284	68.00	3709	88.00	1225	176.95	1875
49.00	1604	69.00	3807	91.90	886		

Data File: /chem/l.i/1950821.b/1233bf1.d

Date : 21-AUG-95 09:22

Client ID:

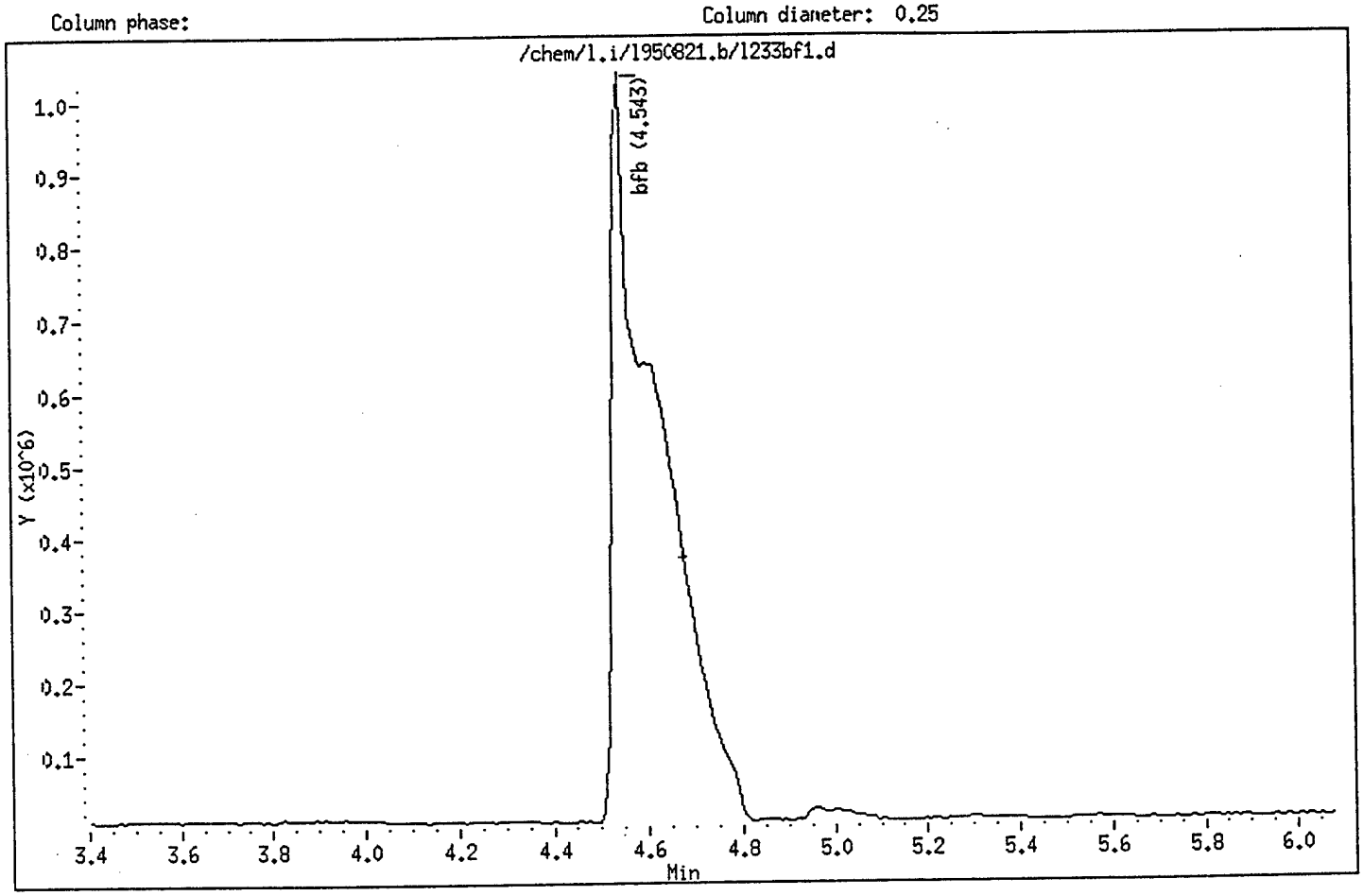
Sample Info: 50 NG BFB

Instrument: l.i

Operator:

Column phase:

Column diameter: 0.25



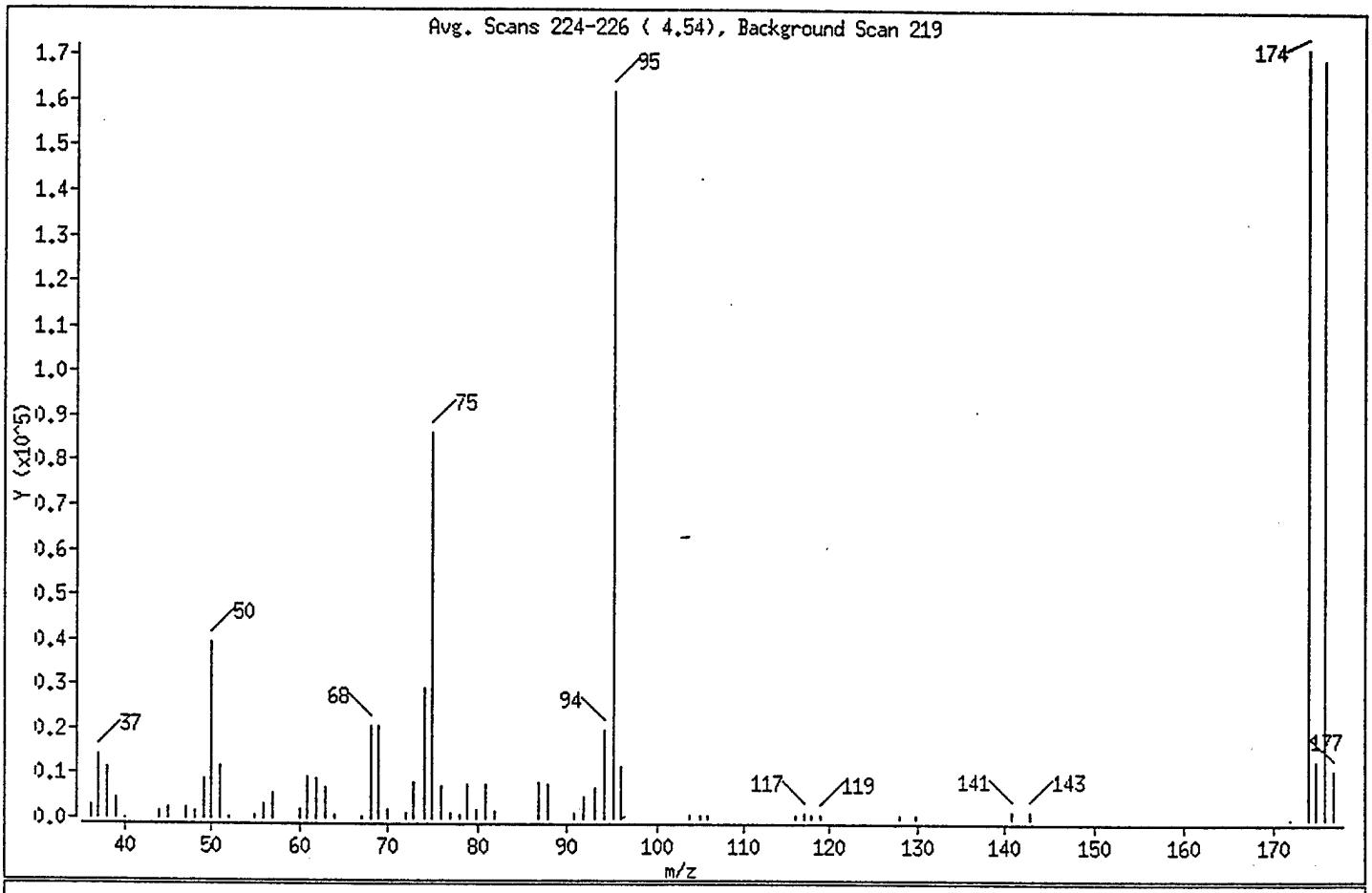
Data File: /chem/l.i/1950821.b/1233bf1.d
Date : 21-AUG-95 09:22
Client ID:
Sample Info: 50 NG BFB

Instrument: l.i

Operator:

Column phase:
1 bfb

Column diameter: 0.25



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.35
75	30.00 - 60.00% of mass 95	53.39
96	5.00 - 9.00% of mass 95	7.22
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	106.37
175	5.00 - 9.00% of mass 174	8.01 (7.53)
176	95.00 - 101.00% of mass 174	104.81 (98.54)
177	5.00 - 9.00% of mass 176	6.79 (6.47)

Data File: /chem/1.i/1950821.b/1233bf1.d

Date : 21-AUG-95 09:22

Client ID:

Instrument: 1.i

Sample Info: 50 NG BFB

Operator:

Column phase:

Column diameter: 0.25

Data File: 1233bf1.d
Spectrum : Avg. Scans 224-226 (4.54), Background Scan 219
Largest m/z: 173.95
Number of peaks: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	2880	59.95	1992	78.85	7818	116.95	1126
36.95	14266	60.95	9285	79.95	1903	117.85	688
37.95	11586	61.95	9136	80.85	7790	118.85	941
38.95	4573	62.95	6866	81.85	1498	127.90	624
40.05	91	64.00	689	86.90	8216	129.80	663
44.00	1441	67.00	234	87.90	7929	140.85	1718
45.00	2348	68.00	20816	90.80	1174	142.85	1731
47.00	2538	69.00	20688	91.90	4723	171.90	173
48.00	1477	70.00	1835	93.00	7071	173.95	172160
49.00	8877	72.00	1147	94.05	20040	174.95	12961
50.00	39416	72.90	8159	95.05	161856	175.95	169600
51.00	11939	74.05	29376	95.95	11684	176.95	10983
51.90	605	74.95	86416	103.90	835		
54.95	801	75.95	7316	105.00	883		
55.95	3439	76.95	1367	105.90	930		
56.95	5788	77.95	677	115.95	664		

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-1995 15:45
End Cal Date : 17-AUG-1995 17:36
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/l.i/l950818.b/lvoclpw.m
Cal Date : 24-Aug-1995 11:08 jimmy
Curve Type : Average

Calibration File Names:
Level 1: /chem/l.i/l950817.b/l229iw1.d
Level 2: /chem/l.i/l950817.b/l229iw2.d
Level 3: /chem/l.i/l950817.b/l229iw3.d
Level 4: /chem/l.i/l950817.b/l229iw4.d
Level 5: /chem/l.i/l950817.b/l229iw5.d

Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	___ RRF	% RSD
1 Chloromethane	2.58976	2.59404	2.60486	2.48539	2.42595	2.54000	3.149
2 Vinyl Chloride	2.32371	2.22549	2.10314	1.89447	1.65235	2.03983	13.208
3 Bromomethane	1.43322	1.37161	1.39258	1.37236	1.33533	1.38102	2.588
4 Chloroethane	1.09973	1.24271	1.29247	1.26887	1.24596	1.22995	6.138
7 Trichlorofluoromethane	1.45565	1.56390	1.72919	1.72613	1.80039	1.65505	8.531
8 Acetone	0.19817	0.21681	0.31211	0.32047	0.32940	0.27539	22.744
11 1,1-Dichloroethene	1.35792	1.35171	1.34070	1.32523	1.36071	1.34725	1.077
13 Methylene Chloride	1.75513	1.69217	1.68887	1.66888	1.67948	1.69691	1.991
14 Carbon Disulfide	5.00269	5.33905	5.54382	5.59681	5.73380	5.44324	5.221
15 trans-1,2-Dichloroethene	1.26229	1.27753	1.33454	1.41434	1.43916	1.34557	5.896
17 1,1-Dichloroethane	2.97227	3.01546	3.11019	3.12283	3.09974	3.06410	2.167
18 1,2-Dichloroethene (total)	1.53391	1.55615	1.60368	1.66283	1.68359	1.60803	4.044
19 Vinyl Acetate	4.02197	3.63241	3.37175	3.50313	3.55721	3.61729	6.785
20 2-Butanone	1.64130	1.21697	2.01546	1.94655	1.90298	1.74465	18.756
21 cis-1,2-Dichloroethene	1.80553	1.83477	1.87282	1.91133	1.92802	1.87049	2.736
24 Chloroform	3.06498	3.16947	3.19551	3.20354	3.22174	3.17105	1.962
27 1,1,1-Trichloroethane	0.39815	0.42300	0.42748	0.43255	0.44517	0.42527	4.064
28 1,2-Dichloroethane	2.73149	2.73693	2.90328	2.88474	2.90167	2.83162	3.152
30 Benzene	1.37895	1.41839	1.42282	1.43975	1.43831	1.41964	1.733
31 Carbon Tetrachloride	0.31685	0.34182	0.35615	0.36321	0.37546	0.35070	6.414
34 1,2-Dichloropropane	0.38944	0.40349	0.40376	0.40340	0.41040	0.40210	1.909
35 Trichloroethene	0.31571	0.34304	0.34183	0.34398	0.35455	0.33982	4.239
37 Bromodichloromethane	0.38479	0.39540	0.42178	0.43154	0.44311	0.41533	5.905
39 2-Chloroethylvinylether	0.16006	0.17410	0.19119	0.20229	0.21836	0.18920	12.118
40 4-Methyl-2-Pentanone	0.41505	0.41347	0.62789	0.64558	0.64377	0.54915	22.459
41 cis-1,3-Dichloropropene	0.46569	0.48998	0.51654	0.53100	0.54373	0.50939	6.195
42 trans-1,3-Dichloropropene	0.37080	0.41914	0.44976	0.46858	0.48825	0.43931	10.469

SPL Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-1995 15:45
End Cal Date : 17-AUG-1995 17:36
Quant Method : ISTD
Origin : Included
Target Version : 3.10
Integrator : HP RTE
Method file : /chem/1.i/1950818.b/1voclpw.m
Cal Date : 24-Aug-1995 11:08 jimmy
Curve Type : Average

	Compound	50 Level 1	100 Level 2	250 Level 3	500 Level 4	1000 Level 5	RRF	% RSD
	44 Toluene	0.83825	0.91018	0.92054	0.91663	0.91599	0.90032	3.875
	45 1,1,2-Trichloroethane	0.24779	0.26608	0.27708	0.27030	0.27117	0.26649	4.188
	46 2-Hexanone	0.24852	0.28198	0.64799	0.72091	0.73594	0.52707	45.839
	47 Dibromochloromethane	0.25908	0.28586	0.30160	0.32022	0.33523	0.30040	9.883
	49 Tetrachloroethene	0.33952	0.34315	0.33703	0.34178	0.34090	0.34047	0.686
	52 Chlorobenzene	0.87830	0.94161	0.95289	0.95207	0.97105	0.93918	3.795
M	53 Xylene (Total)	0.51502	0.54866	0.56793	0.57601	0.58107	0.55774	4.819
	54 Ethylbenzene	0.43081	0.45459	0.45721	0.47054	0.47719	0.45807	3.901
	55 m,p-Xylene(s)	0.51977	0.54721	0.57241	0.57867	0.58208	0.56002	4.701
	56 Bromoform	0.21022	0.23770	0.26252	0.28799	0.30770	0.26123	14.867
	57 Styrene	0.74531	0.82995	0.91854	0.92004	0.95260	0.87329	9.713
	59 o-Xylene	0.50554	0.55156	0.55899	0.57069	0.57905	0.55317	5.178
	60 1,1,2,2-Tetrachloroethane	0.44249	0.46092	0.48029	0.47858	0.49578	0.47161	4.333
$	26 1,2-Dichloroethane-d4	0.38141	0.39325	0.39665	0.40397	0.40509	0.39608	2.418
$	43 Toluene-d8	1.23570	1.27871	1.30306	1.30976	1.31941	1.28933	2.601
$	61 Bromofluorobenzene	0.40634	0.42926	0.45450	0.47396	0.48895	0.45060	7.399

Data File: /chem/l.i/l950817.b/l229iw1.d
Report Date: 24-Aug-1995 11:06

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw1.d
Lab Smp Id: VSTD010
Inj Date : 17-AUG-1995 15:45
Operator : JC Inst ID: l.i
Smp Info : VSTD010-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 15:45 Cal File: l229iw1.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Chloromethane	50.00	1.739	1.739	(0.336)	35559	50	50
2	Vinyl Chloride	62.00	1.855	1.855	(0.358)	31906	50	50
3	Bromomethane	94.00	2.087	2.087	(0.403)	19679	50	50
4	Chloroethane	64.00	2.167	2.167	(0.418)	15100	50	50
7	Trichlorofluoromethane	101.00	2.586	2.586	(0.499)	19987	50	50 (M)
8	Acetone	58.00	2.577	2.577	(0.498)	2721	50	50 (M)
11	1,1-Dichloroethene	96.00	2.996	2.996	(0.578)	18645	50	50 (M)
13	Methylene Chloride	84.00	3.219	3.219	(0.621)	24099	50	50
M 18	1,2-Dichloroethene (total)	96.00				42123	100	100
14	Carbon Disulfide	76.00	3.353	3.353	(0.647)	68690	50	50
15	trans-1,2-Dichloroethene	96.00	3.781	3.781	(0.730)	17332	50	50
17	1,1-Dichloroethane	63.00	4.119	4.119	(0.795)	40811	50	50
19	Vinyl Acetate	43.00	4.217	4.217	(0.814)	55224	50	50
20	2-Butanone	43.00	4.592	4.592	(0.886)	22536	50	50
21	cis-1,2-Dichloroethene	96.00	4.921	4.921	(0.950)	24791	50	50
24	Chloroform	83.00	5.198	5.198	(1.003)	42084	50	50
27	1,1,1-Trichloroethane	97.00	5.991	5.991	(0.869)	28713	50	50
28	1,2-Dichloroethane	62.00	6.071	6.071	(1.172)	37505	50	50
30	Benzene	78.00	6.428	6.428	(0.933)	99445	50	50
31	Carbon Tetrachloride	117.00	6.455	6.455	(0.937)	22850	50	50
34	1,2-Dichloropropane	63.00	7.417	7.417	(1.076)	28085	50	50
35	Trichloroethene	130.00	7.453	7.453	(1.081)	22768	50	50
37	Bromodichloromethane	83.00	7.640	7.640	(1.109)	27750	50	50
39	2-Chloroethylvinylether	63.00	8.246	8.246	(1.197)	11543	50	50
40	4-Methyl-2-Pentanone	43.00	8.478	8.478	(1.230)	29932	50	50
41	cis-1,3-Dichloropropene	75.00	8.505	8.505	(1.234)	33584	50	50
42	trans-1,3-Dichloropropene	75.00	9.138	9.138	(1.326)	26741	50	50
44	Toluene	92.00	9.218	9.218	(0.833)	47411	50	50
45	1,1,2-Trichloroethane	83.00	9.298	9.298	(1.349)	17870	50	50

Data File: /chem/l.i/l950817.b/l229iw1.d
Report Date: 24-Aug-1995 11:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.690	9.690	(0.875)	17559	50	50 (M)
	47 Dibromochloromethane	129.00	9.931	9.931	(1.441)	18684	50	50
	49 Tetrachloroethene	164.00	10.270	10.270	(0.928)	19203	50	50
	52 Chlorobenzene	112.00	11.117	11.117	(1.004)	49676	50	50
M	53 Xylene (Total)	106.00				87388	150	150
	54 Ethylbenzene	106.00	11.420	11.420	(1.031)	24366	50	50
	55 m,p-Xylene(s)	106.00	11.589	11.589	(1.047)	58795	100	100
	56 Bromoform	173.00	11.999	11.999	(1.084)	11890	50	50
	57 Styrene	104.00	12.053	12.053	(1.089)	42154	50	50
	59 o-Xylene	106.00	12.106	12.106	(1.093)	28593	50	50
	60 1,1,2,2-Tetrachloroethane	83.00	12.454	12.454	(1.125)	25027	50	50
*	23 Bromochloromethane	128.00	5.180	5.180	(1.000)	68653	250	
*	32 1,4-Difluorobenzene	114.00	6.891	6.891	(1.000)	360582	250	
*	50 Chlorobenzene-d5	117.00	11.072	11.072	(1.000)	282796	250	
$	26 1,2-Dichloroethane-d4	102.00	5.964	5.964	(1.151)	5237	50	50
$	43 Toluene-d8	98.00	9.120	9.120	(0.824)	69890	50	50
$	61 Bromofluorobenzene	95.00	12.748	12.748	(1.151)	22982	50	50

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/l.i/l950817.b/l229iw1.d
Report Date: 18-Aug-1995 09:50

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw1.d
Lab Smp Id: VSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

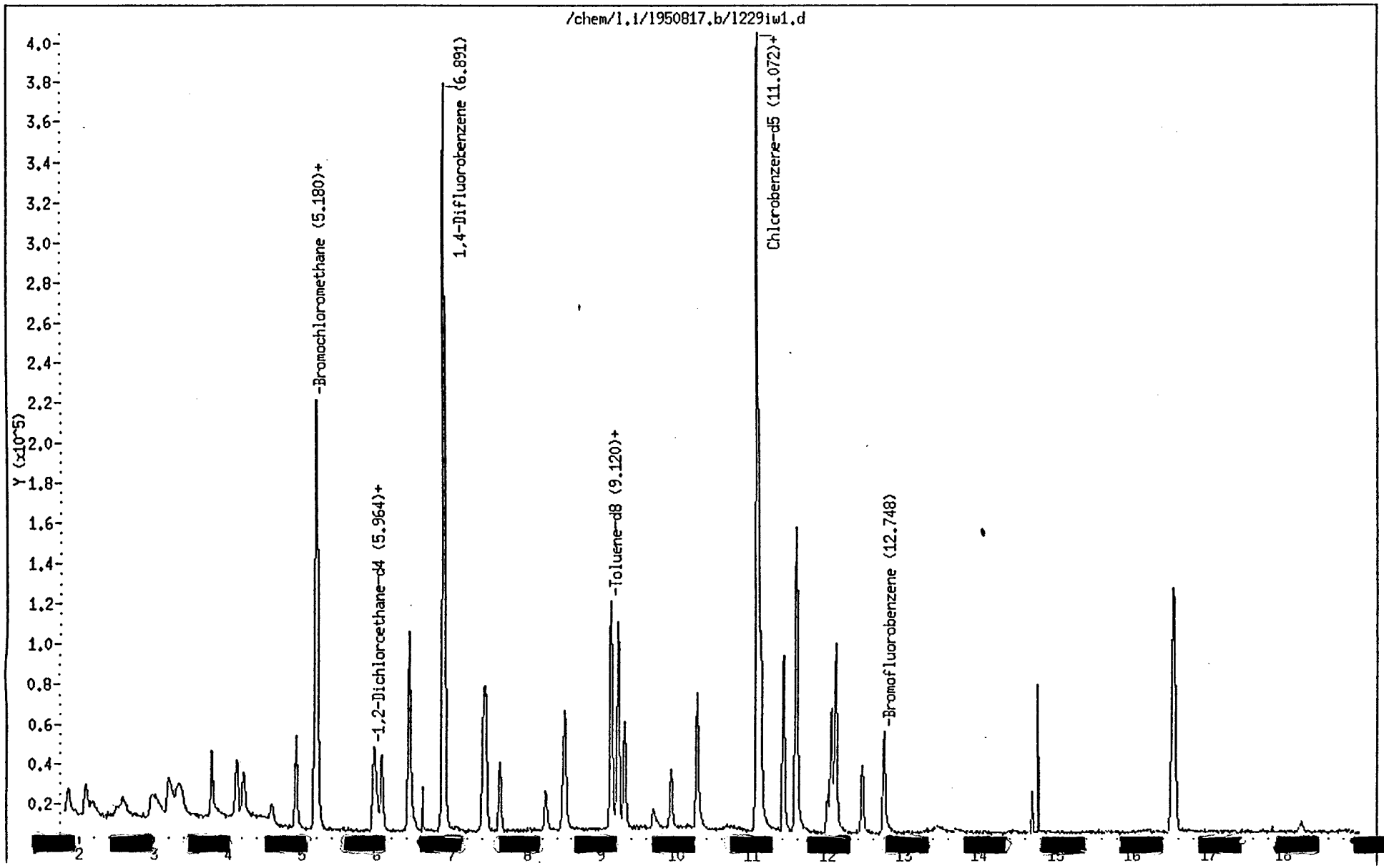
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	68653	3.88
32 1,4-Difluorobenzene	340174	170087	680348	360582	6.00
50 Chlorobenzene-d5	276497	138248	552994	282796	2.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.18	-0.24
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	-0.05
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw1.d
Date : 17-AUG-1995 15:45
Client ID:
Sample Info: VSTD010-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i
Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950817.b/l229iw2.d
Report Date: 24-Aug-1995 11:06

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw2.d
Lab Smp Id: VSTD020
Inj Date : 17-AUG-1995 16:13
Operator : JC Inst ID: l.i
Smp Info : VSTD020-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 16:13 Cal File: l229iw2.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1 Chloromethane	50.00	1.752	1.752	(0.337)	69730	100	100
2 Vinyl Chloride	62.00	1.859	1.859	(0.358)	59823	100	98
3 Bromomethane	94.00	2.091	2.091	(0.403)	36870	100	98
4 Chloroethane	64.00	2.180	2.180	(0.420)	33405	100	110
7 Trichlorofluoromethane	101.00	2.572	2.572	(0.495)	42039	100	100 (M)
8 Acetone	58.00	2.590	2.590	(0.499)	5828	100	100 (M)
11 1,1-Dichloroethene	96.00	3.036	3.036	(0.585)	36335	100	100 (M)
13 Methylene Chloride	84.00	3.223	3.223	(0.621)	45487	100	98
M 18 1,2-Dichloroethene (total)	96.00				83661	200	200
14 Carbon Disulfide	76.00	3.366	3.366	(0.648)	143518	100	100
15 trans-1,2-Dichloroethene	96.00	3.802	3.802	(0.732)	34341	100	100
17 1,1-Dichloroethane	63.00	4.132	4.132	(0.796)	81058	100	100
19 Vinyl Acetate	43.00	4.230	4.230	(0.815)	97642	100	95
20 2-Butanone	43.00	4.605	4.605	(0.887)	32713	100	85
21 cis-1,2-Dichloroethene	96.00	4.934	4.934	(0.950)	49320	100	100
24 Chloroform	83.00	5.211	5.211	(1.003)	85198	100	100
27 1,1,1-Trichloroethane	97.00	5.995	5.995	(0.868)	58150	100	100
28 1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	73571	100	100
30 Benzene	78.00	6.441	6.441	(0.933)	194988	100	100
31 Carbon Tetrachloride	117.00	6.468	6.468	(0.937)	46991	100	100
34 1,2-Dichloropropane	63.00	7.430	7.430	(1.076)	55468	100	100
35 Trichloroethene	130.00	7.457	7.457	(1.080)	47158	100	100
37 Bromodichloromethane	83.00	7.644	7.644	(1.107)	54356	100	100
39 2-Chloroethylvinylether	63.00	8.250	8.250	(1.195)	23934	100	100
40 4-Methyl-2-Pentanone	43.00	8.482	8.482	(1.228)	56840	100	100
41 cis-1,3-Dichloropropene	75.00	8.509	8.509	(1.232)	67359	100	100
42 trans-1,3-Dichloropropene	75.00	9.142	9.142	(1.324)	57620	100	110
44 Toluene	92.00	9.222	9.222	(0.833)	100757	100	100
45 1,1,2-Trichloroethane	83.00	9.302	9.302	(1.347)	36579	100	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.686	9.686	(0.874)	31215	100	95
	47 Dibromochloromethane	129.00	9.935	9.935	(1.439)	39298	100	100
	49 Tetrachloroethene	164.00	10.274	10.274	(0.928)	37987	100	100
	52 Chlorobenzene	112.00	11.121	11.121	(1.004)	104237	100	100
M	53 Xylene (Total)	106.00				182210	300	310
	54 Ethylbenzene	106.00	11.424	11.424	(1.031)	50323	100	100
	55 m,p-Xylene(s)	106.00	11.584	11.584	(1.046)	121152	200	200
	56 Bromoform	173.00	12.003	12.003	(1.084)	26313	100	110
	57 Styrene	104.00	12.048	12.048	(1.088)	91876	100	100
	59 o-Xylene	106.00	12.110	12.110	(1.093)	61058	100	100
	60 1,1,2,2-Tetrachloroethane	83.00	12.458	12.458	(1.125)	51024	100	100
*	23 Bromochloromethane	128.00	5.193	5.193	(1.000)	67202	250	
*	32 1,4-Difluorobenzene	114.00	6.904	6.904	(1.000)	343679	250	
*	50 Chlorobenzene-d5	117.00	11.076	11.076	(1.000)	276751	250	
$	26 1,2-Dichloroethane-d4	102.00	5.968	5.968	(1.149)	10571	100	100
$	43 Toluene-d8	98.00	9.124	9.124	(0.824)	141554	100	100
$	61 Bromofluorobenzene	95.00	12.743	12.743	(1.150)	47519	100	100

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw2.d
Lab Smp Id: VSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	67202	1.69
32 1,4-Difluorobenzene	340174	170087	680348	343679	1.03
50 Chlorobenzene-d5	276497	138248	552994	276751	0.09

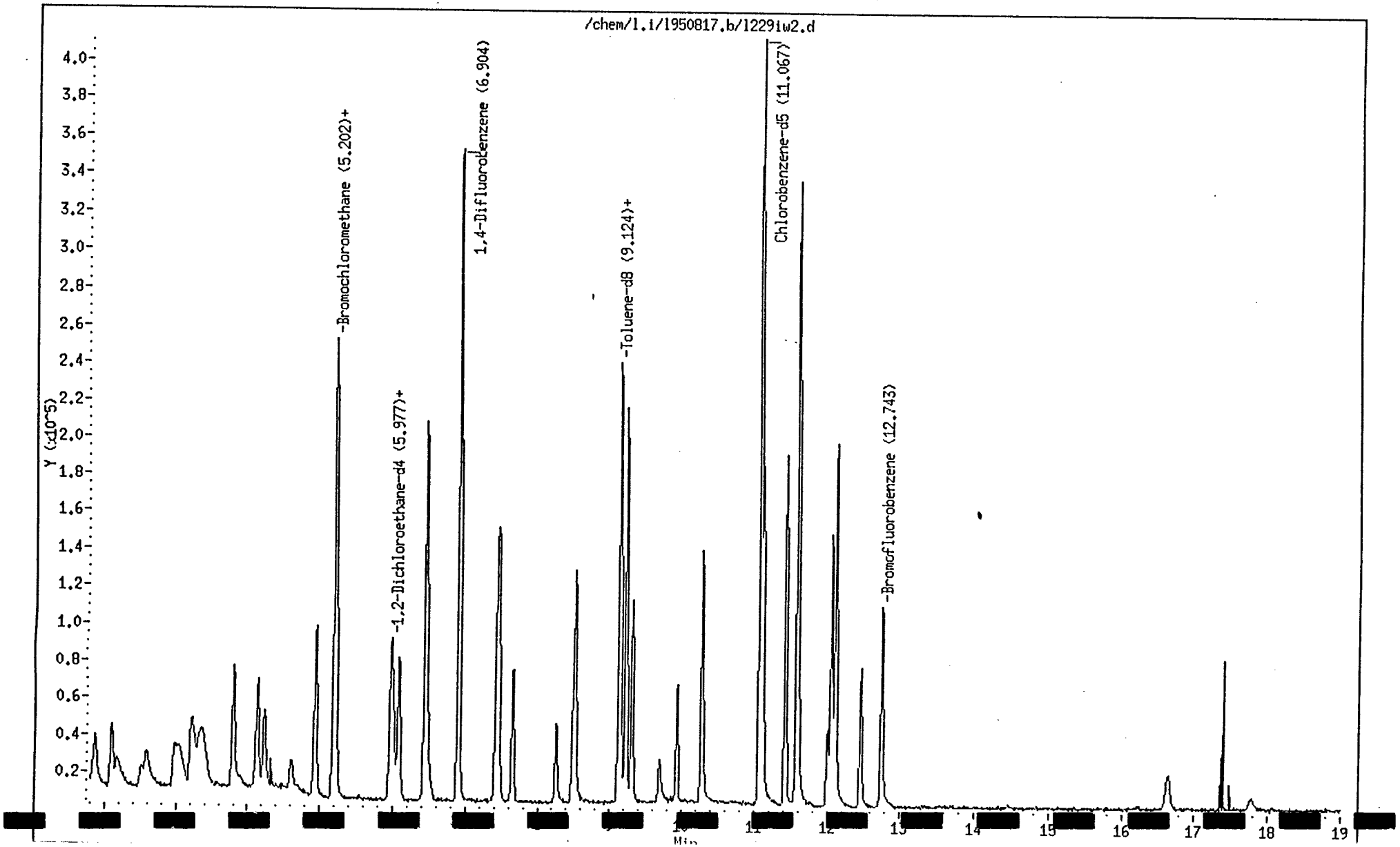
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.01
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.14
50 Chlorobenzene-d5	11.07	10.57	11.57	11.08	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw2.d
Date : 17-AUG-1995 16:13
Client ID:
Sample Info: VSTD020-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw3.d
Lab Smp Id: VSTD050
Inj Date : 17-AUG-1995 16:41
Operator : JC Inst ID: l.i
Smp Info : VSTD050-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 16:41 Cal File: l229iw3.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
1	Chloromethane	50.00	1.751	1.751	(0.337)	172150	250	250
2	Vinyl Chloride	62.00	1.858	1.858	(0.358)	138992	250	240
3	Bromomethane	94.00	2.090	2.090	(0.403)	92033	250	250
4	Chloroethane	64.00	2.162	2.162	(0.416)	85417	250	270
7	Trichlorofluoromethane	101.00	2.563	2.563	(0.494)	114279	250	270 (M)
8	Acetone	58.00	2.580	2.580	(0.497)	20627	250	320
11	1,1-Dichloroethene	96.00	2.973	2.973	(0.573)	88604	250	250 (M)
13	Methylene Chloride	84.00	3.213	3.213	(0.619)	111614	250	250
18	1,2-Dichloroethene (total)	96.00				211968	500	510
14	Carbon Disulfide	76.00	3.356	3.356	(0.646)	366380	250	260
15	trans-1,2-Dichloroethene	96.00	3.784	3.784	(0.729)	88197	250	260
17	1,1-Dichloroethane	63.00	4.123	4.123	(0.794)	205546	250	260
19	Vinyl Acetate	43.00	4.221	4.221	(0.813)	222832	250	230
20	2-Butanone	43.00	4.586	4.586	(0.883)	133198	250	310
21	cis-1,2-Dichloroethene	96.00	4.925	4.925	(0.948)	123771	250	250
24	Chloroform	83.00	5.201	5.201	(1.002)	211185	250	250
27	1,1,1-Trichloroethane	97.00	5.995	5.995	(0.869)	145417	250	260
28	1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	191872	250	260
30	Benzene	78.00	6.440	6.440	(0.934)	484006	250	250
31	Carbon Tetrachloride	117.00	6.458	6.458	(0.937)	121153	250	260
34	1,2-Dichloropropane	63.00	7.421	7.421	(1.076)	137350	250	250
35	Trichloroethene	130.00	7.456	7.456	(1.081)	116283	250	260
37	Bromodichloromethane	83.00	7.644	7.644	(1.109)	143478	250	260
39	2-Chloroethylvinylether	63.00	8.250	8.250	(1.196)	65039	250	270
40	4-Methyl-2-Pentanone	43.00	8.481	8.481	(1.230)	213591	250	320
41	cis-1,3-Dichloropropene	75.00	8.508	8.508	(1.234)	175712	250	260
42	trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.326)	152995	250	270
44	Toluene	92.00	9.221	9.221	(0.833)	254526	250	260
45	1,1,2-Trichloroethane	83.00	9.302	9.302	(1.349)	94254	250	260

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.685	9.685	(0.875)	179166	250	390
	47 Dibromochloromethane	129.00	9.934	9.934	(1.441)	102598	250	270
	49 Tetrachloroethene	164.00	10.273	10.273	(0.928)	93187	250	250
	52 Chlorobenzene	112.00	11.120	11.120	(1.005)	263472	250	260
M	53 Xylene (Total)	106.00				471096	750	780
	54 Ethylbenzene	106.00	11.414	11.414	(1.031)	126416	250	260
	55 m,p-Xylene(s)	106.00	11.584	11.584	(1.047)	316537	500	520
	56 Bromoform	173.00	12.002	12.002	(1.085)	72587	250	280
	57 Styrene	104.00	12.047	12.047	(1.089)	253974	250	280
	59 o-Xylene	106.00	12.109	12.109	(1.094)	154559	250	260
	60 1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.126)	132799	250	260
*	23 Bromochloromethane	128.00	5.192	5.192	(1.000)	66088	250	
*	32 1,4-Difluorobenzene	114.00	6.895	6.895	(1.000)	340174	250	
*	50 Chlorobenzene-d5	117.00	11.067	11.067	(1.000)	276497	250	
$	26 1,2-Dichloroethane-d4	102.00	5.959	5.959	(1.148)	26214	250	250
$	43 Toluene-d8	98.00	9.123	9.123	(0.824)	360293	250	260
$	61 Bromofluorobenzene	95.00	12.742	12.742	(1.151)	125668	250	260

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw3.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	66088	0.00
32 1,4-Difluorobenzene	340174	170087	680348	340174	0.00
50 Chlorobenzene-d5	276497	138248	552994	276497	0.00

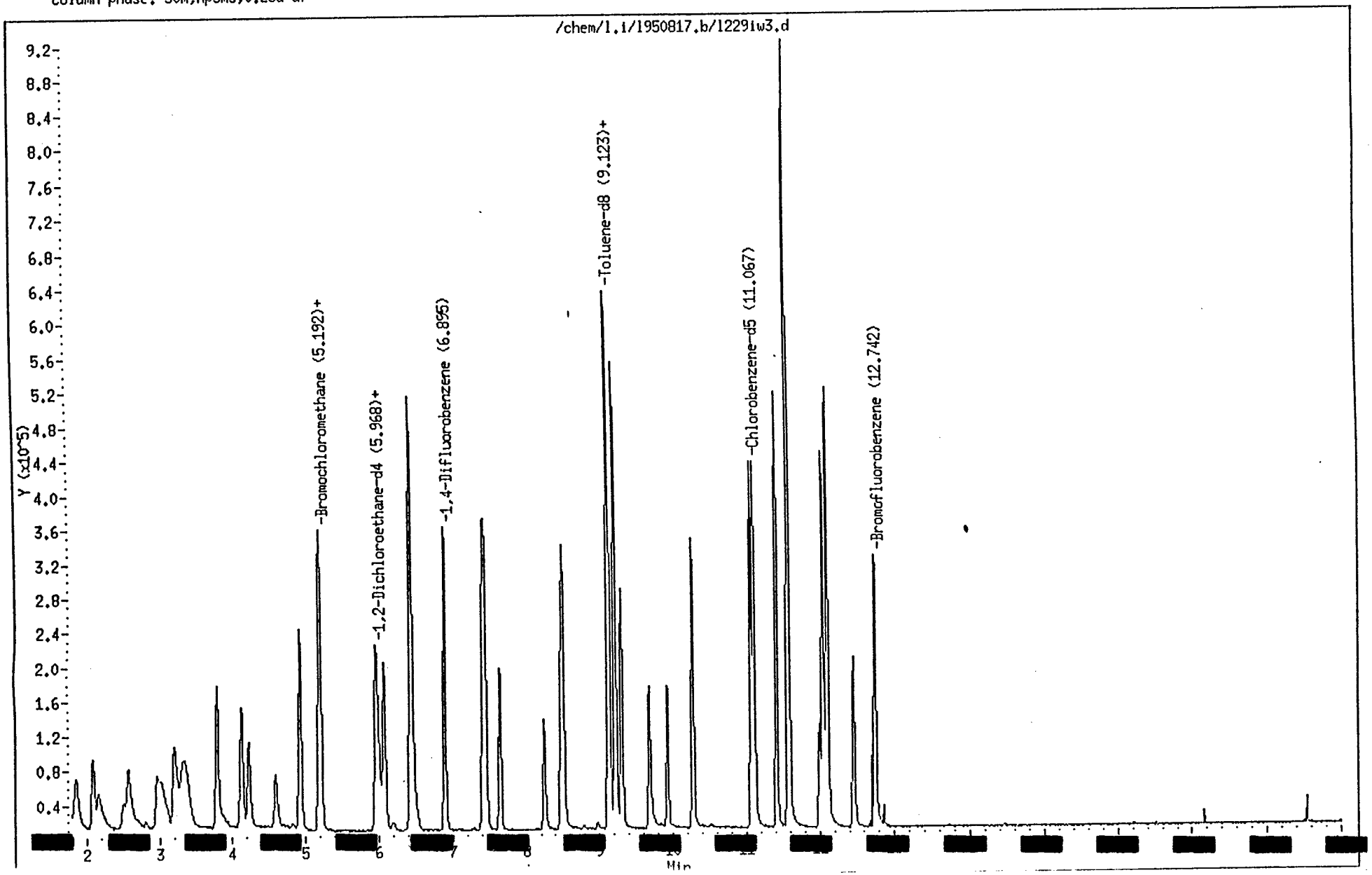
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.89	0.00
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw3.d
Date : 17-AUG-1995 16:41
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950817.b/l229iw4.d
Report Date: 24-Aug-1995 11:06

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw4.d
Lab Smp Id: VSTD100
Inj Date : 17-AUG-1995 17:09
Operator : JC Inst ID: l.i
Smp Info : VSTD100-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 17:09 Cal File: l229iw4.d
Vials bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1 Chloromethane	50.00	1.752	1.752	(0.337)	322365	500	480
2 Vinyl Chloride	62.00	1.859	1.859	(0.358)	245720	500	440
3 Bromomethane	94.00	2.091	2.091	(0.403)	178001	500	490
4 Chloroethane	64.00	2.171	2.171	(0.418)	164578	500	520
7 Trichlorofluoromethane	101.00	2.572	2.572	(0.495)	223886	500	530(M)
8 Acetone	58.00	2.581	2.581	(0.497)	41566	500	610
11 1,1-Dichloroethene	96.00	2.982	2.982	(0.574)	171888	500	490(M)
13 Methylene Chloride	84.00	3.214	3.214	(0.619)	216460	500	490
18 1,2-Dichloroethene (total)	96.00				431352	1000	1000
14 Carbon Disulfide	76.00	3.347	3.347	(0.645)	725929	500	520
15 trans-1,2-Dichloroethene	96.00	3.793	3.793	(0.730)	183445	500	530
17 1,1-Dichloroethane	63.00	4.123	4.123	(0.794)	405044	500	510
19 Vinyl Acetate	43.00	4.221	4.221	(0.813)	454370	500	480
20 2-Butanone	43.00	4.586	4.586	(0.883)	252475	500	570
21 cis-1,2-Dichloroethene	96.00	4.925	4.925	(0.949)	247907	500	510
24 Chloroform	83.00	5.202	5.202	(1.002)	415512	500	510
27 1,1,1-Trichloroethane	97.00	5.995	5.995	(0.869)	290132	500	510
28 1,2-Dichloroethane	62.00	6.075	6.075	(1.170)	374162	500	510
30 Benzene	78.00	6.441	6.441	(0.934)	965712	500	510
31 Carbon Tetrachloride	117.00	6.467	6.467	(0.938)	243620	500	530
34 1,2-Dichloropropane	63.00	7.421	7.421	(1.076)	270577	500	500
35 Trichloroethene	130.00	7.457	7.457	(1.081)	230725	500	510
37 Bromodichloromethane	83.00	7.644	7.644	(1.109)	289457	500	530
39 2-Chloroethylvinylether	63.00	8.250	8.250	(1.196)	135688	500	560
40 4-Methyl-2-Pentanone	43.00	8.482	8.482	(1.230)	433021	500	610
41 cis-1,3-Dichloropropene	75.00	8.509	8.509	(1.234)	356168	500	530
42 trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.326)	314302	500	550
44 Toluene	92.00	9.222	9.222	(0.833)	500492	500	510
45 1,1,2-Trichloroethane	83.00	9.302	9.302	(1.349)	181304	500	510

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.676	9.676	(0.874)	393628	500	740
	47 Dibromochloromethane	129.00	9.935	9.935	(1.441)	214786	500	550
	49 Tetrachloroethene	164.00	10.274	10.274	(0.928)	186614	500	500
	52 Chlorobenzene	112.00	11.120	11.120	(1.005)	519841	500	510
M	53 Xylene (Total)	106.00				943523	1500	1600
	54 Ethylbenzene	106.00	11.415	11.415	(1.031)	256924	500	520
	55 m,p-Xylene(s)	106.00	11.584	11.584	(1.047)	631921	1000	1000
	56 Bromoform	173.00	12.003	12.003	(1.085)	157248	500	580
	57 Styrene	104.00	12.047	12.047	(1.089)	502352	500	540
	59 o-Xylene	106.00	12.110	12.110	(1.094)	311602	500	520
	60 1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.126)	261309	500	510
*	23 Bromochloromethane	128.00	5.193	5.193	(1.000)	64852	250	
*	32 1,4-Difluorobenzene	114.00	6.895	6.895	(1.000)	335374	250	
*	50 Chlorobenzene-d5	117.00	11.067	11.067	(1.000)	273007	250	
$	26 1,2-Dichloroethane-d4	102.00	5.959	5.959	(1.148)	52397	500	510
$	43 Toluene-d8	98.00	9.124	9.124	(0.824)	715149	500	510
$	61 Bromofluorobenzene	95.00	12.743	12.743	(1.151)	258787	500	540

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw4.d
Lab Smp Id: VSTD100
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	64852	-1.87
32 1,4-Difluorobenzene	340174	170087	680348	335374	-1.41
50 Chlorobenzene-d5	276497	138248	552994	273007	-1.26

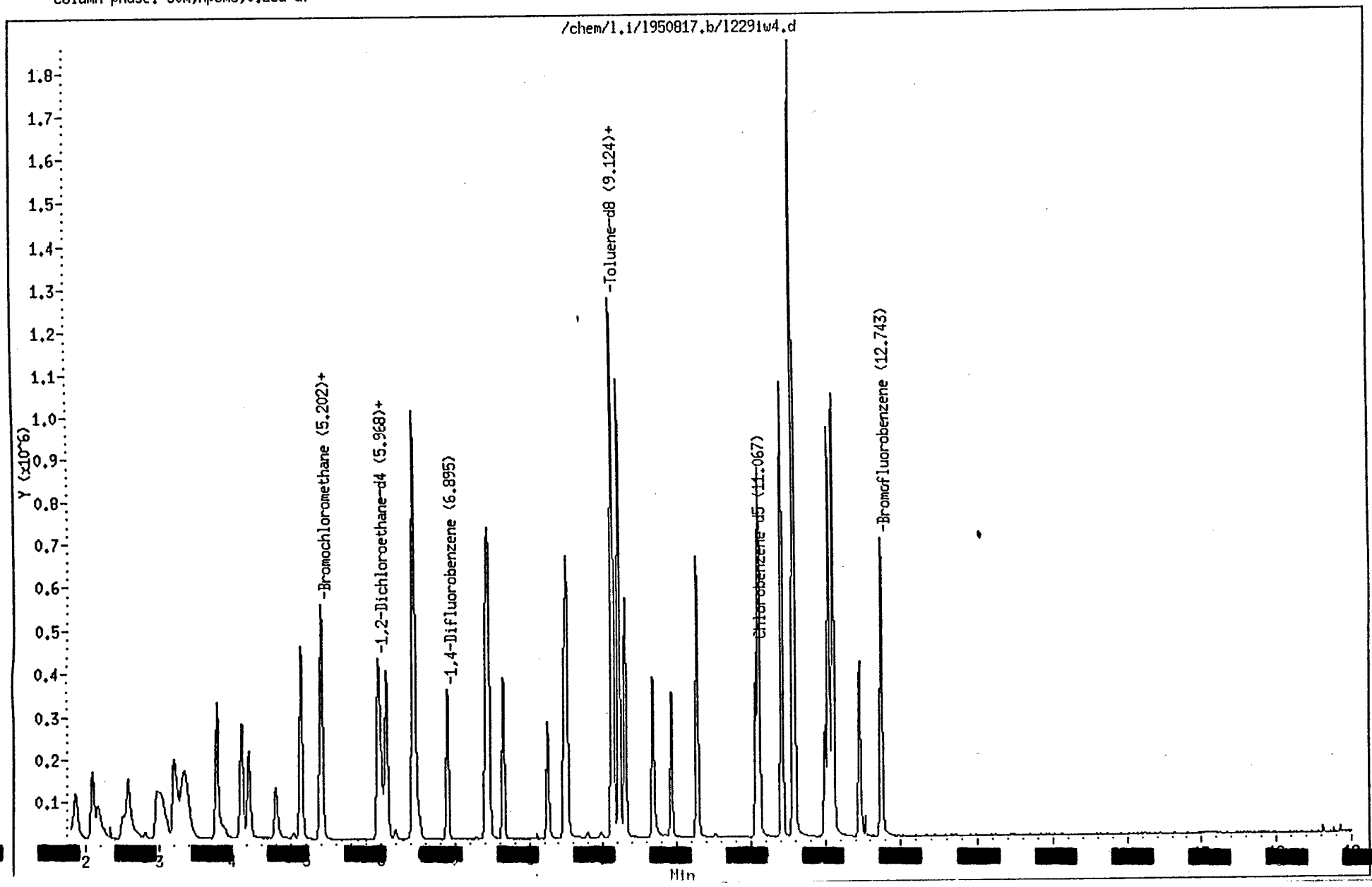
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.01
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.00
50 Chlorobenzene-d5	11.07	10.57	11.57	11.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw4.d
Date : 17-AUG-1995 17:09
Client ID:
Sample Info: VSTD100-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950817.b/l229iw5.d
Lab Smp Id: VSTD200
Inj Date : 17-AUG-1995 17:36
Operator : JC Inst ID: l.i
Smp Info : VSTD200-8240W/1X
Misc Info : L229W2//L228IW3
Comment :
Method : /chem/l.i/l950817.b/lvoclpw.m
Meth Date : 24-Aug-1995 11:06 jimmy Quant Type: ISTD
Cal Date : 17-AUG-1995 17:36 Cal File: l229iw5.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Chloromethane	50.00	1.760	1.760	(0.339)	623245	1000	960
2	Vinyl Chloride	62.00	1.858	1.858	(0.358)	424502	1000	810
3	Bromomethane	94.00	2.099	2.099	(0.404)	343058	1000	970
4	Chloroethane	64.00	2.179	2.179	(0.420)	320097	1000	1000
7	Trichlorofluoromethane	101.00	2.571	2.571	(0.495)	462534	1000	1100 (M)
8	Acetone	58.00	2.580	2.580	(0.497)	84625	1000	1200
11	1,1-Dichloroethene	96.00	3.008	3.008	(0.579)	349578	1000	1000 (M)
13	Methylene Chloride	84.00	3.213	3.213	(0.619)	431473	1000	990
M 18	1,2-Dichloroethene (total)	96.00				865055	2000	2100
14	Carbon Disulfide	76.00	3.356	3.356	(0.646)	1473058	1000	1000
15	trans-1,2-Dichloroethene	96.00	3.793	3.793	(0.730)	369732	1000	1100
17	1,1-Dichloroethane	63.00	4.131	4.131	(0.796)	796348	1000	1000
19	Vinyl Acetate	43.00	4.229	4.229	(0.815)	913875	1000	980
20	2-Butanone	43.00	4.595	4.595	(0.885)	488892	1000	1100
21	cis-1,2-Dichloroethene	96.00	4.934	4.934	(0.950)	495323	1000	1000
24	Chloroform	83.00	5.210	5.210	(1.003)	827691	1000	1000
27	1,1,1-Trichloroethane	97.00	5.994	5.994	(0.868)	588166	1000	1000
28	1,2-Dichloroethane	62.00	6.083	6.083	(1.172)	745462	1000	1000
30	Benzene	78.00	6.440	6.440	(0.933)	1900331	1000	1000
31	Carbon Tetrachloride	117.00	6.467	6.467	(0.937)	496066	1000	1100
34	1,2-Dichloropropane	63.00	7.429	7.429	(1.076)	542234	1000	1000
35	Trichloroethene	130.00	7.456	7.456	(1.080)	468445	1000	1000
37	Bromodichloromethane	83.00	7.652	7.652	(1.108)	585453	1000	1100
39	2-Chloroethylvinylether	63.00	8.249	8.249	(1.195)	288503	1000	1200
40	4-Methyl-2-Pentanone	43.00	8.472	8.472	(1.227)	850562	1000	1200
41	cis-1,3-Dichloropropene	75.00	8.508	8.508	(1.232)	718395	1000	1100
42	trans-1,3-Dichloropropene	75.00	9.141	9.141	(1.324)	645094	1000	1100
44	Toluene	92.00	9.221	9.221	(0.833)	992785	1000	1000
45	1,1,2-Trichloroethane	83.00	9.301	9.301	(1.347)	358281	1000	1000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.676	9.676	(0.874)	797644	1000	1400
	47 Dibromochloromethane	129.00	9.934	9.934	(1.439)	442912	1000	1100
	49 Tetrachloroethene	164.00	10.273	10.273	(0.928)	369482	1000	1000
	52 Chlorobenzene	112.00	11.120	11.120	(1.004)	1052462	1000	1000
M	53 Xylene (Total)	106.00				1889363	3000	3100
	54 Ethylbenzene	106.00	11.414	11.414	(1.031)	517201	1000	1000
	55 m,p-Xylene(s)	106.00	11.583	11.583	(1.046)	1261761	2000	2100
	56 Bromoform	173.00	12.002	12.002	(1.084)	333502	1000	1200
	57 Styrene	104.00	12.047	12.047	(1.088)	1032468	1000	1100
	59 o-Xylene	106.00	12.109	12.109	(1.093)	627602	1000	1000
	60 1,1,2,2-Tetrachloroethane	83.00	12.457	12.457	(1.125)	537345	1000	1000
*	23 Bromochloromethane	128.00	5.192	5.192	(1.000)	64227	250	
*	32 1,4-Difluorobenzene	114.00	6.904	6.904	(1.000)	330307	250	
*	50 Chlorobenzene-d5	117.00	11.075	11.075	(1.000)	270960	250	
$	26 1,2-Dichloroethane-d4	102.00	5.968	5.968	(1.149)	104070	1000	1000
$	43 Toluene-d8	98.00	9.123	9.123	(0.824)	1430025	1000	1000
$	61 Bromofluorobenzene	95.00	12.742	12.742	(1.151)	529942	1000	1100

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l229iw5.d
Lab Smp Id: VSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950817.b/lvoclpw.m
Misc Info: L229W2//L228IW3

Calibration Date: 08/17/95
Calibration Time: 1641

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66088	33044	132176	64227	-2.82
32 1,4-Difluorobenzene	340174	170087	680348	330307	-2.90
50 Chlorobenzene-d5	276497	138248	552994	270960	-2.00

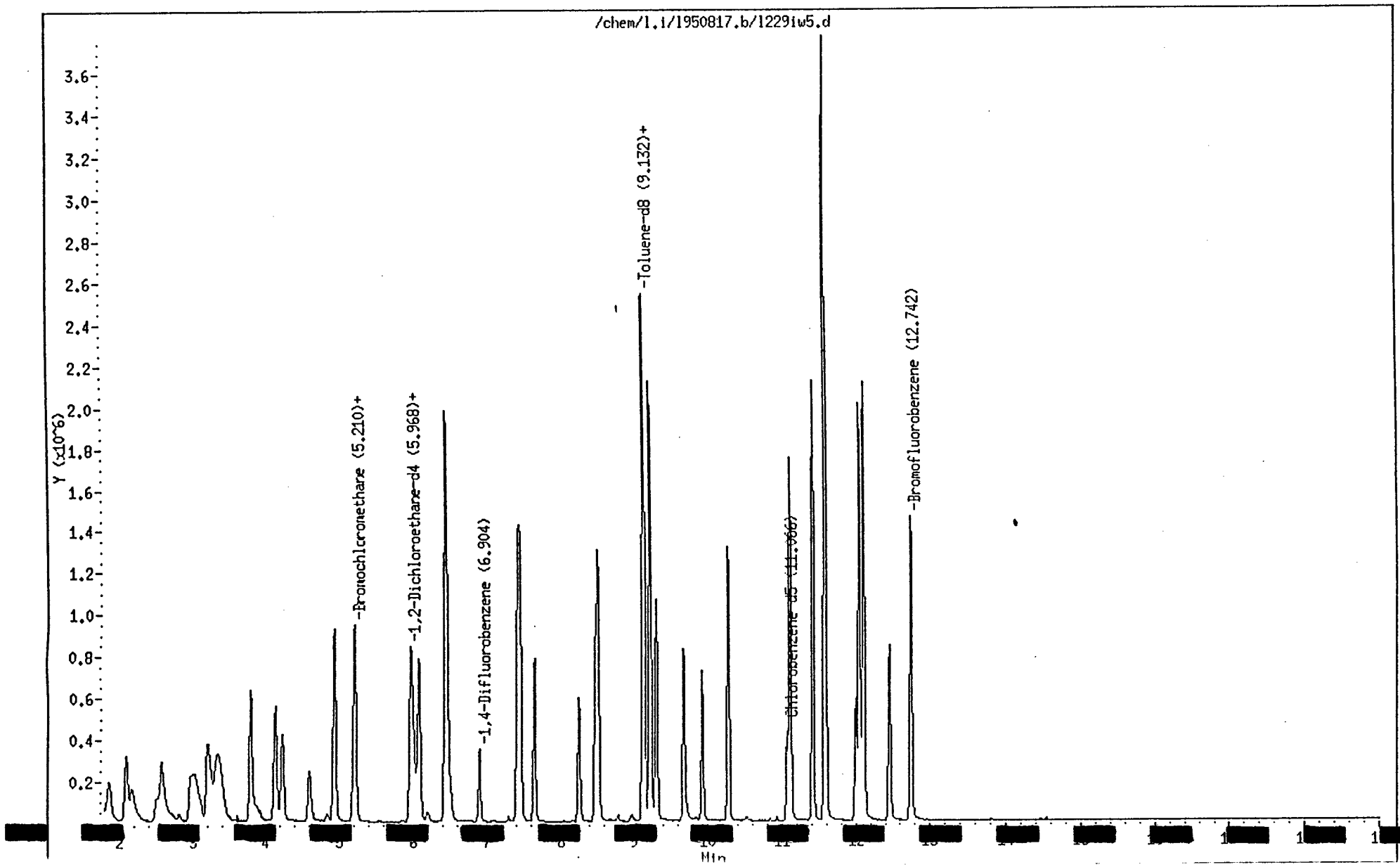
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.89	6.39	7.39	6.90	0.13
50 Chlorobenzene-d5	11.07	10.57	11.57	11.08	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950817.b/1229iw5.d
Date : 17-AUG-1995 17:36
Client ID:
Sample Info: VSTD200-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950818.b/l230cw1.d
Report Date: 28-Aug-1995 10:14

SPL Houston Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l230cw1.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 18-AUG-1995 09:12
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/l950818.b/lvoclpw.m

	COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
	1 Chloromethane	2.540	2.606	0.010	2.6	40.0
	2 Vinyl Chloride	2.040	2.226	0.100	9.1	25.0
	3 Bromomethane	1.381	1.373	0.100	0.6	25.0
	4 Chloroethane	1.230	1.273	0.010	3.5	40.0
	7 Trichlorofluoromethane	1.655	1.915	0.010	15.7	40.0
	8 Acetone	0.275	0.317	0.010	15.0	100.0
	11 1,1-Dichloroethene	1.347	1.273	0.100	5.5	25.0
	13 Methylene Chloride	1.697	1.576	0.010	7.1	40.0
M	18 1,2-Dichloroethene (total)	1.608	1.499	0.010	6.8	40.0
	14 Carbon Disulfide	5.443	5.441	0.010	0.0	40.0
	15 trans-1,2-Dichloroethene	1.346	1.228	0.010	8.7	40.0
	17 1,1-Dichloroethane	3.064	2.943	0.200	3.9	25.0
	19 Vinyl Acetate	3.617	4.347	0.010	20.2	100.0
	20 2-Butanone	1.745	2.129	0.010	22.0	100.0
	21 cis-1,2-Dichloroethene	1.870	1.770	0.010	5.4	25.0
	24 Chloroform	3.171	3.072	0.200	3.1	25.0
	27 1,1,1-Trichloroethane	0.425	0.431	0.100	1.4	25.0
	28 1,2-Dichloroethane	2.832	2.708	0.100	4.3	25.0
	30 Benzene	1.420	1.429	0.500	0.7	25.0
	31 Carbon Tetrachloride	0.351	0.378	0.100	7.7	25.0
	34 1,2-Dichloropropane	0.402	0.401	0.010	0.4	25.0
	35 Trichloroethene	0.340	0.333	0.300	2.0	25.0
	37 Bromodichloromethane	0.415	0.443	0.200	6.8	25.0
	39 2-Chloroethylvinylether	0.189	0.206	0.010	8.8	100.0
	40 4-Methyl-2-Pentanone	0.549	0.668	0.010	21.6	100.0
	41 cis-1,3-Dichloropropene	0.509	0.544	0.100	6.8	25.0
	42 trans-1,3-Dichloropropene	0.439	0.473	0.100	7.7	25.0
	44 Toluene	0.900	0.923	0.400	2.5	25.0
	45 1,1,2-Trichloroethane	0.266	0.277	0.100	4.1	25.0
	46 2-Hexanone	0.527	0.726	0.010	37.8	100.0
	47 Dibromochloromethane	0.300	0.332	0.100	10.6	25.0
	49 Tetrachloroethene	0.340	0.349	0.200	2.5	25.0
	52 Chlorobenzene	0.939	0.971	0.500	3.4	25.0
M	53 Xylene (Total)	0.558	0.583	0.300	4.6	25.0
	54 Ethylbenzene	0.458	0.469	0.100	2.3	25.0
	55 m,p-Xylene(s)	0.560	0.583	0.300	4.0	25.0
	56 Bromoform	0.261	0.321	0.100	22.8	40.0
	57 Styrene	0.873	0.936	0.300	7.2	25.0
	59 o-Xylene	0.553	0.585	0.300	5.7	25.0
	60 1,1,2,2-Tetrachloroethane	0.472	0.547	0.300	16.0	25.0

SPL Houston Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l230cw1.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 18-AUG-1995 09:12
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/l950818.b/lvoclpw.m

COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
$ 26 1,2-Dichloroethane-d4	0.396	0.373	0.010	5.8	40.0
$ 43 Toluene-d8	1.289	1.333	0.010	3.4	40.0
$ 61 Bromofluorobenzene	0.451	0.473	0.010	4.9	25.0

Data File: /chem/l.i/l950818.b/l230cw1.d
Report Date: 21-Aug-1995 09:51

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950818.b/l230cw1.d
Lab Smp Id: VSTD050
Inj Date : 18-AUG-1995 09:12
Operator : JC Inst ID: l.i
Smp Info : VSTD050-8240W/1X
Misc Info : L230W1//L230CW1
Comment :
Method : /chem/l.i/l950818.b/lvoclpw.m
Meth Date : 21-Aug-1995 09:51 jimmy Quant Type: ISTD
Cal Date : 18-AUG-1995 09:12 Cal File: l230cw1.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1 Chloromethane	50.00	1.767	1.767	(0.340)	184024	250	260
2 Vinyl Chloride	62.00	1.865	1.865	(0.359)	157186	250	270
3 Bromomethane	94.00	2.096	2.096	(0.404)	96951	250	250
4 Chloroethane	64.00	2.194	2.194	(0.423)	89886	250	260
7 Trichlorofluoromethane	101.00	2.595	2.595	(0.500)	135238	250	290 (M)
8 Acetone	58.00	2.587	2.587	(0.498)	22367	250	290
11 1,1-Dichloroethene	96.00	3.059	3.059	(0.589)	89855	250	240 (M)
13 Methylene Chloride	84.00	3.219	3.219	(0.620)	111310	250	230
18 1,2-Dichloroethene (total)	96.00				211732	500	470
14 Carbon Disulfide	76.00	3.380	3.380	(0.651)	384208	250	250
15 trans-1,2-Dichloroethene	96.00	3.799	3.799	(0.732)	86723	250	230
17 1,1-Dichloroethane	63.00	4.129	4.129	(0.796)	207820	250	240
19 Vinyl Acetate	43.00	4.227	4.227	(0.814)	306948	250	300
20 2-Butanone	43.00	4.592	4.592	(0.885)	150308	250	300
21 cis-1,2-Dichloroethene	96.00	4.931	4.931	(0.950)	125009	250	240
24 Chloroform	83.00	5.207	5.207	(1.003)	216915	250	240
27 1,1,1-Trichloroethane	97.00	5.992	5.992	(0.868)	148000	250	250
28 1,2-Dichloroethane	62.00	6.081	6.081	(1.172)	191250	250	240
30 Benzene	78.00	6.437	6.437	(0.933)	490518	250	250
31 Carbon Tetrachloride	117.00	6.464	6.464	(0.937)	129615	250	270
34 1,2-Dichloropropane	63.00	7.427	7.427	(1.076)	137479	250	250
35 Trichloroethene	130.00	7.454	7.454	(1.080)	114283	250	240
37 Bromodichloromethane	83.00	7.650	7.650	(1.109)	152179	250	270
39 2-Chloroethylvinylether	63.00	8.247	8.247	(1.195)	70647	250	270
40 4-Methyl-2-Pentanone	43.00	8.479	8.479	(1.229)	229096	250	300
41 cis-1,3-Dichloropropene	75.00	8.505	8.505	(1.232)	186691	250	270
42 trans-1,3-Dichloropropene	75.00	9.138	9.138	(1.324)	162363	250	270
44 Toluene	92.00	9.219	9.219	(0.833)	251287	250	260
45 1,1,2-Trichloroethane	83.00	9.299	9.299	(1.347)	95208	250	260

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.682	9.682	(0.875)	197707	250	340
	47 Dibromochloromethane	129.00	9.932	9.932	(1.439)	113994	250	280
	49 Tetrachloroethene	164.00	10.270	10.270	(0.928)	94981	250	260
	52 Chlorobenzene	112.00	11.117	11.117	(1.005)	264243	250	260
M	53 Xylene (Total)	106.00				476298	750	780
	54 Ethylbenzene	106.00	11.420	11.420	(1.032)	127579	250	260
	55 m,p-Xylene(s)	106.00	11.581	11.581	(1.047)	317167	500	520
	56 Bromoform	173.00	12.000	12.000	(1.085)	87341	250	310
	57 Styrene	104.00	12.044	12.044	(1.089)	254789	250	270
	59 o-Xylene	106.00	12.107	12.107	(1.094)	159131	250	260
	60 1,1,2,2-Tetrachloroethane	83.00	12.454	12.454	(1.126)	148906	250	290
*	23 Bromochloromethane	128.00	5.189	5.189	(1.000)	70612	250	
*	32 1,4-Difluorobenzene	114.00	6.901	6.901	(1.000)	343192	250	
*	50 Chlorobenzene-d5	117.00	11.064	11.064	(1.000)	272188	250	
$	26 1,2-Dichloroethane-d4	102.00	5.965	5.965	(1.149)	26354	250	240
$	43 Toluene-d8	98.00	9.120	9.120	(0.824)	362712	250	260
$	61 Bromofluorobenzene	95.00	12.740	12.740	(1.151)	128714	250	260

QC Flag Legend

M - Compound response manually integrated.

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l230cw1.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/l950818.b/lvoclpw.m
Misc Info: L230W1//L230CW1

Calibration Date: 08/18/95
Calibration Time: 0912

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	70612	35306	141224	70612	0.00
32 1,4-Difluorobenzene	343192	171596	686384	343192	0.00
50 Chlorobenzene-d5	272188	136094	544376	272188	0.00

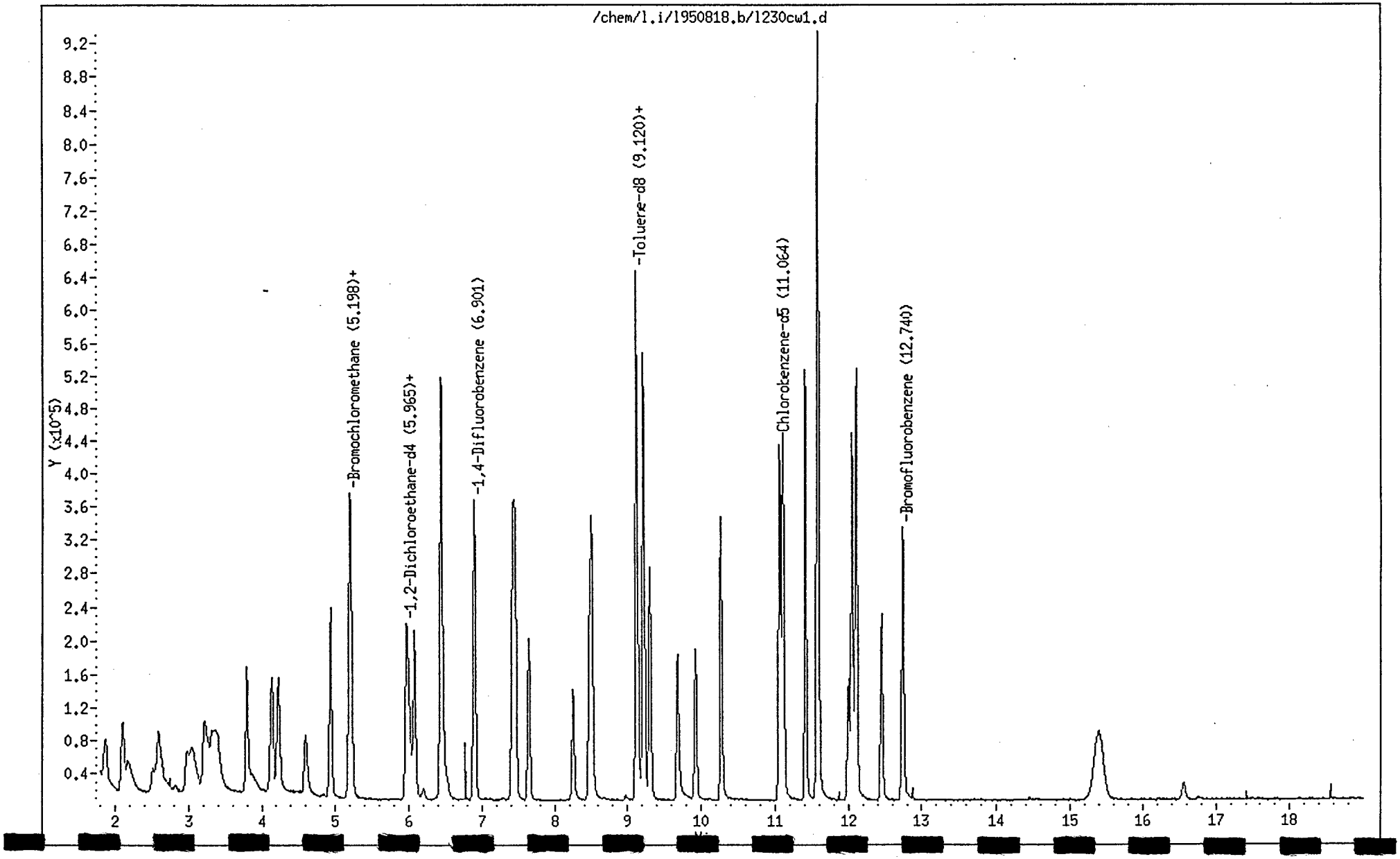
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.19	4.69	5.69	5.19	0.00
32 1,4-Difluorobenzene	6.90	6.40	7.40	6.90	0.00
50 Chlorobenzene-d5	11.06	10.56	11.56	11.06	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/l.i/1950818.b/l230cw1.d
Date : 18-AUG-1995 09:12
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: l.i

Operator: JC
Column diameter: 0.25



Data File: /chem/l.i/l950821.b/l233cw1.d
Report Date: 21-Aug-1995 10:11

SPL Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l233cw1.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 21-AUG-1995 09:36
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/l950821.b/lvoclpw.m

	COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
	1 Chloromethane	2.540	2.419	0.010	4.7	40.0
	2 Vinyl Chloride	2.040	2.204	0.100	8.0	25.0
	3 Bromomethane	1.381	1.359	0.100	1.6	25.0
	4 Chloroethane	1.230	1.225	0.010	0.4	40.0
	7 Trichlorofluoromethane	1.655	1.982	0.010	19.7	40.0
	8 Acetone	0.275	0.250	0.010	9.3	100.0
	11 1,1-Dichloroethene	1.347	1.301	0.100	3.4	25.0
	13 Methylene Chloride	1.697	1.635	0.010	3.6	40.0
M	18 1,2-Dichloroethene (total)	1.608	1.502	0.010	6.6	40.0
	14 Carbon Disulfide	5.443	5.419	0.010	0.4	40.0
	15 trans-1,2-Dichloroethene	1.346	1.274	0.010	5.3	40.0
	17 1,1-Dichloroethane	3.064	2.929	0.200	4.4	25.0
	19 Vinyl Acetate	3.617	4.019	0.010	11.1	100.0
	20 2-Butanone	1.745	1.439	0.010	17.5	100.0
	21 cis-1,2-Dichloroethene	1.870	1.729	0.010	7.6	25.0
	24 Chloroform	3.171	3.031	0.200	4.4	25.0
	27 1,1,1-Trichloroethane	0.425	0.441	0.100	3.8	25.0
	28 1,2-Dichloroethane	2.832	2.627	0.100	7.2	25.0
	30 Benzene	1.420	1.386	0.500	2.4	25.0
	31 Carbon Tetrachloride	0.351	0.395	0.100	12.5	25.0
	34 1,2-Dichloropropane	0.402	0.397	0.010	1.3	25.0
	35 Trichloroethene	0.340	0.330	0.300	2.8	25.0
	37 Bromodichloromethane	0.415	0.446	0.200	7.3	25.0
	39 2-Chloroethylvinylether	0.189	0.189	0.010	0.0	100.0
	40 4-Methyl-2-Pentanone	0.549	0.533	0.010	2.9	100.0
	41 cis-1,3-Dichloropropene	0.509	0.527	0.100	3.4	25.0
	42 trans-1,3-Dichloropropene	0.439	0.459	0.100	4.4	25.0
	44 Toluene	0.900	0.894	0.400	0.7	25.0
	45 1,1,2-Trichloroethane	0.266	0.268	0.100	0.6	25.0
	46 2-Hexanone	0.527	0.568	0.010	7.8	100.0
	47 Dibromochloromethane	0.300	0.344	0.100	14.4	25.0
	49 Tetrachloroethene	0.340	0.345	0.200	1.2	25.0
	52 Chlorobenzene	0.939	0.939	0.500	0.0	25.0
M	53 Xylene (Total)	0.558	0.565	0.300	1.3	25.0
	54 Ethylbenzene	0.458	0.448	0.100	2.2	25.0
	55 m,p-Xylene(s)	0.560	0.565	0.300	0.8	25.0
	56 Bromoform	0.261	0.332	0.100	27.0	40.0
	57 Styrene	0.873	0.894	0.300	2.4	25.0
	59 o-Xylene	0.553	0.566	0.300	2.3	25.0
	60 1,1,2,2-Tetrachloroethane	0.472	0.514	0.300	9.1	25.0

SPL Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: l.i
Lab File ID: l233cwl.d
Analysis Type: WATER
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 21-AUG-1995 09:36
Init. Calibration Date(s): 08/17/95 08/17/95
Init. Calibration Times: 15:45 17:36
Method File: /chem/l.i/l950821.b/lvoclpw.m

COMPOUND	RRF	RF250	MIN RRF	%D	MAX %D
$ 26 1,2-Dichloroethane-d4	0.396	0.373	0.010	5.8	40.0
$ 43 Toluene-d8	1.289	1.323	0.010	2.6	40.0
$ 61 Bromofluorobenzene	0.451	0.450	0.010	0.1	25.0

SPL Labs

Volatiles by 624/8240

Data file : /chem/l.i/l950821.b/l233cw1.d
Lab Smp Id: VSTD050
Inj Date : 21-AUG-1995 09:36
Operator : JC Inst ID: l.i
Smp Info : VSTD050-8240W/1X
Misc Info : L233W1//L233CW1
Comment :
Method : /chem/l.i/l950821.b/lvoclpw.m
Meth Date : 21-Aug-1995 10:11 jimmy Quant Type: ISTD
Cal Date : 21-AUG-1995 09:36 Cal File: l233cw1.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: normal.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
1	Chloromethane	50.00	1.704	1.704	(0.337)	161053	250	240
2	Vinyl Chloride	62.00	1.802	1.802	(0.356)	146687	250	270
3	Bromomethane	94.00	2.034	2.034	(0.402)	90439	250	240
4	Chloroethane	64.00	2.114	2.114	(0.417)	81559	250	250
7	Trichlorofluoromethane	101.00	2.444	2.444	(0.483)	131910	250	300 (M)
8	Acetone	58.00	2.498	2.498	(0.493)	16630	250	230
11	1,1-Dichloroethene	96.00	2.881	2.881	(0.569)	86595	250	240 (M)
13	Methylene Chloride	84.00	3.113	3.113	(0.615)	108853	250	240
18	1,2-Dichloroethene (total)	96.00				199904	500	470
14	Carbon Disulfide	76.00	3.229	3.229	(0.637)	360711	250	250
15	trans-1,2-Dichloroethene	96.00	3.674	3.674	(0.725)	84833	250	240
17	1,1-Dichloroethane	63.00	4.004	4.004	(0.791)	194997	250	240
19	Vinyl Acetate	43.00	4.102	4.102	(0.810)	267540	250	280
20	2-Butanone	43.00	4.468	4.468	(0.882)	95807	250	210
21	cis-1,2-Dichloroethene	96.00	4.806	4.806	(0.949)	115071	250	230
24	Chloroform	83.00	5.083	5.083	(1.004)	201771	250	240
27	1,1,1-Trichloroethane	97.00	5.876	5.876	(0.866)	142532	250	260
28	1,2-Dichloroethane	62.00	5.956	5.956	(1.176)	174853	250	230
30	Benzene	78.00	6.322	6.322	(0.932)	447404	250	240
31	Carbon Tetrachloride	117.00	6.340	6.340	(0.934)	127446	250	280
34	1,2-Dichloropropane	63.00	7.311	7.311	(1.077)	128138	250	250
35	Trichloroethene	130.00	7.338	7.338	(1.081)	106645	250	240
37	Bromodichloromethane	83.00	7.534	7.534	(1.110)	143900	250	270
39	2-Chloroethylvinylether	63.00	8.140	8.140	(1.200)	61091	250	250
40	4-Methyl-2-Pentanone	43.00	8.372	8.372	(1.234)	172219	250	240
41	cis-1,3-Dichloropropene	75.00	8.399	8.399	(1.238)	170042	250	260
42	trans-1,3-Dichloropropene	75.00	9.032	9.032	(1.331)	148137	250	260
44	Toluene	92.00	9.112	9.112	(0.831)	231628	250	250
45	1,1,2-Trichloroethane	83.00	9.201	9.201	(1.356)	86561	250	250

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	46 2-Hexanone	43.00	9.575	9.575	(0.873)	147200	250	270
	47 Dibromochloromethane	129.00	9.825	9.825	(1.448)	110988	250	290
	49 Tetrachloroethene	164.00	10.173	10.173	(0.928)	89219	250	250
	52 Chlorobenzene	112.00	11.011	11.011	(1.004)	243251	250	250
M	53 Xylene (Total)	106.00				439071	750	760
	54 Ethylbenzene	106.00	11.314	11.314	(1.032)	116065	250	240
	55 m,p-Xylene(s)	106.00	11.483	11.483	(1.047)	292510	500	500
	56 Bromoform	173.00	11.893	11.893	(1.085)	85900	250	320
	57 Styrene	104.00	11.947	11.947	(1.089)	231625	250	260
	59 o-Xylene	106.00	12.009	12.009	(1.095)	146561	250	260
	60 1,1,2,2-Tetrachloroethane	83.00	12.357	12.357	(1.127)	133242	250	270
*	23 Bromochloromethane	128.00	5.065	5.065	(1.000)	66567	250	
*	32 1,4-Difluorobenzene	114.00	6.785	6.785	(1.000)	322888	250	
*	50 Chlorobenzene-d5	117.00	10.966	10.966	(1.000)	258976	250	
$	26 1,2-Dichloroethane-d4	102.00	5.840	5.840	(1.153)	24846	250	240
$	43 Toluene-d8	98.00	9.014	9.014	(0.822)	342698	250	260
$	61 Bromofluorobenzene	95.00	12.642	12.642	(1.153)	116543	250	250

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/l.i/1950821.b/l233cw1.d
Report Date: 21-Aug-1995 10:11

SPL Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: l.i
Lab File ID: l233cw1.d
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JC
Method File: /chem/l.i/1950821.b/lvoclpw.m
Misc Info: L233W1//L233CW1

Calibration Date: 08/21/95
Calibration Time: 0936

Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	66567	33284	133134	66567	0.00
32 1,4-Difluorobenzene	322888	161444	645776	322888	0.00
50 Chlorobenzene-d5	258976	129488	517952	258976	0.00

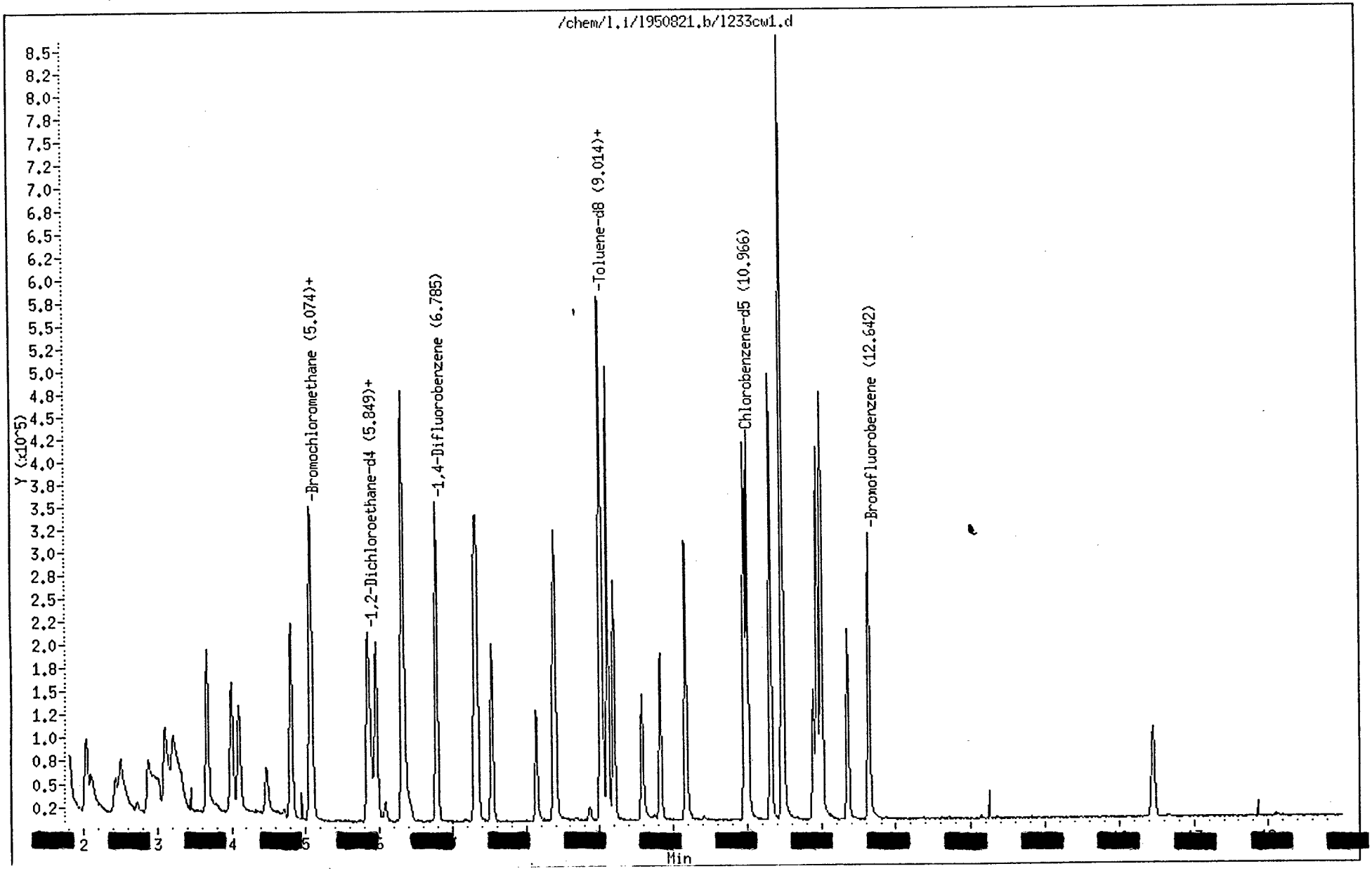
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
23 Bromochloromethane	5.06	4.56	5.56	5.06	0.00
32 1,4-Difluorobenzene	6.79	6.29	7.29	6.79	0.00
50 Chlorobenzene-d5	10.97	10.47	11.47	10.97	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/1.i/1950821.b/1233cw1.d
Date : 21-AUG-1995 09:36
Client ID:
Sample Info: VSTD050-8240W/1X
Purge Volume: 5.0
Column phase: 30m,hp5ms,0.25u df

Instrument: 1.i

Operator: JC
Column diameter: 0.25



Wisconsin DNR Modified DRO

Matrix: Aqueous
Units: mg/L

Batch Id: HPTT950828070610

BLANK SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(**) (Advisory) RPD Max.	QC Limits(**) (Advisory) Recovery Range
DIESEL RANGE ORGANICS	ND	5.0	4.35	86.2	4.43	87.8	1.84	43	20 - 177

Analyst: SEG
Sequence Date: 08/25/95
Method Blank File ID:
Sample File ID:
Blank Spike File ID: TT__901.TX0
Matrix Spike File ID:
Matrix Spike Duplicate File ID:

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9508719-01C 9508719-02C 9508719-03C 9508720-01D 9508720-02D

Cynthia Schreiner, QC Officer

Wisconsin DNR Modified DRO

Matrix: Aqueous
Units: mg/L

Batch Id: HPTT950828070610

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel Range Organics	ND	5.0	4.56	91.2	50 - 150

Analyst: SEG
Sequence Date: 08/27/95
SPL ID of sample spiked: 950823CXLCS
Sample File ID:
Method Blank File ID:
Blank Spike File ID: T___654.TX0
Matrix Spike File ID:
Matrix Spike Duplicate File ID: T___654.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Temporary Limits
(***) = Source: SPL-Temporary Limits

SAMPLES IN BATCH(SPL ID): 9508719-01C 9508719-02C 9508719-03C 9508720-01D 9508720-02D

Cynthia Schreiner, QC Officer

Modified 8015 - Gasoline

Matrix: Aqueous Batch Id: HP_U950825195300

Units: mg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	1.0	0.86	86.0	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
PETROLEUM HYDROCARBONS	ND	0.9	0.81	90.0	0.86	95.6	6.03	18	40 - 158

Analyst: RR

Sequence Date: 08/25/95

SPL ID of sample spiked: 9508768-01A

Sample File ID: UU__689.TX0

Method Blank File ID:

Blank Spike File ID: UU__668.TX0

Matrix Spike File ID: UU__700.TX0

Matrix Spike Duplicate File ID: UU__701.TX0

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL Historical data

(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9508719-01B 9508719-03B 9508720-01B 9508720-02B 9508768-01A 9508768-02A 9508769-01A 9508769-02A

Cynthia Schreiner, QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

HOUSTON ENVIRONMENTAL
ICP SPECTROSCOPY
QUALITY ASSURANCE AND CONTROL REPORT

Date of Analysis: 8/25/95 Time: 11:30 Analyst: JM Units: mg/L

Inst. ☐ Thermo-Jarrell Ash 61E ☑ Perkin Elmer Plasma 40 File #: 08258 Method: ☐ 200.7 ☑ 6010 Matrix: ☐ Soil ☑ Water ☐ Leachate

Digest: P3010 TCLP: ☐ Water ☐ Soil ☐ Other ☐ Oil

SPL Sample #'s In Batch:

9508719-1D-3D			
9508720-1C, 2C			

SPL QA/QC Sample ID: #1 9508720-2C #2 _____ #3 _____

Blank and Check Standard				QA/QC	Matrix Spike and Spike Duplicate Data					
Elem.	Method Blank	LCS Theoret.	LCS Rec. (±20%)	Sample Conc.	Spike Added	Spike Conc.	Spk. Dup. Conc.	Spike % Rec.	Spk. Dup. % Rec.	MS-MSD % RPD
Pb	ND	2.00	95.8	ND	1.00	0.944	0.955	94.4	95.5	1

*Flags ☐ MS or MSD Out of QA Limits (±25%)
☐ Spike RPD Out of QA Limits (±20%)
☐ See Case Narrative
☐ Within Soil LCS Limits _____

Supervisor Approval _____ Date 8-25-95

QA/QC Approval _____ Date 8/25/95
Idelis Williams, QC Officer

Analyst _____ for

UWG08215

RF

$\frac{0.18}{102.63} = 0.001754$ $\quad \sigma_{xn^{-1}} = 0.000071289$

$\frac{0.36}{192.88} = 0.001867$

$RSD = \frac{\sigma_{xn^{-1}}}{RF} = \frac{0.000071289}{0.001895} \times 100\%$

$\frac{0.72}{379.17} = 0.001899$

$RSD = 3.76\%$

$\frac{0.90}{476.28} = 0.001890$

$\frac{1.80}{936.86} = 0.001921$

$\frac{3.60}{1907.23} = 0.001888$

$\frac{7.20}{3721.91} = 0.001935$

GRO Curve

$\frac{9.00}{4484.50} = 0.002007$

$\overline{RF} = \frac{0.015161}{8} = 0.001895$

$\times 1000$

$\overline{RF} = 1.8951$

```
==========================================================================
oftware Version: 3.2 <16C20>
ample Name  : 0.18                    Time        : 08/22/95  11:01
ample Number: TC ;W;1                 Study       : MOOWG;1;PQL
perator     : RR

nstrument   : HP_U                    Channel : B     A/D mV Range : 1000
utoSampler  : NONE
ack/Vial    : 0/0

nterface Serial # : 4153271317   Data Acquisition Time: 08/21/95  17:43
elay Time   : 0.00  min.
nd Time     : 21.20  min.
ampling Rate : 1.0000  pts/sec

aw Data File  : l:\data\tchrom\btex\hp_u\UU__517.raw
esult File    : l:\data\tchrom\btex\hp_u\UU__517.rst
nstrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
rocess File   : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
ampler File   : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
equence File  : l:\data\tchrom\btex\methods\btexu.seq

nj. Volume    : 2 ul                  Area Reject      : 100.00
ample Amount  : 1.0000                Dilution Factor  : 1.00

==========================================================================
```

0.18 / [redacted] = [redacted]

0.001754

102.63

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.398	146411.19	13340.29	BV	1.0000e6	1.4928	0.3678		0.1464	0.3678
2	3.704	47122.24	5849.65	VV	9.9999e5	1.4928	0.3678		0.0471	0.3678
3	3.885	88897.31	11469.14	VV	4.2702e5	1.4928	0.3678	Benzene	0.2082	0.3678
4	4.264	367628.06	49040.68	VV	3778.8154	1.4928	0.3678	1,4-DIFLUOROBENZENE	97.2866	0.3678
5	4.795	924688.69	95533.35	VV	----------	1.4928	0.3678	TFT	0.0000	0.3678
6	6.894	250866.94	25210.30	VB	1.1835e6	1.4928	0.3678	Toluene	0.2120	0.3678
7	10.870	66476.88	6465.14	BV	3.4556e5	1.4928	0.3678	Ethyl_Benzene	0.1924	0.3678
8	11.141	161693.16	12428.71	VB	7.9104e5	1.4928	0.3678	m - Xylene	0.2044	0.3678
9	12.733	150594.00	10306.50	BB	7.5835e5	1.4928	0.3678	o-Xylene	0.1986	0.3678
10	14.144	145164.00	36983.44	BB	1456.8301	1.4928	0.3678	4-BROMOFLUOROBENZENE	99.6438	0.3678
11	14.773	114258.98	39815.50	BB	1.0000e6	1.4928	0.3678		0.1143	0.3678
		2463801.50	306442.69			16.4208	4.0458		198.2536	4.0458

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.885	88897.31	11429.14	BV	4.2702e5	1.4928	0.1073	Benzene	0.2082	0.1073
4	6.894	250866.94	25210.30	VB	1.1835e6	1.4928	0.1073	Toluene	0.2120	0.1073
5	10.870	66476.88	6465.14	VV	3.4556e5	1.4928	0.1073	Ethyl_Benzene	0.1924	0.1073
6	11.141	161693.16	12428.71	VB	7.9104e5	1.4928	0.1073	m - Xylene	0.2044	0.1073
7	12.733	150594.00	10306.50	BB	7.5835e5	1.4928	0.1073	o-Xylene	0.1986	0.1073
		718528.25	65879.79			7.4640	0.5363		1.0155	0.5363

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.264	367628.06	49040.68	VV	3778.8154	1.4928	0.2146	1,4-DIFLUOROBENZENE	97.2866	0.2146
3	4.795	924688.69	95533.35	VV	----------	1.4928	0.2146	TFT	0.0000	0.2146
8	14.144	145164.00	36983.44	BB	1456.8301	1.4928	0.2146	4-BROMOFLUOROBENZENE	99.6438	0.2146
		1437480.75	181557.47			4.4784	0.6438		196.9303	0.6438

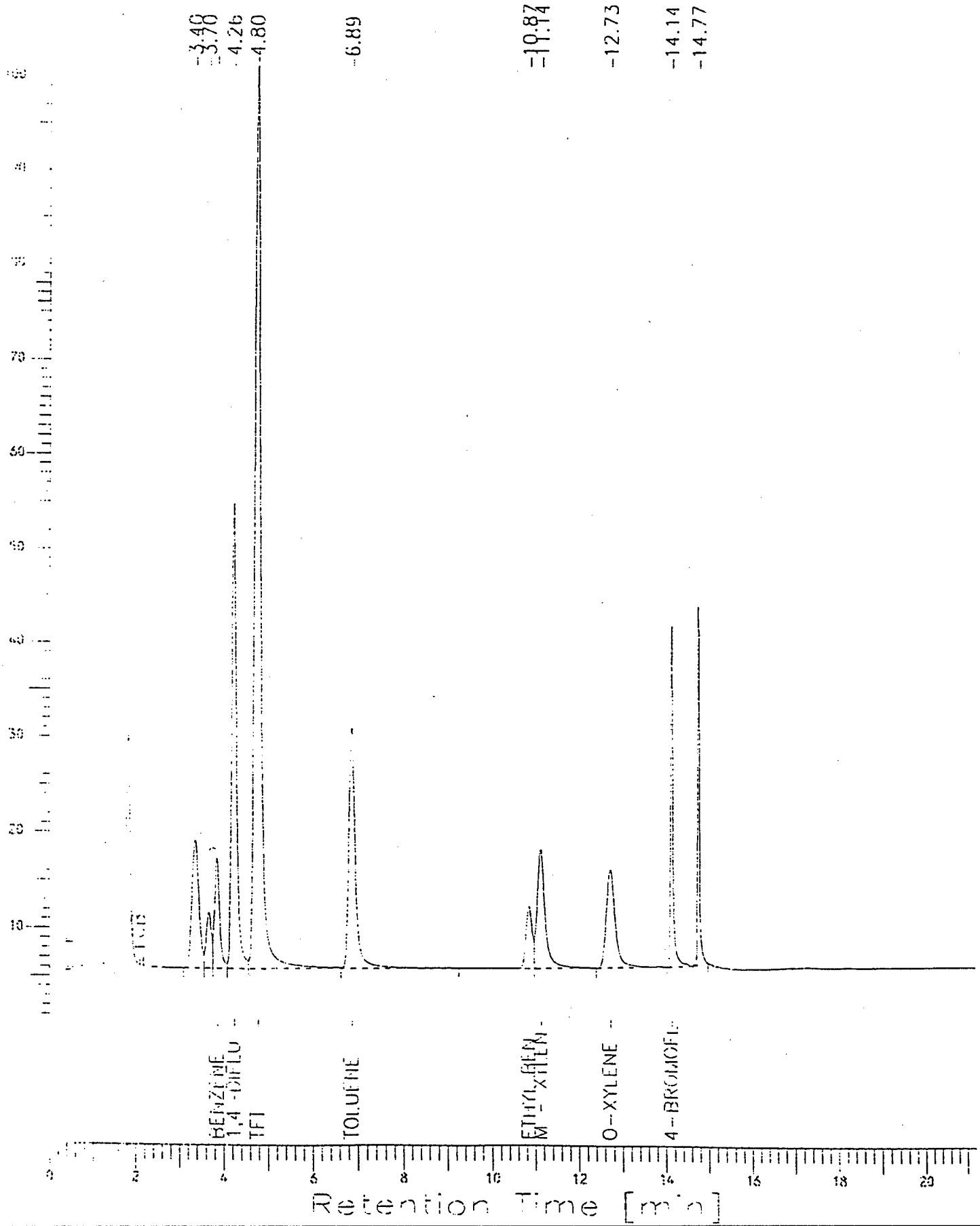
```
==========================================================================
END
==========================================================================

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__517.TXO
```

Chromatogram

Sample Name : 0.18
FileName : l:\data\tchrom\btex\hp_u\UU__517.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:01
Time of Injection: 08/21/95 17:43
Low Point : 0.78 mV High Point : 101.22 mV
Plot Scale: 100 mV



Software Version: 3.2 <16C20>
Sample Name : 0.36 Time : 08/22/95 11:01
Sample Number: TC ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 18:12
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__518.raw
Result File : l:\data\tchrom\btex\hp_u\UU__518.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

0.36 / 192.88 = 0.001867

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.400	283855.31	26044.04	BV	1.0000e6	1.4928	0.5027		0.2839	0.5027
2	3.705	90268.38	11346.60	VV	1.0000e6	1.4928	0.5027		0.0903	0.5027
3	3.888	165359.50	21239.02	VV	4.2645e5	1.4928	0.5027	Benzene	0.3878	0.5027
4	4.265	370583.13	49011.16	VV	3773.8015	1.4928	0.5027	1,4-DIFLUOROBENZENE	98.1989	0.5027
5	4.795	923461.75	95765.34	VV	----------	1.4928	0.5027	TFT	0.0000	0.5027
6	6.893	462159.50	46994.99	VB	1.1819e6	1.4928	0.5027	Toluene	0.3910	0.5027
7	10.871	121577.81	12019.52	BV	3.4510e5	1.4928	0.5027	Ethyl_Benzene	0.3523	0.5027
8	11.142	299125.19	23116.75	VB	7.8999e5	1.4928	0.5027	m - Xylene	0.3786	0.5027
9	12.735	281520.00	19233.77	BB	7.5735e5	1.4928	0.5027	o-Xylene	0.3717	0.5027
10	14.143	144526.28	36930.99	BV	1454.8971	1.4928	0.5027	4-BROMOFLUOROBENZENE	99.3378	0.5027
11	14.677	1395.09	484.18	VV	9.9999e5	1.4928	0.5027		0.0014	0.5027
12	14.774	223527.64	74774.21	VB	1.0000e6	1.4928	0.5027		0.2235	0.5027
		3367359.50	416960.63			17.9136	6.0322		200.0172	6.0322

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.888	165359.50	21239.02	BV	4.2645e5	1.4928	0.1985	Benzene	0.3878	0.1985
4	6.393	462159.50	46994.99	VB	1.1819e6	1.4928	0.1985	Toluene	0.3910	0.1985
5	10.871	121577.81	12019.52	VV	3.4510e5	1.4928	0.1985	Ethyl_Benzene	0.3523	0.1985
6	11.142	299125.19	23116.75	VB	7.8999e5	1.4928	0.1985	m - Xylene	0.3786	0.1985
7	12.735	281520.00	19233.77	BB	7.5735e5	1.4928	0.1985	o-Xylene	0.3717	0.1985
		1329742.00	122604.06			7.4640	0.9925		1.8814	0.9925

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.265	370583.13	49011.16	VV	3773.8015	1.4928	0.2148	1,4-DIFLUOROBENZENE	98.1989	0.2148
3	4.795	923461.75	95765.34	VV	----------	1.4928	0.2148	TFT	0.0000	0.2148
8	14.143	144526.28	36930.99	VV	1454.8971	1.4928	0.2148	4-BROMOFLUOROBENZENE	99.3378	0.2148
		1438571.13	181707.50			4.4784	0.6443		197.5367	0.6443

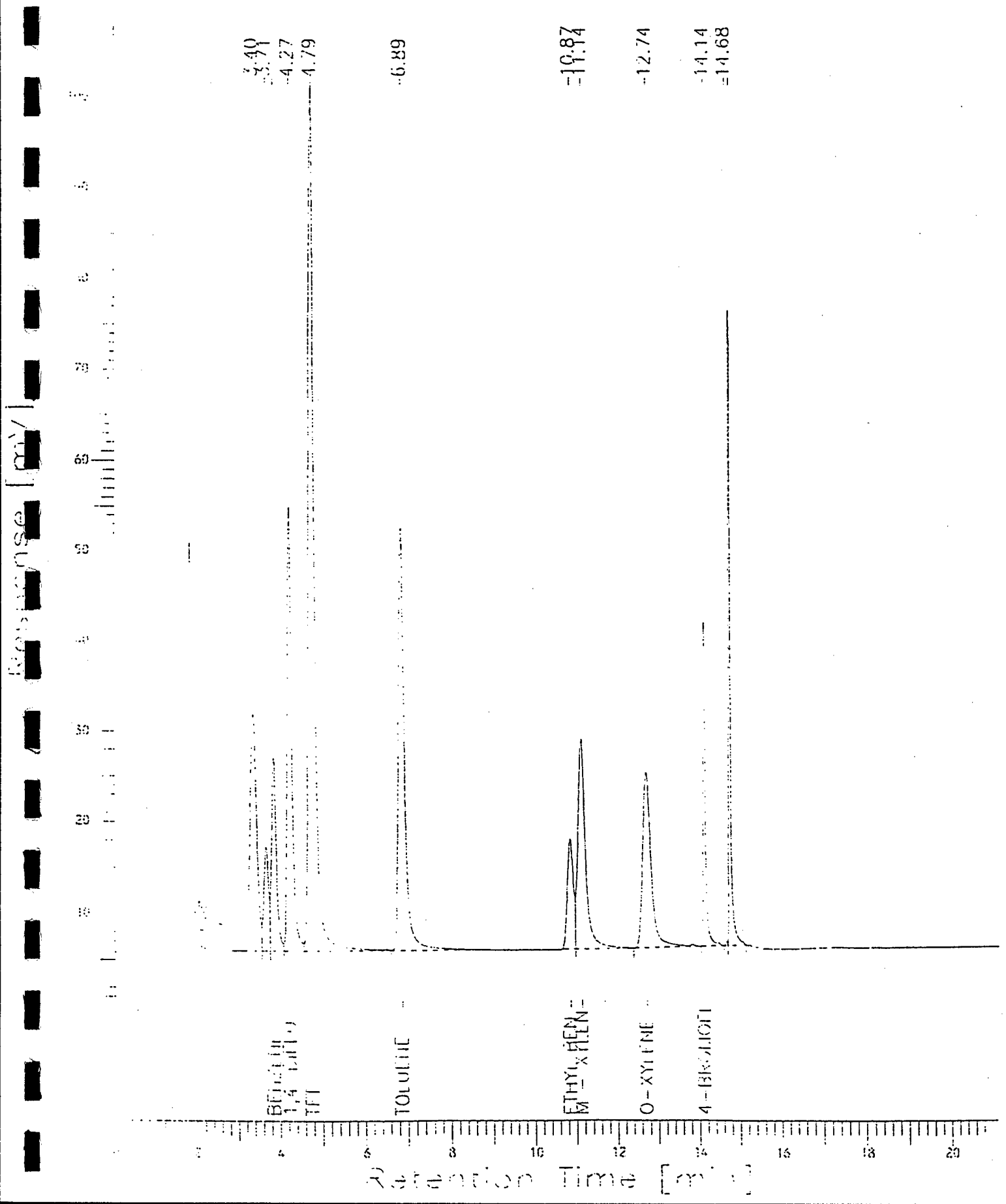
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__518.TXO

Chromatogram

Sample Name : 0.36
File Name : l:\data\tchrom\btex\hp_u\UU__518.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:01
Time of Injection: 08/21/95 18:12
Low Point : 0.78 mV High Point : 101.34 mV
Plot Scale: 101 mV



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Software Version: 3.2 <16C20>
Sample Name : 0.72 Time : 08/22/95 11:01
Sample Number: TC ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
Autosampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 18:41
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__519.raw
Result File : l:\data\tchrom\btex\hp_u\UU__519.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

0.72 / [illegible] = [illegible]
379.17 0.001899

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PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.397	549851.88	50276.02	BV	9.9999e5	1.4928	0.7837		0.5499	0.7837
2	3.703	174247.06	21897.00	VV	1.0000e6	1.4928	0.7837		0.1743	0.7837
3	3.892	324759.06	41839.69	VV	4.3097e5	1.4928	0.7837	Benzene	0.7536	0.7837
4	4.265	377362.97	48921.24	VV	3813.7505	1.4928	0.7837	1,4-DIFLUOROBENZENE	98.9480	0.7837
5	4.794	933237.38	96853.59	VV	----------	1.4928	0.7837	TFT	0.0000	0.7837
6	6.892	906929.63	92892.14	VB	1.1944e6	1.4928	0.7837	Toluene	0.7593	0.7837
7	10.865	247564.00	23840.50	BV	3.4875e5	1.4928	0.7837	Ethyl_Benzene	0.7099	0.7837
8	11.136	587580.00	46023.80	VB	7.9835e5	1.4928	0.7837	m - Xylene	0.7360	0.7837
9	12.726	557577.81	38213.58	BV	7.6537e5	1.4928	0.7837	o-Xylene	0.7285	0.7837
10	13.836	4940.70	538.28	VV	1.0000e6	1.4928	0.7837		0.0049	0.7837
11	14.140	147891.02	38329.81	VB	1470.2982	1.4928	0.7837	4-BROMOFLUOROBENZENE	100.5857	0.7837
12	14.674	2495.07	892.33	BV	1.0000e6	1.4928	0.7837		0.0025	0.7837
13	14.772	435713.94	152331.44	VB	1.0000e6	1.4928	0.7837		0.4357	0.7837
		5250150.50	652849.44			19.4064	10.1887		204.3881	10.1887

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.892	324759.06	41839.69	BV	4.3097e5	1.4928	0.3918	Benzene	0.7536	0.3918
4	6.892	906929.63	92892.14	VB	1.1944e6	1.4928	0.3918	Toluene	0.7593	0.3918
5	10.865	247564.00	23840.50	VV	3.4875e5	1.4928	0.3918	Ethyl_Benzene	0.7099	0.3918
6	11.136	587580.00	46023.80	VB	7.9835e5	1.4928	0.3918	m - Xylene	0.7360	0.3918
7	12.726	557577.81	38213.58	BV	7.6537e5	1.4928	0.3918	o-Xylene	0.7285	0.3918
		2624410.50	242809.70			7.4640	1.9589		3.6872	1.9589

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.265	377362.97	48921.24	VV	3813.7505	1.4928	0.2177	1,4-DIFLUOROBENZENE	98.9480	0.2177
3	4.794	933237.38	96853.59	VV	----------	1.4928	0.2177	TFT	0.0000	0.2177
8	14.140	147891.02	38329.81	VB	1470.2982	1.4928	0.2177	4-BROMOFLUOROBENZENE	100.5857	0.2177
		1458491.38	184104.64			4.4784	0.6532		199.5337	0.6532

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END
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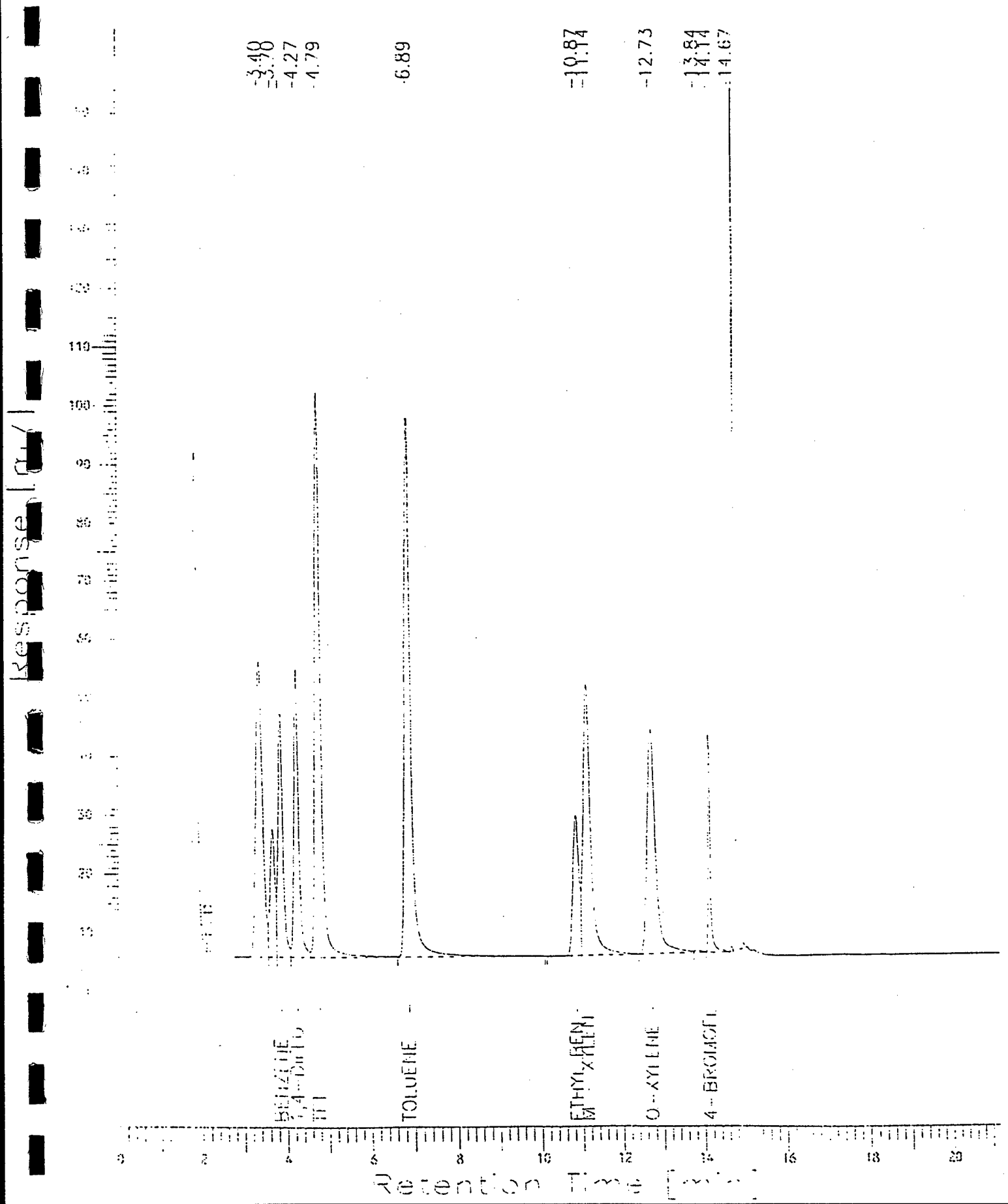
Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__519.TXO

Chromatogram

Sample Name : 0.72
Filename : l:\data\tchrom\btex\hp_u\UU__519.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -2 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 18:41
Low Point : -1.85 mV High Point : 154.24 mV
Plot Scale: 156 mV



Software Version: 3.2 <16C20>
Sample Name : 0.9
Sample Number : [illegible];1
Operator : RR

Time : 08/22/95 11:02
Study : MODWG;1;PQL

Instrument : HP_U
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 19:10
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__520.raw
Result File : l:\data\tchrom\btex\hp_u\UU__520.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

Inj. Volume : 2 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

0.9 / [illegible] = [illegible]
476.28
0.001890

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.399	707783.88	64937.54	BV	1.0000e6	1.4928	0.9298		0.7078	0.9298
2	3.703	235462.81	28140.33	VV	1.0000e6	1.4928	0.9298		0.2355	0.9298
3	3.894	393352.50	52568.40	VV	4.3224e5	1.4928	0.9298	Benzene	0.9100	0.9298
4	4.266	382498.75	49192.43	VV	3824.9876	1.4928	0.9298	1,4-DIFLUOROBENZENE	100.0000	0.9298
5	4.792	935987.13	97185.59	VV	----------	1.4928	0.9298	TFT	0.0000	0.9298
6	6.888	1130425.38	115811.13	VB	1.1980e6	1.4928	0.9298	Toluene	0.9436	0.9298
7	10.859	315569.59	29718.95	BV	3.4978e5	1.4928	0.9298	Ethyl_Benzene	0.9022	0.9298
8	11.130	729959.94	57533.54	VB	8.0071e5	1.4928	0.9298	m - Xylene	0.9116	0.9298
9	12.720	694746.94	47646.56	BV	7.6762e5	1.4928	0.9298	o-Xylene	0.9051	0.9298
10	13.831	5126.02	683.47	VV	1.0000e6	1.4928	0.9298		0.0051	0.9298
11	14.138	147463.05	38539.02	VB	1474.6305	1.4928	0.9298	4-BROMOFLUOROBENZENE	100.0000	0.9298
12	14.673	3111.83	1199.62	BV	1.0000e6	1.4928	0.9298		0.0031	0.9298
13	14.770	547285.19	193237.28	VB	1.0000e6	1.4928	0.9298		0.5473	0.9298
		6228773.00	776393.88			19.4064	12.0878		206.0713	12.0878

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.894	393352.50	52568.40	BV	4.3224e5	1.4928	0.4873	Benzene	0.9100	0.4873
4	6.888	1130425.38	115811.13	VB	1.1980e6	1.4928	0.4873	Toluene	0.9436	0.4873
5	10.859	315569.59	29718.95	VV	3.4978e5	1.4928	0.4873	Ethyl_Benzene	0.9022	0.4873
6	11.130	729959.94	57533.54	VB	8.0071e5	1.4928	0.4873	m - Xylene	0.9116	0.4873
7	12.720	694746.94	47646.56	BV	7.6762e5	1.4928	0.4873	o-Xylene	0.9051	0.4873
		3264054.50	303278.59			7.4640	2.4363		4.5725	2.4363

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.266	382498.75	49192.43	VV	3824.9876	1.4928	0.2188	1,4-DIFLUOROBENZENE	100.0000	0.2188
3	4.792	935987.13	97185.59	VV	----------	1.4928	0.2188	TFT	0.0000	0.2188
8	14.138	147463.05	38539.02	VB	1474.6305	1.4928	0.2188	4-BROMOFLUOROBENZENE	100.0000	0.2188
		1465948.88	184917.05			4.4784	0.6565		200.0000	0.6565

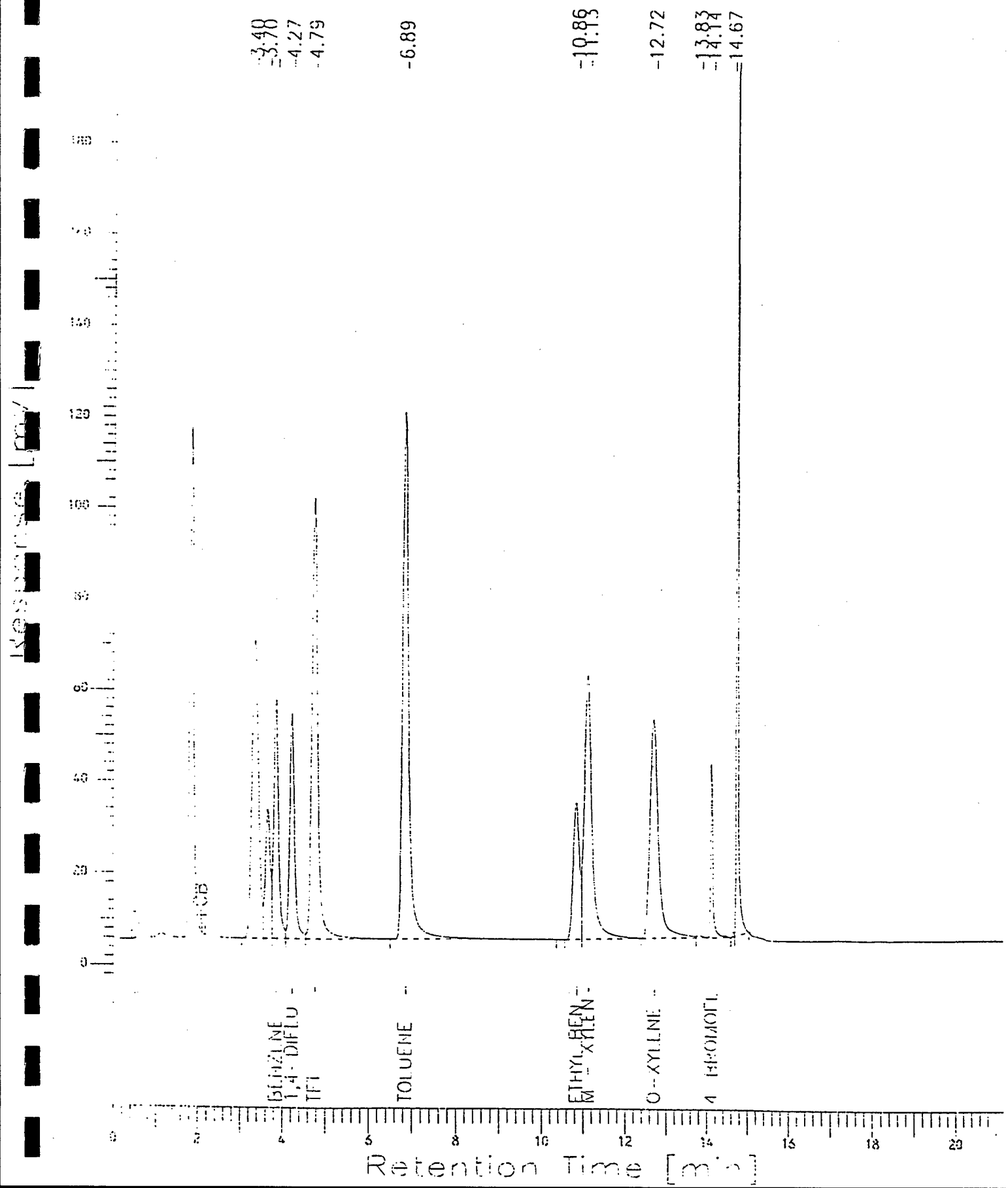
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__520.TXO

Chromatogram

Sample Name : 0.9
File Name : l:\data\tchrom\btex\hp_u\UU__520.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -4 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 19:10
Low Point : -3.99 mV High Point : 196.89 mV
Plot Scale: 201 mV



Software Version: 3.2 <16C20>
Sample Name : 1.8 Time : 08/22/95 11:02
Sample Number: TC ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 19:39
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__521.raw
Result File : l:\data\tchrom\btex\hp_u\UU__521.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

1.8 / [redacted] = [redacted]
936.86
0.001921

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.405	1369139.50	124911.41	BV	9.9999e5	1.4928	1.6172		1.3691	1.6172
2	3.709	430621.63	53813.43	VV	1.0000e6	1.4928	1.6172		0.4306	1.6172
3	3.903	784153.69	103912.28	VV	4.2809e5	1.4928	1.6172	Benzene	1.8317	1.6172
4	4.275	390792.34	48883.63	VV	3788.3081	1.4928	1.6172	1,4-DIFLUOROBENZENE	103.1575	1.6172
5	4.799	927011.56	95711.29	VV	----------	1.4928	1.6172	TFT	0.0000	1.6172
6	6.896	2221016.25	229462.48	VB	1.1865e6	1.4928	1.6172	Toluene	1.8719	1.6172
7	10.867	610822.75	58811.97	BV	3.4642e5	1.4928	1.6172	Ethyl_Benzene	1.7632	1.6172
8	11.139	1456081.38	114579.39	VV	7.9303e5	1.4928	1.6172	m - Xylene	1.8361	1.6172
9	12.731	1381374.25	94982.66	VE	7.6026e5	1.4928	1.6172	o-Xylene	1.8170	1.6172
10	13.832	20312.00	1495.67	EV	1.0000e6	1.4928	1.6172		0.0203	1.6172
11	14.140	146990.17	38190.99	VE	1460.4896	1.4928	1.6172	4-BROMOFLUOROBENZENE	100.6445	1.6172
12	14.481	3235.00	669.96	EB	1.0000e6	1.4928	1.6172		0.0032	1.6172
13	14.673	5608.31	2199.96	BV	1.0000e6	1.4928	1.6172		0.0056	1.6172
14	14.771	1086272.75	386648.56	VB	1.0000e6	1.4928	1.6172		1.0863	1.6172
		10833432.00	1.35e6			20.8992	22.6410		215.8370	22.6410

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.903	784153.69	103912.28	BV	4.2809e5	1.4928	0.9634	Benzene	1.8317	0.9634
4	6.896	2221016.25	229462.48	VB	1.1865e6	1.4928	0.9634	Toluene	1.8719	0.9634
5	10.867	610822.75	58811.97	VV	3.4642e5	1.4928	0.9634	Ethyl_Benzene	1.7632	0.9634
6	11.139	1456081.38	114579.39	VV	7.9303e5	1.4928	0.9634	m - Xylene	1.8361	0.9634
7	12.731	1381374.25	94982.66	BE	7.6026e5	1.4928	0.9634	o-Xylene	1.8170	0.9634
		6453448.00	601748.81			7.4640	4.8169		9.1199	4.8169

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.275	390792.34	48883.63	VV	3788.3081	1.4928	0.2187	1,4-DIFLUOROBENZENE	103.1575	0.2187
3	4.799	927011.56	95711.29	VV	----------	1.4928	0.2187	TFT	0.0000	0.2187
8	14.140	146990.17	38190.99	VE	1460.4896	1.4928	0.2187	4-BROMOFLUOROBENZENE	100.6445	0.2187
		1464794.00	182785.89			4.4784	0.6560		203.8019	0.6560

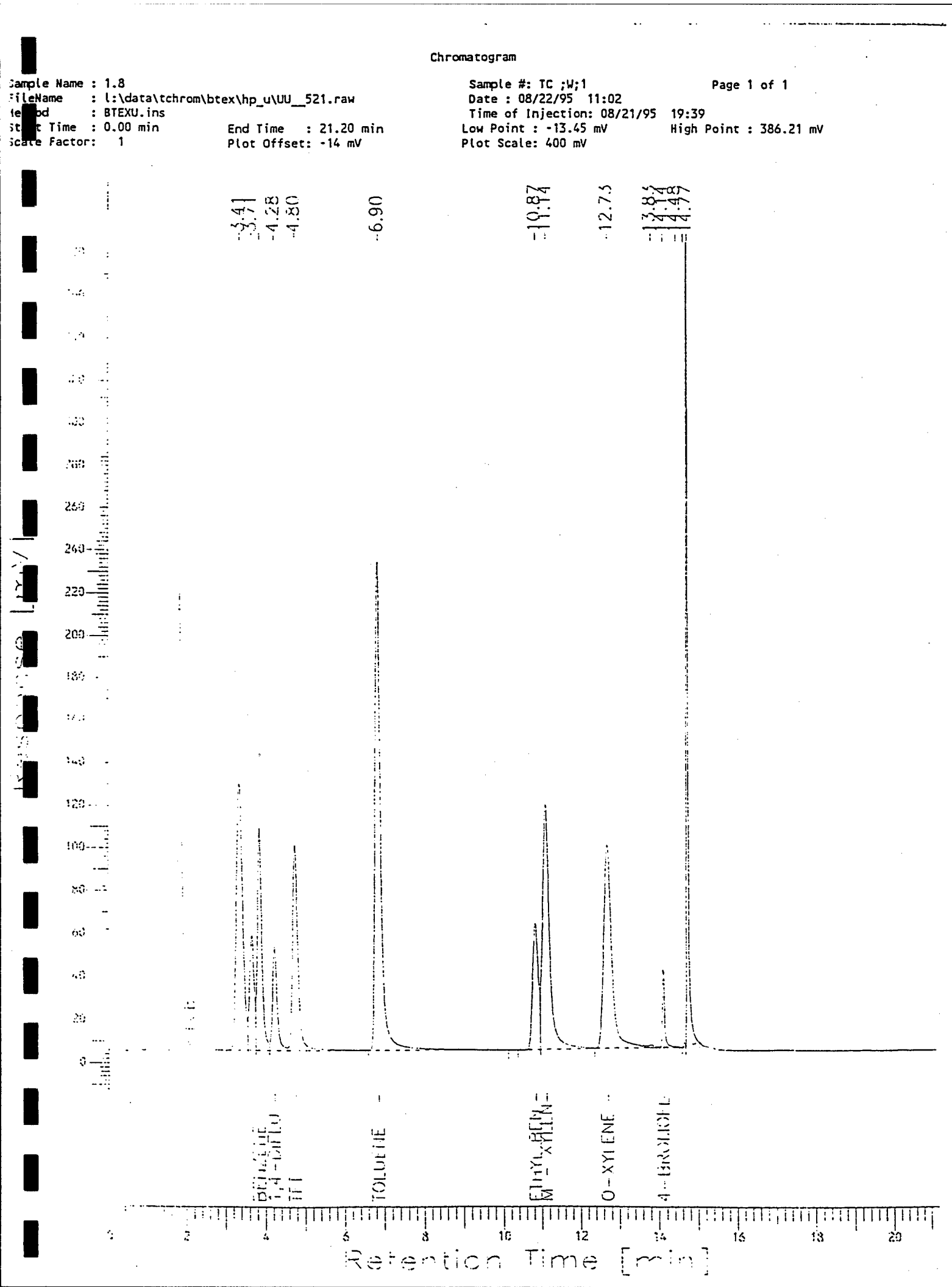
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__521.TXO

Chromatogram

Sample Name : 1.8
FileName : l:\data\tchrom\btex\hp_u\UU__521.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -14 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 19:39
Low Point : -13.45 mV High Point : 386.21 mV
Plot Scale: 400 mV



Software Version: 3.2 <16C20>
Sample Name : 3.6 Time : 08/22/95 11:02
Sample Number: TC ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 20:08
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__522.raw
Result File : l:\data\tchrom\btex\hp_u\UU__522.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

3.6 / [illegible] = [illegible]
1907.23 0.001888

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.411	2924704.00	267304.53	BV	1.0000e6	1.4928	3.0791		2.9247	3.0791
2	3.710	920304.38	115896.20	VV	1.0000e6	1.4928	3.0791		0.9203	3.0791
3	3.909	1583171.75	206204.66	VV	4.4731e5	1.4928	3.0791	Benzene	3.5393	3.0791
4	4.279	428547.94	51916.47	VV	3958.3718	1.4928	3.0791	1,4-DIFLUOROBENZENE	108.2637	3.0791
5	4.800	968626.75	98308.88	VV	----------	1.4928	3.0791	TFT	0.0000	3.0791
6	6.901	4429270.00	460036.50	VB	1.2397e6	1.4928	3.0791	Toluene	3.5726	3.0791
7	10.871	1219444.75	117563.29	BV	3.6198e5	1.4928	3.0791	Ethyl_Benzene	3.3688	3.0791
8	11.145	2942189.00	232615.61	VV	8.2863e5	1.4928	3.0791	m - Xylene	3.5507	3.0791
9	12.736	2778537.50	192007.16	VE	7.9439e5	1.4928	3.0791	o-Xylene	3.4977	3.0791
10	13.832	48507.00	3261.64	EV	1.0000e6	1.4928	3.0791		0.0485	3.0791
11	14.139	157058.73	40259.92	VE	1526.0536	1.4928	3.0791	4-BROMOFLUOROBENZENE	102.9182	3.0791
12	14.479	5579.00	1205.54	EB	1.0000e6	1.4928	3.0791		0.0056	3.0791
13	14.672	11517.24	4533.25	BV	1.0000e6	1.4928	3.0791		0.0115	3.0791
14	14.770	2209018.75	789488.56	VB	1.0000e6	1.4928	3.0791		2.2090	3.0791
		20625476.00	2.58e6			20.8992	43.1077		234.8306	43.1077

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.909	1583171.75	206204.66	BV	4.4731e5	1.4928	1.9336	Benzene	3.5393	1.9336
4	6.901	4429270.00	460036.50	VB	1.2397e6	1.4928	1.9336	Toluene	3.5726	1.9336
5	10.871	1219444.75	117563.29	VV	3.6198e5	1.4928	1.9336	Ethyl_Benzene	3.3688	1.9336
6	11.145	2942189.00	232615.61	VV	8.2863e5	1.4928	1.9336	m - Xylene	3.5507	1.9336
7	12.736	2778537.50	192007.16	BE	7.9439e5	1.4928	1.9336	o-Xylene	3.4977	1.9336
		12952614.00	1.20e6			7.4640	9.6678		17.5290	9.6678

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.279	428547.94	51916.47	VV	3958.3718	1.4928	0.2320	1,4-DIFLUOROBENZENE	108.2637	0.2320
3	4.800	968626.75	98308.88	VV	----------	1.4928	0.2320	TFT	0.0000	0.2320
8	14.139	157058.73	40259.92	VE	1526.0536	1.4928	0.2320	4-BROMOFLUOROBENZENE	102.9182	0.2320
		1554233.50	190485.27			4.4784	0.6961		211.1819	0.6961

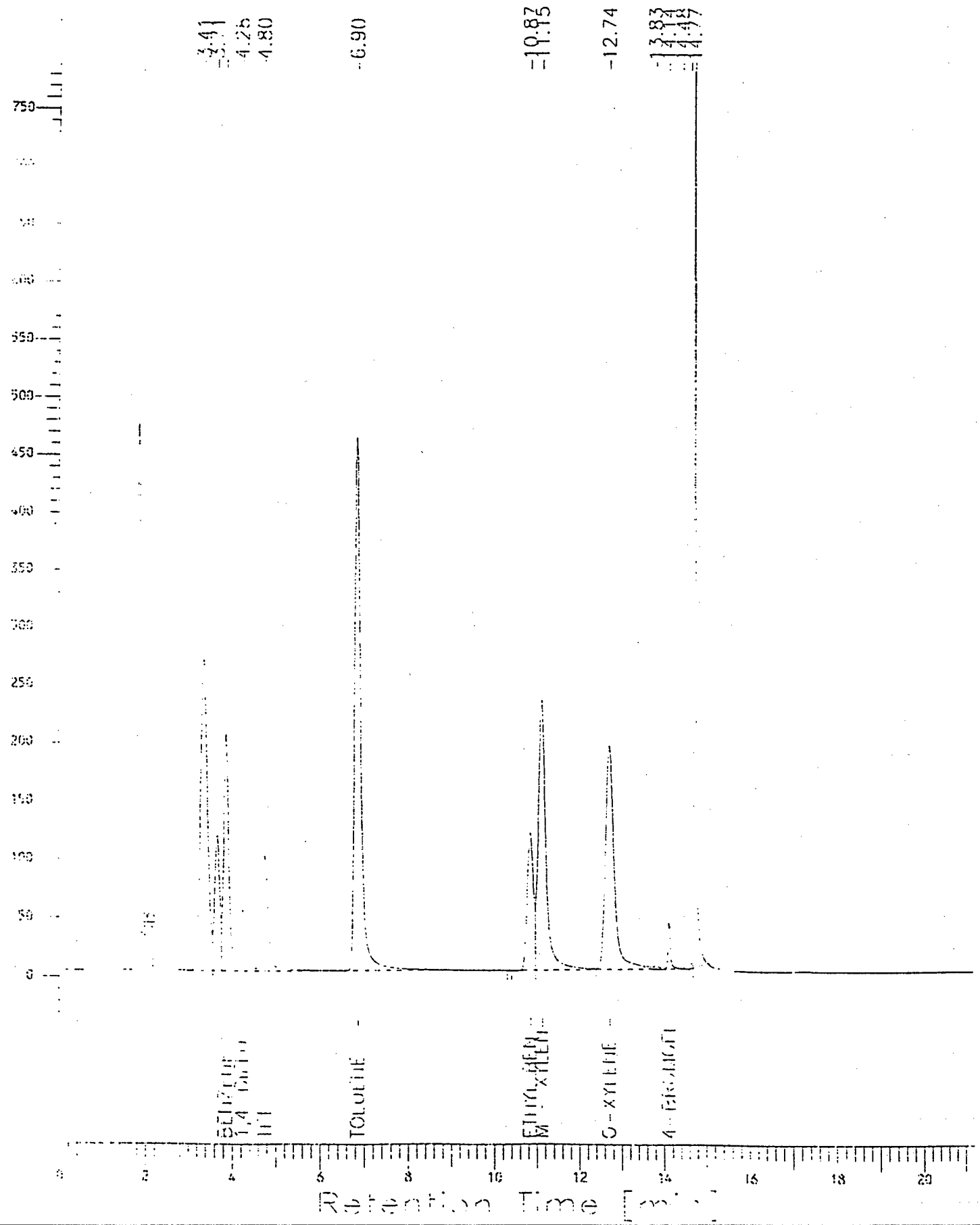
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__522.TXO

Chromatogram

Sample Name : 3.6
FileName : l:\data\tchrom\btex\hp_u\UU__522.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -34 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 20:08
Low Point : -33.46 mV High Point : 786.15 mV
Plot Scale: 820 mV



Software Version: 3.2 <16C20>
Sample Name : 7.2 Time : 08/22/95 11:02
Sample Number: TC ;W;1 Study : MOOWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 20:36
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__523.raw
Result File : l:\data\tchrom\btex\hp_u\UU__523.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

7.2 / [redacted] = [redacted]
3721.91
0.001935

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.414	5776835.50	523337.66	BV	1.0000e6	1.4928	5.8038		5.7768	5.8038
2	3.707	1816819.25	228255.91	VV	1.0000e6	1.4928	5.8038		1.8168	5.8038
3	3.915	3157275.75	405449.19	VV	4.6551e5	1.4928	5.8038	Benzene	6.7823	5.8038
4	4.279	484171.31	55648.17	VV	4119.4507	1.4928	5.8038	1,4-DIFLUOROBENZENE	117.5330	5.8038
5	4.798	1008043.31	98769.34	VB	----------	1.4928	5.8038	TFT	0.0000	5.8038
6	6.908	8835031.00	919994.56	BB	1.2902e6	1.4928	5.8038	Toluene	6.8476	5.8038
7	10.874	2534454.50	232849.41	BV	3.7671e5	1.4928	5.8038	Ethyl_Benzene	6.7278	5.8038
8	11.157	5814579.00	472796.81	VV	8.6235e5	1.4928	5.8038	m - Xylene	6.7427	5.8038
9	12.750	5570364.00	388370.16	VE	8.2672e5	1.4928	5.8038	o-Xylene	6.7379	5.8038
10	13.831	94372.00	6500.16	EV	1.0000e6	1.4928	5.8038		0.0944	5.8038
11	14.139	167363.23	41431.10	VV	1588.1537	1.4928	5.8038	4-BROMOFLUOROBENZENE	105.3823	5.8038
12	14.479	11548.85	2384.09	VB	1.0000e6	1.4928	5.8038		0.0116	5.8038
13	14.671	23005.73	9082.54	BV	1.0000e6	1.4928	5.8038		0.0230	5.8038
14	14.775	3584813.50	1.03e6	VB	1.0000e6	1.4928	5.8038		3.5848	5.8038
		38878672.00	4.41e6			20.8992	81.2533		268.0609	81.2533

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.915	3157275.75	405449.19	BV	4.6551e5	1.4928	3.8681	Benzene	6.7823	3.8681
4	6.908	8835031.00	919994.56	BB	1.2902e6	1.4928	3.8681	Toluene	6.8476	3.8681
5	10.874	2534454.50	232849.41	VV	3.7671e5	1.4928	3.8681	Ethyl_Benzene	6.7278	3.8681
6	11.157	5814579.00	472796.81	BV	8.6235e5	1.4928	3.8681	m - Xylene	6.7427	3.8681
7	12.750	5570364.00	388370.16	BE	8.2672e5	1.4928	3.8681	o-Xylene	6.7379	3.8681
		25911704.00	2.41e6			7.4640	19.3405		33.8383	19.3405

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.279	484171.31	55648.17	VV	4119.4507	1.4928	0.2477	1,4-DIFLUOROBENZENE	117.5330	0.2477
3	4.798	1008043.31	98769.34	VB	----------	1.4928	0.2477	TFT	0.0000	0.2477
8	14.139	167363.23	41431.10	VV	1588.1537	1.4928	0.2477	4-BROMOFLUOROBENZENE	105.3823	0.2477
		1659577.88	195848.63			4.4784	0.7432		222.9153	0.7432

END

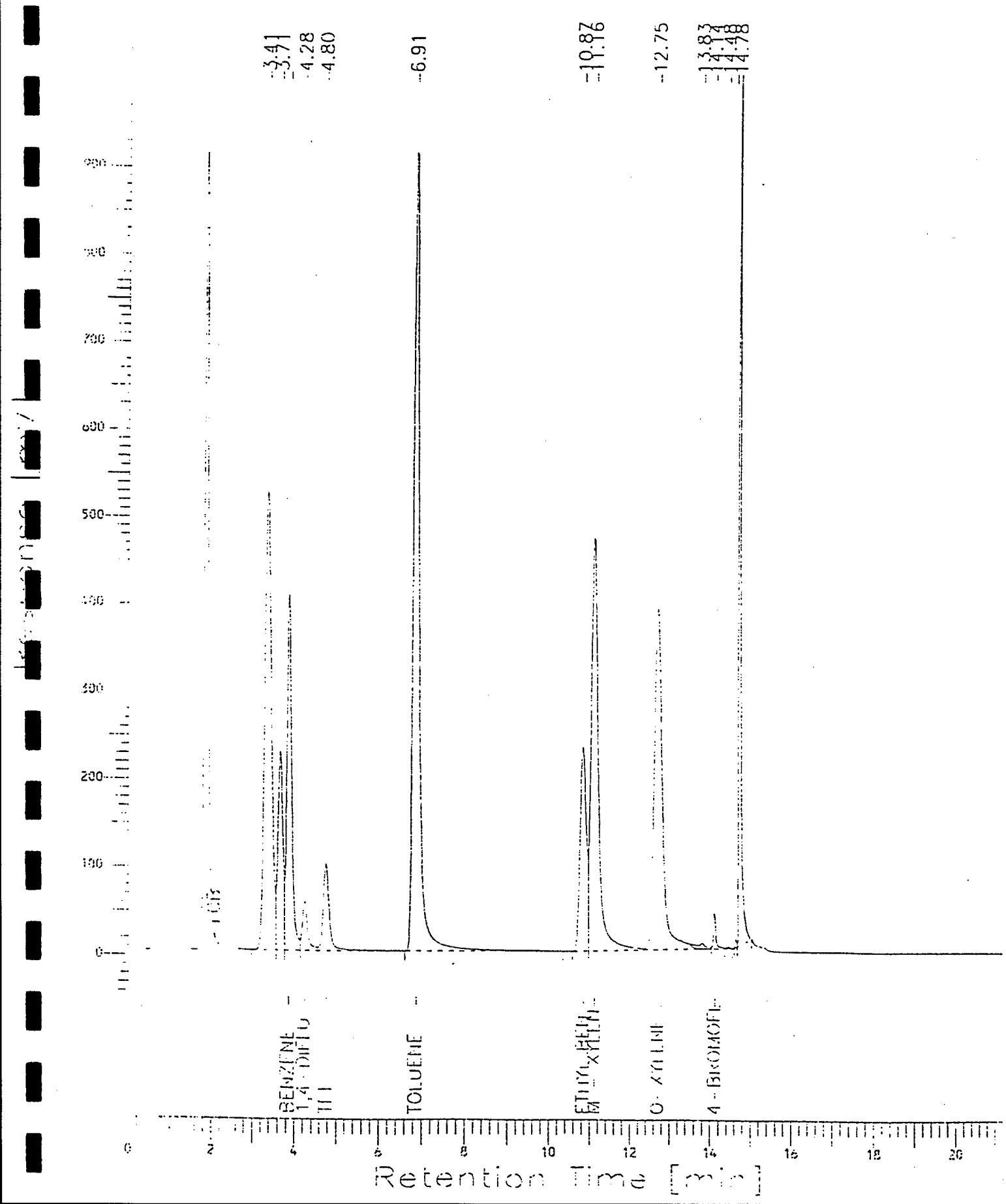
Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__523.TXO

Chromatogram

Sample Name : 7.2
FileName : l:\data\tchrom\btex\hp_u\UU__523.raw
Method : BTEXU.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 21.20 min
Plot Offset: -44 mV

Sample #: TC ;W;1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 20:36
Low Point : -44.14 mV
Plot Scale: 1044 mV



Software Version: 3.2 <16C20>
Sample Name : 9.0 Time : 08/22/95 11:02
Sample Number: TC ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/21/95 21:05
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__524.raw
Result File : l:\data\tchrom\btex\hp_u\UU__524.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : l:\data\tchrom\btex\methods\btexu.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

9.0 / [illegible] = [illegible]
[illegible] 4484.50 0.002007

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.423	7025459.50	638485.25	BV	1.0000e6	1.4928	6.9484		7.0255	6.9484
2	3.716	2306980.75	279523.53	VV	9.9999e5	1.4928	6.9484		2.3070	6.9484
3	3.927	3839854.50	500306.44	VV	4.7144e5	1.4928	6.9484	Benzene	8.1448	6.9484
4	4.289	519787.19	57145.21	VV	4171.9360	1.4928	6.9484	1,4-DIFLUOROBENZENE	124.5914	6.9484
5	4.808	1020886.63	99032.28	VB	----------	1.4928	6.9484	TFT	0.0000	6.9484
6	6.908	10544455.00	1.00e6	BB	1.3066e6	1.4928	6.9484	Toluene	8.0697	6.9484
7	10.891	3155287.75	287554.22	BV	3.8151e5	1.4928	6.9484	Ethyl_Benzene	8.2705	6.9484
8	11.176	7137403.00	591174.38	VV	8.7333e5	1.4928	6.9484	m - Xylene	8.1725	6.9484
9	12.771	6866657.50	486648.72	VE	8.3725e5	1.4928	6.9484	o-Xylene	8.2014	6.9484
10	13.834	86937.00	7158.85	EV	9.9999e5	1.4928	6.9484		0.0869	6.9484
11	14.142	160211.25	40890.87	VV	1608.3881	1.4928	6.9484	4-BROMOFLUOROBENZENE	99.6098	6.9484
12	14.481	10990.16	2655.34	VB	1.0000e6	1.4928	6.9484		0.0110	6.9484
13	14.674	35686.16	11974.53	BV	1.0000e6	1.4928	6.9484		0.0357	6.9484
14	14.775	3835328.50	1.03e6	VB	1.0000e6	1.4928	6.9484		3.8353	6.9484
		46545928.00	5.04e6			20.8992	97.2773		278.3615	97.2773

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.927	3839854.50	500306.44	BV	4.7144e5	1.4928	4.7088	Benzene	8.1448	4.7088
4	6.908	10544455.00	1.00e6	BB	1.3066e6	1.4928	4.7088	Toluene	8.0697	4.7088
5	10.891	3155287.75	287554.22	VV	3.8151e5	1.4928	4.7088	Ethyl_Benzene	8.2705	4.7088
6	11.176	7137403.00	591174.38	BV	8.7333e5	1.4928	4.7088	m - Xylene	8.1725	4.7088
7	12.771	6866657.50	486648.72	BE	8.3725e5	1.4928	4.7088	o-Xylene	8.2014	4.7088
		31543658.00	2.87e6			7.4640	23.5442		40.8589	23.5442

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.289	519787.19	57145.21	VV	4171.9360	1.4928	0.2539	1,4-DIFLUOROBENZENE	124.5914	0.2539
3	4.808	1020886.63	99032.28	VB	----------	1.4928	0.2539	TFT	0.0000	0.2539
8	14.142	160211.25	40890.87	VV	1608.3881	1.4928	0.2539	4-BROMOFLUOROBENZENE	99.6098	0.2539
		1700885.00	197068.38			4.4784	0.7617		224.2012	0.7617

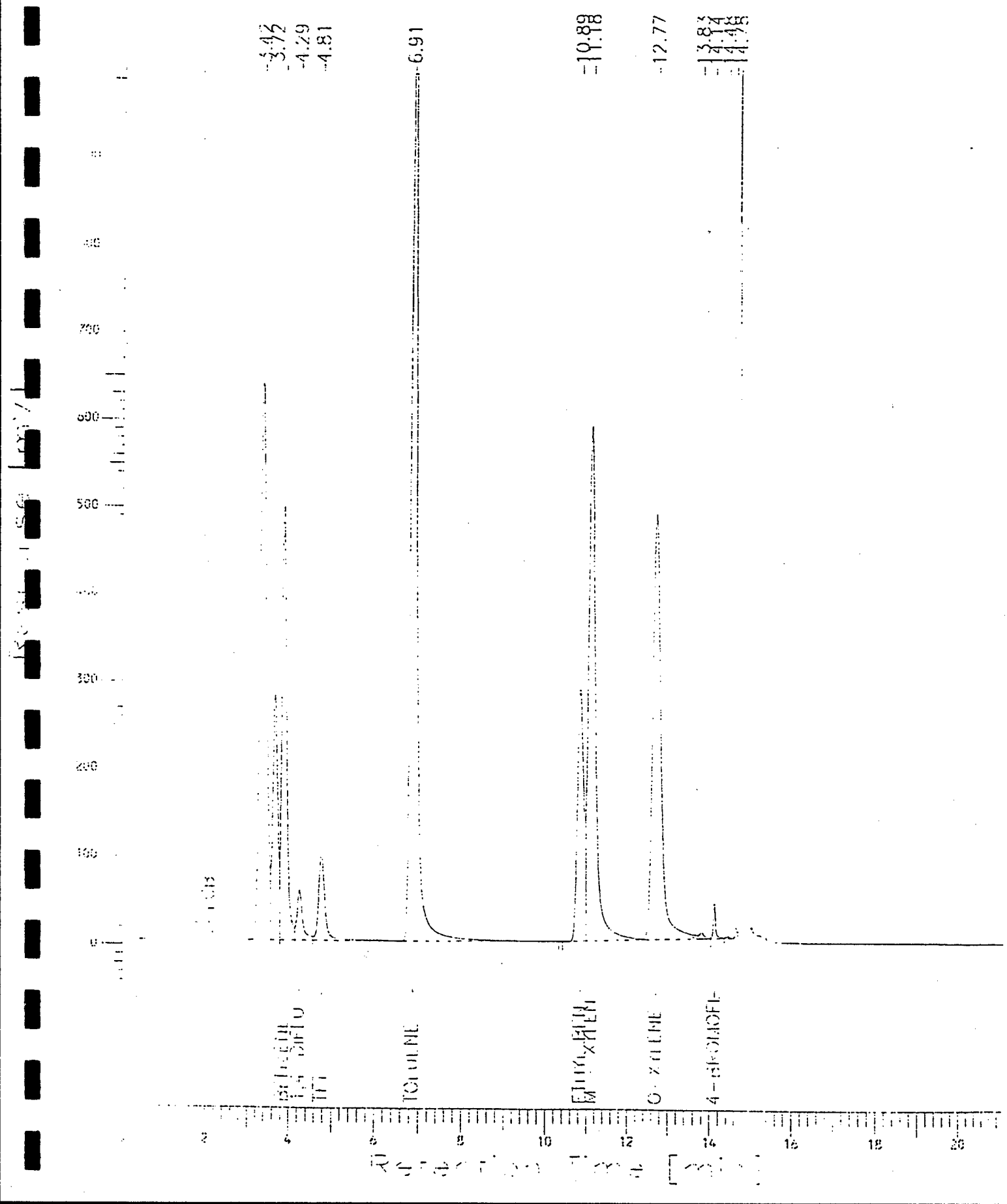
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__524.TXO

Chromatogram

Sample Name : 9.0
FileName : l:\data\tchrom\btex\hp_u\UU__524.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: -44 mV

Sample #: TC ;W;1 Page 1 of 1
Date : 08/22/95 11:02
Time of Injection: 08/21/95 21:05
Low Point : -44.12 mV High Point : 1000.00 mV
Plot Scale: 1044 mV



Continuing cal

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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : STD_0.9                    Time          : 08/25/95  20:15
Sample Number: TC ;W;1                    Study         : MODWG;1;PQL
Operator     : RR

Instrument   : HP_U                       Channel : B     A/D mV Range : 1000
AutoSampler  : NONE
Rack/Vial    : 0/0

Interface Serial # : 4153271317   Data Acquisition Time: 08/25/95  19:53
Delay Time   : 0.00   min.
End Time     : 21.20  min.
Sampling Rate : 1.0000   pts/sec

Raw Data File  : l:\data\tchrom\btex\hp_u\UU__666.raw
Result File    : l:\data\tchrom\btex\hp_u\UU__666.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File   : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File    : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File  : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

Inj. Volume    : 2 ul                     Area Reject     : 100.00
Sample Amount  : 1.0000                   Dilution Factor : 1.00
================================================================================
```

0.85 GRO

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM		PPB	PURFID PPM
1	3.391	601661.00	54810.69	BV	9.9999e5	1.8951	1.1302		0.6017	1.1302
2	3.694	177202.78	22951.18	VV	1.0000e6	1.8951	1.1302		0.1772	1.1302
3	3.871	380483.31	49209.52	VV	4.4348e5	1.8951	1.1302	Benzene	0.8580	1.1302
4	4.247	389684.13	51149.50	VV	3924.4497	1.8951	1.1302	1,4-DIFLUOROBENZENE	99.2965	1.1302
5	4.778	960325.94	99525.46	VV	----------	1.8951	1.1302	TFT	0.0000	1.1302
6	6.873	1083723.75	111015.28	VB	1.2291e6	1.8951	1.1302	Toluene	0.8817	1.1302
7	10.844	303461.88	28812.77	BV	3.5887e5	1.8951	1.1302	Ethyl_Benzene	0.8456	1.1302
8	11.115	707600.13	55606.13	VV	8.2153e5	1.8951	1.1302	m - Xylene	0.8613	1.1302
9	12.703	672985.50	46016.29	VV	7.8758e5	1.8951	1.1302	o-Xylene	0.8545	1.1302
10	13.823	7001.59	694.08	VV	1.0000e6	1.8951	1.1302		0.0070	1.1302
11	14.132	152443.39	39458.60	VB	1512.9758	1.8951	1.1302	4-BROMOFLUOROBENZENE	100.7573	1.1302
12	14.668	2387.22	1007.68	BV	1.0000e6	1.8951	1.1302		0.0024	1.1302
13	14.767	524849.81	188703.86	VB	9.9999e5	1.8951	1.1302		0.5249	1.1302
		5963810.00	748961.00			24.6363	14.6926		205.6680	14.6926

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.871	380483.31	49209.52	BV	4.4348e5	1.8951	0.5966	Benzene	0.8580	0.5966
4	6.873	1083723.75	111015.28	VB	1.2291e6	1.8951	0.5966	Toluene	0.8817	0.5966
5	10.844	303461.88	28812.77	VV	3.5887e5	1.8951	0.5966	Ethyl_Benzene	0.8456	0.5966
6	11.115	707600.13	55606.13	VV	8.2153e5	1.8951	0.5966	m - Xylene	0.8613	0.5966
7	12.703	672985.50	46016.29	BV	7.8758e5	1.8951	0.5966	o-Xylene	0.8545	0.5966
		3148254.50	290659.97			9.4755	2.9831		4.3010	2.9831

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.247	389684.13	51149.50	VV	3924.4497	1.8951	0.2847	1,4-DIFLUOROBENZENE	99.2965	0.2847
3	4.778	960325.94	99525.46	VV	----------	1.8951	0.2847	TFT	0.0000	0.2847
8	14.132	152443.39	39458.60	VB	1512.9758	1.8951	0.2847	4-BROMOFLUOROBENZENE	100.7573	0.2847
		1502453.38	190133.56			5.6853	0.8542		200.0538	0.8542

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================================================================================
END
================================================================================

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__666.TXO
```

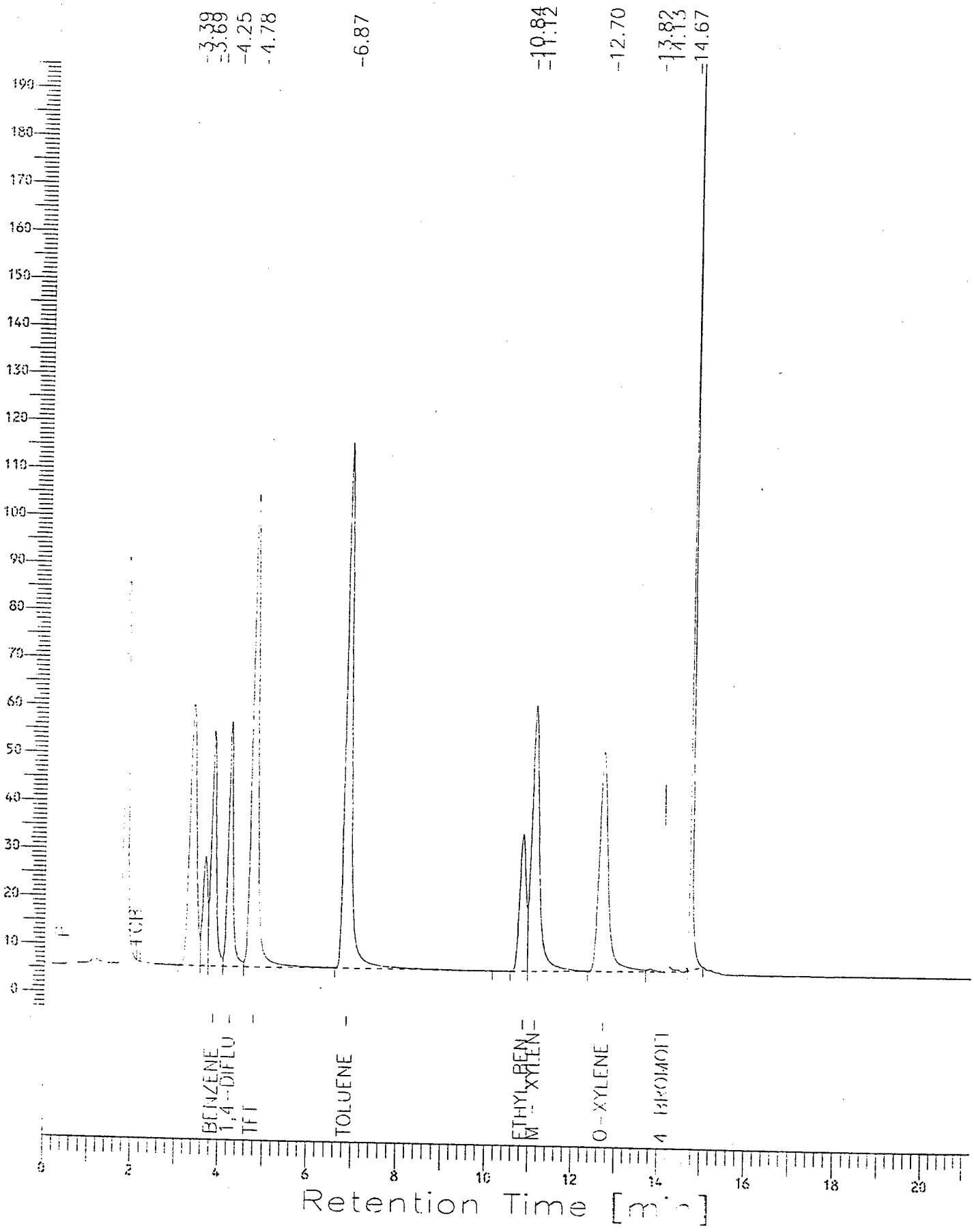
Chromatogram

Sample Name : STD_0.9
FileName : l:\data\tchrom\btex\hp_u\UU__666.raw
Method : BTEXU.ins
Start Time : 0.00 min
Scale Factor: 1

End Time : 21.20 min
Plot Offset: -4 mV

Sample #: TC ;W;1
Date : 08/25/95 20:15
Time of Injection: 08/25/95 19:53
Low Point : -3.91 mV
Plot Scale: 200 mV

High Point : 195.71 mV



Software Version: 3.2 <16C20>
Sample Name : LCS_1.0 Time : 08/25/95 21:12
Sample Number: TL ;W;1 Study : MODWG;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/25/95 20:51
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__668.raw
Result File : l:\data\tchrom\btex\hp_u\UU__668.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

0,86

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.390	521939.72	47515.86	BV	1.0000e6	1.8951	1.1432		0.5219	1.1432
2	3.693	162291.41	20991.32	VV	1.0000e6	1.8951	1.1432		0.1623	1.1432
3	3.867	323894.75	42107.00	VV	4.4326e5	1.8951	1.1432	Benzene	0.7307	1.1432
4	4.244	388958.16	51348.91	VV	3922.5461	1.8951	1.1432	1,4-DIFLUOROBENZENE	99.1596	1.1432
5	4.776	959860.06	99449.18	VV	----------	1.8951	1.1432	TFT	0.0000	1.1432
6	6.870	975161.00	99768.65	VB	1.2285e6	1.8951	1.1432	Toluene	0.7937	1.1432
7	10.843	271621.00	26277.04	BV	3.5870e5	1.8951	1.1432	Ethyl_Benzene	0.7572	1.1432
8	11.109	1178411.75	93532.70	VV	8.2113e5	1.8951	1.1432	m - Xylene	1.4351	1.1432
9	12.701	624006.88	42360.11	VV	7.8720e5	1.8951	1.1432	o-Xylene	0.7927	1.1432
10	14.132	149620.33	39463.80	VB	1512.2418	1.8951	1.1432	4-BROMOFLUOROBENZENE	98.9394	1.1432
11	14.668	3178.66	1130.61	BV	1.0000e6	1.8951	1.1432		0.0032	1.1432
12	14.766	473515.31	168410.44	VB	1.0000e6	1.8951	1.1432		0.4735	1.1432
		6032459.50	732355.63			22.7412	13.7185		203.7694	13.7185

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.867	323894.75	42107.00	BV	4.4326e5	1.8951	0.6392	Benzene	0.7307	0.6392
4	6.870	975161.00	99768.65	VB	1.2285e6	1.8951	0.6392	Toluene	0.7937	0.6392
5	10.843	271621.00	26277.04	VV	3.5870e5	1.8951	0.6392	Ethyl_Benzene	0.7572	0.6392
6	11.109	1178411.75	93532.70	VV	8.2113e5	1.8951	0.6392	m - Xylene	1.4351	0.6392
7	12.701	624006.88	42360.11	BV	7.8720e5	1.8951	0.6392	o-Xylene	0.7927	0.6392
		3373095.50	304045.50			9.4755	3.1962		4.5095	3.1962

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.244	388958.16	51348.91	VV	3922.5461	1.8951	0.2840	1,4-DIFLUOROBENZENE	99.1596	0.2840
3	4.776	959860.06	99449.18	VV	----------	1.8951	0.2840	TFT	0.0000	0.2840
8	14.132	149620.33	39463.80	VB	1512.2418	1.8951	0.2840	4-BROMOFLUOROBENZENE	98.9394	0.2840
		1498438.63	190261.89			5.6853	0.8519		198.0990	0.8519

END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__668.TXO

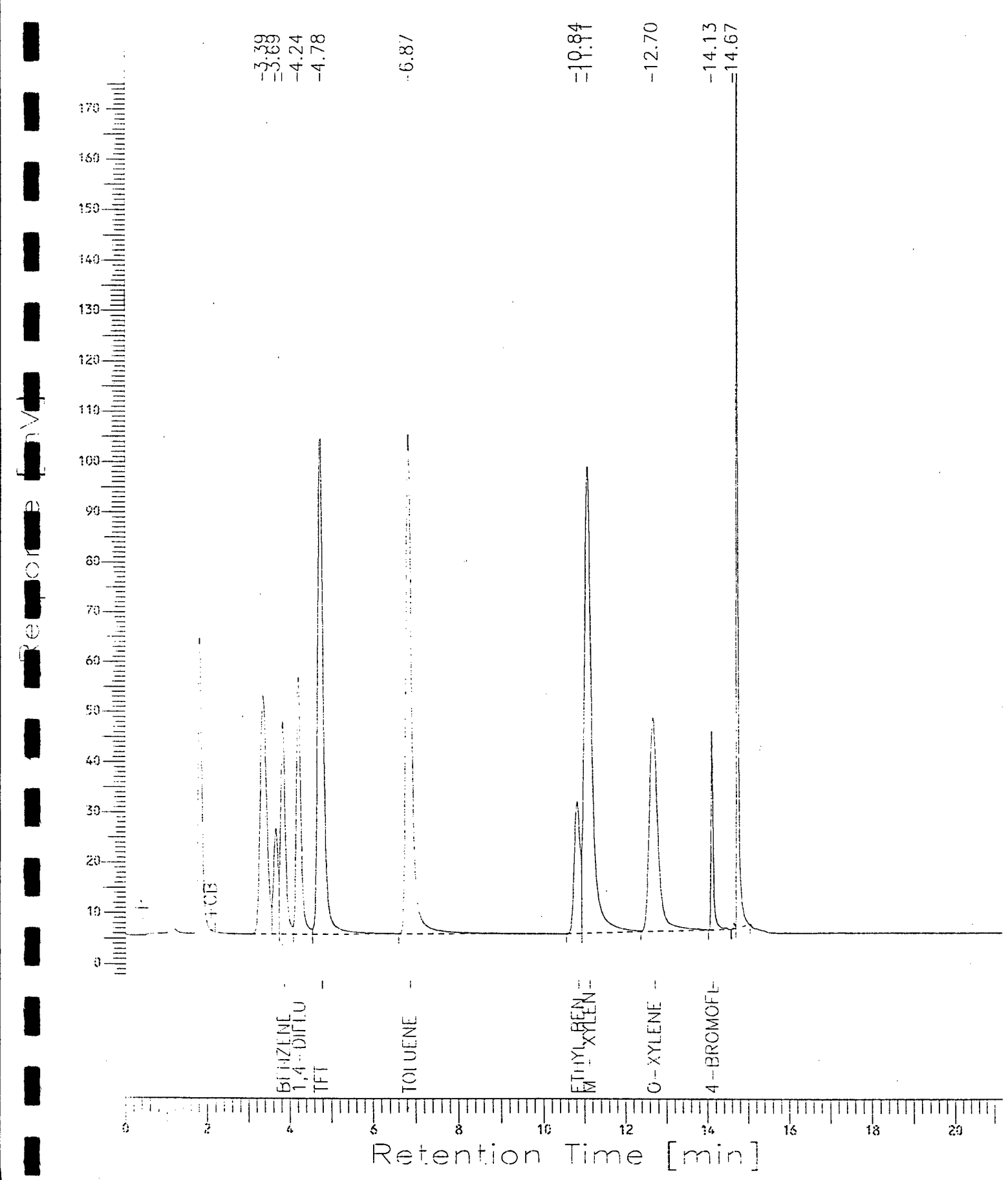
Chromatogram

Sample Name : LCS_1.0
FileName : l:\data\tchrom\btex\hp_u\UU__668.raw
Method : BTEXU.ins
Start Time : 0.00 min
Sample Factor: 1

End Time : 21.20 min
Plot Offset: -3 mV

Sample #: TL ;W;1
Date : 08/25/95 21:12
Time of Injection: 08/25/95 20:51
Low Point : -2.90 mV
Plot Scale: 178 mV

High Point : 175.54 mV



Software Version: 3.2 <16C20>
Sample Name : BLANK
Sample Number: B ;W;1
Operator : RR

Time : 08/25/95 23:09
Study : MODWG;1;PQL

Instrument : HP_U
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4153271317 Data Acquisition Time: 08/25/95 22:47
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__672.raw
Result File : l:\data\tchrom\btex\hp_u\UU__672.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

Inj. Volume : 2 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

UD

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.397	22132.84	1540.60	BV	1.0000e6	1.8951	0.2860		0.0221	0.2860
2	4.242	372421.63	49823.65	VV	3885.2905	1.8951	0.2860	1,4-DIFLUOROBENZENE	95.8543	0.2860
3	4.783	950743.50	97011.21	VB	----------	1.8951	0.2860	TFT	0.0000	0.2860
4	13.931	12523.50	334.26	BB	1.0000e6	1.8951	0.2860		0.0125	0.2860
5	14.136	142776.34	37289.59	BV	1497.8789	1.8951	0.2860	4-BROMOFLUOROBENZENE	95.3190	0.2860
6	14.765	8646.66	1401.71	VB	1.0000e6	1.8951	0.2860		0.0087	0.2860
		1509244.50	187401.05			11.3706	1.7161		191.2166	1.7161

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.885	0.00	0.00	VV	----------	1.8951	0.0000	Benzene	0.0000	0.0000
4	6.894	0.00	0.00	VV	----------	1.8951	0.0000	Toluene	0.0000	0.0000
5	10.870	0.00	0.00	VV	----------	1.8951	0.0000	Ethyl_Benzene	0.0000	0.0000
6	11.141	0.00	0.00	VV	----------	1.8951	0.0000	m - Xylene	0.0000	0.0000
7	12.733	0.00	0.00	VV	----------	1.8951	0.0000	o-Xylene	0.0000	0.0000
		0.00	0.00			9.4755	0.0000		0.0000	0.0000

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.242	372421.63	49823.65	VV	3885.2905	1.8951	0.2778	1,4-DIFLUOROBENZENE	95.8543	0.2778
3	4.783	950743.50	97011.21	VB	----------	1.8951	0.2778	TFT	0.0000	0.2778
8	14.136	142776.34	37289.59	VV	1497.8789	1.8951	0.2778	4-BROMOFLUOROBENZENE	95.3190	0.2778
		1465941.50	184124.45			5.6853	0.8334		191.1733	0.8334

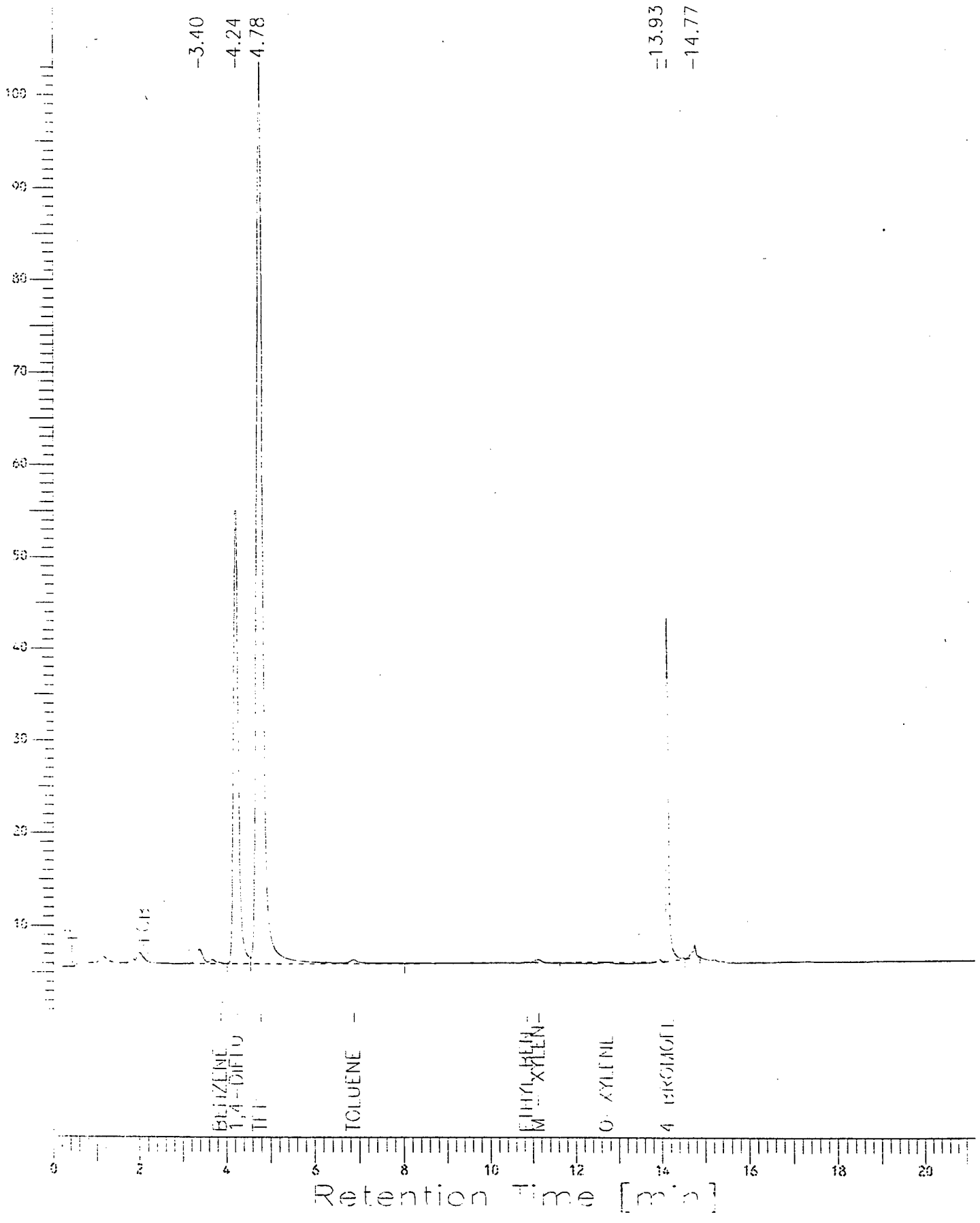
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__672.TXO

Chromatogram

Sample Name : BLANK
FileName : l:\data\tchrom\btex\hp_u\UU__672.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: B ;W;1 Page 1 of 1
Date : 08/25/95 23:09
Time of Injection: 08/25/95 22:47
Low Point : 0.72 mV High Point : 103.01 mV
Plot Scale: 102 mV



Software Version: 3.2 <16C20>
Sample Name : 100 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:14 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 04:41 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__994.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Cyme

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	3.100	184166.13	34587.63	BE	5.0000e5	0.4539	94.7503		0.3683
2	3.704	9117.00	592.23	EV	5.0000e5	0.4539	94.7503		0.0182
3	4.412	1543.69	226.74	VB	5.0000e5	0.4539	94.7503		0.0031
4	4.696	273.98	59.38	BV	5.0000e5	0.4539	94.7503		0.0006
5	4.812	1427.97	250.18	VB	5.0000e5	0.4539	94.7503		0.0029
6	5.090	215761.84	27417.36	BE	5.0000e5	0.4539	94.7503		0.4315
7	6.295	899.00	85.59	EV	5.0000e5	0.4539	94.7503		0.0018
8	6.419	938.09	167.95	VB	5.0000e5	0.4539	94.7503		0.0019
9	6.633	232122.25	27587.36	BV	4.9999e5	0.4539	94.7503		0.4642
10	7.760	749.72	183.16	VB	5.0000e5	0.4539	94.7503		0.0015
11	7.940	243113.25	45847.97	BV	1970.0000	0.4539	94.7503	Total Petroleum Hydr	123.4077
12	8.950	300.69	75.21	VB	1970.0000	0.4539	94.7503	o-Terphenyl	0.1526
13	9.111	246097.00	56561.37	BB	5.0000e5	0.4539	94.7503		0.4922
14	10.034	1806.02	485.34	BV	5.0000e5	0.4539	94.7503		0.0036
15	10.171	242554.00	64852.91	VE	5.0000e5	0.4539	94.7503		0.4851
16	10.870	536.00	91.72	EB	5.0000e5	0.4539	94.7503		0.0011
17	11.144	226066.00	65098.77	BB	5.0000e5	0.4539	94.7503		0.4521
18	12.038	204594.00	62404.09	BB	5.0000e5	0.4539	94.7503		0.4092
19	12.867	174263.50	46781.00	BE	4.9999e5	0.4539	94.7503		0.3485
20	13.148	9227.00	511.29	EB	5.0000e5	0.4539	94.7503		0.0185
21	13.664	92143.50	26087.31	BB	5.0000e5	0.4539	94.7503		0.1843
		2087700.75	459954.53			9.5309	1989.7559		127.2490

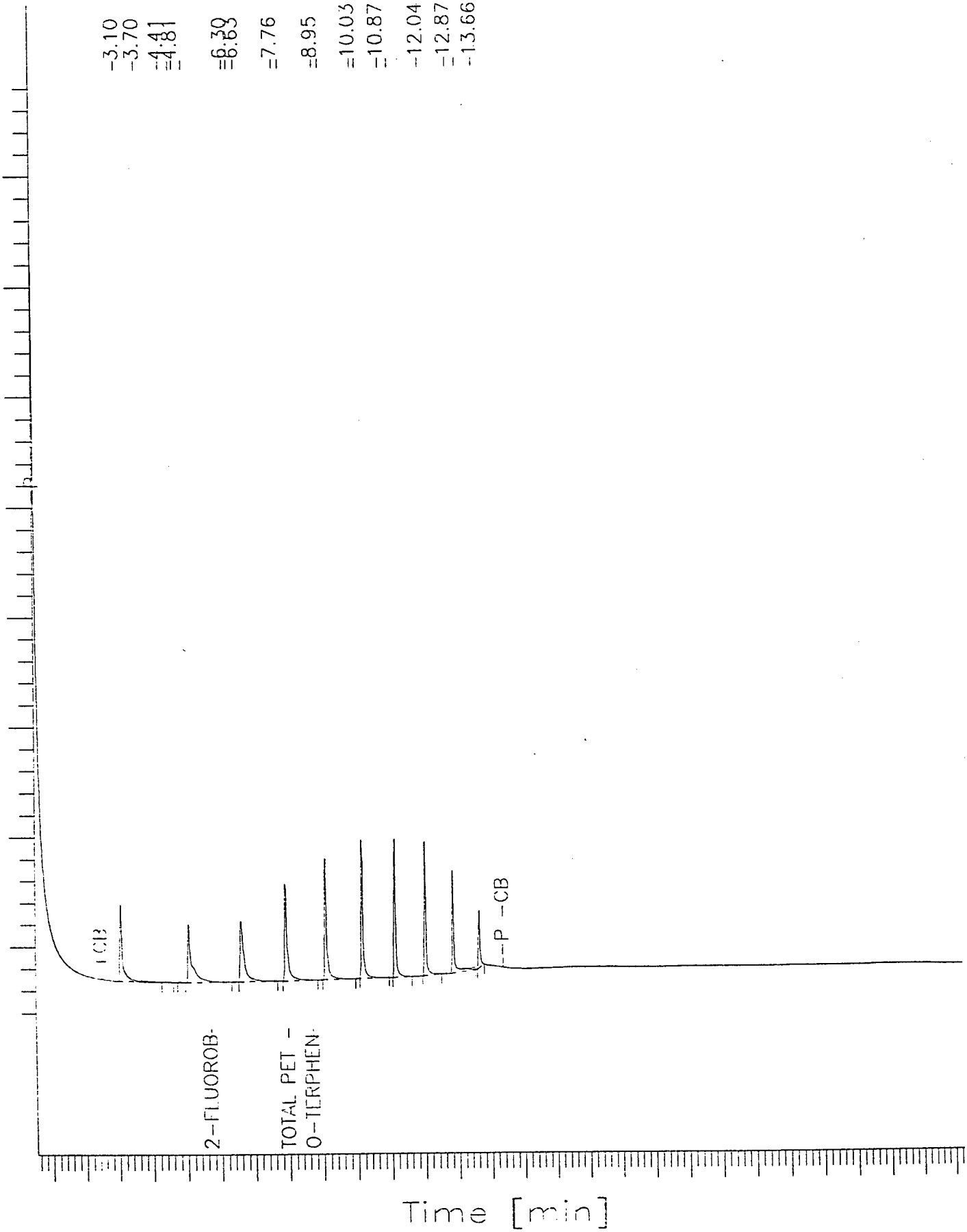
END

DRO

Chromatogram

Sample Name : 100 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__994.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: 13 mV

Sample #:
Date : 8/28/95 02:15 PM
Time of Injection: 8/28/95 04:41 AM
Low Point : 13.15 mV High Point : 448.21 mV
Plot Scale: 435 mV



Software Version: 3.2 <16C20>
Sample Name : 375 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:15 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 05:15 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__995.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

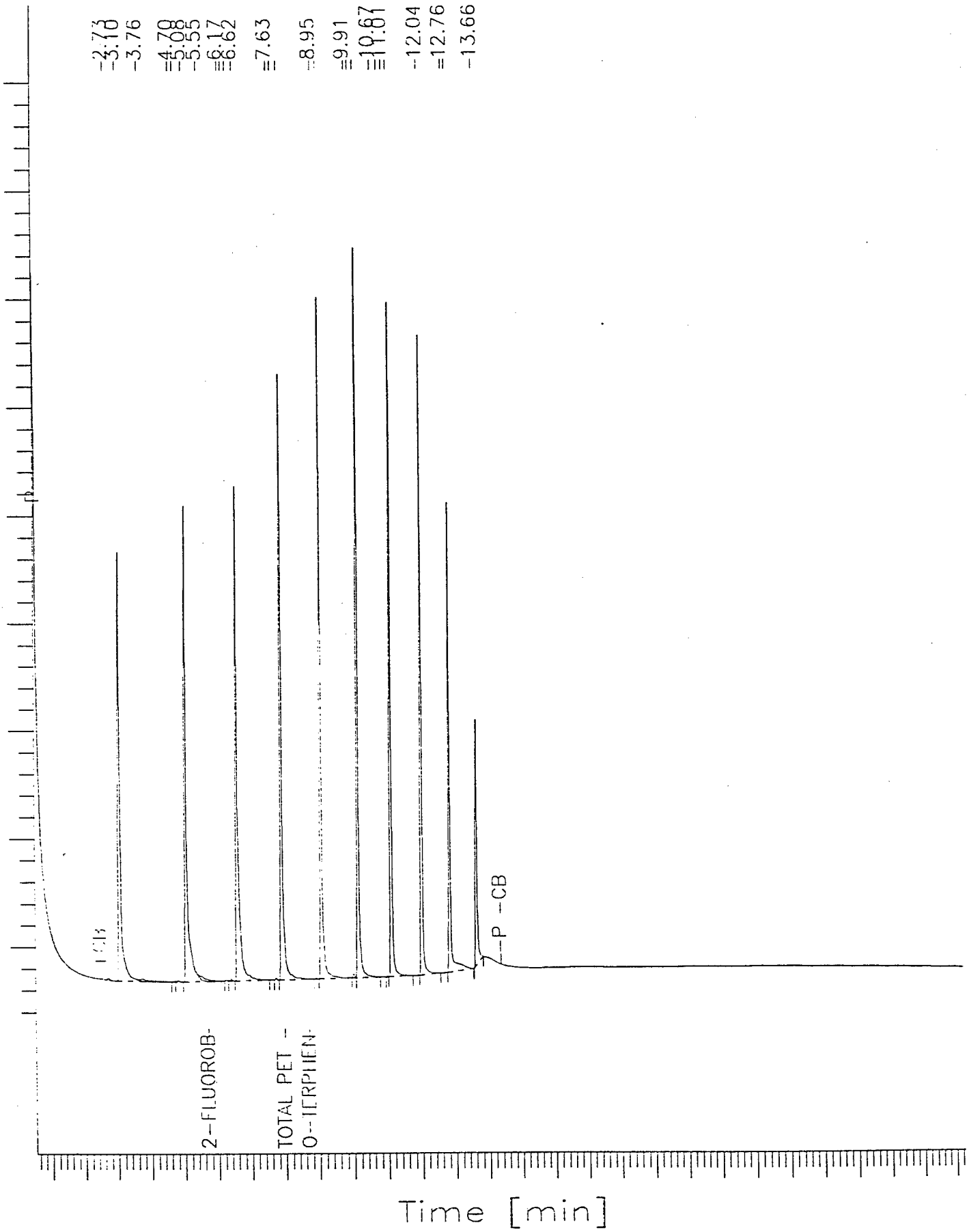
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.734	3265.00	866.20	BB	5.0000e5	0.4539	383.8077		0.0065
2	3.096	831448.00	201740.33	BE	5.0000e5	0.4539	383.8077		1.6629
3	3.763	19895.00	1024.08	EV	5.0000e5	0.4539	383.8077		0.0398
4	4.702	781.69	209.11	VV	5.0000e5	0.4539	383.8077		0.0016
5	4.832	2833.97	702.60	VB	5.0000e5	0.4539	383.8077		0.0057
6	5.084	868626.00	220507.31	BE	5.0000e5	0.4539	383.8077		1.7373
7	5.545	24653.00	1644.85	EV	1970.0000	0.4539	383.8077	2-FLUOROBIPHENYL	12.5142
8	6.174	1370.69	267.13	VV	5.0000e5	0.4539	383.8077		0.0027
9	6.284	2671.58	563.21	VV	5.0000e5	0.4539	383.8077		0.0053
10	6.409	4638.66	1156.50	VB	5.0000e5	0.4539	383.8077		0.0093
11	6.615	933569.50	229386.98	BV	5.0000e5	0.4539	383.8077		1.8671
12	7.629	1928.81	323.57	VV	5.0000e5	0.4539	383.8077		0.0039
13	7.751	3003.13	997.08	VV	5.0000e5	0.4539	383.8077		0.0060
14	7.931	970030.50	282506.38	VV	1970.0000	0.4539	383.8077	Total Petroleum Hydr	492.4013
15	8.945	1076.00	374.54	VB	1970.0000	0.4539	383.8077	o-Terphenyl	0.5462
16	9.103	980384.56	318435.47	BE	5.0000e5	0.4539	383.8077		1.9608
17	9.913	1392.00	256.61	EB	5.0000e5	0.4539	383.8077		0.0028
18	10.026	6591.47	2007.47	BV	5.0000e5	0.4539	383.8077		0.0132
19	10.167	969313.75	337677.41	VE	5.0000e5	0.4539	383.8077		1.9386
20	10.667	2555.00	378.85	EV	5.0000e5	0.4539	383.8077		0.0051
21	10.862	1720.84	342.32	VB	5.0000e5	0.4539	383.8077		0.0034
22	11.012	446.00	185.08	BB	5.0000e5	0.4539	383.8077		0.0009
23	11.139	930831.00	324040.25	BB	5.0000e5	0.4539	383.8077		1.8617
24	12.035	825123.38	297288.97	BV	5.0000e5	0.4539	383.8077		1.6503
25	12.760	264.66	158.20	VB	4.9999e5	0.4539	383.8077		0.0005
26	12.865	678159.00	218460.72	BB	5.0000e5	0.4539	383.8077		1.3563
27	13.662	390135.00	116275.18	BB	5.0000e5	0.4539	383.8077		0.7803
		8456708.00	2.55e6			12.2540	10362.8066		520.3836

END

Chromatogram

Sample Name : 375 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__995.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Sample Factor: 1 Plot Offset: 13 mV

Sample #:
Date : 8/28/95 02:15 PM
Time of Injection: 8/28/95 05:15 AM
Low Point : 12.87 mV High Point : 455.70 mV
Plot Scale: 443 mV



Software Version: 3.2 <16C20>
Sample Name : 500 PPM Time : 8/28/95 02:16 PM
Sample Number: Study : DROS
Operator : SEG

Instrument : HP_T Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 05:50 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__996.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

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

Area/Concentration Report

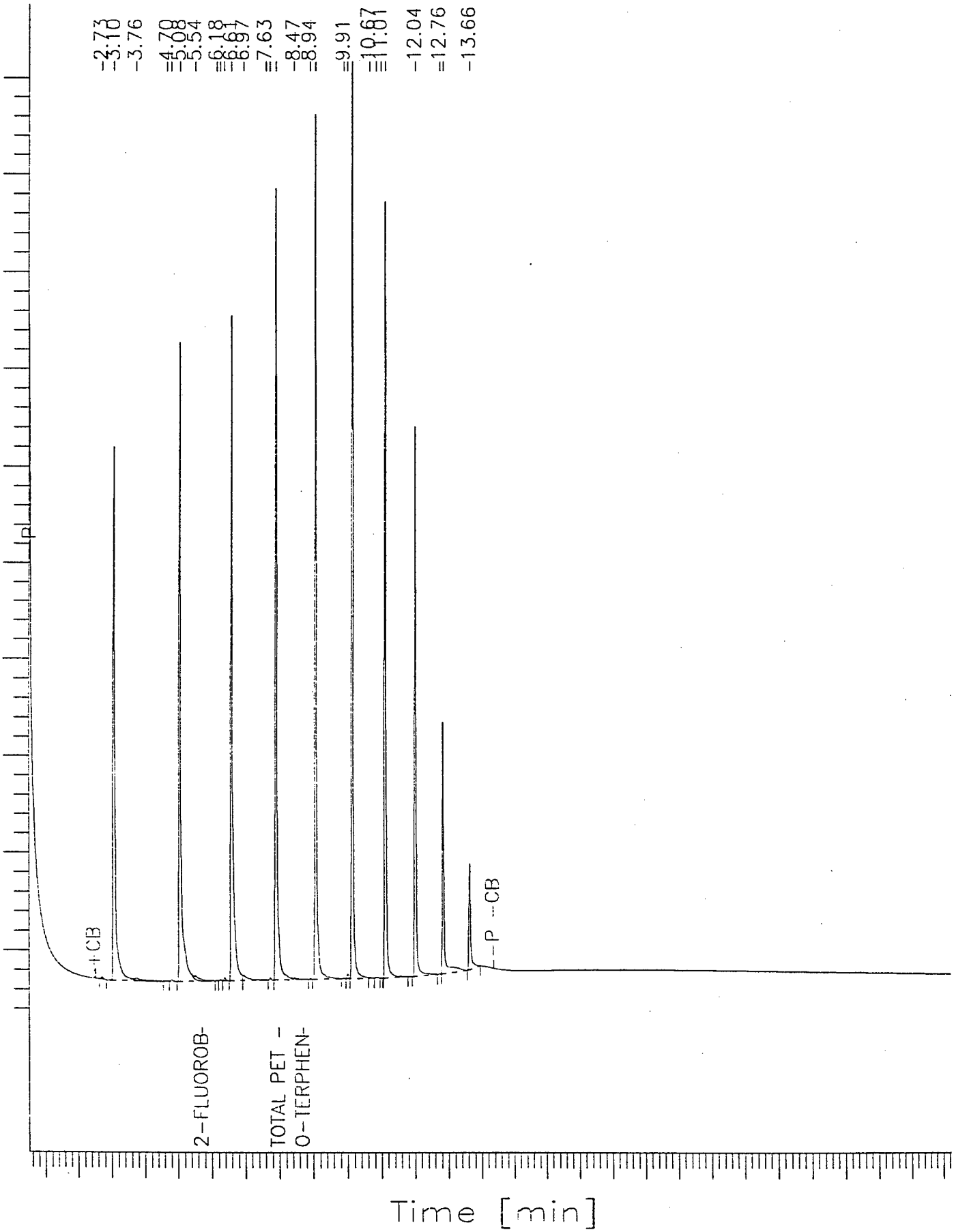
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.734	4338.00	1151.84	BB	5.0000e5	0.4539	463.1568		0.0087
2	3.095	1107244.50	281168.59	BE	5.0000e5	0.4539	463.1568		2.2145
3	3.757	22569.00	1210.87	EV	4.9999e5	0.4539	463.1568		0.0451
4	4.701	1403.66	297.92	VV	5.0000e5	0.4539	463.1568		0.0028
5	4.831	3857.91	1011.69	VB	5.0000e5	0.4539	463.1568		0.0077
6	5.083	1181364.63	329789.28	BE	5.0000e5	0.4539	463.1568		2.3627
7	5.543	27004.00	1831.62	EV	1970.0000	0.4539	463.1568	2-FLUOROBIPHENYL	13.7076
8	6.178	1620.97	322.29	VV	4.9999e5	0.4539	463.1568		0.0032
9	6.282	3548.00	772.28	VV	5.0000e5	0.4539	463.1568		0.0071
10	6.406	6336.53	1693.38	VB	5.0000e5	0.4539	463.1568		0.0127
11	6.615	1234549.25	344715.59	BV	5.0000e5	0.4539	463.1568		2.4691
12	6.966	34239.91	2869.65	VE	5.0000e5	0.4539	463.1568		0.0685
13	7.628	2749.00	412.70	EV	5.0000e5	0.4539	463.1568		0.0055
14	7.751	4273.00	1409.79	VV	4.9999e5	0.4539	463.1568		0.0086
15	7.931	1305738.38	411485.09	VE	1970.0000	0.4539	463.1568	Total Petroleum Hydr	662.8113
16	8.466	7637.00	634.58	EV	5.0000e5	0.4539	463.1568		0.0153
17	8.944	1507.23	536.04	VB	1970.0001	0.4539	463.1568	o-Terphenyl	0.7651
18	9.102	1321907.38	448591.34	BV	5.0000e5	0.4539	463.1568		2.6438
19	9.914	1805.34	364.58	VV	5.0000e5	0.4539	463.1568		0.0036
20	10.024	7663.86	2661.09	VV	5.0000e5	0.4539	463.1568		0.0153
21	10.167	1296865.75	467864.84	VV	5.0000e5	0.4539	463.1568		2.5937
22	10.667	2712.28	540.03	VV	5.0000e5	0.4539	463.1568		0.0054
23	10.862	2132.44	434.67	VB	5.0000e5	0.4539	463.1568		0.0043
24	11.011	607.00	243.64	BB	4.9999e5	0.4539	463.1568		0.0012
25	11.139	1169805.00	414696.25	BB	4.9999e5	0.4539	463.1568		2.3396
26	12.035	805079.25	284560.28	BV	5.0000e5	0.4539	463.1568		1.6102
27	12.760	707.81	246.49	VB	5.0000e5	0.4539	463.1568		0.0014
28	12.865	441826.00	129753.96	BB	5.0000e5	0.4539	463.1568		0.8837
29	13.662	203969.00	55088.02	BB	5.0000e5	0.4539	463.1568		0.4079
		10205062.00	3.18e6			13.1617	13431.5518		695.0257

END

Chromatogram

mple Name : 500 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__996.RAW
Method : DIESELT.ins
art Time : 0.50 min End Time : 28.25 min
ale Factor: 1 Plot Offset: 11 mV

Sample #: Page 1 of 1
Date : 8/28/95 02:16 PM
Time of Injection: 8/28/95 05:50 AM
Low Point : 10.82 mV High Point : 503.73 mV
Plot Scale: 493 mV



Software Version: 3.2 <16C20>
Sample Name : 750 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:16 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 06:25 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__997.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

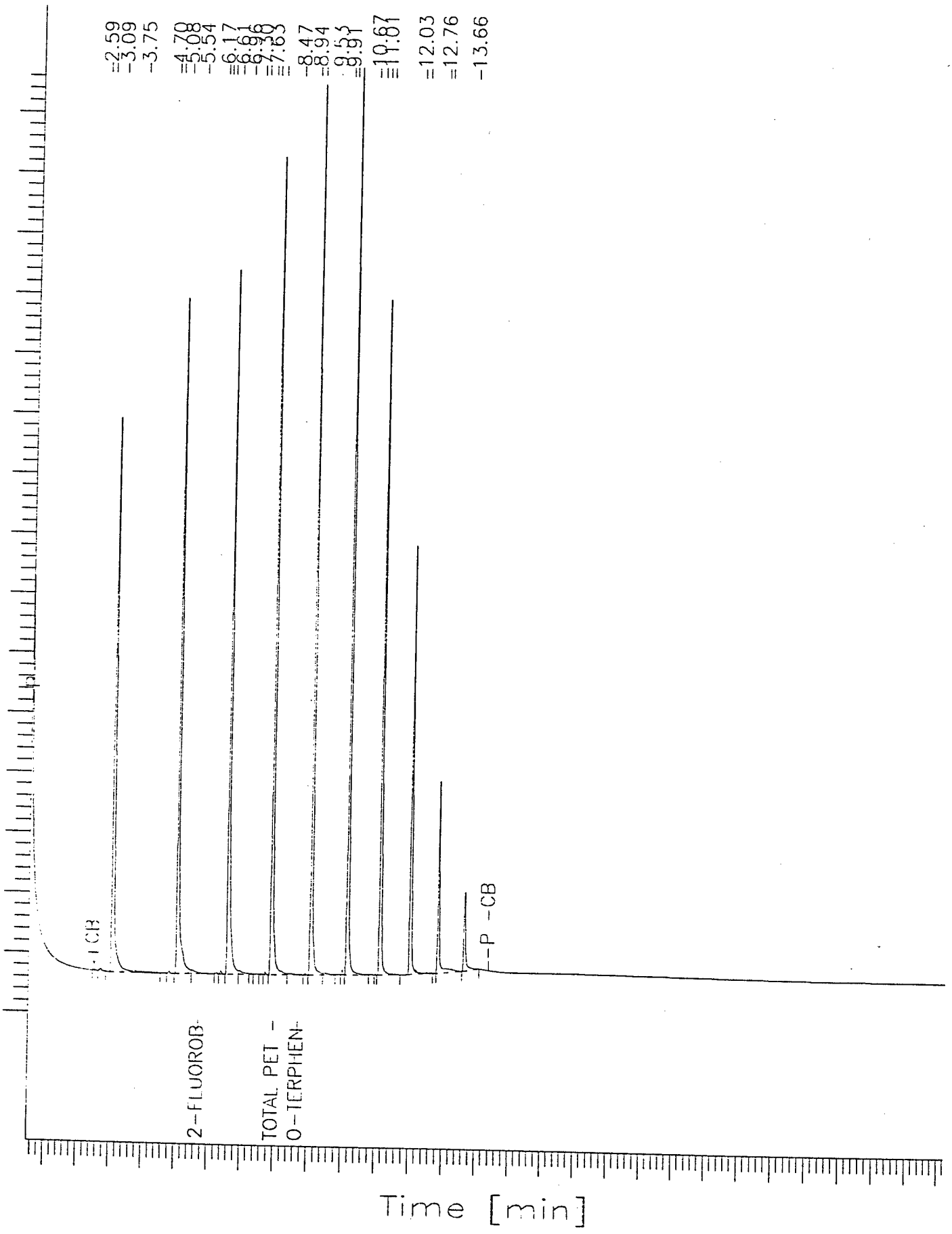
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.585	1727.34	358.29	BV	5.0000e5	0.4539	691.8588		0.0035
2	2.733	7445.69	1930.05	VB	5.0000e5	0.4539	691.8588		0.0149
3	3.094	1787859.13	478864.50	BE	5.0000e5	0.4539	691.8588		3.5757
4	3.752	29461.00	1472.71	EV	5.0000e5	0.4539	691.8588		0.0589
5	4.700	2767.97	535.78	VV	5.0000e5	0.4539	691.8588		0.0055
6	4.829	6431.78	1700.11	VB	5.0000e5	0.4539	691.8588		0.0129
7	5.081	1841422.25	565617.88	BV	5.0000e5	0.4539	691.8588		3.6828
8	5.540	39650.59	3214.32	VE	1970.0000	0.4539	691.8588	2-FLUOROBIPHENYL	20.1272
9	6.174	2872.00	469.99	EV	5.0000e5	0.4539	691.8588		0.0057
10	6.281	5898.53	1249.42	VV	5.0000e5	0.4539	691.8588		0.0118
11	6.404	9985.03	2811.76	VV	5.0000e5	0.4539	691.8588		0.0200
12	6.613	1935597.75	597095.00	VV	5.0000e5	0.4539	691.8588		3.8712
13	6.964	30711.19	3280.38	VV	5.0000e5	0.4539	691.8588		0.0614
14	7.295	4792.09	717.94	VV	5.0000e5	0.4539	691.8588		0.0096
15	7.421	3951.53	639.14	VV	5.0000e5	0.4539	691.8588		0.0079
16	7.628	3139.94	609.33	VV	5.0000e5	0.4539	691.8588		0.0063
17	7.749	6106.13	2077.54	VV	4.9999e5	0.4539	691.8588		0.0122
18	7.930	2034230.63	692679.38	VV	1970.0000	0.4539	691.8588	Total Petroleum Hydr	1032.6044
19	8.467	12575.06	1113.32	VV	4.9999e5	0.4539	691.8588		0.0252
20	8.942	2646.13	954.91	VB	1970.0000	0.4539	691.8588	o-Terphenyl	1.3432
21	9.102	2041224.25	743869.00	BV	5.0000e5	0.4539	691.8588		4.0825
22	9.533	16688.00	1483.86	VV	5.0000e5	0.4539	691.8588		0.0334
23	9.913	2713.69	557.45	VV	5.0000e5	0.4539	691.8588		0.0054
24	10.022	11118.38	4181.56	VV	5.0000e5	0.4539	691.8588		0.0222
25	10.167	1981880.50	747054.19	VE	5.0000e5	0.4539	691.8588		3.9638
26	10.667	3675.00	637.65	EV	5.0000e5	0.4539	691.8588		0.0074
27	10.859	3156.09	682.60	VB	5.0000e5	0.4539	691.8588		0.0063
28	11.010	937.50	388.70	BB	5.0000e5	0.4539	691.8588		0.0019
29	11.138	1610677.00	580494.00	BB	5.0000e5	0.4539	691.8588		3.2214
30	12.034	984851.00	357600.81	BE	5.0000e5	0.4539	691.8588		1.9697
31	12.195	14147.00	1806.76	EB	5.0000e5	0.4539	691.8588		0.0283
32	12.757	1383.11	551.10	BV	5.0000e5	0.4539	691.8588		0.0028
33	12.864	534106.38	160913.17	VB	5.0000e5	0.4539	691.8588		1.0682
34	13.659	268388.00	68883.01	BB	5.0000e5	0.4539	691.8588		0.5368
		15244216.00	5.02e6			15.4309	23523.2012		1080.4100

END

Chromatogram

mple Name : 750 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__997.RAW
Method : DIESELT.ins
art Time : 0.50 min End Time : 28.25 min
ale Factor: 1 Plot Offset: -3 mV

Sample #:
Date : 8/28/95 02:16 PM
Time of Injection: 8/28/95 06:25 AM
Low Point : -2.71 mV High Point : 783.53 mV
Plot Scale: 786 mV



Software Version: 3.2 <16C20>
Sample Name : 1000 PPM
Sample Number:
Operator : SEG

Time : 8/28/95 02:17 PM
Study : DROS

Instrument : HP_T
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 4118271220 Data Acquisition Time: 8/28/95 07:00 AM
Delay Time : 0.50 min.
End Time : 28.25 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : L:\DATA\TCHROM\PEST\HP_T\TT__998.RAW
Result File : C:\WINDOWS\TEMP\~rst3E3E.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File : <none>

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 100.00
Dilution Factor : 1.00

Area/Concentration Report

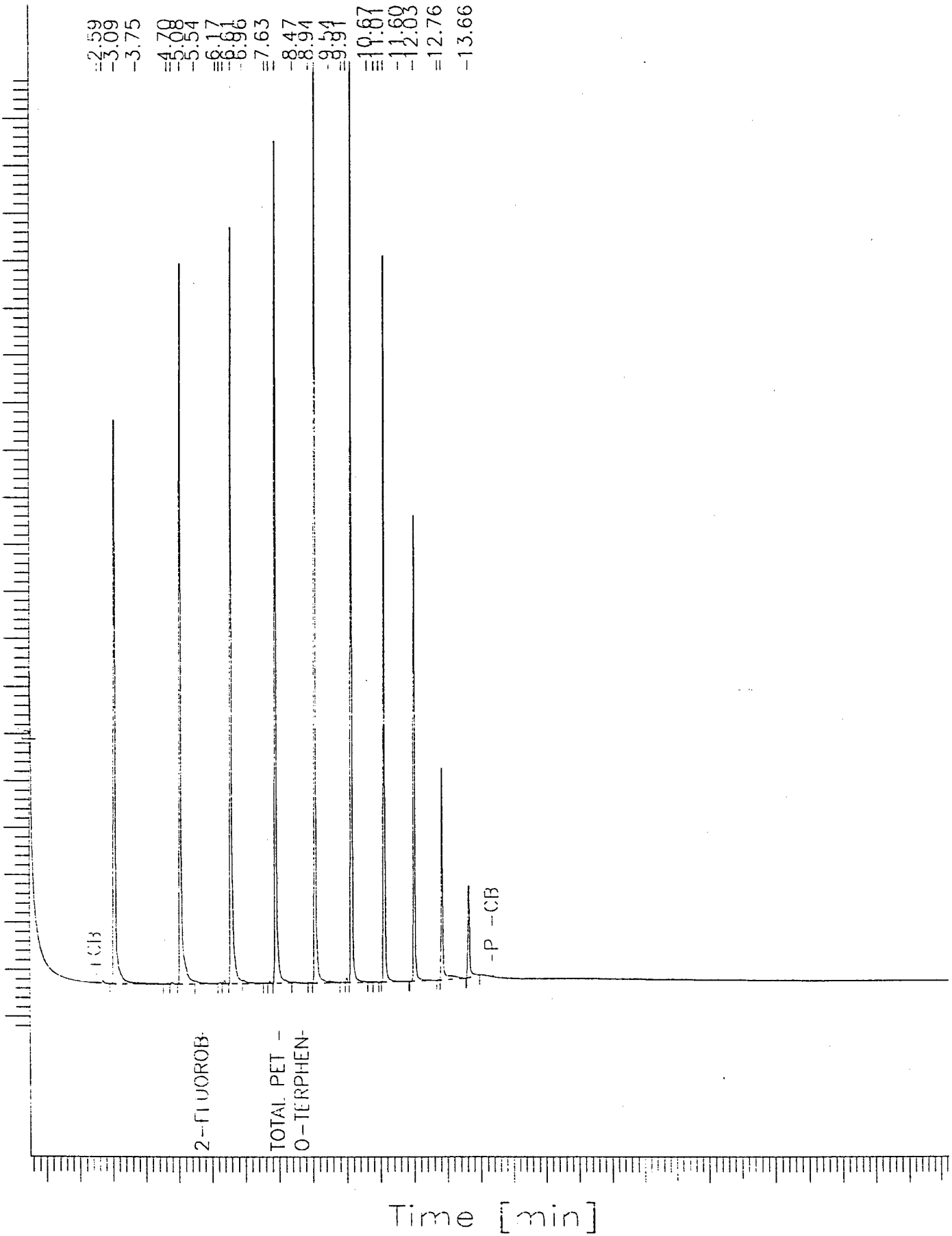
Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.586	2408.00	481.26	BV	5.0000e5	0.4539	889.1388		0.0048
2	2.733	9520.00	2491.57	VB	5.0000e5	0.4539	889.1388		0.0190
3	3.094	2240290.75	617467.63	BE	5.0000e5	0.4539	889.1388		4.4806
4	3.748	33403.00	1663.39	EV	4.9999e5	0.4539	889.1388		0.0668
5	4.699	3548.00	689.23	VV	5.0000e5	0.4539	889.1388		0.0071
6	4.829	8275.09	2200.60	VB	5.0000e5	0.4539	889.1388		0.0166
7	5.082	2359146.25	765108.38	BV	4.9999e5	0.4539	889.1388		4.7183
8	5.537	42556.69	3447.10	VE	1970.0000	0.4539	889.1388	2-FLUOROBIPHENYL	21.6024
9	6.173	4204.00	632.84	EV	5.0000e5	0.4539	889.1388		0.0084
10	6.279	7804.38	1634.46	VV	5.0000e5	0.4539	889.1388		0.0156
11	6.404	13301.41	3768.55	VV	5.0000e5	0.4539	889.1388		0.0266
12	6.613	2490830.50	816534.81	VV	5.0000e5	0.4539	889.1388		4.9817
13	6.964	42255.75	3550.70	VV	4.9999e5	0.4539	889.1388		0.0845
14	7.627	3836.69	758.86	VV	5.0000e5	0.4539	889.1388		0.0077
15	7.748	7720.50	2649.49	VV	5.0000e5	0.4539	889.1388		0.0154
16	7.929	2589687.50	910600.00	VV	1970.0001	0.4539	889.1388	Total Petroleum Hydr	1314.5621
17	8.466	13702.38	1267.50	VV	5.0000e5	0.4539	889.1388		0.0274
18	8.941	3177.03	1182.17	VB	1970.0000	0.4539	889.1388	o-Terphenyl	1.6127
19	9.102	2584189.25	967572.81	BE	5.0000e5	0.4539	889.1388		5.1684
20	9.535	15723.00	1452.98	EV	5.0000e5	0.4539	889.1388		0.0315
21	9.912	3487.25	712.66	VV	5.0000e5	0.4539	889.1388		0.0070
22	10.021	14215.73	5485.49	VV	5.0000e5	0.4539	889.1388		0.0284
23	10.167	2519170.25	963559.75	VV	5.0000e5	0.4539	889.1388		5.0383
24	10.666	3809.31	888.43	VV	5.0000e5	0.4539	889.1388		0.0076
25	10.859	3890.44	831.71	VB	5.0000e5	0.4539	889.1388		0.0078
26	11.009	1265.00	515.23	BB	5.0000e5	0.4539	889.1388		0.0025
27	11.139	2140792.00	794638.44	BE	5.0000e5	0.4539	889.1388		4.2816
28	11.597	954.00	232.69	EB	5.0000e5	0.4539	889.1388		0.0019
29	12.034	1340763.50	493732.44	BB	5.0000e5	0.4539	889.1388		2.6815
30	12.757	2547.89	971.02	BV	5.0000e5	0.4539	889.1388		0.0051
31	12.864	722502.13	226777.48	VB	5.0000e5	0.4539	889.1388		1.4450
32	13.660	362050.00	101155.70	BB	5.0000e5	0.4539	889.1388		0.7241
		19591026.00	6.69e6			14.5232	28452.4395		1371.6884

END

Chromatogram

Sample Name : 1000 PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__998.RAW
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -13 mV

Sample #: Page 1 of 1
Date : 8/28/95 02:17 PM
Time of Injection: 8/28/95 07:00 AM
Low Point : -13.28 mV High Point : 1000.00 mV
Plot Scale: 1013 mV



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================================================================================
Software Version: 3.2 <16C20>
Sample Name  : 1000_PPM                Time         : 8/29/95  09:46 AM
Sample Number: TC ;W                   Study        : DROW
Operator     : SEG

Instrument   : HP_T                    Channel : B      A/D mV Range : 1000
AutoSampler  : HP 7673A
Rack/Vial    : 0/0

Interface Serial # : 4118271220   Data Acquisition Time: 8/28/95  07:06 PM
Delay Time   : 0.50   min.
End Time     : 28.25  min.
Sampling Rate : 1.0000   pts/sec

Raw Data File  : L:\DATA\TCHROM\PEST\HP_T\TT__007.raw
Result File    : C:\WINDOWS\TEMP\~rst0668.rst
Instrument File: L:\DATA\TCHROM\PEST\METHODS\DIESELT.ins
Process File   : L:\DATA\TCHROM\PEST\METHODS\DIESELT.prc
Sample File    : L:\DATA\TCHROM\PEST\METHODS\DIESELTT.smp
Sequence File  : <none>

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

================================================================================
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Ht = 885.87 88% Rec

CONTIN. CAL.

Area/Concentration Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	DIESEL AMT. PPM	Component Name	Raw Amount
1	2.597	2079.16	482.32	BV	5.0000e5	0.4539	832.5864		0.0042
2	2.744	10179.34	2687.96	VB	5.0000e5	0.4539	832.5864		0.0204
3	3.103	2398773.25	679232.63	BE	5.0000e5	0.4539	832.5864		4.7976
4	3.758	30329.00	1405.85	EV	5.0000e5	0.4539	832.5864		0.0607
5	4.708	3329.03	705.71	VV	5.0000e5	0.4539	832.5864		0.0067
6	4.837	8725.88	2459.39	VB	5.0000e5	0.4539	832.5864		0.0175
7	5.090	2540011.50	809306.63	BV	5.0000e5	0.4539	832.5864		5.0800
8	5.544	41549.75	3191.75	VV	1970.0000	0.4539	832.5864	2-FLUOROBIPHENYL	21.0912
9	6.182	3032.44	666.00	VV	5.0000e5	0.4539	832.5864		0.0061
10	6.288	8016.30	1706.19	VV	5.0000e5	0.4539	832.5864		0.0160
11	6.414	13544.00	4129.26	VV	5.0000e5	0.4539	832.5864		0.0271
12	6.620	2670118.00	889832.75	VE	4.9999e5	0.4539	832.5864		5.3402
13	7.298	9198.00	645.43	EV	5.0000e5	0.4539	832.5864		0.0184
14	7.633	3549.41	751.51	VV	5.0000e5	0.4539	832.5864		0.0071
15	7.756	7652.38	2752.12	VB	5.0000e5	0.4539	832.5864		0.0153
16	7.937	2708572.00	966751.94	BV	1970.0000	0.4539	832.5864	Total Petroleum Hydr	1374.9097
17	8.477	14209.44	1283.48	VV	5.0000e5	0.4539	832.5864		0.0284
18	8.951	3403.66	1348.53	VB	1970.0000	0.4539	832.5864	o-Terphenyl	1.7277
19	9.113	2665464.75	981601.44	BV	5.0000e5	0.4539	832.5864		5.3309
20	9.547	19905.38	1791.98	VV	5.0000e5	0.4539	832.5864		0.0398
21	9.921	3278.78	672.57	VV	5.0000e5	0.4539	832.5864		0.0066
22	10.032	15133.19	5867.20	VV	5.0000e5	0.4539	832.5864		0.0303
23	10.177	2340792.25	857484.31	VE	5.0000e5	0.4539	832.5864		4.6816
24	10.678	3824.00	636.13	EV	5.0000e5	0.4539	832.5864		0.0077
25	10.870	3944.53	874.49	VB	5.0000e5	0.4539	832.5864		0.0079
26	11.019	1265.00	543.29	BB	5.0000e5	0.4539	832.5864		0.0025
27	11.149	1166127.00	427555.41	BB	5.0000e5	0.4539	832.5864		2.3323
28	12.046	687084.00	242344.50	BE	5.0000e5	0.4539	832.5864		1.3742
29	12.464	404.00	89.98	EB	5.0000e5	0.4539	832.5864		0.0008
30	12.769	1390.50	573.86	BB	5.0000e5	0.4539	832.5864		0.0028
31	12.874	591877.00	183165.09	BB	5.0000e5	0.4539	832.5864		1.1838
32	13.672	368203.00	111759.57	BB	4.9999e5	0.4539	832.5864		0.7364
		18344968.00	6.18e6			14.5232	26642.7559		1428.9119

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================================================================================
 END
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```
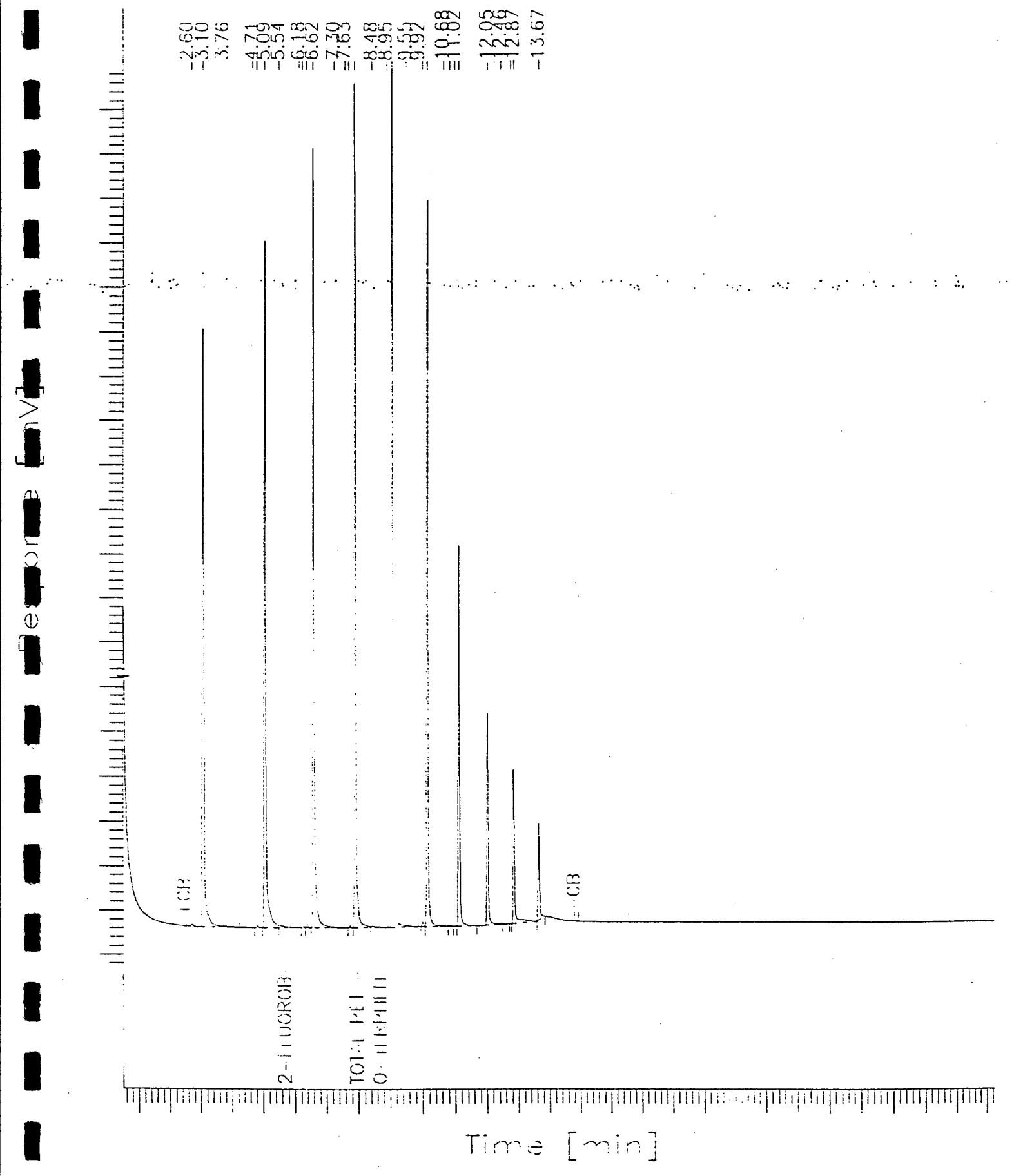

Chromatogram

Sample Name : 1000_PPM
FileName : L:\DATA\TCHROM\PEST\HP_T\TT__007.raw
Method : DIESELT.ins
Start Time : 0.50 min End Time : 28.25 min
Scale Factor: 1 Plot Offset: -17 mV

Sample #: TC ;W Page 1 of 1
Date : 8/29/95 09:46 AM
Time of Injection: 8/28/95 07:06 PM
Low Point : -17.17 mV High Point : 994.31 mV
Plot Scale: 1012 mV



Software Version: 3.2 <16C20>
Sample Name : 9508720-01B Time : 08/26/95 02:30
Sample Number: SC ;W;1 Study : GROW;1;PQL
Operator : RR

Instrument : HP_U Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 4153271317 Data Acquisition Time: 08/26/95 02:09
Delay Time : 0.00 min.
End Time : 21.20 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : l:\data\tchrom\btex\hp_u\UU__679.raw
Result File : l:\data\tchrom\btex\hp_u\UU__679.rst
Instrument File: L:\DATA\TCHROM\BTEX\METHODS\BTEXU.ins
Process File : L:\DATA\TCHROM\BTEX\METHODS\PURFIDU.prc
Sample File : L:\DATA\TCHROM\BTEX\METHODS\UWG08215.smp
Sequence File : L:\DATA\TCHROM\BTEX\METHODS\BTEXU.seq

Inj. Volume : 2 ul Area Reject : 100.00
Sample Amount : 1.0000 Dilution Factor : 1.00

ND

PURFID Area Percent Report

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.399	5207.00	461.77	BB	1.0000e6	1.8951	0.2821		0.0052	0.2821
2	4.249	374911.97	50195.93	BV	4050.4106	1.8951	0.2821	1,4-DIFLUOROBENZENE	92.5615	0.2821
3	4.790	991149.00	98584.76	VB	----------	1.8951	0.2821	TFT	0.0000	0.2821
4	14.141	117095.00	37821.67	BB	1561.5370	1.8951	0.2821	4-BROMOFLUOROBENZENE	74.9870	0.2821
		1488363.00	187064.13			7.5804	1.1282		167.5537	1.1282

Group Report For :

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
1	3.885	0.00	0.00	VV	----------	1.8951	0.0000	Benzene	0.0000	0.0000
4	6.894	0.00	0.00	VV	----------	1.8951	0.0000	Toluene	0.0000	0.0000
5	10.870	0.00	0.00	VV	----------	1.8951	0.0000	Ethyl_Benzene	0.0000	0.0000
6	11.141	0.00	0.00	VV	----------	1.8951	0.0000	m - Xylene	0.0000	0.0000
7	12.733	0.00	0.00	VV	----------	1.8951	0.0000	o-Xylene	0.0000	0.0000
		0.00	0.00			9.4755	0.0000		0.0000	0.0000

Group Report For : SURROGATE

Peak #	Ret Time [min]	Area [uV-sec]	Height [uV]	BL	Area/ Amount	RF VALUE	PURFID AMT. PPM	Component Name	RAW AMT PPB	RAW AMT. PURFID PPM
2	4.249	374911.97	50195.93	BV	4050.4106	1.8951	0.2811	1,4-DIFLUOROBENZENE	92.5615	0.2811
3	4.790	991149.00	98584.76	VB	----------	1.8951	0.2811	TFT	0.0000	0.2811
8	14.141	117095.00	37821.67	BB	1561.5370	1.8951	0.2811	4-BROMOFLUOROBENZENE	74.9870	0.2811
		1483156.00	186602.36			5.6853	0.8432		167.5485	0.8432

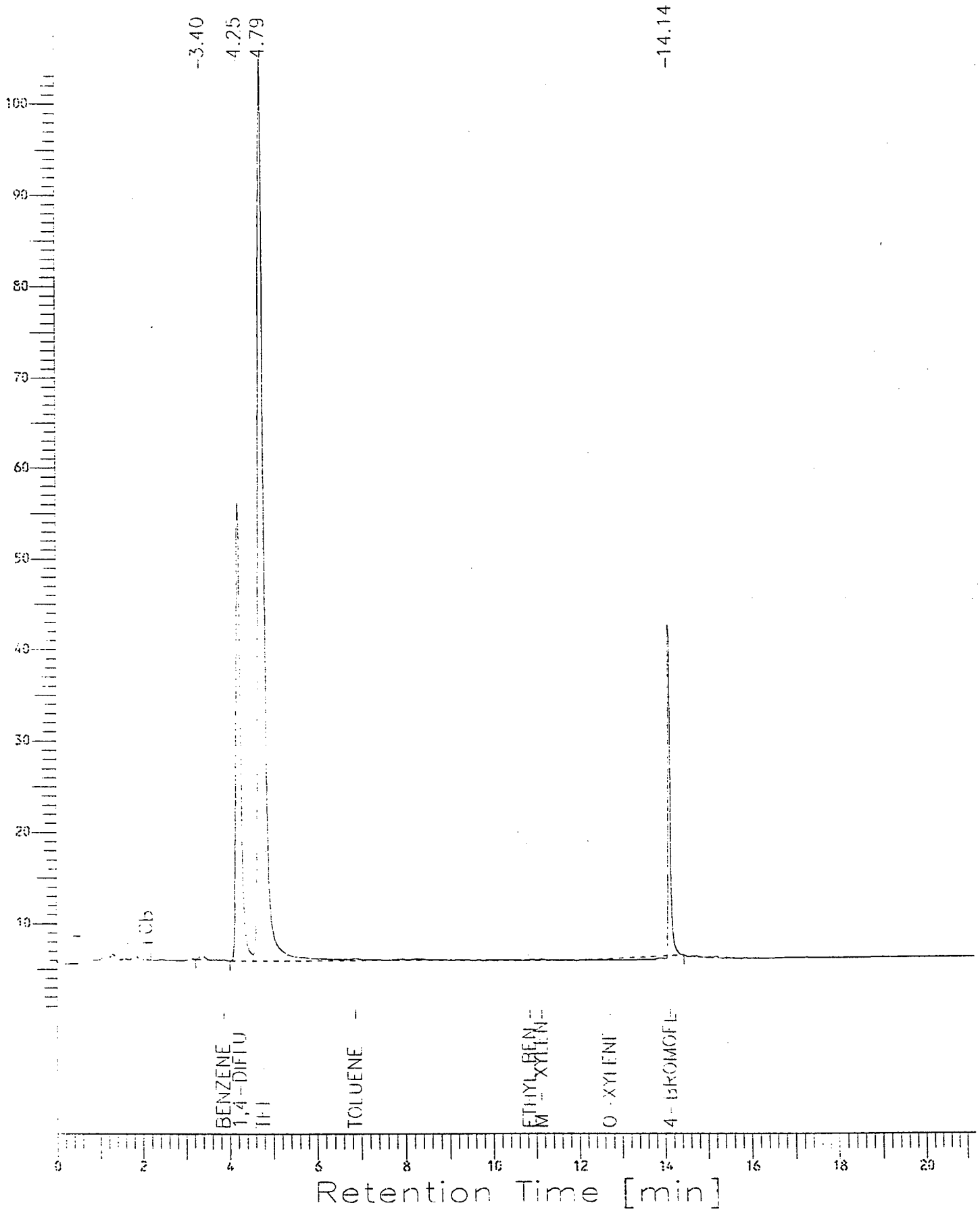
END

Report Stored in ASCII File: l:\data\tchrom\btex\hp_u\UU__679.TXO

Chromatogram

Sample Name : 9508720-01B
FileName : l:\data\tchrom\btex\hp_u\UU__679.raw
Method : BTEXU.ins
Start Time : 0.00 min End Time : 21.20 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: SC ;W;1 Page 1 of 1
Date : 08/26/95 02:30
Time of Injection: 08/26/95 02:09
Low Point : 0.69 mV High Point : 103.90 mV
Plot Scale: 103 mV



File: 082595B.

Method: 1995_3PT Standard: BLK

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0002	.0105	-.0021	-.0001	-.0001	.1799	.0001
SDev	.0002	.0007	.0010	.0002	.0000	.0012	.0001
%RSD	143.1	6.407	49.49	187.9	38.04	.6723	191.3
#1	.0005	.0095	-.0017	.0000	-.0001	.1800	.0001
#2	.0001	.0112	-.0021	-.0001	-.0002	.1808	-.0001
#3	-.0001	.0106	-.0029	-.0004	-.0001	.1784	.0001
#4	.0000	.0103	-.0032	-.0004	-.0001	.1791	.0000
#5	.0004	.0110	-.0006	.0002	-.0001	.1814	.0002

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.0001	.0005	.0010	.0003	-.0195	-.0002	.0005
SDev	.0005	.0001	.0002	.0001	.0078	.0002	.0001
%RSD	860.2	31.87	21.97	39.71	40.11	93.65	27.80
#1	.0003	.0007	.0010	.0004	-.0122	-.0002	.0005
#2	-.0002	.0003	.0009	.0002	-.0207	-.0002	.0005
#3	-.0004	.0005	.0007	.0002	-.0263	-.0004	.0006
#4	-.0003	.0004	.0009	.0002	-.0278	-.0003	.0004
#5	.0009	.0006	.0012	.0004	-.0107	.0001	.0008

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	-.0123	.0015	.0016	.0002	-.0041	.0141	.0000
SDev	.0003	.0004	.0003	.0001	.0016	.0004	.0002
%RSD	2.338	27.97	21.85	34.87	39.38	2.859	505.2
#1	-.0119	.0020	.0016	.0002	-.0049	.0141	.0000
#2	-.0127	.0012	.0019	.0004	-.0043	.0146	.0000
#3	-.0125	.0011	.0013	.0003	-.0058	.0136	-.0001
#4	-.0122	.0013	.0012	.0002	-.0038	.0143	-.0001
#5	-.0123	.0020	.0020	.0002	-.0015	.0138	.0004

Elem	Zn2138
Avge	.0037
SDev	.0002
%RSD	5.504
#1	.0038
#2	.0038
#3	.0034
#4	.0036
#5	.0040

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10642	--	--	--	--	--	--
SDev	117.7053	--	--	--	--	--	--
%RSD	1.105995	--	--	--	--	--	--
#1	10633	--	--	--	--	--	--
#2	10538	--	--	--	--	--	--
#3	10739	--	--	--	--	--	--

#4	10784	--	--	--	--	--	--
#5	10519	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. A

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0372	.0730	.1792	.5417	.3025	.5870	.0905
SDev	.0002	.0002	.0016	.0006	.0004	.0010	.0006
%RSD	.5607	.2904	.9140	.1143	.1211	.1725	.6606
#1	.0373	.0729	.1782	.5424	.3031	.5874	.0900
#2	.0373	.0728	.1778	.5419	.3021	.5878	.0903
#3	.0372	.0728	.1803	.5420	.3023	.5861	.0903
#4	.0373	.0730	.1782	.5409	.3026	.5858	.0904
#5	.0368	.0733	.1816	.5413	.3024	.5881	.0915

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.3765	.1576	.1986	.1990	.1350	.0336	.4050
SDev	.0006	.0007	.0002	.0005	.0041	.0003	.0006
%RSD	.1704	.4227	.1208	.2425	3.048	.9277	.1552
#1	.3769	.1569	.1987	.1986	.1368	.0337	.4053
#2	.3770	.1572	.1983	.1987	.1380	.0340	.4053
#3	.3758	.1578	.1990	.1986	.1381	.0336	.4052
#4	.3758	.1574	.1986	.1995	.1339	.0332	.4039
#5	.3771	.1587	.1985	.1995	.1283	.0337	.4052

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.0629	.1666	.0427	.0483	.1430	.0914	.1389
SDev	.0003	.0013	.0005	.0009	.0018	.0011	.0002
%RSD	.3996	.7892	1.163	1.962	1.264	1.195	.1250
#1	.0629	.1662	.0419	.0467	.1411	.0896	.1389
#2	.0628	.1660	.0425	.0491	.1438	.0926	.1389
#3	.0630	.1666	.0430	.0489	.1411	.0919	.1388
#4	.0631	.1655	.0430	.0485	.1444	.0913	.1386
#5	.0624	.1689	.0430	.0484	.1448	.0914	.1391

Elem	Zn2138
Avge	.2674
SDev	.0004
%RSD	.1384
#1	.2673
#2	.2670
#3	.2672
#4	.2676
#5	.2680

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10526	--	--	--	--	--	--
SDev	30.48097	--	--	--	--	--	--

%RSD	.2895702	--	--	--	--	--	--
#1	10532	--	--	--	--	--	--
#2	10553	--	--	--	--	--	--
#3	10545	--	--	--	--	--	--
#4	10526	--	--	--	--	--	--
#5	10475	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. B

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.0919	.1676	.4505	1.363	.7565	1.182	.2259
SDev	.0005	.0006	.0054	.003	.0015	.009	.0019
%RSD	.4967	.3779	1.205	.2554	.2028	.7691	.8294
#1	.0922	.1677	.4555	1.364	.7556	1.184	.2254
#2	.0923	.1684	.4499	1.358	.7582	1.192	.2287
#3	.0918	.1678	.4512	1.364	.7563	1.178	.2256
#4	.0922	.1670	.4541	1.360	.7580	1.186	.2261
#5	.0912	.1668	.4416	1.367	.7546	1.168	.2235

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	.9381	.3911	.4956	.4946	.3493	.0839	1.004
SDev	.0053	.0018	.0007	.0019	.0079	.0005	.005
%RSD	.5687	.4704	.1335	.3814	2.271	.5961	.4785
#1	.9397	.3913	.4953	.4942	.3570	.0837	1.006
#2	.9448	.3934	.4947	.4977	.3516	.0844	1.010
#3	.9349	.3900	.4956	.4940	.3525	.0834	1.000
#4	.9403	.3922	.4957	.4947	.3494	.0844	1.005
#5	.9309	.3887	.4965	.4925	.3360	.0834	.9973

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.1744	.4131	.1027	.1203	.3603	.2058	.3479
SDev	.0002	.0034	.0013	.0005	.0025	.0028	.0012
%RSD	.1315	.8212	1.258	.4196	.6957	1.366	.3370
#1	.1747	.4158	.1040	.1199	.3599	.2016	.3484
#2	.1742	.4096	.1039	.1211	.3595	.2083	.3491
#3	.1746	.4095	.1013	.1200	.3629	.2066	.3476
#4	.1741	.4166	.1029	.1201	.3625	.2081	.3484
#5	.1744	.4141	.1015	.1206	.3568	.2044	.3461

Elem	Zn2138
Avge	.6602
SDev	.0046
%RSD	.6961
#1	.6610
#2	.6659
#3	.6569
#4	.6627
#5	.6543

IntStd	1	2	3	4	5	6	7

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10614	--	--	--	--	--	--
SDev	117.8127	--	--	--	--	--	--
%RSD	1.109945	--	--	--	--	--	--
#1	10641	--	--	--	--	--	--
#2	10463	--	--	--	--	--	--
#3	10695	--	--	--	--	--	--
#4	10526	--	--	--	--	--	--
#5	10747	--	--	--	--	--	--

Method: 1995_3PT Standard: STD. C

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Avge	.1824	.3232	.9022	2.712	1.493	2.167	.4468
SDev	.0008	.0009	.0076	.008	.002	.020	.0038
%RSD	.4608	.2910	.8391	.2922	.1258	.9245	.8593
#1	.1829	.3234	.8992	2.713	1.495	2.182	.4483
#2	.1831	.3216	.9099	2.703	1.490	2.181	.4498
#3	.1828	.3242	.9090	2.705	1.494	2.183	.4503
#4	.1819	.3236	.9011	2.719	1.494	2.151	.4434
#5	.1811	.3232	.8916	2.720	1.493	2.141	.4420

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Avge	1.855	.7732	.9780	.9818	.7135	.1667	1.977
SDev	.012	.0043	.0024	.0040	.0049	.0002	.012
%RSD	.6463	.5509	.2488	.4033	.6804	.1063	.6212
#1	1.864	.7756	.9791	.9831	.7058	.1668	1.988
#2	1.860	.7771	.9750	.9851	.7179	.1669	1.985
#3	1.864	.7762	.9759	.9854	.7166	.1665	1.985
#4	1.846	.7692	.9805	.9782	.7154	.1667	1.968
#5	1.838	.7680	.9796	.9769	.7117	.1665	1.960

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Avge	.3607	.8140	.2021	.2408	.7247	.3954	.6910
SDev	.0014	.0043	.0022	.0015	.0046	.0036	.0022
%RSD	.3772	.5328	1.107	.6267	.6315	.9028	.3216
#1	.3601	.8179	.2048	.2402	.7264	.3944	.6922
#2	.3604	.8165	.2030	.2421	.7212	.3932	.6925
#3	.3590	.8169	.2029	.2414	.7319	.4017	.6931
#4	.3623	.8095	.2008	.2416	.7212	.3943	.6894
#5	.3618	.8090	.1990	.2384	.7226	.3932	.6880

Elem	Zn2138
Avge	1.300
SDev	.011
%RSD	.8614
#1	1.308
#2	1.309
#3	1.306

#4	1.291						
#5	1.284						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10623	--	--	--	--	--	--
SDev	130.1961	--	--	--	--	--	--
%RSD	1.225633	--	--	--	--	--	--
#1	10537	--	--	--	--	--	--
#2	10540	--	--	--	--	--	--
#3	10517	--	--	--	--	--	--
#4	10714	--	--	--	--	--	--
#5	10807	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICV_0825 Operator: DQ
Run Time: 08/25/95 08:34:27
Comment: CALIBRATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9793	4.909	4.970	4.895	4.930	4.943	4.911
SDev	.0057	.027	.043	.012	.011	.035	.037
%RSD	.5823	.5434	.8588	.2356	.2188	.7026	.7577
#1	.9735	4.902	4.983	4.911	4.926	4.911	4.888
#2	.9736	4.890	4.955	4.900	4.928	4.915	4.893
#3	.9798	4.881	4.992	4.894	4.918	4.928	4.873
#4	.9855	4.946	4.905	4.883	4.929	4.984	4.947
#5	.9843	4.927	5.016	4.885	4.947	4.977	4.956
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.934	4.931	4.887	4.930	Q23.69	4.889	4.878
SDev	.021	.026	.009	.017	.40	.033	.020
%RSD	.4326	.5300	.1872	.3403	1.669	.6762	.4033
#1	4.916	4.903	4.898	4.913	Q23.48	4.852	4.863
#2	4.914	4.918	4.895	4.924	Q23.24	4.866	4.860
#3	4.927	4.917	4.883	4.918	23.78	4.882	4.867
#4	4.955	4.966	4.877	4.950	Q23.65	4.920	4.901
#5	4.959	4.949	4.880	4.947	24.30	4.927	4.898
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	4.886	4.930	4.918	4.925	4.903	4.959	4.918
SDev	.025	.035	.018	.047	.040	.054	.009
%RSD	.5028	.7010	.3593	.9501	.8085	1.079	.1908
#1	4.897	4.895	4.894	4.882	4.922	4.887	4.905
#2	4.886	4.914	4.920	4.911	4.891	4.926	4.913
#3	4.918	4.929	4.910	4.910	4.937	4.981	4.916
#4	4.851	4.987	4.923	4.915	4.839	5.025	4.929
#5	4.880	4.925	4.942	5.005	4.924	4.974	4.925
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Zn2138
Units	ppm
Avge	4.933
SDev	.030
%RSD	.6055
#1	4.901
#2	4.920
#3	4.915
#4	4.968
#5	4.962
Errors	QC Pass
Value	5.000
Range	5.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10799	--	--	--	--	--	--
SDev	131.4442	--	--	--	--	--	--
%RSD	1.217143	--	--	--	--	--	--
#1	10944	--	--	--	--	--	--
#2	10888	--	--	--	--	--	--
#3	10840	--	--	--	--	--	--
#4	10634	--	--	--	--	--	--
#5	10691	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICB_0825 Operator: DQ
Run Time: 08/25/95 08:38:31
Comment: CALIBRATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	-.0009	-.0039	.0015	.0008	.0031	.0024
SDev	.0006	.0071	.0198	.0006	.0007	.0080	.0018
%RSD	21.78	788.7	502.4	38.80	86.35	260.5	72.18
#1	.0033	-.0044	-.0093	.0019	.0007	-.0030	.0029

#2	.0022	.0020	.0012	.0008	.0007	.0025	.0049
#3	.0022	-.0092	.0195	.0012	.0000	-.0064	.0007
#4	.0023	.0097	-.0342	.0012	.0007	.0119	.0029
#5	.0032	-.0026	.0031	.0022	.0019	.0104	.0007

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0021	.0024	.0022	.5775	.0232	.0010
SDev	.0026	.0016	.0007	.0026	.1301	.0144	.0006
%RSD	214.6	77.11	30.08	116.9	22.53	61.87	68.50

#1	.0036	.0023	.0026	.0011	.6542	.0110	.0005
#2	-.0024	.0011	.0026	.0010	.3711	.0389	.0005
#3	.0021	.0010	.0034	.0010	.7135	.0387	.0014
#4	.0031	.0012	.0018	.0011	.5552	.0110	.0005
#5	-.0004	.0047	.0016	.0068	.5937	.0166	.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0533	.0038	.0118	.0202	-.0011	.0278	.0016
SDev	.0147	.0069	.0090	.0143	.0188	.0085	.0018
%RSD	27.55	181.8	76.38	70.91	1734.	30.60	114.5

#1	.0492	.0089	.0047	.0094	.0179	.0246	-.0006
#2	.0565	.0042	.0087	.0287	.0002	.0214	.0008
#3	.0732	.0029	.0265	.0246	.0095	.0359	.0034
#4	.0324	.0103	.0052	.0017	-.0317	.0193	.0008
#5	.0553	-.0072	.0137	.0367	-.0013	.0379	.0035

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0012
SDev	.0013
%RSD	105.2

#1	.0017
#2	-.0006
#3	.0020
#4	.0005
#5	.0023

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10632	--	--	--	--	--	--
SDev	82.21764	--	--	--	--	--	--
%RSD	.7732949	--	--	--	--	--	--
#1	10588	--	--	--	--	--	--
#2	10672	--	--	--	--	--	--
#3	10745	--	--	--	--	--	--
#4	10528	--	--	--	--	--	--
#5	10628	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSAI825 Operator: DQ
Run Time: 08/25/95 08:42:34
Comment: CALIBRATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0054	507.3	.1854	.0022	.0008	476.3	-.0026
SDev	.0007	1.0	.0902	.0013	.0003	3.7	.0045
%RSD	12.77	.1969	48.67	60.26	36.86	.7795	169.7
#1	-.0058	507.6	.1915	.0041	.0013	479.7	-.0013
#2	-.0047	506.9	.1922	.0005	.0007	479.2	-.0035
#3	-.0063	507.6	.2068	.0023	.0007	475.9	-.0100
#4	-.0054	505.9	.2936	.0026	.0007	476.2	.0008
#5	-.0048	508.6	.0429	.0016	.0007	470.4	.0008
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	-.0090	.0050	177.9	.3228	508.1	.0188
SDev	.0022	.0025	.0014	.9	.4654	1.3	.0005
%RSD	35.24	27.73	27.28	.5261	144.2	.2640	2.422
#1	.0070	-.0102	.0068	178.9	.3872	509.9	.0189
#2	.0064	-.0077	.0058	178.6	.2915	508.8	.0190
#3	.0037	-.0078	.0048	177.8	.5901	508.2	.0181
#4	.0048	-.0127	.0038	177.5	-.4376	506.6	.0193
#5	.0095	-.0065	.0036	176.6	.7827	507.0	.0188
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0429	.0105	.0106	-.0602	.0758	.2200	.0016
SDev	.0181	.0222	.0173	.0268	.0346	.0610	.0025
%RSD	42.13	211.5	163.0	44.45	45.68	27.74	162.4

#1	-.0514	.0282	.0313	-.0542	.0492	.3010	.0027
#2	-.0556	.0401	-.0038	-.0815	.0884	.2027	-.0001
#3	-.0362	-.0104	.0092	-.0579	.0704	.2549	.0055
#4	-.0570	-.0045	-.0084	-.0199	.1286	.2022	-.0001
#5	-.0141	-.0009	.0249	-.0874	.0424	.1393	-.0002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138
Units	ppm
Avge	.0145
SDev	.0014
%RSD	9.449
#1	.0153
#2	.0160
#3	.0132
#4	.0152
#5	.0129
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10224	--	--	--	--	--	--
SDev	73.40765	--	--	--	--	--	--
%RSD	.7179710	--	--	--	--	--	--
#1	10131	--	--	--	--	--	--
#2	10163	--	--	--	--	--	--
#3	10294	--	--	--	--	--	--
#4	10285	--	--	--	--	--	--
#5	10248	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSABI25 Operator: DQ
Run Time: 08/25/95 08:46:36
Comment: CALIBRATION
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9470	505.3	.1692	.4889	.4636	470.9	.9364
SDev	.0049	.8	.1231	.0014	.0006	4.1	.0121
%RSD	.5130	.1543	72.74	.2769	.1310	.8702	1.288
#1	.9507	505.4	.1082	.4899	.4637	470.3	.9380
#2	.9485	505.2	.2002	.4869	.4633	473.3	.9466
#3	.9504	506.5	.0972	.4903	.4640	472.2	.9365
#4	.9388	504.7	.3710	.4891	.4627	464.2	.9162

#5	.9464	504.5	.0692	.4882	.4643	474.6	.9446
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0		.5000	.5000	500.0	1.000
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4511	.4450	.4958	176.0	.2974	504.6	.4701
SDev	.0062	.0080	.0011	.9	.6493	2.1	.0018
%RSD	1.363	1.802	.2248	.4999	218.4	.4136	.3801
#1	.4569	.4522	.4959	175.9	1.027	505.3	.4709
#2	.4484	.4494	.4960	176.6	.5565	505.4	.4714
#3	.4483	.4437	.4943	176.3	.3658	506.2	.4699
#4	.4437	.4318	.4952	174.5	-.7427	501.0	.4671
#5	.4580	.4479	.4973	176.7	.2801	505.3	.4713
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0356	.8828	.9152	-.0438	.1161	.1946	.4663
SDev	.0125	.0210	.0281	.0230	.0459	.0492	.0056
%RSD	35.27	2.381	3.067	52.52	39.52	25.28	1.201
#1	-.0197	.9002	.9359	-.0156	.1483	.1167	.4682
#2	-.0255	.8914	.9439	-.0637	.0593	.2469	.4707
#3	-.0386	.8624	.9167	-.0678	.1472	.2104	.4672
#4	-.0486	.8580	.8725	-.0253	.0731	.1825	.4565
#5	-.0454	.9018	.9070	-.0466	.1527	.2166	.4686
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		1.000	1.000				.5000
Range		20.00	20.00				20.00

Elem	Zn2138
Units	ppm
Avge	.9396
SDev	.0099
%RSD	1.054
#1	.9452
#2	.9450
#3	.9363
#4	.9237
#5	.9478
Errors	QC Pass
Value	1.000
Range	20.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10154	--	--	--	--	--	--
SDev	132.4547	--	--	--	--	--	--
%RSD	1.304463	--	--	--	--	--	--
#1	10121	--	--	--	--	--	--
#2	10099	--	--	--	--	--	--
#3	10113	--	--	--	--	--	--
#4	10386	--	--	--	--	--	--
#5	10051	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0822 Operator: DQ
Run Time: 08/25/95 08:51:52
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0231	-.0118	.0003	.0000	-.0007	.0025
SDev	.0024	.0171	.0179	.0008	.0000	.0095	.0009
%RSD	145.3	73.99	151.2	272.3	20.24	1381.	38.48
#1	.0012	.0427	-.0296	-.0005	.0000	.0139	.0029
#2	.0033	.0368	-.0030	.0005	.0000	-.0034	.0029
#3	.0044	.0240	.0061	.0009	.0000	-.0049	.0029
#4	.0012	.0038	-.0001	.0012	.0000	.0025	.0008
#5	-.0019	.0082	-.0325	-.0005	.0000	-.0115	.0028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0017	-.0001	.0051	.4566	.0179	.0001
SDev	.0027	.0011	.0021	.0065	.5557	.0123	.0003
%RSD	2655.	69.35	1520.	125.8	121.7	68.62	699.0
#1	.0011	.0011	-.0021	.0164	.2514	.0167	.0000
#2	-.0009	.0024	-.0001	.0011	.6838	.0338	.0001
#3	.0032	.0025	.0029	.0041	H1.131	.0225	.0006
#4	.0011	.0024	.0008	.0030	.5802	.0167	-.0004
#5	-.0039	-.0001	-.0022	.0010	-.3630	-.0002	.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0899	-.0055	.0054	.0057	-.0006	.0085	.0008
SDev	.0078	.0064	.0072	.0145	.0090	.0112	.0022
%RSD	8.711	116.7	134.1	252.7	1442.	131.9	271.4
#1	.0834	.0010	-.0043	-.0022	.0047	-.0111	-.0006

#2	.0890	-.0117	.0058	.0057	-.0010	.0147	.0008
#3	.0976	-.0058	.0159	.0178	.0052	.0149	.0036
#4	.0983	.0010	.0052	.0214	-.0162	.0145	.0022
#5	.0814	-.0118	.0041	-.0140	.0040	.0094	-.0019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0023
SDev	.0014
%RSD	61.77
#1	.0033
#2	.0036
#3	.0024
#4	.0019
#5	.0001
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10510	--	--	--	--	--	--
SDev	108.7920	--	--	--	--	--	--
%RSD	1.035140	--	--	--	--	--	--
#1	10539	--	--	--	--	--	--
#2	10447	--	--	--	--	--	--
#3	10375	--	--	--	--	--	--
#4	10522	--	--	--	--	--	--
#5	10666	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW0822 Operator: DQ
Run Time: 08/25/95 09:00:53
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

ABORTED, REPEATED

SAMPLE NOT SPIKED

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0010	L.0181	L-.0053	L.0005	L-.0001	L-.0058	L.0016
SDev	.0024	.0094	.0126	.0003	.0003	.0064	.0019
%RSD	230.3	51.95	236.9	69.96	301.4	110.7	117.7
#1	L.0033	L.0286	L-.0095	L.0009	L.0000	L-.0067	L.0029
#2	L.0023	L.0241	L-.0065	L.0001	L.0000	L.0035	L-.0013
#3	L-.0029	L.0203	L-.0048	L.0002	L-.0006	L-.0134	L.0007
#4	L.0012	L.0121	L-.0203	L.0008	L.0000	L-.0031	L.0028
#5	L.0012	L.0053	L.0145	L.0005	L.0000	L-.0091	L.0029

Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0000	L.0009	L.0000	L.0021	L.4014	L.0146	L-.0001
SDev	.0017	.0010	.0015	.0031	.5519	.0224	.0007
%RSD	14570.	114.5	5792.	148.3	137.5	153.7	523.1
#1	L.0027	L.0025	L.0019	L.0031	L1.048	L.0339	L.0001
#2	L-.0009	L.0000	L-.0000	L.0041	L.4988	L.0282	L.0006
#3	L-.0014	L-.0001	L-.0022	L-.0028	L-.4452	L-.0225	L-.0009
#4	L-.0009	L.0011	L-.0003	L.0010	L.6385	L.0222	L-.0009
#5	L.0006	L.0011	L.0008	L.0049	L.2672	L.0110	L.0005

Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0833	L-.0004	L.0034	L.0064	L.0089	L-.0022	L.0011
SDev	.0134	.0063	.0160	.0080	.0153	.0107	.0018
%RSD	16.06	1605.	466.7	125.0	171.9	487.1	169.4
#1	L.1011	L-.0058	L.0155	L.0058	L-.0051	L.0082	L.0036
#2	L.0769	L.0048	L.0207	L.0059	L.0329	L.0074	L-.0006
#3	L.0687	L-.0038	L-.0051	L-.0063	L.0040	L-.0175	L-.0006
#4	L.0933	L-.0049	L-.0189	L.0132	L.0142	L-.0070	L.0021
#5	L.0766	L.0078	L.0049	L.0134	L-.0016	L-.0021	L.0008

Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	L.0095
SDev	.0015
%RSD	16.20
#1	L.0096
#2	L.0112
#3	L.0073
#4	L.0088
#5	L.0105

Errors	LC Low
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	10532	--	--	--	--	--	--
SDev	130.3512	--	--	--	--	--	--
%RSD	1.237650	--	--	--	--	--	--
#1	10419	--	--	--	--	--	--
#2	10372	--	--	--	--	--	--
#3	10661	--	--	--	--	--	--
#4	10639	--	--	--	--	--	--
#5	10570	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-1 Operator: DQ
Run Time: 08/25/95 09:04:57
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.1402	.0601	.0074	.0036	.0867	.0113
SDev	.0013	.0220	.0173	.0006	.0006	.0104	.0026
%RSD	20.02	15.68	28.82	8.194	16.49	11.95	22.90
#1	.0070	.1311	.0574	.0076	.0047	.0715	.0122
#2	.0058	.1063	.0830	.0064	.0033	.0841	.0120
#3	.0048	.1473	.0623	.0077	.0034	.0959	.0077
#4	.0060	.1567	.0345	.0073	.0034	.0970	.0147
#5	.0081	.1597	.0635	.0080	.0034	.0853	.0100

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	.0124	.0113	.0170	1.498	.0911	.0033
SDev	.0014	.0023	.0009	.0011	.191	.0146	.0004
%RSD	14.36	18.58	8.090	6.363	12.78	16.05	11.11
#1	.0115	.0147	.0129	.0178	1.726	.1138	.0033
#2	.0092	.0119	.0106	.0176	1.291	.0767	.0032
#3	.0105	.0148	.0110	.0159	1.476	.0841	.0039
#4	.0078	.0097	.0111	.0181	1.339	.0967	.0034
#5	.0105	.0109	.0109	.0158	1.660	.0840	.0028

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1525	.0193	.0454	.0600	.0962	.1199	.0112
SDev	.0129	.0073	.0151	.0116	.0322	.0152	.0001
%RSD	8.434	37.70	33.32	19.41	33.49	12.63	.9654
#1	.1665	.0271	.0661	.0741	.1331	.1181	.0111
#2	.1604	.0192	.0248	.0440	.1034	.0992	.0110
#3	.1408	.0249	.0419	.0662	.0497	.1375	.0112
#4	.1370	.0089	.0426	.0624	.1144	.1134	.0113
#5	.1575	.0162	.0518	.0534	.0804	.1314	.0112

Elem	Zn2138
Units	ppm
Avge	.0382
SDev	.0013
%RSD	3.518

#1	.0374
#2	.0389
#3	.0379
#4	.0367
#5	.0401

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9819	--	--	--	--	--	--
SDev	90.60918	--	--	--	--	--	--
%RSD	.9227606	--	--	--	--	--	--
#1	9844	--	--	--	--	--	--
#2	9962	--	--	--	--	--	--
#3	9778	--	--	--	--	--	--
#4	9722	--	--	--	--	--	--
#5	9792	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-2 Operator: DQ
Run Time: 08/25/95 09:09:00
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.1324	.0553	.0040	.0033	.0733	.0095
SDev	.0020	.0104	.0123	.0004	.0000	.0042	.0016
%RSD	36.04	7.856	22.24	9.856	.4792	5.788	16.80
#1	.0078	.1246	.0478	.0045	.0033	.0682	.0118
#2	.0034	.1292	.0550	.0037	.0033	.0795	.0095
#3	.0067	.1367	.0691	.0037	.0033	.0728	.0095
#4	.0066	.1232	.0654	.0044	.0032	.0711	.0073
#5	.0034	.1485	.0393	.0037	.0033	.0748	.0095

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0088	.0104	.0103	.0119	1.402	.0926	.0030
SDev	.0013	.0010	.0014	.0018	.374	.0236	.0002
%RSD	14.74	9.857	13.98	15.03	26.64	25.50	8.205
#1	.0096	.0103	.0102	.0132	1.470	.1110	.0031
#2	.0085	.0089	.0081	.0091	1.069	.0692	.0031
#3	.0106	.0114	.0111	.0131	1.541	.0927	.0031
#4	.0074	.0113	.0119	.0130	1.922	.1209	.0025
#5	.0079	.0102	.0101	.0111	1.010	.0693	.0031

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2374	.0185	.0445	.0540	.0752	.0903	.0110
SDev	.0167	.0063	.0157	.0101	.0216	.0147	.0012
%RSD	7.017	34.19	35.36	18.76	28.79	16.23	10.58

#1	.2502	.0223	.0524	.0472	.1039	.0892	.0108
#2	.2093	.0218	.0317	.0506	.0647	.0767	.0093
#3	.2456	.0112	.0659	.0711	.0875	.0985	.0121
#4	.2464	.0251	.0454	.0463	.0726	.0764	.0120
#5	.2353	.0123	.0270	.0548	.0473	.1107	.0107

Elem	Zn2138
Units	ppm
Avge	.0473
SDev	.0009
%RSD	2.010

#1	.0484
#2	.0476
#3	.0478
#4	.0464
#5	.0462

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10211	--	--	--	--	--	--
SDev	61.32264	--	--	--	--	--	--
%RSD	.6005570	--	--	--	--	--	--
#1	10120	--	--	--	--	--	--
#2	10228	--	--	--	--	--	--
#3	10201	--	--	--	--	--	--
#4	10291	--	--	--	--	--	--
#5	10215	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-3 Operator: DQ
Run Time: 08/25/95 09:13:03
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.1304	.0541	.0036	.0034	.0709	.0103
SDev	.0020	.0212	.0158	.0009	.0003	.0066	.0012
%RSD	44.57	16.27	29.15	24.64	9.425	9.351	11.66
#1	.0067	.1665	.0503	.0048	.0039	.0751	.0118
#2	.0034	.1317	.0357	.0030	.0032	.0688	.0094
#3	.0023	.1138	.0460	.0026	.0032	.0671	.0094
#4	.0034	.1198	.0770	.0034	.0032	.0800	.0094
#5	.0064	.1202	.0614	.0040	.0032	.0634	.0114

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	.0095	.0094	.0133	.8732	.0733	.0027
SDev	.0026	.0020	.0017	.0017	.6537	.0353	.0003
%RSD	31.14	21.47	17.97	12.56	74.87	48.17	10.28
#1	.0101	.0128	.0112	.0151	1.759	.1164	.0031

#2	.0073	.0074	.0088	.0128	.7183	.0340	.0025
#3	.0042	.0099	.0068	.0109	.1499	.0397	.0025
#4	.0105	.0088	.0099	.0130	.4346	.0861	.0025
#5	.0092	.0085	.0105	.0146	1.305	.0904	.0029

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1594	.0110	.0267	.0628	.0821	.0995	.0095
SDev	.0197	.0057	.0059	.0118	.0256	.0267	.0024
%RSD	12.39	51.98	21.91	18.84	31.23	26.88	25.32
#1	.1796	.0101	.0324	.0592	.0809	.1258	.0136
#2	.1440	.0083	.0301	.0777	.0461	.0982	.0091
#3	.1412	.0060	.0303	.0459	.1107	.0734	.0078
#4	.1504	.0097	.0214	.0623	.1018	.1272	.0078
#5	.1818	.0208	.0195	.0688	.0709	.0727	.0090

Elem	Zn2138
Units	ppm
Avge	.0405
SDev	.0020
%RSD	4.877
#1	.0421
#2	.0377
#3	.0422
#4	.0412
#5	.0391

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10341	--	--	--	--	--	--
SDev	120.9671	--	--	--	--	--	--
%RSD	1.169795	--	--	--	--	--	--
#1	10167	--	--	--	--	--	--
#2	10377	--	--	--	--	--	--
#3	10365	--	--	--	--	--	--
#4	10298	--	--	--	--	--	--
#5	10498	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-4 Operator: DQ
Run Time: 08/25/95 09:17:07
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.1317	.0609	.0033	.0033	.0688	.0123
SDev	.0020	.0112	.0097	.0004	.0003	.0082	.0013
%RSD	43.18	8.514	16.02	11.70	8.418	11.85	10.75
#1	.0033	.1291	.0503	.0037	.0038	.0620	.0136
#2	.0033	.1176	.0612	.0029	.0032	.0583	.0113

#3	.0033	.1256	.0645	.0030	.0032	.0729	.0113
#4	.0055	.1428	.0749	.0034	.0032	.0764	.0116
#5	.0078	.1434	.0534	.0038	.0033	.0747	.0140

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.0114	.0105	.0118	1.211	.0752	.0030
SDev	.0020	.0027	.0009	.0014	.286	.0162	.0007
%RSD	19.44	24.10	8.736	11.67	23.57	21.51	22.04
#1	.0073	.0110	.0116	.0108	.9459	.0680	.0030
#2	.0097	.0108	.0094	.0116	1.210	.0843	.0029
#3	.0118	.0073	.0105	.0117	.9485	.0506	.0020
#4	.0099	.0137	.0098	.0109	1.324	.0916	.0035
#5	.0122	.0141	.0112	.0142	1.628	.0816	.0036

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1448	.0139	.0310	.0656	.0861	.0898	.0111
SDev	.0127	.0052	.0110	.0080	.0141	.0210	.0023
%RSD	8.790	37.02	35.33	12.12	16.37	23.36	20.61
#1	.1374	.0164	.0248	.0534	.0763	.0653	.0105
#2	.1649	.0159	.0189	.0723	.0786	.0726	.0090
#3	.1312	.0057	.0287	.0687	.1060	.1171	.0090
#4	.1459	.0190	.0353	.0620	.0738	.0999	.0134
#5	.1446	.0126	.0475	.0717	.0958	.0942	.0137

Elem	Zn2138
Units	ppm
Avge	.0592
SDev	.0019
%RSD	3.133
#1	.0593
#2	.0575
#3	.0572
#4	.0609
#5	.0612

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10394	--	--	--	--	--	--
SDev	172.8062	--	--	--	--	--	--
%RSD	1.662563	--	--	--	--	--	--
#1	10436	--	--	--	--	--	--
#2	10559	--	--	--	--	--	--
#3	10513	--	--	--	--	--	--
#4	10337	--	--	--	--	--	--
#5	10124	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-5 Operator: DQ
Run Time: 08/25/95 09:21:19
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	.1295	.0672	.0038	.0031	.0784	.0114
SDev	.0018	.0136	.0173	.0011	.0003	.0132	.0026
%RSD	32.38	10.53	25.72	29.62	9.077	16.85	22.76
#1	.0054	.1319	.0503	.0030	.0032	.0623	.0157
#2	.0032	.1055	.0628	.0029	.0032	.0733	.0112
#3	.0065	.1374	.0904	.0051	.0026	.0803	.0115
#4	.0043	.1377	.0531	.0029	.0032	.0774	.0092
#5	.0077	.1350	.0796	.0048	.0033	.0986	.0095

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.0096	.0100	.0145	1.284	.0888	.0029
SDev	.0018	.0019	.0021	.0022	.569	.0294	.0007
%RSD	17.41	20.36	21.36	15.37	44.30	33.13	23.17
#1	.0073	.0074	.0087	.0137	.9653	.0794	.0029
#2	.0116	.0095	.0074	.0125	.7009	.0670	.0019
#3	.0104	.0087	.0107	.0167	1.807	.1027	.0030
#4	.0107	.0096	.0103	.0125	.9698	.0616	.0038
#5	.0116	.0126	.0130	.0170	1.978	.1331	.0031

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2738	.0174	.0332	.0635	.0828	.0816	.0116
SDev	.0073	.0038	.0109	.0115	.0232	.0222	.0017
%RSD	2.657	21.78	32.75	18.09	28.07	27.25	14.48
#1	.2706	.0152	.0436	.0455	.0475	.0826	.0105
#2	.2742	.0168	.0229	.0717	.0720	.0499	.0103
#3	.2857	.0130	.0253	.0697	.0935	.1128	.0133
#4	.2663	.0228	.0280	.0721	.1057	.0816	.0103
#5	.2720	.0194	.0461	.0587	.0954	.0813	.0135

Elem	Zn2138
Units	ppm
Avge	.0311
SDev	.0006
%RSD	2.079
#1	.0307
#2	.0304
#3	.0310
#4	.0321
#5	.0312

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	10456	--	--	--	--	--	--
SDev	158.2458	--	--	--	--	--	--
%RSD	1.513445	--	--	--	--	--	--
#1	10442	--	--	--	--	--	--
#2	10632	--	--	--	--	--	--
#3	10387	--	--	--	--	--	--
#4	10582	--	--	--	--	--	--
#5	10236	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-6 Operator: DQ
Run Time: 08/25/95 09:25:23
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0061	.1267	.0700	.0037	.0031	.0690	.0124
SDev	.0011	.0140	.0216	.0006	.0003	.0094	.0024
%RSD	18.82	11.08	30.83	15.04	9.642	13.67	19.80
#1	.0046	.1249	.0694	.0038	.0033	.0826	.0118
#2	.0054	.1067	.0823	.0040	.0026	.0560	.0114
#3	.0064	.1245	.0584	.0030	.0032	.0683	.0135
#4	.0065	.1317	.0419	.0044	.0032	.0678	.0093
#5	.0076	.1455	.0981	.0033	.0032	.0703	.0158

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	.0117	.0104	.0126	1.526	.0833	.0030
SDev	.0019	.0020	.0013	.0032	.366	.0200	.0003
%RSD	17.96	17.48	12.88	25.31	23.97	23.99	9.440
#1	.0091	.0103	.0103	.0092	1.080	.0640	.0026
#2	.0113	.0098	.0096	.0147	1.452	.0736	.0029
#3	.0088	.0122	.0086	.0098	1.337	.0735	.0029
#4	.0113	.0110	.0116	.0127	2.028	.0908	.0034
#5	.0135	.0149	.0118	.0168	1.731	.1146	.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2004	.0154	.0388	.0689	.0979	.0967	.0116
SDev	.0185	.0041	.0152	.0116	.0235	.0160	.0017
%RSD	9.207	26.90	39.07	16.87	24.02	16.56	14.90
#1	.1735	.0102	.0281	.0513	.1121	.1181	.0108
#2	.2221	.0116	.0198	.0770	.0658	.0945	.0104
#3	.1942	.0186	.0386	.0651	.0932	.0915	.0118
#4	.2118	.0175	.0531	.0811	.0907	.0749	.0146
#5	.2003	.0190	.0543	.0700	.1280	.1045	.0106

Elem	Zn2138
Units	ppm
Avge	.0347
SDev	.0012
%RSD	3.568

#1	.0349
#2	.0328
#3	.0342
#4	.0358
#5	.0357

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10367	--	--	--	--	--	--
SDev	149.5673	--	--	--	--	--	--
%RSD	1.442781	--	--	--	--	--	--
#1	10114	--	--	--	--	--	--
#2	10459	--	--	--	--	--	--
#3	10470	--	--	--	--	--	--
#4	10445	--	--	--	--	--	--
#5	10345	--	--	--	--	--	--

Method: 1995_3PT Sample Name: MDL000-7 Operator: DQ
Run Time: 08/25/95 09:29:26
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.1473	.0531	.0031	.0035	.0644	.0120
SDev	.0018	.0141	.0203	.0007	.0004	.0085	.0024
%RSD	47.69	9.585	38.31	22.66	10.52	13.23	20.07
#1	.0023	.1327	.0294	.0026	.0039	.0565	.0115
#2	.0067	.1503	.0554	.0034	.0039	.0756	.0118
#3	.0023	.1439	.0775	.0023	.0032	.0552	.0093
#4	.0045	.1698	.0670	.0030	.0032	.0678	.0159
#5	.0034	.1398	.0359	.0041	.0032	.0669	.0116

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	.0098	.0109	.0133	.9307	.0908	.0025
SDev	.0010	.0028	.0014	.0029	.5097	.0306	.0005
%RSD	12.14	28.97	12.53	22.03	54.77	33.70	19.82
#1	.0078	.0062	.0108	.0168	.5556	.0800	.0030
#2	.0101	.0140	.0121	.0131	1.423	.1338	.0026
#3	.0078	.0086	.0086	.0089	.2870	.0509	.0020
#4	.0079	.0100	.0109	.0130	.9668	.1036	.0030
#5	.0078	.0100	.0118	.0149	1.421	.0859	.0020

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1632	.0167	.0346	.0598	.0725	.0833	.0106
SDev	.0118	.0068	.0167	.0063	.0065	.0192	.0023
%RSD	7.237	40.37	48.29	10.45	8.964	23.03	21.58

#1	.1539	.0284	.0208	.0579	.0764	.0534	.0092
#2	.1719	.0148	.0614	.0591	.0687	.0943	.0122
#3	.1529	.0151	.0246	.0573	.0697	.1026	.0077
#4	.1580	.0145	.0406	.0704	.0819	.0765	.0134
#5	.1795	.0108	.0258	.0540	.0659	.0898	.0106

Elem	Zn2138
Units	ppm
Avge	.0475
SDev	.0009
%RSD	1.814

#1	.0467
#2	.0488
#3	.0468
#4	.0479
#5	.0476

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10321	--	--	--	--	--	--
SDev	98.81851	--	--	--	--	--	--
%RSD	.9574657	--	--	--	--	--	--
#1	10354	--	--	--	--	--	--
#2	10177	--	--	--	--	--	--
#3	10447	--	--	--	--	--	--
#4	10290	--	--	--	--	--	--
#5	10336	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV10825 Operator: DQ
Run Time: 08/25/95 09:33:30
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9731	4.886	4.861	4.887	4.915	4.864	4.870
SDev	.0057	.038	.075	.018	.008	.052	.049
%RSD	.5869	.7709	1.544	.3688	.1626	1.063	.9999
#1	.9703	4.838	4.887	4.905	4.916	4.825	4.857
#2	.9784	4.930	4.846	4.872	4.926	4.911	4.895
#3	.9730	4.875	4.864	4.887	4.908	4.883	4.854
#4	.9651	4.870	4.750	4.906	4.906	4.796	4.806
#5	.9787	4.918	4.957	4.867	4.917	4.908	4.936
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.885	4.893	4.881	4.868	23.68	4.886	4.862

SDev	.041	.032	.019	.020	.32	.046	.027
%RSD	.8341	.6448	.3846	.4134	1.337	.9387	.5598
#1	4.867	4.869	4.898	4.856	23.84	4.870	4.849
#2	4.923	4.924	4.883	4.885	23.92	4.900	4.888
#3	4.881	4.894	4.876	4.872	23.45	4.865	4.864
#4	4.828	4.854	4.898	4.840	23.24	4.836	4.823
#5	4.925	4.923	4.853	4.888	23.94	4.957	4.886
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.951	4.865	4.864	4.868	4.900	4.910	4.892
SDev	.033	.058	.059	.028	.051	.076	.017
%RSD	.6608	1.184	1.221	.5686	1.045	1.541	.3450
#1	4.991	4.853	4.838	4.836	4.909	4.877	4.888
#2	4.958	4.878	4.937	4.911	4.908	4.988	4.909
#3	4.948	4.810	4.856	4.858	4.813	4.839	4.897
#4	4.958	4.826	4.784	4.859	4.924	4.853	4.866
#5	4.900	4.957	4.906	4.873	4.948	4.996	4.902
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.894
SDev	.049
%RSD	.9922
#1	4.866
#2	4.949
#3	4.888
#4	4.831
#5	4.934
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10974	--	--	--	--	--	--
SDev	168.4378	--	--	--	--	--	--
%RSD	1.534948	--	--	--	--	--	--
#1	11159	--	--	--	--	--	--
#2	10811	--	--	--	--	--	--
#3	10938	--	--	--	--	--	--

#4	11140	--	--	--	--	--	--
#5	10819	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB10825 Operator: DQ
Run Time: 08/25/95 09:37:33
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0201	-.0071	.0012	.0008	-.0292	.0040
SDev	.0018	.0118	.0127	.0004	.0007	.0033	.0027
%RSD	195.5	58.77	177.8	35.33	84.88	11.22	69.01
#1	.0021	.0013	.0096	.0008	.0001	-.0301	.0027
#2	.0021	.0292	-.0249	.0012	.0001	-.0266	H.0068
#3	.0021	.0204	-.0121	.0018	.0013	-.0259	.0007
#4	.0001	.0187	-.0032	.0015	.0013	-.0292	H.0068
#5	-.0019	.0311	-.0051	.0008	.0013	-.0342	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0018	.0023	.0008	.3866	.0011	.0008
SDev	.0012	.0013	.0007	.0025	.2359	.0187	.0004
%RSD	144.8	69.30	29.12	325.2	61.01	1627.	49.40
#1	-.0004	-.0003	.0023	.0010	.3832	-.0109	.0004
#2	.0020	.0032	.0023	.0046	.7172	.0056	.0004
#3	-.0004	.0021	.0023	-.0018	.4848	.0273	.0013
#4	.0010	.0021	.0014	-.0009	.2547	.0055	.0009
#5	.0020	.0021	.0033	.0010	.0930	-.0218	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0484	-.0026	.0005	.0172	.0129	.0027	.0010
SDev	.0108	.0037	.0215	.0130	.0162	.0108	.0011
%RSD	22.24	143.4	4709.	75.32	125.2	404.9	110.2
#1	.0421	-.0008	-.0021	.0241	.0189	.0139	.0007
#2	.0530	-.0075	.0337	.0316	.0315	-.0141	.0021
#3	.0653	-.0053	.0066	.0202	.0040	.0098	.0021
#4	.0398	.0015	-.0158	-.0025	.0202	.0040	-.0006
#5	.0418	-.0008	-.0202	.0127	-.0101	-.0002	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	-.0004
SDev	.0013
%RSD	323.1
#1	-.0005
#2	.0008
#3	-.0013
#4	-.0019
#5	.0009
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10900	--	--	--	--	--	--
SDev	25.84089	--	--	--	--	--	--
%RSD	.2370672	--	--	--	--	--	--
#1	10884	--	--	--	--	--	--
#2	10926	--	--	--	--	--	--
#3	10929	--	--	--	--	--	--
#4	10890	--	--	--	--	--	--
#5	10872	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0838801C Operator: DQ
Run Time: 08/25/95 09:44:29
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	-.0049	-.0057	.0008	-.0010	-.0094	.0019
SDev	.0006	.0183	.0089	.0003	.0003	.0039	.0031
%RSD	22.76	376.3	156.3	36.47	25.68	41.28	164.8
#1	.0019	-.0179	.0026	.0008	-.0011	-.0142	.0006
#2	.0030	-.0095	-.0201	.0005	-.0011	-.0081	-.0013
#3	.0021	.0017	-.0079	.0005	-.0011	-.0066	.0027
#4	.0021	.0235	-.0009	.0012	-.0005	-.0053	.0067
#5	.0030	-.0220	-.0022	.0008	-.0011	-.0126	.0007

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0016	.0013	.0005	.6815	.0397	.0002
SDev	.0025	.0022	.0007	.0006	.2838	.0298	.0002
%RSD	244.8	131.3	54.19	109.2	41.64	75.00	93.56
#1	-.0004	.0038	.0016	-.0001	.5398	.0523	.0002
#2	-.0004	-.0016	.0010	-.0001	.4066	.0004	-.0001
#3	-.0014	.0020	.0003	.0009	.5309	.0379	.0004

#4	.0030	.0032	.0012	.0009	.8189	.0272	.0004
#5	.0044	.0008	.0021	.0009	1.112	.0808	.0003

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0097	-.0061	.0118	.0121	.0203	-.0039	.0023
SDev	.0123	.0042	.0128	.0079	.0303	.0116	.0017
%RSD	126.7	68.67	108.2	65.62	149.2	296.0	75.38
#1	.0191	-.0060	.0064	.0114	.0127	-.0217	.0019
#2	.0061	-.0078	.0042	.0120	-.0067	-.0054	-.0006
#3	-.0040	-.0088	.0011	.0011	.0009	.0029	.0033
#4	.0018	-.0087	.0329	.0124	.0702	.0094	.0033
#5	.0255	.0011	.0144	.0235	.0245	-.0049	.0033

Elem	Zn2138
Units	ppm
Avge	.0004
SDev	.0013
%RSD	314.2
#1	-.0001
#2	-.0000
#3	-.0002
#4	.0027
#5	-.0003

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11187	--	--	--	--	--	--
SDev	215.5246	--	--	--	--	--	--
%RSD	1.926563	--	--	--	--	--	--
#1	11540	--	--	--	--	--	--
#2	11242	--	--	--	--	--	--
#3	11061	--	--	--	--	--	--
#4	11011	--	--	--	--	--	--
#5	11080	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0838802C Operator: DQ
Run Time: 08/25/95 09:48:32
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	-.0016	-.0047	.0006	-.0009	.0084	.0015
SDev	.0022	.0190	.0173	.0003	.0003	.0040	.0011
%RSD	135.2	1186.	369.7	48.64	36.72	47.44	74.13
#1	.0039	-.0211	-.0328	.0008	-.0011	.0075	.0026
#2	.0041	.0136	-.0071	.0008	-.0012	.0092	.0007
#3	.0001	.0113	.0037	.0005	-.0006	.0077	.0007
#4	.0011	.0118	.0128	.0005	-.0012	.0143	.0027

#5	-.0009	-.0236	.0001	.0002	-.0005	.0032	.0006

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0001	-.0003	.0002	.4334	.0239	-.0000
SDev	.0023	.0019	.0015	.0016	.4561	.0193	.0003
%RSD	275.1	1811.	557.6	901.9	105.2	80.70	6866.
#1	.0019	.0007	.0019	.0008	.8411	.0427	.0003
#2	.0035	-.0026	.0004	.0009	.9873	.0436	-.0005
#3	-.0024	.0009	-.0014	.0010	.0903	.0000	-.0000
#4	.0015	.0021	-.0005	.0009	.2823	.0219	-.0001
#5	-.0004	-.0016	-.0017	-.0028	-.0340	.0110	.0003

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0032	.0003	.0184	.0192	-.0037	.0010
SDev	.0097	.0063	.0204	.0091	.0205	.0104	.0014
%RSD	3764.	194.8	7496.	49.36	106.7	284.2	144.7
#1	.0040	.0030	.0217	.0230	-.0091	.0059	.0033
#2	.0123	.0024	.0199	.0315	.0279	.0017	.0007
#3	-.0130	-.0097	-.0246	.0128	.0314	-.0018	-.0006
#4	-.0058	-.0020	-.0024	.0164	.0052	-.0212	.0007
#5	.0013	-.0100	-.0133	.0083	.0407	-.0029	.0007

Elem	Zn2138
Units	ppm
Avge	-.0008
SDev	.0010
%RSD	128.9
#1	-.0014
#2	.0007
#3	-.0018
#4	-.0006
#5	-.0007

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11043	--	--	--	--	--	--
SDev	188.6822	--	--	--	--	--	--
%RSD	1.708570	--	--	--	--	--	--
#1	11252	--	--	--	--	--	--
#2	10956	--	--	--	--	--	--
#3	10848	--	--	--	--	--	--
#4	10922	--	--	--	--	--	--
#5	11239	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0838803C Operator: DQ
Run Time: 08/25/95 09:52:35

Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0066	-.0036	.0002	-.0009	-.0201	.0014
SDev	.0026	.0084	.0058	.0007	.0003	.0073	.0027
%RSD	4006.	125.9	159.7	303.2	36.94	36.21	185.2
#1	.0030	.0051	.0052	.0012	-.0011	-.0110	.0026
#2	.0010	-.0064	-.0107	-.0002	-.0011	-.0172	-.0013
#3	-.0009	-.0165	-.0029	-.0002	-.0005	-.0305	.0046
#4	.0011	-.0032	-.0039	.0008	-.0011	-.0185	-.0013
#5	-.0038	-.0123	-.0059	-.0005	-.0005	-.0234	.0026

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0006	-.0002	-.0024	.1565	.0088	-.0004
SDev	.0020	.0027	.0008	.0018	.4328	.0134	.0005
%RSD	197.0	420.9	462.9	73.73	276.6	151.4	128.7
#1	.0024	.0041	.0001	-.0019	.7628	.0216	.0003
#2	-.0023	-.0015	-.0007	-.0055	.2960	.0110	-.0001
#3	-.0014	-.0027	-.0007	-.0019	-.1476	.0216	-.0006
#4	-.0014	-.0015	.0011	-.0019	.2288	-.0050	-.0006
#5	-.0023	-.0015	-.0007	-.0009	-.3577	-.0050	-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	-.0100	-.0041	.0136	.0198	-.0122	.0002
SDev	.0087	.0050	.0182	.0158	.0222	.0046	.0017
%RSD	367.0	50.32	445.8	116.2	112.5	37.55	923.6
#1	.0081	-.0013	.0219	.0378	.0224	-.0167	.0020
#2	.0007	-.0099	-.0083	.0196	.0332	-.0161	.0020
#3	-.0026	-.0132	.0046	.0047	.0467	-.0060	-.0006
#4	-.0021	-.0121	-.0126	.0085	-.0098	-.0133	-.0006
#5	-.0160	-.0132	-.0260	-.0027	.0062	-.0091	-.0019

Elem	Zn2138
Units	ppm
Avge	-.0011
SDev	.0012
%RSD	117.4
#1	.0007
#2	-.0025
#3	-.0012
#4	-.0004
#5	-.0018

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11165	--	--	--	--	--	--
SDev	43.14819	--	--	--	--	--	--

%RSD	.3864746	--	--	--	--	--	--
#1	11229	--	--	--	--	--	--
#2	11138	--	--	--	--	--	--
#3	11188	--	--	--	--	--	--
#4	11126	--	--	--	--	--	--
#5	11142	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 838803CS Operator: DQ
Run Time: 08/25/95 09:56:38
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8808	.9944	2.003	.9798	.9567	10.08	1.018
SDev	.0315	.0211	.020	.0029	.0031	.04	.008
%RSD	3.574	2.124	.9937	.2976	.3277	.4015	.7616
#1	.8919	.9877	2.007	.9797	.9519	10.07	1.009
#2	.9217	.9791	2.020	.9789	.9590	10.10	1.028
#3	.8798	.9830	1.978	.9814	.9583	10.02	1.023
#4	.8761	.9907	2.022	.9755	.9591	10.13	1.018
#5	.8345	1.031	1.986	.9833	.9551	10.08	1.013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.002	.9983	.9841	.9766	9.647	10.21	.9948
SDev	.005	.0045	.0027	.0058	.397	.02	.0030
%RSD	.4885	.4489	.2712	.5917	4.117	.1552	.2995
#1	.9956	.9970	.9801	.9747	9.694	10.21	.9933
#2	1.003	.9981	.9847	.9792	9.285	10.20	.9974
#3	1.002	.9976	.9867	.9677	9.571	10.21	.9915
#4	1.009	1.006	.9859	.9830	10.30	10.23	.9984
#5	1.003	.9932	.9828	.9782	9.387	10.19	.9933

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.839	.9948	.9983	1.843	1.947	2.011	.9409
SDev	.025	.0171	.0138	.161	.021	.043	.0041
%RSD	.2492	1.716	1.386	8.714	1.059	2.146	.4384
#1	9.829	.9923	.9783	1.564	1.919	2.057	.9389
#2	9.818	1.004	1.007	1.859	1.968	2.041	.9455
#3	9.881	.9714	1.002	1.897	1.933	1.982	.9393
#4	9.834	.9891	1.013	1.954	1.954	2.023	.9450
#5	9.832	1.017	.9908	1.941	1.962	1.952	.9360

Elem	Zn2138
Units	ppm
Avge	1.017
SDev	.005
%RSD	.5074
#1	1.011

#2	1.022
#3	1.013
#4	1.023
#5	1.016

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11267	--	--	--	--	--	--
SDev	131.7259	--	--	--	--	--	--
%RSD	1.169109	--	--	--	--	--	--
#1	11478	--	--	--	--	--	--
#2	11261	--	--	--	--	--	--
#3	11228	--	--	--	--	--	--
#4	11115	--	--	--	--	--	--
#5	11252	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 838803CK Operator: DQ
Run Time: 08/25/95 10:00:41
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8063	.9823	1.964	.9680	.9497	10.07	1.015
SDev	.0453	.0099	.026	.0021	.0022	.06	.007
%RSD	5.617	1.005	1.325	.2162	.2360	.6013	.6608
#1	.8448	.9764	1.922	.9665	.9465	10.16	1.014
#2	.8426	.9959	1.992	.9707	.9495	10.04	1.018
#3	.8251	.9724	1.978	.9698	.9517	10.07	1.006
#4	.7782	.9775	1.964	.9663	.9519	10.09	1.025
#5	.7410	.9892	1.963	.9666	.9489	9.999	1.014

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9959	.9956	.9734	.9668	9.560	10.19	.9903
SDev	.0034	.0046	.0023	.0058	.155	.04	.0027
%RSD	.3457	.4652	.2347	.5961	1.619	.3775	.2759
#1	1.000	.9996	.9712	.9756	9.494	10.20	.9932
#2	.9975	.9959	.9740	.9677	9.581	10.24	.9903
#3	.9940	1.000	.9764	.9673	9.819	10.14	.9898
#4	.9966	.9916	.9710	.9617	9.476	10.18	.9922
#5	.9913	.9902	.9741	.9614	9.431	10.21	.9861

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.750	.9822	.9920	1.852	1.950	2.016	.9332
SDev	.014	.0103	.0110	.172	.026	.015	.0048
%RSD	.1464	1.051	1.106	9.296	1.352	.7493	.5134
#1	9.731	.9697	.9875	1.551	1.939	1.995	.9382
#2	9.740	.9770	1.011	1.887	1.933	2.018	.9349

#3	9.767	.9839	.9849	1.906	1.992	2.033	.9360
#4	9.757	.9977	.9893	1.940	1.927	2.027	.9308
#5	9.753	.9826	.9868	1.979	1.959	2.009	.9261

Elem	Zn2138
Units	ppm
Avge	1.017
SDev	.004
%RSD	.4375

#1	1.020
#2	1.015
#3	1.019
#4	1.021
#5	1.010

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11249	--	--	--	--	--	--
SDev	80.78902	--	--	--	--	--	--
%RSD	.7181859	--	--	--	--	--	--
#1	11334	--	--	--	--	--	--
#2	11311	--	--	--	--	--	--
#3	11222	--	--	--	--	--	--
#4	11129	--	--	--	--	--	--
#5	11248	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0816 Operator: DQ
Run Time: 08/25/95 10:05:42
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0386	-.0155	.0040	.0011	H1.967	.0013
SDev	.0034	.0120	.0129	.0010	.0004	.010	.0018
%RSD	140.9	31.10	83.43	24.26	33.98	.4845	142.5
#1	H.0068	.0533	-.0040	.0049	.0013	H1.963	.0009
#2	.0024	.0443	-.0069	.0034	.0013	H1.960	.0030
#3	.0003	.0349	-.0253	.0041	.0007	H1.983	-.0013
#4	-.0019	.0396	-.0331	.0026	.0007	H1.960	.0008
#5	.0045	.0209	-.0081	.0048	.0013	H1.968	.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0034	.0020	H.0215	.4036	H.4036	.0036
SDev	.0015	.0022	.0022	.0028	.5889	.0390	.0009
%RSD	139.0	62.60	112.1	12.93	145.9	9.671	24.41

#1	.0006	.0054	.0034	H.0255	H1.004	H.4097	.0037
#2	-.0025	.0052	.0022	.0181	-.0251	H.3685	.0041
#3	-.0010	.0002	.0032	H.0221	.4224	H.3744	.0041
#4	-.0025	.0026	-.0019	.0199	-.3339	H.3988	.0020
#5	.0001	.0039	.0031	H.0220	.9505	H.4664	.0040

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.2143	-.0035	.0151	.0136	.0213	.0218	.0014
SDev	.0128	.0073	.0104	.0181	.0166	.0115	.0016
%RSD	5.976	206.9	68.76	132.8	77.87	52.48	114.9
#1	H.2306	-.0029	.0244	.0190	-.0034	.0284	.0023
#2	H.2190	.0005	.0034	.0266	.0392	.0251	.0008
#3	H.2032	-.0007	.0083	-.0182	.0149	.0122	.0008
#4	H.1995	-.0163	.0120	.0222	.0234	.0355	-.0006
#5	H.2194	.0016	.0273	.0184	.0325	.0080	.0037

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0193
SDev	.0007
%RSD	3.852
#1	.0196
#2	.0196
#3	.0189
#4	.0183
#5	H.0202

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10159	--	--	--	--	--	--
SDev	101.3411	--	--	--	--	--	--
%RSD	.9975265	--	--	--	--	--	--
#1	10004	--	--	--	--	--	--
#2	10157	--	--	--	--	--	--
#3	10156	--	--	--	--	--	--
#4	10284	--	--	--	--	--	--
#5	10195	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSS1225 Operator: DQ
Run Time: 08/25/95 10:09:47
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.231	25.89	.6278	1.798	.8511	26.59	1.131
SDev	.005	.05	.0336	.003	.0018	.14	.007
%RSD	.3932	.2016	5.357	.1681	.2149	.5402	.5834
#1	1.237	25.83	.6655	1.801	.8507	26.54	1.122
#2	1.228	25.91	.6590	1.800	.8526	26.52	1.135
#3	1.234	25.95	.5976	1.796	.8530	26.53	1.130
#4	1.225	25.83	.6234	1.799	.8485	26.52	1.130
#5	1.230	25.91	.5932	1.793	.8505	26.85	1.139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.710	48.90	.9330	2.580	1.270	32.40	1.770
Low	.5870	17.00	.3080	1.050	.5780	12.30	.6950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.390	.7420	1.006	73.15	19.92	29.40	2.080
SDev	.006	.0064	.007	.13	.89	.04	.005
%RSD	.4055	.8667	.6890	.1802	4.490	.1520	.2638
#1	1.384	.7344	1.007	73.09	19.71	29.39	2.079
#2	1.389	.7468	1.005	73.15	19.39	29.45	2.076
#3	1.392	.7487	1.013	73.14	19.89	29.44	2.077
#4	1.387	.7440	1.010	73.01	21.45	29.34	2.078
#5	1.399	.7361	.9948	73.36	19.19	29.39	2.089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.010	1.100	1.540	132.0	28.20	45.20	2.900
Low	.8490	.4160	.6060	18.90	13.30	18.70	1.490

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.100	.6334	1.700	1.187	.8291	.9753	1.694
SDev	.047	.0190	.051	.012	.0376	.0650	.005
%RSD	1.513	2.998	2.994	1.040	4.537	6.668	.3056
#1	3.147	.6458	1.737	1.172	.8652	.9938	1.692
#2	3.084	.6431	1.620	1.202	.8460	.9897	1.688
#3	3.079	.6208	1.692	1.190	.7696	.9650	1.690
#4	3.150	.6509	1.700	1.176	.8482	.8744	1.699
#5	3.042	.6064	1.751	1.192	.8162	1.053	1.699
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.280	1.030	2.670	1.340	1.280	1.310	2.470
Low	.9770	.3840	.9910	.1490	.4500	.4350	1.280

Elem	Zn2138
Units	ppm

Avge	2.423
SDev	.011
%RSD	.4599
#1	2.415
#2	2.419
#3	2.430
#4	2.411
#5	2.438
Errors	LC Pass
High	3.950
Low	1.430

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10045	--	--	--	--	--	--
SDev	93.43691	--	--	--	--	--	--
%RSD	.9301500	--	--	--	--	--	--
#1	9956	--	--	--	--	--	--
#2	9996	--	--	--	--	--	--
#3	10038	--	--	--	--	--	--
#4	10201	--	--	--	--	--	--
#5	10036	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0856901B Operator: DQ
Run Time: 08/25/95 10:13:50
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	34.51	.0171	.8727	.0036	291.3	.0098
SDev	.0011	.04	.0238	.0017	.0004	1.6	.0029
%RSD	55.71	.1251	139.2	.1907	11.07	.5550	29.14
#1	.0035	34.53	.0382	.8744	.0041	291.8	.0145
#2	.0016	34.54	-.0236	.8740	.0033	289.3	.0075
#3	.0026	34.55	.0270	.8709	.0040	293.0	.0076
#4	.0006	34.51	.0188	.8732	.0033	289.9	.0097
#5	.0016	34.44	.0252	.8709	.0033	292.5	.0098

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0212	.2271	1.587	65.46	4.162	13.35	.9912
SDev	.0014	.0020	.007	.17	.228	.04	.0043
%RSD	6.810	.8904	.4396	.2553	5.487	.3006	.4302
#1	.0203	.2279	1.593	65.63	4.133	13.41	.9933
#2	.0218	.2236	1.593	65.26	4.515	13.31	.9851
#3	.0227	.2285	1.583	65.60	4.060	13.34	.9959
#4	.0192	.2272	1.590	65.32	3.896	13.36	.9887
#5	.0221	.2284	1.577	65.51	4.204	13.32	.9930

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.12	.0616	2.985	.0184	.0415	.1192	.0740
SDev	.11	.0099	.035	.0097	.0273	.0135	.0007
%RSD	.3187	16.11	1.171	52.85	65.71	11.35	.9679
#1	35.22	.0784	2.982	.0292	.0527	.1399	.0744
#2	35.15	.0551	2.971	.0105	.0104	.1050	.0738
#3	35.03	.0574	3.019	.0077	.0726	.1142	.0749
#4	35.23	.0623	2.934	.0274	.0566	.1246	.0737
#5	34.99	.0546	3.016	.0172	.0152	.1122	.0730

Elem	Zn2138
Units	ppm
Avge	2.964
SDev	.018
%RSD	.5962
#1	2.972
#2	2.946
#3	2.982
#4	2.944
#5	2.977

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9974	--	--	--	--	--	--
SDev	123.8318	--	--	--	--	--	--
%RSD	1.241551	--	--	--	--	--	--
#1	9789	--	--	--	--	--	--
#2	10081	--	--	--	--	--	--
#3	9926	--	--	--	--	--	--
#4	10090	--	--	--	--	--	--
#5	9985	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 856901BS Operator: DQ
Run Time: 08/25/95 10:17:53
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9530	33.67	1.933	1.799	1.001	289.4	.9562
SDev	.0040	.08	.036	.002	.003	1.9	.0106
%RSD	.4213	.2340	1.874	.1176	.2876	.6413	1.114
#1	.9581	33.63	1.957	1.795	1.002	292.4	.9730
#2	.9526	33.65	1.883	1.801	1.001	289.3	.9561
#3	.9499	33.57	1.907	1.799	.9979	288.4	.9577
#4	.9560	33.70	1.960	1.800	.9987	289.6	.9464
#5	.9486	33.78	1.959	1.798	1.005	287.4	.9476

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9601	1.167	2.470	63.13	13.96	22.59	1.895
SDev	.0092	.009	.008	.20	.45	.10	.009
%RSD	.9589	.7561	.3422	.3104	3.219	.4239	.4679
#1	.9706	1.181	2.458	63.45	14.41	22.64	1.909
#2	.9624	1.169	2.471	63.11	14.21	22.63	1.896
#3	.9494	1.160	2.471	62.97	13.51	22.48	1.890
#4	.9663	1.166	2.466	63.13	14.24	22.51	1.894
#5	.9517	1.159	2.481	62.97	13.44	22.71	1.886

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	43.18	.9846	3.801	1.882	1.987	2.012	.9838
SDev	.16	.0066	.068	.027	.039	.031	.0042
%RSD	.3785	.6743	1.791	1.460	1.982	1.521	.4255
#1	43.03	.9837	3.901	1.875	2.006	2.043	.9866
#2	43.11	.9778	3.791	1.851	1.961	1.971	.9792
#3	43.13	.9957	3.748	1.888	1.939	2.002	.9839
#4	43.17	.9833	3.833	1.925	1.987	2.041	.9892
#5	43.46	.9824	3.734	1.870	2.040	2.001	.9803

Elem	Zn2138
Units	ppm
Avge	3.783
SDev	.022
%RSD	.5897
#1	3.819
#2	3.787
#3	3.761
#4	3.779
#5	3.770

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10106	--	--	--	--	--	--
SDev	165.0215	--	--	--	--	--	--
%RSD	1.632848	--	--	--	--	--	--
#1	9826	--	--	--	--	--	--
#2	10092	--	--	--	--	--	--
#3	10191	--	--	--	--	--	--
#4	10195	--	--	--	--	--	--
#5	10229	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 856901BK Operator: DQ
Run Time: 08/25/95 10:21:55
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9229	32.84	1.885	1.752	.9768	280.4	.9306
SDev	.0057	.04	.031	.007	.0034	2.6	.0102
%RSD	.6159	.1186	1.626	.4172	.3443	.9173	1.092
#1	.9195	32.83	1.898	1.760	.9745	278.4	.9261
#2	.9167	32.78	1.911	1.756	.9744	278.2	.9263
#3	.9316	32.88	1.872	1.742	.9766	284.5	.9469
#4	.9246	32.84	1.838	1.747	.9759	281.1	.9205
#5	.9222	32.85	1.908	1.756	.9826	279.7	.9330

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9301	1.125	2.406	61.29	13.34	22.06	1.840
SDev	.0099	.009	.005	.28	.38	.05	.012
%RSD	1.062	.8162	.2110	.4621	2.855	.2307	.6425
#1	.9221	1.118	2.414	61.04	13.24	22.05	1.834
#2	.9255	1.118	2.407	61.08	12.87	22.02	1.831
#3	.9461	1.141	2.400	61.75	13.87	22.11	1.860
#4	.9330	1.125	2.406	61.34	13.54	22.12	1.841
#5	.9237	1.123	2.405	61.23	13.18	22.01	1.833

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.14	.9599	3.689	1.824	1.932	1.927	.9596
SDev	.25	.0126	.039	.016	.028	.045	.0035
%RSD	.6038	1.309	1.062	.8688	1.436	2.336	.3641
#1	42.35	.9617	3.659	1.804	1.925	1.848	.9590
#2	42.25	.9403	3.655	1.831	1.924	1.949	.9566
#3	41.73	.9676	3.752	1.828	1.980	1.959	.9652
#4	42.06	.9569	3.687	1.812	1.908	1.932	.9569
#5	42.31	.9732	3.694	1.844	1.922	1.945	.9602

Elem	Zn2138
Units	ppm
Avge	3.668
SDev	.029
%RSD	.7986
#1	3.641
#2	3.647
#3	3.714
#4	3.676
#5	3.661

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10431	--	--	--	--	--	--
SDev	99.93332	--	--	--	--	--	--
%RSD	.9580526	--	--	--	--	--	--

#1	10394	--	--	--	--	--	--
#2	10512	--	--	--	--	--	--
#3	10283	--	--	--	--	--	--
#4	10433	--	--	--	--	--	--
#5	10532	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0825 Operator: DQ
Run Time: 08/25/95 10:32:23
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0304	-.0131	.0034	.0001	H1.849	-.0000
SDev	.0040	.0200	.0093	.0013	.0008	.024	.0029
%RSD	194.8	65.91	71.10	38.90	564.4	1.322	8097.
#1	-.0029	.0484	-.0013	.0034	.0013	H1.844	-.0013
#2	.0045	.0531	-.0057	H.0056	-.0006	H1.882	.0030
#3	L-.0060	.0073	-.0153	.0022	.0007	H1.817	-.0013
#4	-.0040	.0155	-.0231	.0026	.0000	H1.839	-.0035
#5	-.0019	.0275	-.0202	.0030	-.0006	H1.862	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0002	-.0004	.0146	-.1428	H.3961	.0029
SDev	.0030	.0028	.0024	.0022	1.0303	.0339	.0005
%RSD	211.8	1543.	634.0	15.35	721.5	8.569	16.45
#1	-.0020	.0014	.0001	.0170	-.4236	H.3723	.0036
#2	.0038	.0027	.0032	.0171	H1.640	H.3972	.0031
#3	-.0040	-.0025	-.0022	.0135	-.9163	H.3536	.0024
#4	-.0020	-.0037	-.0030	.0127	-.7571	H.4214	.0029
#5	-.0030	.0013	-.0000	.0128	-.2569	H.4361	.0025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1939	-.0094	.0038	.0076	.0203	.0257	-.0019
SDev	.0200	.0059	.0197	.0111	.0219	.0150	.0029
%RSD	10.31	62.31	518.0	145.5	107.9	58.47	150.7
#1	H.1855	-.0056	-.0067	.0062	.0326	.0357	-.0020
#2	H.2296	-.0019	.0372	.0266	.0325	.0399	.0023
#3	H.1832	-.0152	.0046	-.0023	.0218	.0013	L-.0060
#4	H.1862	-.0152	-.0036	.0018	-.0180	.0243	-.0020
#5	H.1850	-.0093	-.0125	.0059	.0329	.0273	-.0020
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0029
SDev	.0019
%RSD	64.78
#1	.0059
#2	.0023
#3	.0032
#4	.0007
#5	.0025

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10358	--	--	--	--	--	--
SDev	173.0210	--	--	--	--	--	--
%RSD	1.670390	--	--	--	--	--	--
#1	10214	--	--	--	--	--	--
#2	10173	--	--	--	--	--	--
#3	10598	--	--	--	--	--	--
#4	10443	--	--	--	--	--	--
#5	10363	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK2825 Operator: DQ
Run Time: 08/25/95 10:36:27
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0417	-.0186	.0029	.0004	H1.516	.0012
SDev	.0020	.0205	.0067	.0005	.0006	.024	.0028
%RSD	248.0	49.28	35.89	16.34	141.6	1.601	225.5
#1	.0003	.0502	-.0186	.0027	.0007	H1.513	.0030
#2	-.0008	.0430	-.0204	.0030	.0000	H1.506	.0008
#3	.0013	.0429	-.0132	.0038	.0013	H1.535	-.0013
#4	-.0008	.0639	-.0121	.0027	.0000	H1.544	-.0013
#5	-.0039	.0083	-.0288	.0026	.0000	H1.483	.0050

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	-.0011	.0001	.0013	.0144	.0047	H.3499	.0022
SDev	.0014	.0016	.0011	.0016	.3989	.0258	.0002
%RSD	122.5	1560.	88.52	11.13	8567.	7.369	10.70
#1	.0012	-.0011	.0002	.0131	.2918	H.3564	.0021
#2	-.0020	.0001	.0011	.0159	-.1464	H.3412	.0025
#3	-.0015	.0027	.0031	.0161	.3929	H.3730	.0021
#4	-.0010	.0002	.0012	.0142	.0910	H.3692	.0021
#5	-.0024	-.0013	.0008	.0125	-.6060	H.3095	.0019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.1565	-.0045	.0036	.0205	-.0024	.0118	-.0006
SDev	.0137	.0044	.0176	.0056	.0170	.0146	.0022
%RSD	8.720	99.89	490.4	27.41	722.6	123.3	385.2
#1	H.1454	-.0091	-.0064	.0184	-.0173	.0247	.0023
#2	H.1604	-.0092	-.0120	.0141	-.0019	.0129	-.0034
#3	H.1643	-.0020	.0225	.0224	.0231	.0211	.0008
#4	H.1396	.0005	.0230	.0185	.0027	.0129	-.0020
#5	H.1727	-.0025	-.0092	.0291	-.0184	-.0125	-.0006

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0118
SDev	.0006
%RSD	4.742
#1	.0113
#2	.0116
#3	.0127
#4	.0114
#5	.0119

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10269	--	--	--	--	--	--
SDev	175.7286	--	--	--	--	--	--
%RSD	1.711320	--	--	--	--	--	--
#1	10167	--	--	--	--	--	--
#2	10276	--	--	--	--	--	--

#3	10194	--	--	--	--	--	--
#4	10137	--	--	--	--	--	--
#5	10569	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSS1225 Operator: DQ
Run Time: 08/25/95 10:40:31
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.208	25.36	.6604	1.940	.9236	25.07	1.204
SDev	.011	.02	.0267	.009	.0011	.32	.021
%RSD	.8847	.0619	4.050	.4871	.1163	1.260	1.727
#1	1.205	25.35	.6602	1.942	.9230	25.01	1.190
#2	1.209	25.37	.6468	1.946	.9226	24.93	1.198
#3	1.194	25.33	.6971	1.950	.9230	24.69	1.188
#4	1.209	25.37	.6723	1.934	.9244	25.18	1.204
#5	1.224	25.36	.6259	1.926	.9251	25.53	1.239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.710	48.90	.9330	2.580	1.270	32.40	1.770
Low	.5870	17.00	.3080	1.050	.5780	12.30	.6950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.406	.7851	1.027	63.71	18.88	30.52	2.126
SDev	.013	.0097	.002	.36	.88	.09	.015
%RSD	.8965	1.229	.1561	.5710	4.643	.3047	.7084
#1	1.409	.7846	1.030	63.59	18.92	30.53	2.123
#2	1.398	.7780	1.027	63.58	18.88	30.41	2.120
#3	1.389	.7748	1.027	63.30	17.49	30.45	2.109
#4	1.412	.7888	1.026	63.83	19.19	30.58	2.131
#5	1.421	.7993	1.026	64.27	19.90	30.64	2.149
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.010	1.100	1.540	132.0	28.20	45.20	2.900
Low	.8490	.4160	.6060	18.90	13.30	18.70	1.490

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.866	.6998	1.794	1.088	.8224	1.013	1.825
SDev	.010	.0125	.035	.021	.0230	.046	.008
%RSD	.3649	1.785	1.948	1.943	2.801	4.589	.4197
#1	2.874	.7005	1.795	1.062	.7964	.9395	1.824
#2	2.871	.6809	1.793	1.093	.8421	1.014	1.819
#3	2.849	.6966	1.752	1.074	.8435	1.011	1.820
#4	2.864	.7070	1.783	1.092	.7991	1.067	1.822
#5	2.873	.7141	1.849	1.118	.8309	1.031	1.838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.280	1.030	2.670	1.340	1.280	1.310	2.470
Low	.9770	.3840	.9910	.1490	.4500	.4350	1.280

Elem	Zn2138
Units	ppm
Avge	2.455
SDev	.028
%RSD	1.145
#1	2.449
#2	2.441
#3	2.423
#4	2.467
#5	2.497
Errors	LC Pass
High	3.950
Low	1.430

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10486	--	--	--	--	--	--
SDev	156.7536	--	--	--	--	--	--
%RSD	1.494953	--	--	--	--	--	--
#1	10406	--	--	--	--	--	--
#2	10576	--	--	--	--	--	--
#3	10701	--	--	--	--	--	--
#4	10448	--	--	--	--	--	--
#5	10296	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSS2225 Operator: DQ
Run Time: 08/25/95 10:44:35
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.164	31.30	.6094	1.825	.8598	24.60	1.140
SDev	.005	.05	.0197	.004	.0022	.13	.010
%RSD	.3892	.1511	3.240	.2390	.2580	.5110	.8991
#1	1.163	31.31	.6287	1.830	.8597	24.49	1.137
#2	1.161	31.23	.6119	1.828	.8569	24.46	1.131
#3	1.168	31.31	.5796	1.820	.8631	24.72	1.157
#4	1.169	31.36	.6248	1.821	.8591	24.73	1.141
#5	1.159	31.29	.6021	1.825	.8599	24.62	1.132
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.710	48.90	.9330	2.580	1.270	32.40	1.770
Low	.5870	17.00	.3080	1.050	.5780	12.30	.6950

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.354	.7447	.9884	81.02	18.86	29.55	2.045
SDev	.007	.0074	.0014	.23	.52	.11	.006

%RSD	.5460	.9958	.1417	.2865	2.780	.3806	.3114
#1	1.351	.7440	.9904	80.87	19.04	29.48	2.042
#2	1.346	.7354	.9876	80.74	19.02	29.39	2.036
#3	1.364	.7470	.9885	81.28	18.66	29.65	2.052
#4	1.359	.7555	.9866	81.23	19.49	29.64	2.050
#5	1.350	.7415	.9887	80.98	18.09	29.58	2.044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.010	1.100	1.540	132.0	28.20	45.20	2.900
Low	.8490	.4160	.6060	18.90	13.30	18.70	1.490
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.766	.6376	1.635	1.046	.7633	.9761	1.688
SDev	.026	.0159	.012	.020	.0269	.0541	.005
%RSD	.9382	2.498	.7412	1.897	3.522	5.538	.2698
#1	2.786	.6329	1.648	1.044	.7632	.8921	1.691
#2	2.799	.6269	1.624	1.040	.7808	.9729	1.681
#3	2.747	.6378	1.631	1.080	.7608	1.025	1.689
#4	2.759	.6256	1.647	1.030	.7206	1.022	1.692
#5	2.738	.6647	1.623	1.037	.7908	.9680	1.685
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.280	1.030	2.670	1.340	1.280	1.310	2.470
Low	.9770	.3840	.9910	.1490	.4500	.4350	1.280

Elem	Zn2138
Units	ppm
Avge	2.364
SDev	.015
%RSD	.6394
#1	2.355
#2	2.345
#3	2.380
#4	2.378
#5	2.362
Errors	LC Pass
High	3.950
Low	1.430

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10501	--	--	--	--	--	--
SDev	87.15199	--	--	--	--	--	--
%RSD	.8299020	--	--	--	--	--	--
#1	10439	--	--	--	--	--	--
#2	10612	--	--	--	--	--	--
#3	10397	--	--	--	--	--	--
#4	10500	--	--	--	--	--	--

#5	10560	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0885709B Operator: DQ
Run Time: 08/25/95 10:48:38
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	49.22	.0231	.5534	.0069	S4120.	.0222
SDev	.0024	.12	.0141	.0035	.0001	35.	.0025
%RSD	382.0	.2454	60.90	.6293	.7590	.8400	11.42
#1	.0029	49.02	.0299	.5592	.0069	S4124.	.0264
#2	-.0036	49.20	.0323	.5538	.0068	S4062.	.0214
#3	-.0015	49.33	.0327	.5526	.0069	S4132.	.0195
#4	-.0004	49.28	.0214	.5506	.0069	S4129.	.0218
#5	-.0005	49.28	-.0007	.5509	.0069	S4154.	.0219

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0380	.0782	.1075	61.02	10.56	37.39	2.017
SDev	.0020	.0052	.0018	.29	.33	.08	.010
%RSD	5.158	6.625	1.703	.4749	3.104	.2122	.5196
#1	.0401	.0852	.1090	60.76	10.80	37.31	2.007
#2	.0362	.0733	.1063	60.65	10.04	37.34	2.005
#3	.0358	.0814	.1093	61.22	10.45	37.35	2.026
#4	.0396	.0733	.1050	61.21	10.64	37.42	2.020
#5	.0382	.0778	.1078	61.25	10.86	37.51	2.028

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.105	.0773	.1643	.0053	.0256	.2713	.1987
SDev	.011	.0077	.0145	.0192	.0188	.0159	.0020
%RSD	1.026	9.996	8.804	361.1	73.50	5.851	1.003
#1	1.123	.0891	.1822	.0323	.0299	.2545	.1998
#2	1.108	.0687	.1523	.0014	.0281	.2845	.1953
#3	1.094	.0728	.1774	-.0178	-.0069	.2811	.2002
#4	1.099	.0765	.1515	-.0047	.0387	.2829	.1986
#5	1.101	.0796	.1583	.0155	.0383	.2534	.1997

Elem	Zn2138
Units	ppm
Avge	.2666
SDev	.0026
%RSD	.9548
#1	.2636
#2	.2655
#3	.2673
#4	.2663
#5	.2704

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9626	--	--	--	--	--	--
SDev	81.54218	--	--	--	--	--	--
%RSD	.8470612	--	--	--	--	--	--
#1	9616	--	--	--	--	--	--
#2	9765	--	--	--	--	--	--
#3	9598	--	--	--	--	--	--
#4	9606	--	--	--	--	--	--
#5	9548	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 885709BS Operator: DQ
Run Time: 08/25/95 10:52:41
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9073	146.3	1.914	1.465	.9436	S4122.	.9112
SDev	.0011	.2	.019	.004	.0008	26.	.0114
%RSD	.1189	.1674	.9673	.2518	.0855	.6285	1.252
#1	.9070	145.9	1.926	1.468	.9434	S4163.	.9057
#2	.9063	146.5	1.932	1.468	.9448	S4132.	.9106
#3	.9084	146.3	1.924	1.461	.9432	S4110.	.9127
#4	.9065	146.4	1.899	1.467	.9441	S4096.	.8981
#5	.9086	146.1	1.890	1.461	.9427	S4111.	.9290

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8919	.9992	1.109	95.09	31.23	46.66	2.793
SDev	.0026	.0020	.005	.12	.43	.14	.006
%RSD	.2922	.1966	.4110	.1301	1.385	.3090	.2312
#1	.8905	.9961	1.111	94.93	31.93	46.47	2.786
#2	.8924	1.001	1.112	95.15	30.92	46.74	2.796
#3	.8893	.9994	1.110	95.11	31.32	46.55	2.792
#4	.8913	.9986	1.112	95.01	30.85	46.78	2.789
#5	.8961	1.001	1.101	95.25	31.12	46.77	2.802

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.39	.9434	.9816	1.358	1.926	1.999	1.094
SDev	.03	.0158	.0156	.016	.029	.051	.001
%RSD	.2780	1.679	1.591	1.178	1.526	2.559	.0757
#1	11.38	.9678	.9942	1.343	1.909	1.913	1.095
#2	11.41	.9276	.9902	1.359	1.913	2.050	1.093
#3	11.43	.9415	.9842	1.341	1.972	2.015	1.095
#4	11.40	.9320	.9546	1.376	1.938	2.004	1.094
#5	11.34	.9481	.9846	1.372	1.898	2.012	1.094

Elem	Zn2138

Units	ppm
Avge	1.211
SDev	.007
%RSD	.5818
#1	1.202
#2	1.214
#3	1.213
#4	1.207
#5	1.220

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9619	--	--	--	--	--	--
SDev	60.01807	--	--	--	--	--	--
%RSD	.6239222	--	--	--	--	--	--
#1	9526	--	--	--	--	--	--
#2	9597	--	--	--	--	--	--
#3	9648	--	--	--	--	--	--
#4	9681	--	--	--	--	--	--
#5	9646	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 885709BK Operator: DQ
Run Time: 08/25/95 10:57:01
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8968	202.4	1.904	1.529	.9294	S4096.	.9022
SDev	.0058	.8	.076	.004	.0039	74.	.0153
%RSD	.6429	.4006	4.004	.2741	.4234	1.813	1.695
#1	.9015	201.6	1.992	1.531	.9269	S4160.	.9006
#2	.8980	202.6	1.858	1.522	.9312	S4164.	.9224
#3	.8997	203.7	1.820	1.531	.9352	S4087.	.8892
#4	.8868	201.8	1.977	1.533	.9251	S3981.	.8864
#5	.8978	202.2	1.873	1.527	.9287	S4088.	.9125

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8867	1.032	1.030	112.2	41.45	52.67	2.851
SDev	.0110	.010	.006	.6	.39	.26	.018
%RSD	1.243	.9938	.5517	.5541	.9296	.5026	.6173
#1	.8941	1.041	1.025	112.2	41.65	52.65	2.854
#2	.8994	1.043	1.032	113.0	41.35	52.95	2.871
#3	.8865	1.034	1.039	112.4	41.98	52.70	2.854
#4	.8706	1.019	1.025	111.3	41.34	52.24	2.822
#5	.8830	1.025	1.028	112.4	40.95	52.82	2.853

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avge	11.43	.9315	.9988	1.273	1.909	2.002	1.148
SDev	.09	.0230	.0255	.017	.029	.043	.006
%RSD	.8231	2.471	2.551	1.315	1.541	2.159	.4870
#1	11.38	.9354	1.025	1.257	1.899	1.953	1.146
#2	11.40	.9491	1.010	1.253	1.925	2.064	1.157
#3	11.60	.9148	1.016	1.288	1.873	1.999	1.148
#4	11.40	.9018	.9708	1.279	1.898	1.973	1.143
#5	11.38	.9566	.9722	1.288	1.950	2.023	1.145

Elem	Zn2138
Units	ppm
Avge	1.269
SDev	.012
%RSD	.9177
#1	1.270
#2	1.285
#3	1.270
#4	1.252
#5	1.270

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9682	--	--	--	--	--	--
SDev	177.2650	--	--	--	--	--	--
%RSD	1.830781	--	--	--	--	--	--
#1	9531	--	--	--	--	--	--
#2	9522	--	--	--	--	--	--
#3	9702	--	--	--	--	--	--
#4	9959	--	--	--	--	--	--
#5	9698	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0885711B Operator: DQ
Run Time: 08/25/95 11:01:04
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	158.8	.0585	.8099	.0090	1192.	-.0022
SDev	.0009	.2	.0633	.0052	.0003	14.	.0025
%RSD	32.73	.1454	108.1	.6410	3.857	1.150	114.2
#1	-.0030	158.9	.1673	.8173	.0092	1175.	-.0013
#2	-.0017	158.9	.0323	.8127	.0092	1181.	-.0013
#3	-.0024	158.8	.0121	.8047	.0095	1206.	-.0036
#4	-.0023	158.9	.0590	.8056	.0088	1204.	.0009
#5	-.0041	158.4	.0220	.8094	.0086	1195.	-.0058

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0553	.1481	.0906	115.0	20.58	24.29	2.468

SDev	.0018	.0053	.0013	.7	.53	.12	.016
%RSD	3.312	3.592	1.385	.6055	2.554	.4992	.6569
#1	.0536	.1418	.0907	114.2	19.95	24.21	2.451
#2	.0540	.1464	.0905	114.4	20.67	24.17	2.452
#3	.0557	.1564	.0901	115.7	21.38	24.34	2.485
#4	.0550	.1469	.0889	115.6	20.57	24.48	2.482
#5	.0583	.1492	.0924	114.9	20.35	24.28	2.470

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9947	.1087	.1056	-.0274	.0385	.2729	.2923
SDev	.0180	.0181	.0233	.0209	.0277	.0250	.0030
%RSD	1.811	16.63	22.08	76.17	72.01	9.146	1.019
#1	.9952	.0768	.1406	.0096	.0639	.2545	.2885
#2	1.020	.1127	.1103	-.0371	.0684	.2596	.2906
#3	.9977	.1204	.0845	-.0395	.0087	.3126	.2949
#4	.9691	.1164	.0838	-.0385	.0132	.2824	.2957
#5	.9918	.1176	.1087	-.0317	.0381	.2553	.2919

Elem	Zn2138
Units	ppm
Avge	.2996
SDev	.0032
%RSD	1.059
#1	.2978
#2	.2953
#3	.3012
#4	.3036
#5	.2999

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9975	--	--	--	--	--	--
SDev	139.0203	--	--	--	--	--	--
%RSD	1.393631	--	--	--	--	--	--
#1	10086	--	--	--	--	--	--
#2	10115	--	--	--	--	--	--
#3	9818	--	--	--	--	--	--
#4	9839	--	--	--	--	--	--
#5	10020	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0889201A Operator: DQ
Run Time: 08/25/95 11:05:07
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	46.30	-.0123	.6249	.0058	28.35	.0026
SDev	.0021	.03	.0122	.0014	.0001	.15	.0024

%RSD	115.9	.0717	99.28	.2204	.8401	.5342	93.28
#1	-.0025	46.29	.0016	.6272	.0059	28.27	.0030
#2	-.0004	46.29	-.0095	.6237	.0059	28.46	.0052
#3	-.0045	46.34	-.0291	.6252	.0058	28.28	.0030
#4	-.0025	46.33	-.0047	.6244	.0059	28.57	-.0013
#5	.0009	46.26	-.0200	.6242	.0058	28.20	.0029

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0249	.0438	.0376	40.30	1.052	4.779	.6829
SDev	.0011	.0032	.0012	.12	.577	.020	.0026
%RSD	4.294	7.280	3.097	.2867	54.80	.4150	.3790
#1	.0241	.0446	.0379	40.23	.7164	4.759	.6815
#2	.0263	.0461	.0391	40.40	1.581	4.788	.6848
#3	.0240	.0382	.0367	40.26	.5107	4.761	.6820
#4	.0243	.0450	.0362	40.45	.6863	4.807	.6863
#5	.0258	.0450	.0381	40.18	1.767	4.780	.6800

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.810	.0169	.1070	.0046	.0291	.0732	.1309
SDev	.026	.0076	.0151	.0117	.0236	.0229	.0019
%RSD	1.435	44.81	14.10	253.1	80.92	31.29	1.452
#1	1.807	.0206	.1036	.0210	.0476	.0992	.1303
#2	1.838	.0160	.1095	.0047	.0583	.0967	.1309
#3	1.787	.0145	.0834	.0016	.0265	.0600	.1283
#4	1.782	.0065	.1147	-.0116	.0045	.0510	.1311
#5	1.835	.0270	.1236	.0075	.0088	.0590	.1336

Elem	Zn2138
Units	ppm
Avge	.0561
SDev	.0010
%RSD	1.736
#1	.0571
#2	.0561
#3	.0553
#4	.0569
#5	.0549

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10252	--	--	--	--	--	--
SDev	97.86070	--	--	--	--	--	--
%RSD	.9545560	--	--	--	--	--	--
#1	10230	--	--	--	--	--	--
#2	10181	--	--	--	--	--	--
#3	10275	--	--	--	--	--	--
#4	10165	--	--	--	--	--	--

#5	10409	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0889204A Operator: DQ
Run Time: 08/25/95 11:09:10
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	32.41	.0168	.9219	.0041	47.25	.0016
SDev	.0036	.06	.0143	.0031	.0003	.48	.0019
%RSD	76.43	.1737	84.95	.3406	8.219	1.010	116.5
#1	.0028	32.39	.0415	.9265	.0045	46.89	.0029
#2	.0039	32.41	.0057	.9227	.0038	47.18	.0008
#3	.0103	32.50	.0151	.9178	.0039	48.06	-.0013
#4	.0060	32.37	.0123	.9216	.0038	46.92	.0029
#5	.0008	32.37	.0093	.9209	.0045	47.19	.0029

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	.0378	.0588	26.04	1.270	11.60	1.078
SDev	.0026	.0038	.0039	.13	.896	.08	.006
%RSD	13.03	10.15	6.665	.5152	70.56	.6913	.5531
#1	.0190	.0388	.0571	25.94	.8572	11.59	1.074
#2	.0211	.0339	.0573	26.01	1.279	11.57	1.077
#3	.0243	.0427	.0642	26.27	2.538	11.73	1.088
#4	.0193	.0395	.0613	25.97	1.564	11.58	1.073
#5	.0174	.0339	.0542	25.99	.1100	11.52	1.077

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.481	.0167	.0579	.0094	.0313	.0608	.1063
SDev	.024	.0088	.0147	.0196	.0159	.0207	.0029
%RSD	1.610	52.67	25.37	207.4	50.78	34.07	2.719
#1	1.475	.0151	.0714	.0101	.0187	.0631	.1059
#2	1.484	.0093	.0575	-.0214	.0357	.0788	.1047
#3	1.495	.0198	.0671	.0289	.0550	.0755	.1106
#4	1.506	.0090	.0602	.0230	.0322	.0266	.1075
#5	1.443	.0302	.0336	.0065	.0148	.0600	.1031

Elem	Zn2138
Units	ppm
Avge	.1333
SDev	.0018
%RSD	1.332
#1	.1321
#2	.1331
#3	.1363
#4	.1333
#5	.1319

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10416	--	--	--	--	--	--
SDev	162.0456	--	--	--	--	--	--
%RSD	1.555755	--	--	--	--	--	--
#1	10459	--	--	--	--	--	--
#2	10443	--	--	--	--	--	--
#3	10140	--	--	--	--	--	--
#4	10571	--	--	--	--	--	--
#5	10467	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0889207A Operator: DQ
Run Time: 08/25/95 11:13:13
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	30.98	.0170	1.204	.0056	53.74	-.0001
SDev	.0032	.05	.0255	.004	.0003	.54	.0033
%RSD	270.7	.1532	150.4	.3165	5.990	.9995	5432.
#1	.0027	31.03	.0076	1.204	.0059	54.29	-.0035
#2	-.0035	30.93	.0345	1.205	.0057	53.45	-.0013
#3	.0017	30.99	-.0080	1.199	.0058	54.36	.0051
#4	-.0024	30.92	.0523	1.205	.0057	53.39	.0008
#5	-.0044	31.01	-.0015	1.210	.0050	53.23	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0236	.0304	.0279	25.68	.5005	11.76	.7249
SDev	.0017	.0029	.0026	.13	.6590	.09	.0046
%RSD	7.248	9.427	9.441	.4905	131.7	.7762	.6407
#1	.0264	.0338	.0300	25.84	1.331	11.91	.7306
#2	.0235	.0301	.0288	25.62	.2477	11.77	.7227
#3	.0235	.0321	.0306	25.80	.9987	11.76	.7281
#4	.0228	.0262	.0257	25.58	.2422	11.68	.7244
#5	.0218	.0297	.0247	25.58	-.3172	11.70	.7187

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.23	.0174	.0960	.0047	.0184	.0585	.1973
SDev	.04	.0045	.0215	.0161	.0195	.0120	.0039
%RSD	.3119	26.15	22.43	341.9	105.8	20.56	1.987
#1	12.21	.0149	.1308	.0150	.0157	.0670	.2010
#2	12.22	.0196	.0718	-.0186	.0252	.0636	.1960
#3	12.20	.0240	.0949	.0157	-.0104	.0688	.2018
#4	12.22	.0124	.0940	.0174	.0436	.0398	.1947
#5	12.30	.0158	.0888	-.0059	.0179	.0533	.1929

Elem	Zn2138

Units	ppm
Avge	.0364
SDev	.0013
%RSD	3.559
#1	.0368
#2	.0354
#3	.0383
#4	.0350
#5	.0363

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10422	--	--	--	--	--	--
SDev	191.1648	--	--	--	--	--	--
%RSD	1.834158	--	--	--	--	--	--
#1	10169	--	--	--	--	--	--
#2	10502	--	--	--	--	--	--
#3	10272	--	--	--	--	--	--
#4	10574	--	--	--	--	--	--
#5	10596	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV20825 Operator: DQ
Run Time: 08/25/95 11:17:16
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9750	4.847	4.929	4.819	4.963	4.889	4.944
SDev	.0069	.025	.037	.013	.011	.055	.063
%RSD	.7072	.5130	.7570	.2741	.2118	1.120	1.275
#1	.9817	4.880	4.958	4.813	4.970	4.943	4.985
#2	.9734	4.820	4.910	4.825	4.950	4.874	4.917
#3	.9794	4.865	4.971	4.805	4.963	4.938	5.022
#4	.9640	4.843	4.879	4.839	4.955	4.809	4.858
#5	.9763	4.828	4.925	4.812	4.976	4.879	4.938
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.950	4.953	4.827	4.879	23.39	4.888	4.899
SDev	.037	.027	.008	.020	.59	.041	.023
%RSD	.7512	.5477	.1666	.4148	2.537	.8395	.4732
#1	4.993	4.974	4.821	4.889	23.90	4.943	4.922
#2	4.929	4.944	4.824	4.874	23.45	4.910	4.893
#3	4.976	4.982	4.820	4.904	23.66	4.889	4.920
#4	4.899	4.913	4.837	4.849	Q22.37	4.835	4.865

#5	4.954	4.952	4.835	4.879	23.60	4.865	4.893
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.881	4.934	4.957	4.926	4.878	4.949	4.913
SDev	.027	.047	.062	.018	.056	.062	.015
%RSD	.5492	.9622	1.250	.3647	1.143	1.257	.3148
#1	4.872	4.974	5.013	4.914	4.832	4.937	4.929
#2	4.913	4.901	4.943	4.908	4.828	4.930	4.908
#3	4.854	4.967	5.012	4.953	4.898	4.969	4.923
#4	4.859	4.867	4.862	4.935	4.869	4.870	4.889
#5	4.905	4.959	4.954	4.920	4.964	5.040	4.917
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Zn2138
Units	ppm
Avge	4.975
SDev	.036
%RSD	.7191
#1	5.002
#2	4.956
#3	5.007
#4	4.922
#5	4.988
Errors	QC Pass
Value	5.000
Range	10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11035	--	--	--	--	--	--
SDev	131.8811	--	--	--	--	--	--
%RSD	1.195108	--	--	--	--	--	--
#1	11008	--	--	--	--	--	--
#2	11190	--	--	--	--	--	--
#3	10922	--	--	--	--	--	--
#4	11154	--	--	--	--	--	--
#5	10901	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB20825 Operator: DQ
Run Time: 08/25/95 11:21:19

Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0301	.0051	.0011	.0000	-.0553	.0020
SDev	.0011	.0155	.0060	.0007	.0004	.0080	.0011
%RSD	115.3	51.67	118.9	63.56	925.2	14.38	58.00
#1	.0002	.0161	.0033	.0005	.0000	-.0578	.0028
#2	.0021	.0118	.0016	.0015	-.0006	-.0571	.0028
#3	.0001	.0338	.0140	.0002	.0001	-.0662	.0007
#4	.0002	.0417	-.0015	.0015	.0000	-.0503	.0028
#5	.0022	.0471	.0078	.0015	.0007	-.0453	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0034	.0025	.0023	.5339	.0210	.0006
SDev	.0028	.0017	.0013	.0015	.5375	.0180	.0005
%RSD	119.6	49.52	53.88	62.83	100.7	85.87	82.23
#1	.0011	.0011	.0017	.0039	.0692	.0110	.0000
#2	.0035	.0033	.0033	.0019	H1.150	.0495	.0004
#3	-.0009	.0033	.0014	.0010	-.0109	.0055	.0009
#4	.0016	.0035	.0016	.0010	.4256	.0110	.0014
#5	.0066	.0059	.0045	.0039	H1.035	.0277	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0358	-.0057	.0017	.0184	.0330	.0122	.0018
SDev	.0179	.0023	.0078	.0042	.0187	.0203	.0018
%RSD	49.89	40.50	451.4	22.84	56.83	165.9	95.12
#1	.0069	-.0072	-.0001	.0172	.0527	.0337	.0008
#2	.0555	-.0063	.0120	.0166	.0099	.0011	.0034
#3	.0346	-.0041	.0025	.0241	.0289	-.0101	-.0006
#4	.0408	-.0027	-.0097	.0132	.0219	.0025	.0035
#5	.0413	-.0084	.0041	.0209	.0515	.0338	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0018
SDev	.0010
%RSD	53.62
#1	.0017

#2	.0004
#3	.0016
#4	.0023
#5	.0029

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10727	--	--	--	--	--	--
SDev	119.0207	--	--	--	--	--	--
%RSD	1.109576	--	--	--	--	--	--
#1	10608	--	--	--	--	--	--
#2	10830	--	--	--	--	--	--
#3	10877	--	--	--	--	--	--
#4	10650	--	--	--	--	--	--
#5	10668	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0874006I Operator: DQ
Run Time: 08/25/95 13:21:42
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	1228.	.2495	.0082	.0010	4.461	.0008
SDev	.0020	4.	.3940	.0004	.0003	.062	.0015
%RSD	366.5	.3410	157.9	5.063	33.51	1.385	191.0
#1	-.0007	1234.	.5275	.0077	.0013	4.431	.0030
#2	.0013	1224.	.6229	.0078	.0013	4.372	.0008
#3	.0035	1224.	.1195	.0086	.0007	4.480	.0008
#4	-.0018	1228.	.3433	.0084	.0007	4.490	.0008
#5	.0004	1227.	-.3658	.0084	.0013	4.534	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0132	.0044	.4208	.5126	.7217	.0364
SDev	.0014	.0016	.0016	.0051	.4163	.0151	.0018
%RSD	141.7	12.40	35.76	1.211	81.23	2.089	4.888
#1	-.0004	-.0147	.0031	.4239	.1285	.7381	.0390
#2	.0006	-.0136	.0027	.4123	.2515	.7240	.0368
#3	.0001	-.0110	.0059	.4240	.9321	.7029	.0356
#4	.0016	-.0147	.0040	.4198	.2537	.7098	.0366
#5	.0032	-.0121	.0061	.4241	.9970	.7336	.0341

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.57	-.0024	-.0462	.0459	.0264	.0815	.0081
SDev	.11	.0040	.0224	.0601	.0449	.0305	.0016

%RSD	.7321	163.9	48.55	131.0	170.3	37.43	19.79
#1	15.76	.0027	-.0259	.0889	-.0219	.0947	.0093
#2	15.59	-.0026	-.0847	.1089	.0917	.0411	.0062
#3	15.48	-.0082	-.0396	-.0002	.0320	.0576	.0091
#4	15.52	-.0033	-.0429	.0641	-.0094	.1111	.0064
#5	15.49	-.0008	-.0380	-.0325	.0395	.1032	.0093

Elem	Zn2138
Units	ppm
Avge	.0251
SDev	.0008
%RSD	3.298
#1	.0253
#2	.0256
#3	.0244
#4	.0241
#5	.0261

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10354	--	--	--	--	--	--
SDev	159.0969	--	--	--	--	--	--
%RSD	1.536646	--	--	--	--	--	--
#1	10234	--	--	--	--	--	--
#2	10603	--	--	--	--	--	--
#3	10410	--	--	--	--	--	--
#4	10307	--	--	--	--	--	--
#5	10215	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0874007H Operator: DQ
Run Time: 08/25/95 13:25:45
Comment: 6010 DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	13.27	-.0057	.3855	.0012	6.808	.0017
SDev	.0014	.04	.0253	.0015	.0003	.066	.0012
%RSD	691.3	.3348	444.7	.3845	24.67	.9639	69.98
#1	-.0011	13.33	.0132	.3857	.0013	6.751	.0009
#2	-.0011	13.29	-.0175	.3871	.0013	6.730	.0008
#3	.0021	13.22	.0038	.3850	.0013	6.846	.0030
#4	.0011	13.27	-.0442	.3863	.0013	6.886	.0031
#5	-.0000	13.24	.0163	.3832	.0007	6.826	.0008

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.0061	.0117	9.733	93.11	2.256	.0801
SDev	.0012	.0017	.0017	.037	.27	.024	.0009
%RSD	24.46	27.97	14.50	.3754	.2873	1.042	1.116

#1	.0049	.0052	.0118	9.711	93.34	2.256	.0809
#2	.0048	.0049	.0094	9.687	92.77	2.260	.0796
#3	.0043	.0063	.0137	9.741	93.10	2.225	.0811
#4	.0065	.0089	.0128	9.784	93.40	2.291	.0801
#5	:0033	.0050	.0106	9.743	92.93	2.249	.0790

Elem	Na5889	N12316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.253	.0099	.0240	.0043	-.0017	.0498	.0589
SDev	.007	.0080	.0233	.0140	.0247	.0144	.0017
%RSD	.5470	81.03	96.94	323.1	1415.	28.84	2.941

#1	1.253	.0056	.0288	.0139	.0132	.0360	.0603
#2	1.249	.0110	-.0073	.0183	-.0138	.0489	.0562
#3	1.256	.0126	.0474	-.0062	.0244	.0734	.0598
#4	1.261	-.0006	.0432	-.0145	-.0382	.0498	.0601
#5	1.243	.0209	.0081	.0102	.0057	.0410	.0582

Elem	Zn2138
Units	ppm
Avge	.0344
SDev	.0018
%RSD	5.103

#1	.0333
#2	.0320
#3	.0350
#4	.0354
#5	.0364

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10138	--	--	--	--	--	--
SDev	85.53171	--	--	--	--	--	--
%RSD	.8436943	--	--	--	--	--	--
#1	10047	--	--	--	--	--	--
#2	10268	--	--	--	--	--	--
#3	10134	--	--	--	--	--	--
#4	10079	--	--	--	--	--	--
#5	10161	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV30825 Operator: DQ
Run Time: 08/25/95 13:29:52
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	A13082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9791	4.888	4.936	4.827	4.998	4.928	4.913
SDev	.0041	.022	.027	.013	.007	.056	.041
%RSD	.4213	.4546	.5460	.2781	.1462	1.131	.8429

#1	.9835	4.868	4.954	4.812	4.993	5.014	4.961
#2	.9792	4.917	4.971	4.833	4.999	4.903	4.906
#3	.9723	4.879	4.924	4.847	4.999	4.863	4.850
#4	.9807	4.907	4.925	4.820	5.009	4.936	4.935
#5	.9794	4.871	4.903	4.821	4.989	4.926	4.915

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.938	4.928	4.856	4.877	Q22.92	4.918	4.895
SDev	.035	.026	.020	.016	.22	.047	.029
%RSD	.7029	.5225	.4198	.3339	.9637	.9534	.5860
#1	4.984	4.959	4.831	4.899	Q22.99	4.965	4.934
#2	4.931	4.923	4.865	4.877	Q23.27	4.945	4.886
#3	4.888	4.889	4.877	4.854	Q22.77	4.850	4.855
#4	4.951	4.939	4.870	4.875	Q22.85	4.890	4.902
#5	4.937	4.929	4.837	4.880	Q22.71	4.941	4.897

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.889	4.952	4.948	4.899	4.877	4.925	4.926
SDev	.040	.024	.061	.027	.052	.061	.014
%RSD	.8168	.4779	1.242	.5454	1.069	1.248	.2879
#1	4.837	4.993	5.051	4.883	4.900	4.848	4.944
#2	4.931	4.943	4.936	4.895	4.846	4.988	4.926
#3	4.915	4.948	4.892	4.866	4.816	4.873	4.908
#4	4.907	4.943	4.912	4.919	4.953	4.969	4.934
#5	4.858	4.933	4.948	4.932	4.871	4.949	4.916

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Zn2138
Units	ppm
Avge	4.960
SDev	.036
%RSD	.7208
#1	5.006
#2	4.946
#3	4.909
#4	4.971
#5	4.968

Errors	QC Pass
Value	5.000
Range	5.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10920	--	--	--	--	--	--
SDev	106.3389	--	--	--	--	--	--
%RSD	.9738170	--	--	--	--	--	--
#1	10899	--	--	--	--	--	--
#2	10991	--	--	--	--	--	--
#3	11057	--	--	--	--	--	--
#4	10786	--	--	--	--	--	--
#5	10866	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB30825 Operator: DQ
Run Time: 08/25/95 13:33:56
Comment: 6010 SOILS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0209	-.0063	.0010	.0003	-.0256	.0036
SDev	.0022	.0107	.0106	.0005	.0007	.0048	.0023
%RSD	163.8	51.50	167.6	43.79	234.2	18.86	65.51
#1	.0001	.0034	.0019	.0005	.0001	-.0315	.0027
#2	.0021	.0247	-.0215	.0008	.0000	-.0246	.0048
#3	.0031	.0235	.0008	.0015	.0013	-.0192	H.0069
#4	-.0019	.0203	-.0133	.0008	-.0006	-.0234	.0028
#5	.0032	.0324	.0007	.0015	.0007	-.0291	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0024	.0016	.0021	.4797	.0307	.0007
SDev	.0024	.0016	.0013	.0028	.3525	.0175	.0003
%RSD	282.4	67.69	80.40	132.4	73.49	57.10	35.52
#1	-.0009	.0008	-.0006	.0009	.1867	.0435	.0008
#2	-.0019	.0033	.0015	.0019	.3882	.0055	.0004
#3	.0040	.0009	.0024	.0047	.9899	.0330	.0009
#4	.0006	.0021	.0024	-.0018	.1573	.0494	.0004
#5	.0026	.0046	.0025	.0048	.6761	.0221	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0490	-.0016	.0110	.0136	.0269	.0094	.0013
SDev	.0095	.0037	.0173	.0095	.0251	.0134	.0012

%RSD	19.48	230.3	157.2	70.30	93.13	141.4	93.27
#1	.0429	-.0043	-.0074	.0125	-.0006	-.0119	.0007
#2	.0423	-.0051	.0076	.0129	.0021	.0144	.0008
#3	.0655	.0004	.0347	.0281	.0553	.0058	.0034
#4	.0484	.0038	-.0018	.0013	.0339	.0226	.0007
#5	.0459	-.0028	.0219	.0130	.0439	.0163	.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0031
SDev	.0015
%RSD	48.03
#1	.0006
#2	.0033
#3	.0039
#4	.0046
#5	.0034
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10845	--	--	--	--	--	--
SDev	97.45747	--	--	--	--	--	--
%RSD	.8986694	--	--	--	--	--	--
#1	11005	--	--	--	--	--	--
#2	10799	--	--	--	--	--	--
#3	10834	--	--	--	--	--	--
#4	10840	--	--	--	--	--	--
#5	10745	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK0824 Operator: DQ
Run Time: 08/25/95 13:40:08
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0480	-.0246	.0004	.0008	-.0352	.0022
SDev	.0033	.0162	.0189	.0009	.0003	.0038	.0025
%RSD	208.4	33.72	76.64	220.2	37.57	10.73	114.8
#1	H.0069	.0702	.0025	.0016	.0013	-.0403	.0031
#2	.0003	.0514	-.0381	.0001	.0007	-.0379	.0030
#3	.0003	.0457	-.0329	.0005	.0007	-.0321	.0009

#4	-.0019	.0249	-.0128	-.0010	.0007	-.0316	-.0013
#5	.0024	.0476	-.0418	.0009	.0007	-.0343	H.0053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0015	.0011	.0033	.5752	.0241	.0004
SDev	.0028	.0019	.0012	.0019	.4734	.0186	.0003
%RSD	635.3	124.1	107.2	58.73	82.30	77.03	70.07
#1	.0039	.0042	.0025	.0054	H1.271	.0471	.0002
#2	.0017	.0014	.0012	.0022	.4668	.0169	.0002
#3	.0006	.0015	.0012	.0022	.3994	.0404	.0007
#4	-.0036	-.0011	-.0008	.0013	-.0081	.0051	.0002
#5	-.0004	.0015	.0013	.0053	.7469	.0110	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0586	-.0068	.0209	.0262	.0084	.0430	.0011
SDev	.0170	.0060	.0190	.0146	.0223	.0052	.0012
%RSD	29.06	88.72	90.80	55.87	266.0	12.06	105.9
#1	.0811	-.0027	H.0504	.0443	.0401	.0464	.0023
#2	.0578	-.0007	.0230	.0267	.0162	.0369	-.0006
#3	.0521	-.0139	.0232	.0349	.0094	.0402	.0023
#4	.0353	-.0126	.0040	.0063	-.0193	.0416	.0008
#5	.0667	-.0042	.0041	.0187	-.0044	.0500	.0008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0149
SDev	.0011
%RSD	7.593
#1	.0162
#2	.0159
#3	.0137
#4	.0146
#5	.0139
Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10063	--	--	--	--	--	--
SDev	93.01685	--	--	--	--	--	--
%RSD	.9243745	--	--	--	--	--	--
#1	9903	--	--	--	--	--	--
#2	10136	--	--	--	--	--	--
#3	10119	--	--	--	--	--	--
#4	10085	--	--	--	--	--	--
#5	10070	--	--	--	--	--	--

Method: 1995_3PT Sample Name: PBLK2824 Operator: DQ
Run Time: 08/25/95 13:44:11
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0686	-.0047	.0011	.0007	-.0330	.0022
SDev	.0026	.0047	.0251	.0007	.0007	.0078	.0020
%RSD	129.3	6.810	530.4	61.25	99.82	23.58	89.70
#1	.0036	.0633	.0157	.0016	.0013	-.0403	.0031
#2	.0003	.0690	-.0249	.0009	-.0000	-.0329	.0009
#3	-.0008	.0647	-.0376	.0005	.0007	-.0412	.0008
#4	.0014	.0717	.0181	.0005	.0000	-.0257	H.0053
#5	H.0057	.0745	.0050	.0020	.0013	-.0248	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0018	.0015	.0035	.7265	.0170	.0008
SDev	.0021	.0021	.0017	.0022	.4250	.0196	.0004
%RSD	385.8	119.6	113.5	63.34	58.50	114.7	51.80
#1	-.0010	.0015	.0034	.0053	.9568	.0348	.0007
#2	.0007	.0003	.0004	.0023	.5709	.0170	.0002
#3	-.0015	.0014	.0001	.0012	.1441	-.0123	.0006
#4	.0006	.0002	.0002	.0022	.6825	.0110	.0012
#5	.0038	.0053	.0033	.0063	H1.278	.0347	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0593	.0014	.0230	.0212	.0139	.0356	.0014
SDev	.0189	.0029	.0219	.0173	.0426	.0075	.0024
%RSD	31.83	199.4	94.98	81.44	307.2	21.15	167.9

#1	.0701	.0008	H.0541	.0438	.0184	.0321	.0023
#2	.0415	.0046	.0201	-.0018	-.0149	.0426	.0009
#3	.0464	.0016	-.0066	.0142	.0486	.0242	-.0006
#4	.0516	-.0030	.0185	.0186	-.0421	.0409	-.0006
#5	.0871	.0032	.0290	.0312	.0594	.0383	H.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	H.0480
SDev	.0013
%RSD	2.677

#1	H.0471
#2	H.0483
#3	H.0463
#4	H.0493
#5	H.0491

Errors	LC High
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10053	--	--	--	--	--	--
SDev	101.9260	--	--	--	--	--	--
%RSD	1.013923	--	--	--	--	--	--
#1	9995	--	--	--	--	--	--
#2	9933	--	--	--	--	--	--
#3	10198	--	--	--	--	--	--
#4	10102	--	--	--	--	--	--
#5	10034	--	--	--	--	--	--

Method: 1995_3PT Sample Name: LCSW0824 Operator: DQ
Run Time: 08/25/95 13:48:15
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.950	2.090	3.907	2.002	2.043	19.83	1.933
SDev	.006	.026	.038	.002	.002	.07	.012
%RSD	.2934	1.242	.9646	.1093	.0836	.3422	.6300
#1	1.958	2.123	3.888	2.005	2.046	19.82	1.944
#2	1.945	2.101	3.917	2.001	2.041	19.80	1.936
#3	1.946	2.052	3.853	2.002	2.043	19.79	1.932
#4	1.955	2.087	3.925	2.000	2.043	19.95	1.940
#5	1.948	2.085	3.951	2.000	2.043	19.81	1.913

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	4.800	2.400	2.400	24.00	2.400
Low	1.600	1.600	3.200	1.600	1.600	16.00	1.600

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.978	2.001	1.994	1.992	19.31	20.29	1.987
SDev	.006	.009	.006	.002	.33	.10	.005
%RSD	.3153	.4669	.3200	.1117	1.686	.4698	.2467
#1	1.977	2.003	2.004	1.996	19.71	20.37	1.990
#2	1.972	2.005	1.996	1.990	19.57	20.28	1.984
#3	1.974	1.985	1.994	1.991	18.91	20.41	1.982
#4	1.988	2.010	1.987	1.992	19.12	20.18	1.994
#5	1.981	2.003	1.991	1.992	19.25	20.23	1.987

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2.400	2.400	2.400	2.400	24.00	24.00	2.400
Low	1.600	1.600	1.600	1.600	16.00	16.00	1.600

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.14	1.962	1.975	3.897	3.958	3.956	1.903
SDev	.06	.009	.035	.020	.061	.112	.004
%RSD	.2762	.4769	1.765	.5220	1.546	2.823	.1970
#1	20.19	1.967	2.034	3.890	4.054	3.798	1.907
#2	20.10	1.948	1.963	3.919	3.900	3.942	1.904
#3	20.19	1.958	1.951	3.883	3.974	3.934	1.903
#4	20.06	1.971	1.976	3.874	3.913	4.001	1.902
#5	20.15	1.967	1.950	3.918	3.950	4.105	1.897

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	24.00	2.400	2.400	4.800	4.800	4.800	2.400
Low	16.00	1.600	1.600	3.200	3.200	3.200	1.600

Elem	Zn2138
Units	ppm
Avge	1.972
SDev	.006
%RSD	.3283
#1	1.975
#2	1.963
#3	1.969
#4	1.980
#5	1.972

Errors	LC Pass
High	2.400
Low	1.600

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--

Wavlen	371.030	--	--	--	--	--	--
Avge	10044	--	--	--	--	--	--
SDev	108.6319	--	--	--	--	--	--
%RSD	1.081595	--	--	--	--	--	--
#1	9877	--	--	--	--	--	--
#2	10099	--	--	--	--	--	--
#3	10064	--	--	--	--	--	--
#4	10012	--	--	--	--	--	--
#5	10166	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0872901E Operator: DQ
Run Time: 08/25/95 13:52:18
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	1.343	.0008	.0895	.0009	53.84	.0031
SDev	.0016	.013	.0117	.0008	.0004	.45	.0032
%RSD	174.9	1.000	1521.	.9227	38.70	.8351	103.2
#1	.0026	1.361	.0169	.0905	.0007	54.00	.0077
#2	.0024	1.334	-.0124	.0895	.0013	53.06	.0030
#3	-.0008	1.349	.0042	.0894	.0007	53.90	-.0013
#4	-.0008	1.344	-.0089	.0882	.0007	54.20	.0031
#5	.0014	1.326	.0041	.0900	.0013	54.04	.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0028	.0056	.0072	4.886	13.40	.0029
SDev	.0012	.0034	.0017	.0014	.562	.05	.0005
%RSD	88.22	119.5	30.68	20.08	11.49	.4019	17.12
#1	.0012	.0069	.0058	.0058	5.358	13.48	.0037
#2	.0011	.0026	.0071	.0084	5.065	13.35	.0024
#3	.0022	.0002	.0044	.0086	4.207	13.40	.0030
#4	-.0004	-.0011	.0033	.0076	4.378	13.42	.0025
#5	.0028	.0053	.0073	.0055	5.423	13.36	.0030

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	144.8	-.0036	.0172	.0213	.0026	.0837	.0078
SDev	.6	.0051	.0088	.0075	.0371	.0283	.0024
%RSD	.3858	139.0	51.05	35.01	1447.	33.84	30.53
#1	145.2	-.0037	.0207	.0238	.0413	.1253	.0097
#2	145.5	.0028	.0308	.0223	.0246	.0671	.0093
#3	144.8	-.0102	.0134	.0188	.0212	.0973	.0052
#4	144.2	-.0005	.0084	.0106	-.0401	.0760	.0052
#5	144.2	-.0066	.0128	.0310	-.0342	.0528	.0094

Elem	Zn2138
Units	ppm
Avge	.0494
SDev	.0016

%RSD	3.150
#1	.0512
#2	.0470
#3	.0493
#4	.0492
#5	.0503

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10029	--	--	--	--	--	--
SDev	159.8914	--	--	--	--	--	--
%RSD	1.594329	--	--	--	--	--	--
#1	9783	--	--	--	--	--	--
#2	10226	--	--	--	--	--	--
#3	10022	--	--	--	--	--	--
#4	10030	--	--	--	--	--	--
#5	10083	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0872902E Operator: DQ
Run Time: 08/25/95 13:56:21
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.7000	-.0062	.1431	.0007	71.47	.0009
SDev	.0013	.0169	.0159	.0009	.0005	.31	.0016
%RSD	174.5	2.410	255.6	.6245	70.79	.4343	178.0
#1	.0004	.7072	.0184	.1440	.0007	71.55	-.0013
#2	-.0030	.6993	-.0251	.1433	.0013	71.14	.0009
#3	-.0008	.6854	-.0067	.1439	-.0000	71.34	.0009
#4	.0003	.6835	-.0133	.1418	.0007	71.37	.0009
#5	-.0008	.7245	-.0044	.1427	.0007	71.96	.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0034	.0272	.0248	4.925	15.27	.0097
SDev	.0014	.0015	.0007	.0005	.254	.02	.0002
%RSD	183.6	42.79	2.568	2.060	5.148	.1273	2.285
#1	.0029	.0030	.0266	.0255	5.206	15.28	.0097
#2	-.0010	.0028	.0278	.0248	4.822	15.24	.0100
#3	.0006	.0054	.0268	.0248	5.133	15.25	.0099
#4	.0001	.0015	.0268	.0248	4.575	15.28	.0095
#5	.0012	.0042	.0282	.0240	4.887	15.29	.0096

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	172.6	-.0060	.0219	.0051	.0037	.0747	.0058
SDev	.4	.0100	.0136	.0147	.0226	.0161	.0009
%RSD	.2201	168.1	62.12	289.3	604.2	21.58	14.72

#1	173.0	-.0174	.0367	.0155	.0049	.0815	.0068
#2	172.7	.0094	.0044	.0024	-.0186	.0733	.0052
#3	172.6	-.0028	.0142	.0066	.0129	.0518	.0052
#4	172.7	-.0089	.0341	-.0183	.0361	.0707	.0052
#5	172.0	-.0101	.0201	.0193	-.0165	.0959	.0067

Elem	Zn2138
Units	ppm
Avge	.4609
SDev	.0026
%RSD	.5605
#1	.4628
#2	.4585
#3	.4603
#4	.4586
#5	.4643

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	9919	--	--	--	--	--	--
SDev	101.2920	--	--	--	--	--	--
%RSD	1.021146	--	--	--	--	--	--
#1	9752	--	--	--	--	--	--
#2	9981	--	--	--	--	--	--
#3	9991	--	--	--	--	--	--
#4	9979	--	--	--	--	--	--
#5	9894	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0873701A Operator: DQ
Run Time: 08/25/95 14:00:27
Comment: 200.7 WATERS
Mode: CONC Corr. Factor: 1

X 20

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0455	-.0185	.4754	.0001	189.6	.0008
SDev	.0027	.0155	.0152	.0025	.0005	1.7	.0015
%RSD	125.2	34.05	82.20	.5248	360.9	.8878	188.3
#1	.0024	.0331	-.0274	.4767	.0007	189.9	.0008
#2	-.0018	.0289	-.0258	.4787	.0000	187.9	.0008
#3	.0035	.0675	-.0311	.4722	.0000	191.4	.0030
#4	.0056	.0456	.0064	.4739	.0007	191.0	.0008
#5	.0013	.0524	-.0146	.4758	-.0006	187.8	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0033	.0322	.1720	142.8	12.36	.0028
SDev	.0026	.0019	.0018	.0109	.5	.03	.0003
%RSD	360.1	58.83	5.473	6.358	.3373	.2177	11.42

#1	.0011	.0050	.0305	.1650	143.2	12.41	.0027
#2	-.0020	.0012	.0310	.1602	142.0	12.34	.0032
#3	.0027	.0052	.0331	.1678	143.0	12.36	.0028
#4	.0037	.0039	.0348	.1822	143.1	12.34	.0028
#5	-.0020	.0013	.0315	.1849	142.7	12.37	.0023

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	T11908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1213.	.0014	.0119	.0172	.0037	.0854	.0011
SDev	5.	.0057	.0247	.0182	.0076	.0097	.0021
%RSD	.4339	403.0	207.2	105.8	206.2	11.36	186.0
#1	1218.	.0072	-.0076	-.0094	.0118	.0921	.0008
#2	1217.	-.0000	-.0131	.0104	-.0047	.0691	-.0020
#3	1209.	-.0031	.0275	.0191	-.0037	.0845	.0037
#4	1206.	.0075	.0460	.0392	.0101	.0884	.0022
#5	1213.	-.0045	.0069	.0268	.0051	.0929	.0008

Elem	Zn2138
Units	ppm
Avge	.0466
SDev	.0015
%RSD	3.188
#1	.0461
#2	.0453
#3	.0488
#4	.0475
#5	.0455

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10309	--	--	--	--	--	--
SDev	106.4042	--	--	--	--	--	--
%RSD	1.032180	--	--	--	--	--	--
#1	10340	--	--	--	--	--	--
#2	10459	--	--	--	--	--	--
#3	10172	--	--	--	--	--	--
#4	10253	--	--	--	--	--	--
#5	10320	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0877701A Operator: DQ
Run Time: 08/25/95 14:04:45
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

120
45e rerun
Straight

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	1.428	-.0013	.0169	-.0004	4.763	.0027
SDev	.0021	.014	.0148	.0008	.0003	.043	.0029
%RSD	85.30	1.006	1165.	4.923	63.99	.8926	105.8
#1	.0005	1.444	.0208	.0170	-.0005	4.800	.0047

#2	.0055	1.409	.0005	.0180	-.0005	4.813	.0007
#3	.0025	1.417	-.0023	.0159	.0001	4.739	.0047
#4	.0034	1.437	-.0207	.0175	-.0005	4.711	.0047
#5	.0005	1.435	-.0046	.0164	-.0005	4.751	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0034	.0057	1.312	1.081	.9092	.0213
SDev	.0027	.0019	.0011	.006	.434	.0309	.0002
%RSD	120.8	57.58	18.94	.4310	40.20	3.398	1.054
#1	-.0009	.0020	.0061	1.318	.7682	.9064	.0212
#2	.0044	.0067	.0070	1.313	1.835	.9611	.0216
#3	.0015	.0032	.0051	1.303	.8551	.8980	.0211
#4	.0054	.0031	.0042	1.311	1.056	.9016	.0215
#5	.0005	.0019	.0059	1.316	.8895	.8787	.0213

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.276	.0001	.0022	.0109	.0165	.0050	.0040
SDev	.025	.0072	.0096	.0084	.0202	.0100	.0012
%RSD	1.086	5717.	432.7	77.11	122.4	201.3	30.01
#1	2.250	.0013	.0097	-.0003	.0288	.0152	.0034
#2	2.265	.0102	.0143	.0223	-.0186	.0130	.0061
#3	2.282	-.0087	-.0085	.0072	.0239	-.0075	.0034
#4	2.315	-.0043	.0003	.0147	.0302	-.0035	.0034
#5	2.266	.0021	-.0048	.0108	.0181	.0078	.0034

Elem	Zn2138
Units	ppm
Avge	.0066
SDev	.0003
%RSD	5.228
#1	.0064
#2	.0071
#3	.0063
#4	.0069
#5	.0066

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11016	--	--	--	--	--	--
SDev	60.73529	--	--	--	--	--	--
%RSD	.5513471	--	--	--	--	--	--
#1	10969	--	--	--	--	--	--
#2	10964	--	--	--	--	--	--
#3	11005	--	--	--	--	--	--
#4	11028	--	--	--	--	--	--
#5	11114	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0882301A Operator: DQ
Run Time: 08/25/95 14:08:55
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0065	.0050	.0093	.0040	404.8	.0003
SDev	.0016	.0171	.0204	.0022	.0000	5.5	.0094
%RSD	58.22	261.3	412.2	23.30	.8572	1.367	3022.
#1	.0036	.0002	.0226	.0126	.0040	397.7	.0071
#2	.0022	.0112	-.0170	.0088	.0040	403.1	-.0013
#3	.0008	.0018	.0199	.0079	.0040	403.2	-.0069
#4	.0051	.0328	-.0176	.0071	.0041	412.5	-.0099
#5	.0022	-.0133	.0169	.0102	.0040	407.6	.0126

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0065	.0074	-.0585	591.3	1293.	-.0249
SDev	.0027	.0061	.0029	.0017	2.3	9.	.0004
%RSD	2401.	94.32	38.75	2.951	.3895	.6669	1.793
#1	-.0045	.0101	.0069	-.0585	594.3	1283.	-.0245
#2	.0009	.0019	.0067	-.0602	591.5	1290.	-.0247
#3	.0022	.0051	.0054	-.0590	592.2	1290.	-.0253
#4	.0016	.0152	.0123	-.0556	588.2	1306.	-.0255
#5	.0002	.0003	.0055	-.0592	590.1	1295.	-.0248

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3482.	-.0072	.0304	.0168	-.0130	-.2168	-.0002
SDev	43.	.0235	.0176	.0188	.0242	.0479	.0015
%RSD	1.244	325.4	57.86	111.8	186.5	22.12	691.6
#1	3513.	-.0357	.0458	-.0104	.0207	-.2636	-.0006
#2	3484.	-.0187	.0075	.0156	-.0065	-.2255	-.0024
#3	3434.	-.0111	.0443	.0103	-.0217	-.2413	.0012
#4	3535.	.0267	.0158	.0374	-.0114	-.1372	.0013
#5	3444.	.0027	.0385	.0312	-.0460	-.2163	-.0006

Elem	Zn2138
Units	ppm
Avge	.0898
SDev	.0011
%RSD	1.221
#1	.0886
#2	.0890
#3	.0909
#4	.0910
#5	.0895

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	7926	--	--	--	--	--	--
SDev	80.71593	--	--	--	--	--	--
%RSD	1.018323	--	--	--	--	--	--
#1	7901	--	--	--	--	--	--
#2	7971	--	--	--	--	--	--
#3	7994	--	--	--	--	--	--
#4	7796	--	--	--	--	--	--
#5	7969	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0882301A Operator: DQ
Run Time: 08/25/95 14:21:04
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0185	-.0003	.0009	.0000	20.96	.0020
SDev	.0018	.0162	.0197	.0004	.0000	.19	.0019
%RSD	185.9	87.65	7045.	41.34	18.20	.8979	93.28
#1	.0022	.0223	-.0314	.0012	.0000	20.86	-.0013
#2	.0012	.0218	-.0027	.0005	.0000	20.79	.0028
#3	-.0009	-.0085	.0003	.0012	.0000	20.84	.0028
#4	-.0008	.0355	.0116	.0005	.0000	21.21	.0029
#5	.0033	.0215	.0208	.0012	.0000	21.13	.0029

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0009	.0009	.0000	20.92	66.27	-.0013
SDev	.0022	.0028	.0011	.0014	.44	.48	.0004
%RSD	374.8	322.7	121.3	2884.	2.083	.7219	28.82
#1	.0011	.0023	.0007	.0014	21.32	65.85	-.0014
#2	-.0004	-.0001	-.0003	-.0015	20.54	65.76	-.0010
#3	-.0004	-.0026	.0006	.0003	20.55	66.24	-.0015
#4	-.0014	-.0000	.0009	-.0014	20.74	66.67	-.0019
#5	.0041	.0048	.0027	.0014	21.45	66.84	-.0010

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	517.7	-.0020	.0073	.0173	.0095	.0904	.0019
SDev	3.3	.0076	.0101	.0155	.0127	.0171	.0018
%RSD	.6469	388.9	138.8	89.64	134.2	18.93	95.57
#1	514.0	.0111	.0135	.0326	-.0089	.0845	.0021
#2	514.6	-.0038	-.0051	.0132	.0066	.0643	.0008
#3	518.4	-.0062	-.0013	-.0063	.0236	.0924	.0008
#4	521.7	-.0082	.0106	.0295	.0069	.1043	.0008
#5	519.9	-.0026	.0187	.0173	.0191	.1064	.0049

Elem	Zn2138
Units	ppm
Avge	.0061
SDev	.0015
%RSD	24.32

#1	.0054
#2	.0053
#3	.0044
#4	.0074
#5	.0078

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10622	--	--	--	--	--	--
SDev	119.7581	--	--	--	--	--	--
%RSD	1.127475	--	--	--	--	--	--
#1	10651	--	--	--	--	--	--
#2	10663	--	--	--	--	--	--
#3	10769	--	--	--	--	--	--
#4	10444	--	--	--	--	--	--
#5	10583	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0882302A Operator: DQ
Run Time: 08/25/95 14:25:10
Comment: 6010 MDL'S x_{20}
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0225	-.0074	.0011	.0004	20.70	-.0001
SDev	.0027	.0110	.0152	.0007	.0003	.19	.0038
%RSD	337.2	48.68	203.6	64.44	81.69	.9244	5685.
#1	-.0029	.0325	-.0014	.0002	.0000	20.66	-.0013
#2	.0032	.0054	-.0180	.0015	.0000	20.52	-.0034
#3	.0032	.0195	-.0284	.0008	.0007	20.61	.0049
#4	.0013	.0314	.0073	.0019	.0007	21.02	.0029
#5	-.0009	.0237	.0034	.0008	.0007	20.68	-.0034

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0013	.0023	.0023	20.92	66.26	-.0013
SDev	.0015	.0024	.0015	.0016	.64	.71	.0004
%RSD	155.6	183.3	68.71	69.68	3.072	1.066	30.64
#1	-.0009	-.0014	-.0003	.0014	19.89	65.44	-.0019
#2	.0011	.0034	.0025	.0051	21.10	65.58	-.0010
#3	.0016	.0023	.0026	.0014	21.40	66.48	-.0014
#4	.0032	-.0012	.0039	.0025	21.47	66.96	-.0009
#5	.0001	.0035	.0026	.0014	20.74	66.82	-.0014

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	520.0	-.0022	.0065	.0149	-.0032	.0872	.0005
SDev	6.2	.0021	.0112	.0082	.0243	.0144	.0018
%RSD	1.189	99.58	172.6	55.12	751.7	16.56	345.8

#1	512.3	-.0039	-.0054	.0208	-.0328	.0800	-.0019
#2	515.0	-.0016	-.0054	.0015	-.0022	.0722	-.0006
#3	521.6	.0008	.0182	.0132	.0309	.0816	.0021
#4	524.0	-.0046	.0111	.0218	-.0184	.1094	.0022
#5	527.0	-.0015	.0139	.0172	.0063	.0927	.0008

Elem	Zn2138
Units	ppm
Avge	-.0010
SDev	.0019
%RSD	195.6
#1	-.0027
#2	-.0019
#3	.0012
#4	.0010
#5	-.0023

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10609	--	--	--	--	--	--
SDev	129.9239	--	--	--	--	--	--
%RSD	1.224685	--	--	--	--	--	--
#1	10701	--	--	--	--	--	--
#2	10707	--	--	--	--	--	--
#3	10640	--	--	--	--	--	--
#4	10389	--	--	--	--	--	--
#5	10607	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0882303A Y_{2_b} Operator: DQ
Run Time: 08/25/95 14:29:29
Comment: 6010 MDL'S
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0174	-.0134	.0004	.0002	20.74	.0008
SDev	.0017	.0099	.0155	.0004	.0003	.09	.0030
%RSD	427.9	56.92	116.0	89.63	181.0	.4272	385.4
#1	.0012	.0117	-.0239	.0005	.0007	20.69	-.0013
#2	-.0008	.0045	-.0326	-.0002	.0000	20.65	.0050
#3	.0023	.0212	-.0114	.0005	.0000	20.72	.0029
#4	-.0019	.0306	.0073	.0005	.0000	20.88	-.0013
#5	.0012	.0187	-.0063	.0009	.0000	20.74	-.0013

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0000	-.0001	-.0023	20.14	64.92	-.0015
SDev	.0011	.0012	.0000	.0000	.24	.12	.0004
%RSD	368.3	3659.	30.29	.5485	1.213	.1856	27.50
#1	-.0004	.0012	-.0002	-.0023	20.12	64.87	-.0018

#2	.0001	-.0012	-.0001	-.0023	19.76	65.12	-.0018
#3	.0016	-.0013	-.0002	-.0023	20.37	64.83	-.0009
#4	-.0009	.0012	-.0001	-.0023	20.10	64.96	-.0013
#5	.0011	-.0000	-.0001	-.0023	20.33	64.83	-.0014

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	507.1	-.0027	.0084	.0112	.0021	.1152	.0011
SDev	1.7	.0047	.0173	.0226	.0143	.0142	.0018
%RSD	.3332	177.3	205.2	202.3	680.5	12.36	168.5

#1	508.2	-.0013	-.0182	.0213	.0059	.1129	.0022
#2	509.5	-.0047	.0057	-.0220	-.0087	.1159	-.0020
#3	506.2	.0045	.0100	.0293	.0072	.1037	.0008
#4	505.2	-.0082	.0156	.0296	.0212	.1389	.0022
#5	506.7	-.0036	.0290	-.0022	-.0151	.1046	.0022

Elem	Zn2138
Units	ppm
Avge	.0007
SDev	.0009
%RSD	123.7

#1	.0019
#2	-.0001
#3	.0005
#4	-.0000
#5	.0013

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10480	--	--	--	--	--	--
SDev	42.18630	--	--	--	--	--	--
%RSD	.4025318	--	--	--	--	--	--
#1	10522	--	--	--	--	--	--
#2	10462	--	--	--	--	--	--
#3	10508	--	--	--	--	--	--
#4	10416	--	--	--	--	--	--
#5	10493	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV40825 Operator: DQ
Run Time: 08/25/95 14:35:34
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9822	4.906	4.973	4.865	5.029	4.970	4.920
SDev	.0026	.007	.015	.006	.012	.011	.018
%RSD	.2627	.1370	.3093	.1194	.2295	.2211	.3725
#1	.9788	4.903	4.978	4.876	5.028	4.965	4.905
#2	.9858	4.913	4.962	4.865	5.047	4.984	4.950

#3	.9825	4.911	4.976	4.862	5.031	4.966	4.916
#4	.9811	4.896	4.956	4.863	5.024	4.979	4.906
#5	.9827	4.904	4.995	4.861	5.016	4.957	4.921
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.958	4.951	4.895	4.918	Q23.37	4.914	4.919
SDev	.010	.012	.005	.006	.35	.033	.008
%RSD	.2015	.2449	.1077	.1176	1.516	.6655	.1528
#1	4.955	4.933	4.891	4.911	Q22.97	4.892	4.922
#2	4.970	4.965	4.904	4.915	23.82	4.920	4.929
#3	4.965	4.957	4.897	4.927	Q23.29	4.872	4.918
#4	4.955	4.945	4.893	4.920	Q23.12	4.934	4.915
#5	4.945	4.956	4.892	4.918	Q23.64	4.954	4.909
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.930	4.957	4.994	4.936	4.935	4.969	4.952
SDev	.020	.023	.014	.040	.028	.042	.002
%RSD	.4144	.4548	.2873	.8063	.5579	.8546	.0477
#1	4.901	4.940	4.996	4.892	4.919	4.926	4.950
#2	4.950	4.926	4.977	4.906	4.969	5.032	4.954
#3	4.940	4.977	5.016	4.991	4.944	4.992	4.955
#4	4.916	4.964	4.988	4.958	4.897	4.946	4.951
#5	4.941	4.975	4.995	4.932	4.945	4.950	4.949
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Zn2138
Units	ppm
Avge	4.962
SDev	.010
%RSD	.1960
#1	4.952
#2	4.974
#3	4.971
#4	4.959
#5	4.955
Errors	QC Pass
Value	5.000
Range	5.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11013	--	--	--	--	--	--
SDev	44.23004	--	--	--	--	--	--
%RSD	.4015991	--	--	--	--	--	--
#1	11074	--	--	--	--	--	--
#2	10950	--	--	--	--	--	--
#3	11021	--	--	--	--	--	--
#4	11003	--	--	--	--	--	--
#5	11019	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB40825 Operator: DQ
Run Time: 08/25/95 14:39:41
Comment: 200.7
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0296	-.0031	.0005	-.0001	-.0266	.0028
SDev	.0014	.0127	.0052	.0004	.0005	.0030	.0015
%RSD	184.5	43.14	170.1	83.38	693.9	11.37	53.06
#1	.0021	.0332	.0049	-.0002	.0000	-.0290	.0028
#2	.0001	.0157	-.0052	.0005	-.0006	-.0293	.0007
#3	.0001	.0354	-.0009	.0008	.0007	-.0218	.0027
#4	.0022	.0459	-.0054	.0008	.0000	-.0264	.0028
#5	-.0009	.0175	-.0086	.0005	-.0006	-.0264	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0005	.0015	.0010	.2500	.0198	.0002
SDev	.0021	.0014	.0014	.0007	.2359	.0084	.0003
%RSD	244.7	278.0	94.63	68.31	94.37	42.23	106.8
#1	-.0014	-.0002	-.0004	.0019	.4323	.0275	-.0000
#2	-.0014	.0009	.0014	.0000	.1811	.0219	-.0001
#3	.0020	.0009	.0013	.0009	.2022	.0219	.0004
#4	.0031	.0022	.0035	.0010	.5173	.0221	.0005
#5	.0021	-.0014	.0015	.0010	-.0830	.0055	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0788	-.0020	.0139	.0182	.0068	.0120	.0002
SDev	.0094	.0079	.0117	.0130	.0073	.0153	.0015
%RSD	11.94	397.4	84.33	71.74	107.0	127.4	706.7

#1	.0772	-.0142	.0258	.0282	.0148	.0359	.0007
#2	.0816	.0037	-.0022	.0279	.0026	-.0057	-.0006
#3	.0846	-.0053	.0248	.0240	-.0036	.0102	.0007
#4	.0872	.0052	.0084	.0131	.0106	.0056	.0021
#5	.0633	.0006	.0127	-.0024	.0095	.0139	-.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0010
SDev	.0014
%RSD	142.9

#1	.0011
#2	.0002
#3	.0015
#4	.0029
#5	-.0008

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10812	--	--	--	--	--	--
SDev	92.31764	--	--	--	--	--	--
%RSD	.8538190	--	--	--	--	--	--
#1	10808	--	--	--	--	--	--
#2	10891	--	--	--	--	--	--
#3	10917	--	--	--	--	--	--
#4	10700	--	--	--	--	--	--
#5	10746	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 0877701A Operator: DQ
Run Time: 08/25/95 14:44:19
Comment: 200.7 WARERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	28.67	-.0137	.3251	.0026	94.36	.0004
SDev	.0026	.04	.0281	.0022	.0005	1.24	.0029
%RSD	182.0	.1529	204.6	.6688	17.96	1.315	664.9
#1	.0005	28.69	.0078	.3267	.0033	93.47	.0009
#2	.0006	28.61	-.0106	.3274	.0026	92.92	-.0013
#3	.0006	28.64	-.0625	.3256	.0026	94.68	-.0035
#4	-.0005	28.68	-.0053	.3230	.0020	94.60	.0030

#5	.0060	28.72	.0019	.3225	.0027	96.13	.0031

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0114	.0331	.0210	25.83	7.253	17.69	.4137
SDev	.0022	.0009	.0012	.17	.721	.06	.0040
%RSD	19.35	2.780	5.720	.6407	9.936	.3527	.9626
#1	.0091	.0343	.0203	25.74	6.854	17.64	.4123
#2	.0089	.0320	.0196	25.63	6.600	17.62	.4089
#3	.0133	.0328	.0211	25.88	7.156	17.75	.4136
#4	.0127	.0326	.0210	25.82	7.188	17.74	.4141
#5	.0131	.0336	.0228	26.07	8.469	17.72	.4198

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	44.34	.0181	.0413	-.0101	.0126	.0999	.0508
SDev	.25	.0084	.0189	.0116	.0146	.0299	.0025
%RSD	.5722	46.37	45.78	114.9	116.1	29.96	4.920
#1	44.72	.0153	.0321	.0010	.0136	.0997	.0499
#2	44.47	.0297	.0143	-.0286	.0337	.1026	.0486
#3	44.25	.0138	.0460	-.0017	-.0075	.0815	.0496
#4	44.18	.0233	.0501	-.0097	.0116	.0685	.0508
#5	44.09	.0084	.0640	-.0116	.0116	.1473	.0550

Elem	Zn2138
Units	ppm
Avge	.0815
SDev	.0024
%RSD	2.973
#1	.0815
#2	.0779
#3	.0816
#4	.0819
#5	.0847

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10111	--	--	--	--	--	--
SDev	156.1169	--	--	--	--	--	--
%RSD	1.543957	--	--	--	--	--	--
#1	10049	--	--	--	--	--	--
#2	10330	--	--	--	--	--	--
#3	10114	--	--	--	--	--	--
#4	10162	--	--	--	--	--	--
#5	9903	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 872901ES Operator: DQ
Run Time: 08/25/95 14:48:40

Comment: 200.7 WARERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9459	2.285	1.922	1.063	.9832	62.23	.9520
SDev	.0065	.014	.011	.004	.0014	.45	.0103
%RSD	.6835	.6135	.5461	.4132	.1401	.7200	1.078
#1	.9490	2.303	1.929	1.065	.9845	62.14	.9415
#2	.9351	2.277	1.930	1.064	.9845	61.81	.9475
#3	.9516	2.290	1.906	1.057	.9813	62.83	.9676
#4	.9486	2.290	1.930	1.061	.9824	62.55	.9468
#5	.9450	2.267	1.917	1.069	.9833	61.83	.9566

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9613	.9679	.9718	.9654	14.43	22.88	.9634
SDev	.0029	.0071	.0024	.0044	.62	.08	.0038
%RSD	.2996	.7333	.2494	.4512	4.317	.3670	.3970
#1	.9607	.9692	.9725	.9641	14.99	22.84	.9630
#2	.9572	.9625	.9711	.9689	13.71	22.87	.9597
#3	.9637	.9781	.9703	.9660	15.16	23.02	.9684
#4	.9644	.9696	.9695	.9692	14.26	22.85	.9660
#5	.9604	.9599	.9757	.9586	14.03	22.81	.9598

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	147.3	.9550	.9547	1.858	1.946	1.987	.9289
SDev	.7	.0125	.0196	.041	.014	.039	.0058
%RSD	.4685	1.312	2.053	2.218	.6939	1.944	.6263
#1	147.5	.9648	.9398	1.814	1.931	1.972	.9297
#2	147.9	.9600	.9444	1.841	1.934	1.929	.9218
#3	146.3	.9669	.9887	1.879	1.953	2.030	.9349
#4	147.0	.9442	.9533	1.919	1.951	1.994	.9340
#5	147.9	.9393	.9474	1.837	1.963	2.009	.9242

Elem	Zn2138
Units	ppm
Avge	.9948
SDev	.0064
%RSD	.6388
#1	.9945
#2	.9863
#3	.9990
#4	1.003
#5	.9917

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10061	--	--	--	--	--	--
SDev	85.24125	--	--	--	--	--	--

%RSD	.8472847	--	--	--	--	--	--
#1	9965	--	--	--	--	--	--
#2	10113	--	--	--	--	--	--
#3	10018	--	--	--	--	--	--
#4	10027	--	--	--	--	--	--
#5	10180	--	--	--	--	--	--

Method: 1995_3PT Sample Name: 872901EK Operator: DQ
Run Time: 08/25/95 14:52:48
Comment: 200.7 WARERS
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9413	2.282	1.906	1.066	.9771	61.37	.9389
SDev	.0033	.013	.019	.004	.0015	.25	.0053
%RSD	.3548	.5829	.9766	.3649	.1574	.4016	.5674
#1	.9448	2.262	1.893	1.071	.9795	61.48	.9384
#2	.9367	2.282	1.934	1.065	.9769	60.98	.9305
#3	.9425	2.299	1.914	1.060	.9753	61.64	.9440
#4	.9391	2.278	1.887	1.066	.9768	61.33	.9429
#5	.9434	2.287	1.901	1.067	.9769	61.43	.9386

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9485	.9569	.9741	.9577	14.32	22.79	.9547
SDev	.0055	.0043	.0022	.0041	.57	.06	.0037
%RSD	.5819	.4491	.2234	.4284	3.973	.2775	.3827
#1	.9491	.9605	.9756	.9581	13.60	22.82	.9580
#2	.9408	.9507	.9754	.9522	13.87	22.75	.9496
#3	.9557	.9606	.9704	.9611	14.95	22.86	.9584
#4	.9509	.9543	.9751	.9550	14.71	22.71	.9533
#5	.9462	.9582	.9741	.9620	14.45	22.83	.9539

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	148.0	.9361	.9456	1.861	1.936	1.954	.9217
SDev	.6	.0083	.0245	.017	.029	.041	.0030
%RSD	.3941	.8817	2.587	.9395	1.477	2.086	.3213
#1	148.7	.9260	.9488	1.842	1.910	1.993	.9259
#2	148.4	.9415	.9085	1.846	1.947	1.936	.9187
#3	147.2	.9331	.9625	1.868	1.970	1.919	.9234
#4	147.9	.9471	.9371	1.864	1.953	1.920	.9209
#5	147.7	.9327	.9711	1.885	1.903	2.003	.9195

Elem	Zn2138
Units	ppm
Avge	.9852
SDev	.0033
%RSD	.3391
#1	.9881

#2	.9800
#3	.9844
#4	.9851
#5	.9881

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10111	--	--	--	--	--	--
SDev	88.19424	--	--	--	--	--	--
%RSD	.8722396	--	--	--	--	--	--
#1	9975	--	--	--	--	--	--
#2	10131	--	--	--	--	--	--
#3	10080	--	--	--	--	--	--
#4	10186	--	--	--	--	--	--
#5	10185	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSAF825 Operator: DQ
Run Time: 08/25/95 15:00:17
Comment: 200.7
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	503.4	.1252	.0015	.0008	472.5	-.0047
SDev	.0012	.8	.0704	.0014	.0003	3.0	.0024
%RSD	24.83	.1669	56.26	91.23	35.40	.6359	50.68
#1	-.0031	503.9	.2087	.0022	.0007	477.2	-.0034
#2	-.0053	504.5	.0626	-.0009	.0007	469.7	-.0055
#3	-.0063	502.6	.1110	.0015	.0007	470.3	-.0076
#4	-.0055	503.5	.1878	.0022	.0013	471.7	-.0013
#5	-.0046	502.6	.0557	.0026	.0007	473.3	-.0055
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	-.0093	.0049	174.4	.2420	505.2	.0154
SDev	.0015	.0028	.0012	.7	.3740	1.6	.0005
%RSD	22.36	29.59	24.16	.4212	154.6	.3205	3.513
#1	.0071	-.0067	.0039	175.6	.1599	507.8	.0151
#2	.0041	-.0127	.0038	174.0	.0209	504.6	.0147
#3	.0066	-.0115	.0056	173.8	-.0889	503.4	.0160
#4	.0076	-.0091	.0047	174.3	.2480	505.3	.0158
#5	.0076	-.0066	.0066	174.2	.8700	504.7	.0152
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.0		500.0	
Range				20.00		20.00	

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0264	-.0079	-.0098	-.0764	.0676	.2019	.0004
SDev	.0124	.0112	.0195	.0112	.0216	.0237	.0011
%RSD	46.76	141.0	198.9	14.68	31.96	11.74	300.7
#1	.0415	.0042	.0018	-.0676	.0467	.1928	.0002
#2	.0223	-.0233	-.0330	-.0946	.0461	.1689	-.0013
#3	.0081	-.0073	-.0279	-.0668	.0973	.2002	.0001
#4	.0315	-.0141	.0114	-.0777	.0753	.2315	.0014
#5	.0288	.0008	-.0012	-.0754	.0725	.2160	.0014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138
Units	ppm
Avge	.0148
SDev	.0007
%RSD	5.016
#1	.0145
#2	.0142
#3	.0141
#4	.0156
#5	.0155
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10651	--	--	--	--	--	--
SDev	36.37156	--	--	--	--	--	--
%RSD	.3414875	--	--	--	--	--	--
#1	10631	--	--	--	--	--	--
#2	10678	--	--	--	--	--	--
#3	10700	--	--	--	--	--	--
#4	10631	--	--	--	--	--	--
#5	10615	--	--	--	--	--	--

Method: 1995_3PT Sample Name: ICSABF25 Operator: DQ
Run Time: 08/25/95 15:04:20
Comment: 200.7
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9387	501.4	.0758	.4816	.4702	475.3	.9214
SDev	.0032	1.2	.1241	.0015	.0012	2.1	.0087
%RSD	.3456	.2295	163.8	.3065	.2496	.4467	.9411

#1	.9378	500.0	.1069	.4819	.4693	475.8	.9243
#2	.9425	502.3	-.0785	.4796	.4709	477.1	.9144
#3	.9375	502.0	-.0278	.4818	.4708	476.7	.9188
#4	.9412	502.5	.1745	.4812	.4715	474.9	.9352
#5	.9343	500.4	.2038	.4837	.4687	471.8	.9146
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	500.0		.5000	.5000	500.0	1.000
Range	20.00	20.00		20.00	20.00	20.00	20.00
Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4495	.4427	.4894	174.3	.5462	504.2	.4665
SDev	.0046	.0036	.0010	.5	.2980	1.5	.0013
%RSD	1.012	.8122	.2096	.3118	54.56	.2978	.2696
#1	.4465	.4424	.4896	174.1	.3905	503.4	.4680
#2	.4534	.4470	.4884	174.8	1.040	505.2	.4661
#3	.4540	.4372	.4906	174.8	.5901	505.2	.4676
#4	.4503	.4445	.4902	174.4	.4343	505.2	.4656
#5	.4433	.4424	.4883	173.5	.2761	501.9	.4651
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.5000	.5000	.5000	200.0		500.0	.5000
Range	20.00	20.00	20.00	20.00		20.00	20.00
Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0286	.8627	.9107	-.0598	.0589	.2159	.4663
SDev	.0110	.0156	.0369	.0315	.0333	.0386	.0019
%RSD	38.59	1.811	4.047	52.63	56.57	17.86	.4180
#1	.0355	.8705	.9181	-.0241	.0411	.1869	.4685
#2	.0335	.8610	.9686	-.1093	.0676	.2364	.4665
#3	.0153	.8840	.8696	-.0643	.0221	.2636	.4677
#4	.0184	.8425	.8936	-.0560	.0532	.2251	.4651
#5	.0402	.8555	.9036	-.0454	.1105	.1676	.4637
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		1.000	1.000				.5000
Range		20.00	20.00				20.00

Elem	Zn2138
Units	ppm
Avge	.9369
SDev	.0044
%RSD	.4650
#1	.9360
#2	.9394
#3	.9423
#4	.9363
#5	.9306
Errors	QC Pass
Value	1.000

Range 20.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10649	--	--	--	--	--	--
SDev	88.87307	--	--	--	--	--	--
%RSD	.8345360	--	--	--	--	--	--
#1	10679	--	--	--	--	--	--
#2	10600	--	--	--	--	--	--
#3	10574	--	--	--	--	--	--
#4	10602	--	--	--	--	--	--
#5	10792	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCV50825 Operator: DQ
Run Time: 08/25/95 15:08:23
Comment: 6010
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9864	4.956	4.972	4.848	5.043	5.001	4.952
SDev	.0036	.017	.040	.011	.009	.033	.023
%RSD	.3678	.3392	.7949	.2341	.1776	.6677	.4665
#1	.9886	4.965	5.020	4.854	5.056	5.013	4.945
#2	.9810	4.961	4.918	4.855	5.037	4.958	4.915
#3	.9889	4.956	4.955	4.850	5.046	4.989	4.960
#4	.9892	4.972	4.999	4.828	5.034	5.049	4.973
#5	.9842	4.928	4.968	4.851	5.041	4.997	4.968
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.978	4.966	4.899	4.906	Q23.16	4.974	4.932
SDev	.018	.013	.011	.018	.22	.038	.012
%RSD	.3616	.2670	.2293	.3743	.9531	.7560	.2414
#1	4.970	4.966	4.909	4.908	Q23.24	4.949	4.936
#2	4.962	4.949	4.906	4.879	Q22.89	4.932	4.916
#3	4.989	4.968	4.898	4.905	Q22.97	4.999	4.927
#4	5.003	4.986	4.880	4.931	Q23.34	4.966	4.948
#5	4.964	4.963	4.901	4.909	Q23.38	5.025	4.931
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	25.00	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.927	4.966	4.975	4.961	4.963	4.992	4.957

SDev	.035	.025	.049	.031	.025	.033	.007
%RSD	.7116	.4968	.9916	.6264	.4991	.6609	.1491
#1	4.957	4.952	4.957	4.908	4.979	4.980	4.960
#2	4.951	4.983	4.920	4.960	4.927	5.009	4.947
#3	4.913	4.935	4.992	4.970	4.955	5.038	4.958
#4	4.872	4.997	5.050	4.981	4.991	4.981	4.967
#5	4.941	4.962	4.954	4.984	4.961	4.950	4.956
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Zn2138
Units	ppm
Avge	5.008
SDev	.018
%RSD	.3661
#1	5.014
#2	4.983
#3	5.004
#4	5.034
#5	5.005
Errors	QC Pass
Value	5.000
Range	5.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10777	--	--	--	--	--	--
SDev	45.42530	--	--	--	--	--	--
%RSD	.4214929	--	--	--	--	--	--
#1	10777	--	--	--	--	--	--
#2	10838	--	--	--	--	--	--
#3	10741	--	--	--	--	--	--
#4	10727	--	--	--	--	--	--
#5	10803	--	--	--	--	--	--

Method: 1995_3PT Sample Name: CCB50825 Operator: DQ
Run Time: 08/25/95 15:12:27
Comment: 200.7
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	Ba4934	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0263	-.0078	.0010	.0003	-.0225	.0036
SDev	.0022	.0209	.0125	.0006	.0003	.0029	.0019
%RSD	228.3	79.56	158.9	63.46	115.3	12.73	51.73
#1	.0011	.0278	-.0245	.0012	.0007	-.0219	.0028
#2	-.0029	-.0030	-.0177	.0002	.0001	-.0231	.0028

#3	.0022	.0418	-.0013	.0015	.0000	-.0224	.0028
#4	.0022	.0155	.0035	.0005	.0007	-.0185	.0028
#5	.0022	.0494	.0008	.0015	.0000	-.0266	H.0070

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.1000	.0050	.0030	.1000	.0050
Low	-.0050	-.1000	-.1000	-.0050	-.0030	-.1000	-.0050

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0020	.0013	.0052	.6021	.0210	.0002
SDev	.0024	.0026	.0011	.0034	.4157	.0148	.0003
%RSD	133.9	133.3	79.54	65.96	69.04	70.47	156.0

#1	.0030	.0022	.0024	.0010	.6418	.0276	-.0000
#2	-.0024	-.0014	-.0004	.0019	-.1153	-.0055	-.0000
#3	.0031	.0022	.0015	.0076	.9246	.0276	.0005
#4	.0021	.0010	.0016	.0076	.8430	.0277	-.0000
#5	.0031	.0058	.0016	.0077	.7164	.0277	.0005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0100	.0100	.0100	.0200	1.000	.1000	.0050
Low	-.0100	-.0100	-.0100	-.0200	-1.000	-.1000	-.0050

Elem	Na5889	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0535	-.0030	.0053	.0214	.0106	.0068	.0010
SDev	.0082	.0037	.0170	.0131	.0184	.0128	.0011
%RSD	15.34	122.1	320.5	60.87	173.6	189.3	109.5

#1	.0620	-.0018	.0123	.0398	.0046	.0292	.0008
#2	.0481	-.0063	-.0108	.0243	.0124	.0012	-.0006
#3	.0630	.0018	-.0148	.0131	-.0122	.0045	.0021
#4	.0477	-.0016	.0221	.0247	.0094	-.0023	.0021
#5	.0468	-.0073	.0178	.0054	.0387	.0012	.0008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.1000	.0200	.0500	.1000	.1000	.1000	.0050
Low	-.1000	-.0200	-.0500	-.1000	-.1000	-.1000	-.0050

Elem	Zn2138
Units	ppm
Avge	.0018
SDev	.0013
%RSD	72.63

#1	.0026
#2	.0018
#3	-.0001
#4	.0035
#5	.0015

Errors	LC Pass
High	.0200
Low	-.0200

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10752	--	--	--	--	--	--
SDev	59.15665	--	--	--	--	--	--
%RSD	.5502064	--	--	--	--	--	--
#1	10793	--	--	--	--	--	--
#2	10831	--	--	--	--	--	--
#3	10732	--	--	--	--	--	--
#4	10718	--	--	--	--	--	--
#5	10685	--	--	--	--	--	--

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CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9508720 IB

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1315-193	Minneapolis ANG IB SI	Minneapolis, Minnesota

	Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
✓	651-001MWA	8-17-95 1315	✓		1L Glass	Aqueous	HCl	TPH-DRO (WDNR mod.)	
✓			✓		1L Plastic		HNO_3	Total Lead (SW6010)	
✓			✓		3 40 ml VOA		HCl	TPH-GRO (WDNR mod.)	
✓			✓		3 40 ml VOA		HCl	VOCs (SW8240)	
✓	651-002MW	8-17-95 1015 R.C.	✓		1L Glass		HCl	TPH-DRO (WDNR mod.)	
✓			✓		1L Plastic		HNO_3	Total Lead (SW6010)	
✓			✓		3 40 ml VOA		HCl	TPH-GRO (WDNR mod.)	
✓			✓		3 40ml VOA		HCl	VOCs (SW8240)	
✓	Trip Blank	8-5-95			2 40ml VOA		HCl	VOCs (SW8240)	Trip Blank

Samplers: (Signature)	Relinquished by: (Signature)	Date: 8-17-95 Time: 1705	Received by: (Signature)	Date: 8/17/95 Time: 1705	Intact
Affiliation	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
OPTECH	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 4C
SAMPLER REMARKS:			Received for laboratory: (Signature)	Date: 8/18/95 Time: 0930	Laboratory No.
Seal # 1315-193 IB			Data Results to: Russ Casan - OPTECH (210) 731-0000		

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 8/18/95 TIME: 0930 CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 9508720

		YES	NO
1.	Is a Chain-of-Custody form present?	✓	
2.	Is the COC properly completed?	✓	
	If no, describe what is incomplete:		
	If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)		
3.	Is airbill/packing list/bill of lading with shipment? If yes, ID#:	✓	
4.	Is a USEPA Traffic Report present?		
5.	Is a USEPA SAS Packing List present?		✓
6.	Are custody seals present on the package?	✓	
	If yes, were they intact upon receipt?	✓	
7.	Are all samples tagged or labeled?	✓	
	Do the sample tags/labels match the COC?	✓	
	If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)	✓	
8.	Do all shipping documents agree? If no, describe what is in nonconformity:	✓	

9. Condition/temperature of shipping container: intact 4°C
10. Condition/temperature of sample bottles: Good
11. Sample Disposal?: SPL disposal ✓ Return to client _____

NOTES (reference item number if applicable): _____

ATTEST: E. Brown DATE: 8/18/95
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____

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