02.08-03/01/97-02294

FINAL

Contractor's Closeout Report for Sites 6 and 82 Source Removal Operable Unit No. 2 MCB Camp Lejeune Jacksonville, North Carolina

Volume VIII of IX

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-93-D-3032
Delivery Order 0032

Prepared by

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

5335 Triangle Parkway, Suite 450
Norcross, GA 30092

March 1997

OHM Project No. 15226

✓ ambient 02.08.01/97-02294

00117

Report Date : 23-Sep-1994 07:46 Page 1

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 22-SEP-94 15:48
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msc.i/c0922a94.b/8240newc.m
Cal Date : 23-Sep-1994 07:46 steve

Calibration File Names:
Level 1: /chem/msc.i/c0922a94.b/c9158.d
Level 2: /chem/msc.i/c0922a94.b/c9159.d
Level 3: /chem/msc.i/c0922a94.b/c9160.d
Level 4: /chem/msc.i/c0922a94.b/c9161.d
Level 5: /chem/msc.i/c0922a94.b/c9162.d

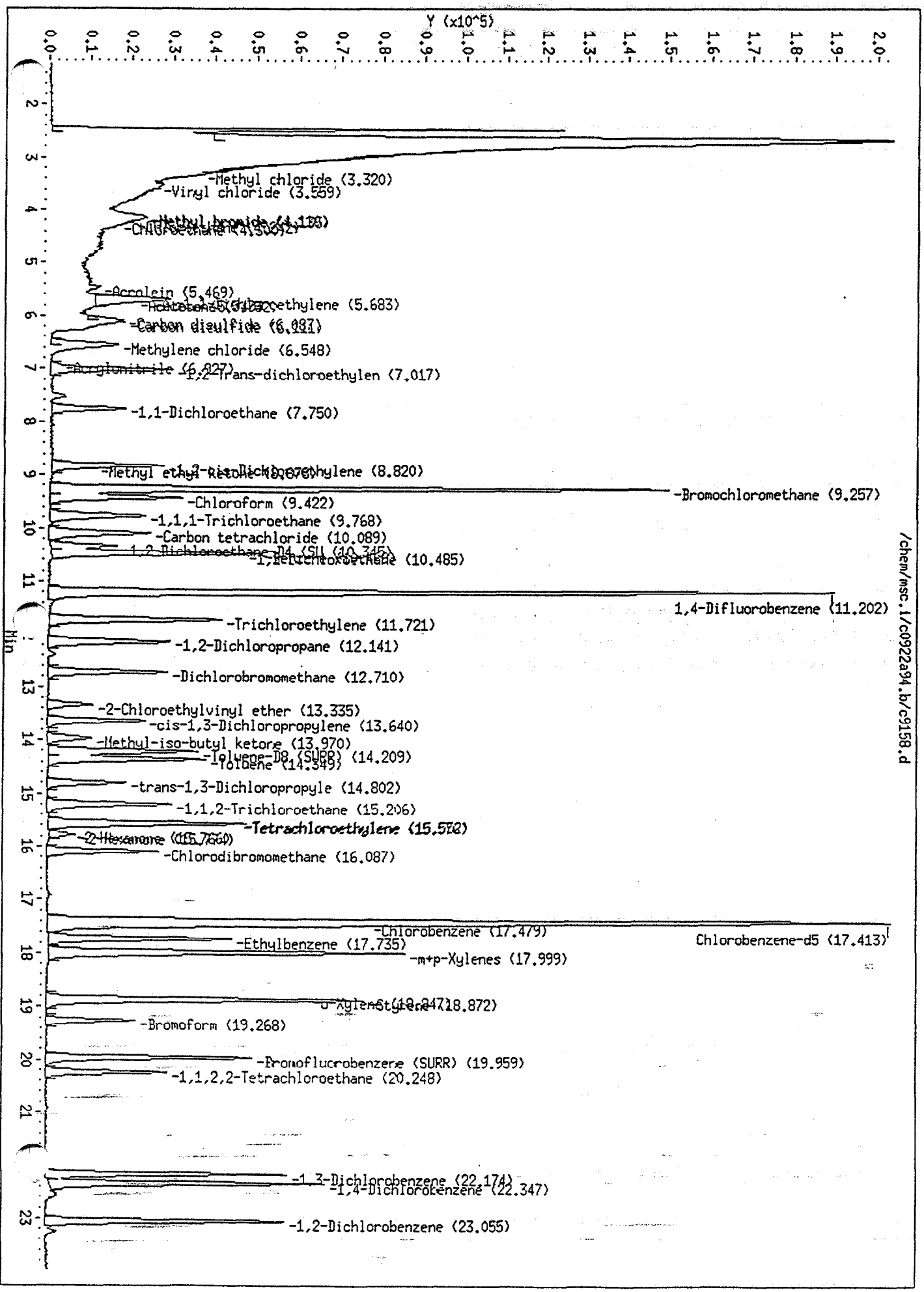
	10	20	50	100	200		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.60236	0.52845	0.56673	0.60606	0.59357	0.57944	5.589
2 Vinyl chloride	0.98826	1.01981	1.04765	1.04105	1.00181	1.01971	2.474
3 Methyl bromide	1.37143	1.36030	1.26390	1.22237	1.13507	1.27062	7.766
4 Chloroethane	0.64931	0.65489	0.57203	0.52096	0.51317	0.58207	11.654
5 Acrolein	0.07923	0.09903	0.09143	0.09439	0.07074	0.08696	13.407
6 1,1-Dichloroethylene	1.26975	1.28597	1.28155	1.25150	1.20650	1.25905	2.563
7 Acetone	0.29875	0.32135	0.25515	0.25099	0.21883	0.26901	15.166
8 Carbon disulfide	2.59818	2.93763	2.88981	2.91940	2.77811	2.82463	4.989
9 Methylene chloride	1.42765	1.32728	1.27354	1.23064	1.15659	1.28314	7.957
10 Acrylonitrile	0.19087	0.24956	0.22039	0.22734	0.20408	0.21845	10.281
11 1,2-Trans-dichloroethylene	1.33551	1.32801	1.33229	1.32357	1.26558	1.31699	2.209
12 1,1-Dichloroethane	2.27373	2.53485	2.44317	2.32752	2.24686	2.36523	5.119
13 1,2-cis-Dichloroethylene	1.40122	1.37423	1.41991	1.38555	1.33849	1.38388	2.214
14 Methyl ethyl ketone	0.01905	0.02435	0.02483	0.02238	0.02378	0.02287	10.181
16 Chloroform	2.91935	3.14559	3.03234	2.89806	2.54292	2.90765	7.794
17 1,1,1-Trichloroethane	0.55702	0.57386	0.57616	0.55090	0.52919	0.55743	3.429
18 Carbon tetrachloride	0.53912	0.57260	0.54620	0.52547	0.52781	0.54224	3.495
20 Benzene	0.82442	0.82026	0.81901	0.75660	0.73350	0.79076	5.383
21 1,2-Dichloroethane	1.81456	2.09387	2.01366	1.91647	1.81673	1.93106	6.352
23 Trichloroethylene	0.48111	0.48861	0.47879	0.45299	0.44198	0.46869	4.284
24 1,2-Dichloropropane	0.35576	0.38760	0.38447	0.36646	0.35392	0.36964	4.261
25 Dichlorobromomethane	0.59862	0.59997	0.64436	0.64782	0.60781	0.61972	3.931
26 2-Chloroethylvinyl ether	0.14950	0.17472	0.17937	0.17652	0.17791	0.17160	7.269
27 cis-1,3-Dichloropropylene	0.43804	0.47831	0.48650	0.48803	0.45169	0.46851	4.787
Methyl-iso-butyl ketone	0.45789	0.51586	0.50550	0.47665	0.45897	0.48297	5.512
30 Toluene	0.78002	0.78604	0.76945	0.74760	0.70887	0.75840	4.130
31 trans-1,3-Dichloropropylene	0.33326	0.39089	0.40441	0.40149	0.38560	0.38313	7.545

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 22-SEP-94 15:48
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msc.i/c0922a94.b/8240newc.m
Cal Date : 23-Sep-1994 07:46 steve

	10	20	50	100	200	___	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.32419	0.34994	0.34168	0.33465	0.31038	0.33217	4.641
33 Tetrachloroethylene	0.59080	0.57758	0.54973	0.52424	0.50044	0.54856	6.781
34 2-Hexanone	0.27604	0.32254	0.32865	0.30308	0.30310	0.30670	6.720
35 Chlorodibromomethane	0.49118	0.51096	0.55812	0.58145	0.56428	0.54120	7.069
37 Chlorobenzene	1.12160	1.12131	1.07775	1.03354	0.98691	1.06822	5.453
38 Ethylbenzene	0.50077	0.50322	0.48361	0.46557	0.44665	0.47996	5.001
9 m+p-Xylenes	0.60594	0.57297	0.57335	0.54324	0.52122	0.56334	5.743
40 o-Xylene	0.60654	0.60775	0.57803	0.54031	0.51310	0.56914	7.318
41 Styrene	0.84419	0.89608	0.88618	0.85081	0.83380	0.86221	3.168
42 Bromoform	0.30386	0.36468	0.41105	0.41084	0.41756	0.38160	12.666
44 1,1,2,2-Tetrachloroethane	0.65020	0.71760	0.69945	0.65703	0.62061	0.66898	5.851
45 1,3-Dichlorobenzene	1.00283	0.95674	0.92752	0.86662	0.82778	0.91630	7.630
46 1,4-Dichlorobenzene	1.14856	1.05047	1.06518	0.98268	0.96647	1.04267	6.980
47 1,2-Dichlorobenzene	1.00348	0.95830	0.92846	0.84127	0.81181	0.90866	8.833
$ 19 1,2-Dichloroethane-D4 (SURR)	1.36968	1.57504	1.51030	1.58166	1.49338	1.50601	5.678
$ 29 Toluene-D8 (SURR)	1.15654	1.15043	1.14222	1.20552	1.13291	1.15752	2.442
$ 43 Bromofluorobenzene (SURR)	0.87767	0.81797	0.82380	0.82889	0.79643	0.82895	3.608



Data File: /chem/msc.i/c0922a94.b/c9158.d

/chem/msc.i/c0922a94.b/c9158.d

Data File: /chem/msc.i/c0922a94.b/c9158.d
Report Date: 23-Sep-1994 07:29

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/msc.i/c0922a94.b/c9158.d
Lab. Id. :
Inj Date : 22-SEP-94 13:37
Operator : steve
Smp Info : cal. std. #1 10ppb
Misc Info : ambient
Comment :
Method : /chem/msc.i/c0922a94.b/8240newc.m
Meth Date : 23-Sep-1994 07:23
Cal Date : 22-SEP-94 13:37
Als bottle: 1
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i
Cal File: c9158.d
Calibration Sample, Level: 1
Target Version: Target 3.00
Compound Sublist: all.sub

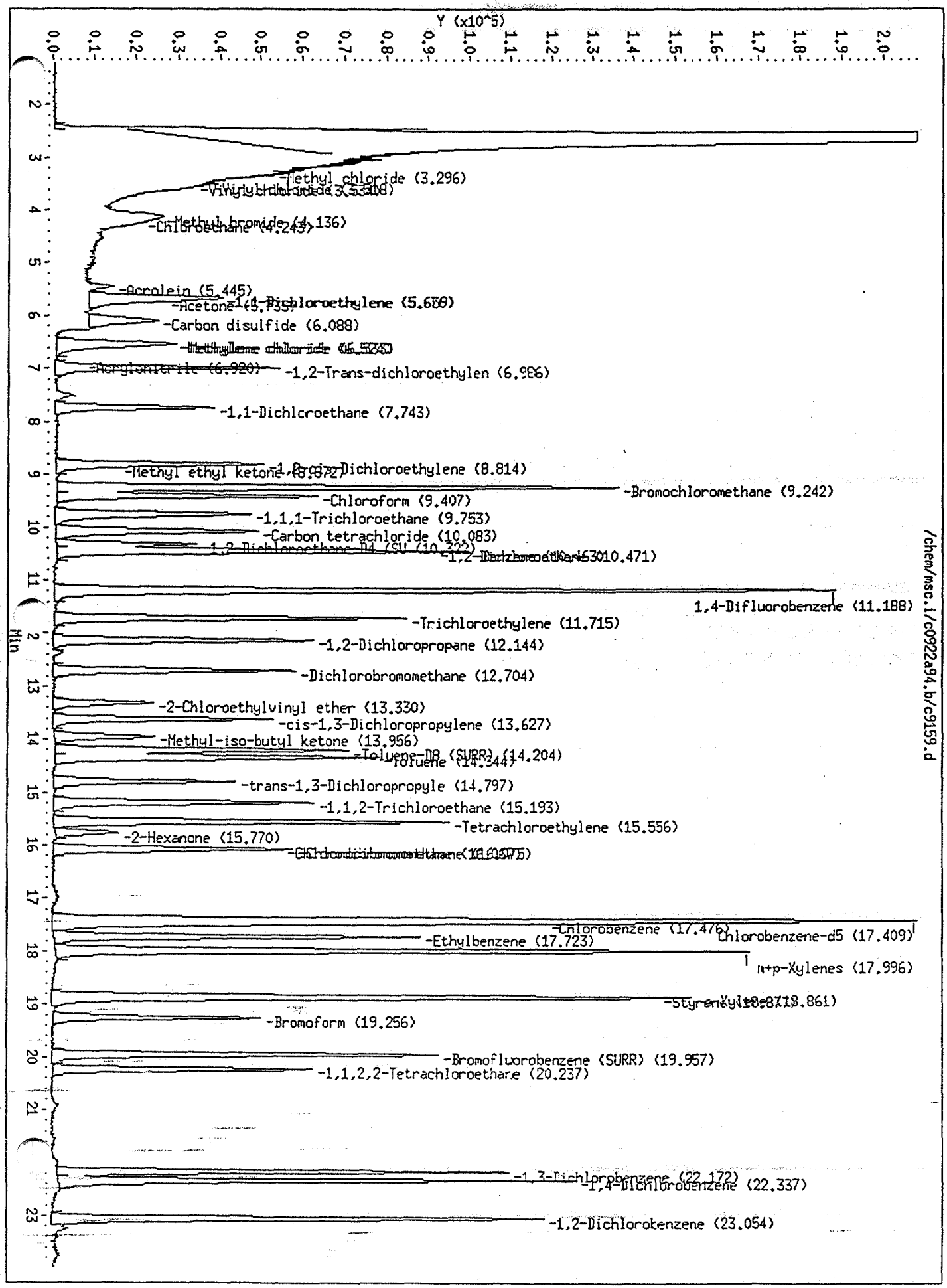
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methyl chloride	50.00	3.320	(0.358)	13062	11.6	11.6 (M)
2	Vinyl chloride	62.00	3.559	(0.384)	21430	12.6	12.6 (M)
3	Methyl bromide	94.00	4.135	(0.444)	29739	12.4	12.4 (M)
4	Chloroethane	64.00	4.300	(0.458)	14080	13.5	13.5 (M)
5	Acrolein	56.00	5.469	(0.000)	8659	50.4	50.4 (aM)
6	1,1-Dichloroethylene	96.00	5.683	(0.613)	27534	11.5	11.5 (M)
7	Acetone	43.00	5.732	(0.620)	6543	11.6	11.6 (aM)
8	Carbon disulfide	76.00	6.111	(0.657)	56904	10.9	10.9 (M)
9	Methylene chloride	84.00	6.548	(0.707)	30958	12.4	12.4 (M)
10	Acrylonitrile	53.00	6.927	(0.748)	4139	8.90	8.90 (aM)
11	1,2-Trans-dichloroethylene	96.00	7.017	(0.000)	28960	10.1	10.1 (M)
12	1,1-Dichloroethane	63.00	7.758	(0.837)	49305	9.61	9.61
13	1,2-cis-Dichloroethylene	96.00	8.820	(0.952)	30385	10.1	10.1
14	Methyl ethyl ketone	72.00	8.878	(0.000)	1619	8.61	8.61 (aM)
* 15	Bromochloromethane	128.00	9.265	(1.000)	108423	50.0	
16	Chloroform	83.00	9.422	(1.017)	63305	10.0	10.0
17	1,1,1-Trichloroethane	97.00	9.776	(0.873)	47348	9.99	9.99
18	Carbon tetrachloride	117.00	10.089	(0.901)	45826	9.94	9.94 (M)
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.336	(1.116)	29701	9.09	9.09
20	Benzene	78.00	10.469	(0.935)	70077	10.4	10.4
21	1,2-Dichloroethane	62.00	10.485	(1.132)	39348	9.60	9.60
* 22	1,4-Difluorobenzene	114.00	11.202	(1.000)	425008	50.0	
23	Trichloroethylene	130.00	11.729	(1.047)	40895	10.3	10.3
24	1,2-Dichloropropane	63.00	12.149	(1.085)	30240	9.62	9.62
25	Dichlorobromomethane	83.00	12.710	(1.135)	50884	9.66	9.66
	2-Chloroethylvinyl ether	63.00	13.335	(1.190)	12835	8.80	8.80 (a)
	cis-1,3-Dichloropropylene	75.00	13.640	(1.218)	37234	9.35	9.35
28	Methyl-iso-butyl ketone	43.00	13.970	(0.000)	28360	9.54	9.54 (aM)
$ 29	Toluene-D8 (SURR)	98.00	14.209	(0.816)	71632	9.99	9.99

Data File: /chem/msc.i/c0922a94.b/c9158.d
Report Date: 23-Sep-1994 07:29

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
30	Toluene	92.00	14.349	(0.824)	48312	10.3	10.3 (M)
31	trans-1,3-Dichloropropylene	75.00	14.802	(1.321)	28328	8.70	8.70 (M)
32	1,1,2-Trichloroethane	97.00	15.206	(1.357)	27557	9.76	9.76
33	Tetrachloroethylene	164.00	15.576	(0.893)	36592	10.8	10.8 (M)
34	2-Hexanone	43.00	15.766	(0.905)	17439	9.15	9.15 (aM)
35	Chlorodibromomethane	129.00	16.087	(1.436)	41751	9.93	9.93
* 36	Chlorobenzene-d5	117.00	17.413	(1.000)	309683	50.0	
37	Chlorobenzene	112.00	17.479	(1.004)	69468	10.5	10.5
38	Ethylbenzene	106.00	17.735	(1.018)	31016	10.4	10.4
39	m+p-Xylenes	106.00	17.991	(1.033)	75060	21.5	21.5
40	o-Xylene	106.00	18.847	(1.082)	37567	10.6	10.6 (M)
41	Styrene	104.00	18.880	(1.084)	52286	9.79	9.79
42	Bromoform	173.00	19.268	(0.000)	25829	7.96	7.96 (M)
$ 43	Bromofluorobenzene (SURR)	95.00	19.959	(1.146)	54360	10.6	10.6
44	1,1,2,2-Tetrachloroethane	83.00	20.248	(1.163)	40271	9.72	9.72
45	1,3-Dichlorobenzene	146.00	22.174	(1.273)	62112	10.9	10.9
46	1,4-Dichlorobenzene	146.00	22.347	(1.283)	71138	11.0	11.0 (M)
47	1,2-Dichlorobenzene	146.00	23.055	(1.324)	62152	11.0	11.0

Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.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23
-Methyl chloride (3.296)
-Chloroethane (4.243)
-Acrolein (5.445)
-Acetone (5.735)
-Carbon disulfide (6.088)
-1,2-Trans-dichloroethylen (6.986)
-1,1-Dichlcroethane (7.743)
-Methyl ethyl ketone (8.392)
-Bromochloromethane (9.242)
-Chloroform (9.407)
-1,1,1-Trichloroethane (9.753)
-Carbon tetrachloride (10.083)
1,4-Difluorobenzene (11.188)
-Trichloroethylene (11.715)
-1,2-Dichloropropane (12.144)
-Dichlorobromomethane (12.704)
-2-Chloroethylvinyl ether (13.330)
-cis-1,3-Dichloropropylene (13.627)
-Methyl-iso-butyl ketone (13.956)
-trans-1,3-Dichloropropyle (14.797)
-1,1,2-Trichloroethane (15.193)
-Tetrachloroethylene (15.556)
-2-Hexanone (15.770)
-Chlorobenzene (17.476)
Chlorobenzene-d5 (17.409)
-Ethylbenzene (17.723)
m+p-Xylenes (17.996)
-Bromoform (19.256)
-Bromofluorobenzene (SURR) (19.957)
-1,1,2,2-Tetrachloroethane (20.237)
-1,2-Dichlorobenzene (23.054)
Data File: /chem/msc.i/c0922a94.b/c9159.d
/chem/msc.i/c0922a94.b/c9159.d

Data File: /chem/msc.i/c0922a94.b/c9159.d
Report Date: 23-Sep-1994 07:36

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/msc.i/c0922a94.b/c9159.d
Lab. Id. :
Inj Date : 22-SEP-94 14:12
Operator : steve
Smp Info : cal. std. #2 20ppb
Misc Info : ambient
Comment :
Method : /chem/msc.i/c0922a94.b/8240newc.m
Meth Date : 23-Sep-1994 07:23
Cal Date : 22-SEP-94 14:12
Als bottle: 2
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i

Cal File: c9159.d
Calibration Sample, Level: 2
Target Version: Target 3.00
Compound Sublist: all.sub

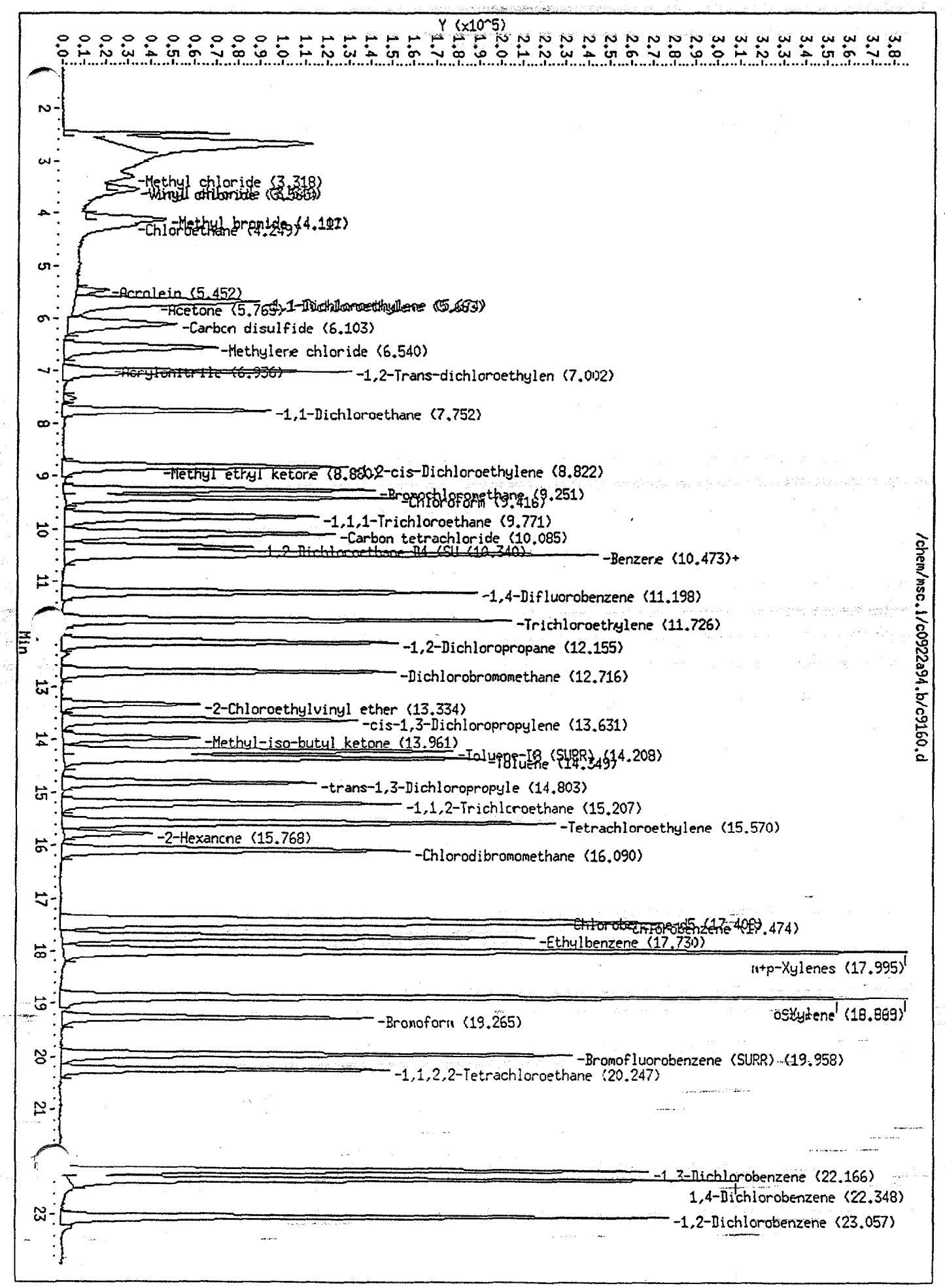
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.296	(0.357)	21095	18.9	18.9 (M)
	2 Vinyl chloride	62.00	3.534	(0.381)	40709	22.3	22.3 (M)
	3 Methyl bromide	94.00	4.136	(0.447)	54301	24.3	24.3 (M)
	4 Chloroethane	64.00	4.243	(0.459)	26142	25.0	25.0 (M)
	5 Acrolein	56.00	5.445	(0.000)	19924	112	112 (M)
	6 1,1-Dichloroethylene	96.00	5.676	(0.611)	51334	20.5	20.5 (M)
	7 Acetone	43.00	5.733	(0.620)	12956	24.6	24.6 (aM)
	8 Carbon disulfide	76.00	6.088	(0.659)	118438	21.1	21.1 (M)
	9 Methylene chloride	84.00	6.524	(0.706)	52983	20.7	20.7 (M)
	10 Acrylonitrile	53.00	6.920	(0.749)	9962	22.8	22.8 (aM)
	11 1,2-Trans-dichloroethylene	96.00	6.986	(0.756)	53012	20.2	20.2
	12 1,1-Dichloroethane	63.00	7.743	(0.838)	101187	21.4	21.4
	13 1,2-cis-Dichloroethylene	96.00	8.814	(0.954)	54857	19.9	19.9
	14 Methyl ethyl ketone	72.00	8.872	(0.793)	4100	21.3	21.3 (aM)
*	15 Bromochloromethane	128.00	9.242	(1.000)	99796	50.0	
	16 Chloroform	83.00	9.416	(1.019)	125567	21.6	21.6
	17 1,1,1-Trichloroethane	97.00	9.762	(0.873)	96644	20.6	20.6
	18 Carbon tetrachloride	117.00	10.083	(0.901)	96432	21.1	21.1
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.322	(1.117)	62873	20.9	20.9
	20 Benzene	78.00	10.454	(0.934)	138140	20.7	20.7
	21 1,2-Dichloroethane	62.00	10.471	(0.000)	83584	21.7	21.7 (M)
*	22 1,4-Difluorobenzene	114.00	11.188	(1.000)	421025	50.0	
	23 Trichloroethylene	130.00	11.715	(1.047)	82286	20.8	20.8
	24 1,2-Dichloropropane	63.00	12.136	(1.085)	65275	21.0	21.0
	25 Dichlorobromomethane	83.00	12.704	(1.136)	101041	19.4	19.4
	?-Chloroethylvinyl ether	63.00	13.322	(1.191)	29571	20.5	20.5
	cis-1,3-Dichloropropylene	75.00	13.627	(1.218)	80553	20.4	20.4
	28 Methyl-iso-butyl ketone	43.00	13.956	(0.000)	63657	21.1	21.1 (aM)
$	29 Toluene-D8 (SURR)	98.00	14.212	(0.817)	141963	19.9	19.9

Data File: /chem/msc.i/c0922a94.b/c9159.d
Report Date: 23-Sep-1994 07:36

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.344	(0.824)	96998	20.7	20.7
	31 trans-1,3-Dichloropropylene	75.00	14.789	(1.322)	65829	20.4	20.4
	32 1,1,2-Trichloroethane	97.00	15.193	(1.358)	58933	21.1	21.1
	33 Tetrachloroethylene	164.00	15.564	(0.894)	71274	21.0	21.0
	34 2-Hexanone	43.00	15.770	(0.906)	40598	21.4	21.4(a)
	35 Chlorodibromomethane	129.00	16.067	(1.436)	86051	18.9	18.9(M)
*	36 Chlorobenzene-d5	117.00	17.401	(1.000)	308501	50.0	
	37 Chlorobenzene	112.00	17.476	(1.004)	138370	21.0	21.0
	38 Ethylbenzene	106.00	17.732	(1.019)	62098	21.0	21.0
	39 m+p-Xylenes	106.00	17.996	(1.034)	141410	40.7	40.7
	40 o-Xylene	106.00	18.852	(1.083)	74996	21.4	21.4
	41 Styrene	104.00	18.877	(1.085)	110577	20.8	20.8
	42 Bromoform	173.00	19.256	(1.721)	61416	19.1	19.1
$	43 Bromofluorobenzene (SURR)	95.00	19.957	(1.147)	100938	19.7	19.7
	44 1,1,2,2-Tetrachloroethane	83.00	20.237	(1.163)	88552	21.4	21.4
	45 1,3-Dichlorobenzene	146.00	22.172	(1.274)	118062	20.9	20.9
	46 1,4-Dichlorobenzene	146.00	22.345	(1.284)	129628	20.1	20.1
	47 1,2-Dichlorobenzene	146.00	23.054	(1.325)	118255	21.1	21.1

Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.


Y (x10^5)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8
Min
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
-Methyl chloride (3.318)
-Vinyl chloride (3.588)
-Methyl bromide (4.101)
-Chloroethane (4.249)
-Acrolein (5.452)
-1,1-Dichloroethylene (5.693)
-Acetone (5.769)
-Carbon disulfide (6.103)
-Methylene chloride (6.540)
-Acrylonitrile (6.936)
-1,2-Trans-dichloroethylen (7.002)
-1,1-Dichloroethane (7.752)
-Methyl ethyl ketone (8.860)
-2-cis-Dichloroethylene (8.822)
-Bromochloromethane (9.251)
-Chloroform (9.416)
-1,1,1-Trichloroethane (9.771)
-Carbon tetrachloride (10.085)
-1,2-Dichloroethane-D4 (SU (10.340)
-Benzene (10.473)+
-1,4-Difluorobenzene (11.198)
-Trichloroethylene (11.726)
-1,2-Dichloropropane (12.155)
-Dichlorobromomethane (12.716)
-2-Chloroethylvinyl ether (13.334)
-cis-1,3-Dichloropropylene (13.631)
-Methyl-iso-butyl ketone (13.961)
-Toluene-D8 (SURR) (14.208)
-Toluene (14.349)
-trans-1,3-Dichloropropyle (14.803)
-1,1,2-Trichloroethane (15.207)
-Tetrachloroethylene (15.570)
-2-Hexanone (15.768)
-Chlorodibromomethane (16.090)
Chlorobenzene-d5 (17.408)
-Chlorobenzene (17.474)
-Ethylbenzene (17.730)
m+p-Xylenes (17.995)
oSXylene (18.889)
-Bromoform (19.265)
-Bromofluorobenzene (SURR) (19.958)
-1,1,2,2-Tetrachloroethane (20.247)
-1,3-Dichlorobenzene (22.166)
1,4-Dichlorobenzene (22.348)
-1,2-Dichlorobenzene (23.057)
Data File: /chem/msc.i/c0922a94.b/c9160.d
/chem/msc.i/c0922a94.b/c9160.d

Data File: /chem/msc.i/c0922a94.b/c9160.d
Report Date: 23-Sep-1994 07:39

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

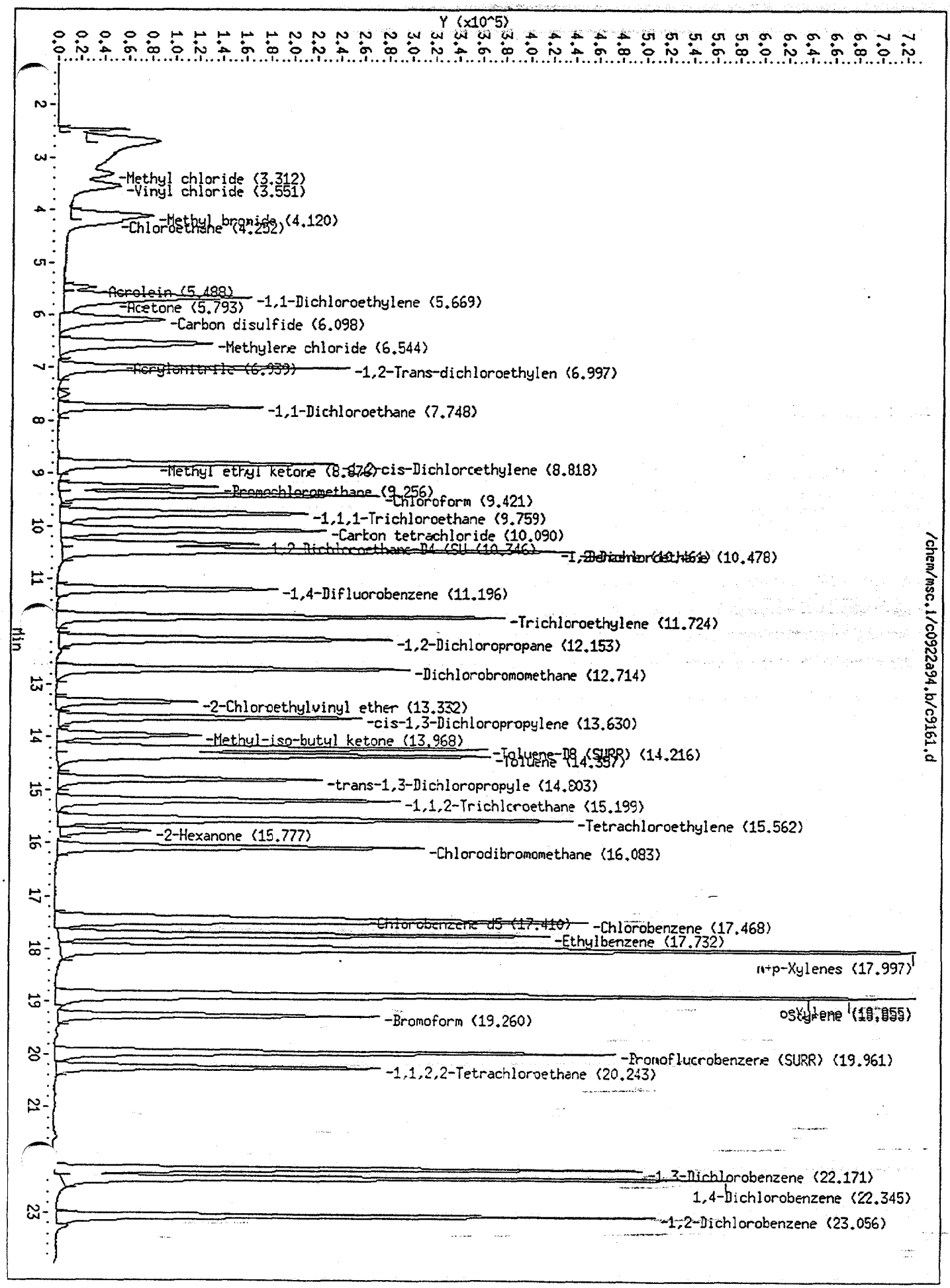
Data file : /chem/msc.i/c0922a94.b/c9160.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 22-SEP-94 14:44
Autotune Date: {
Operator : steve
Inst ID: msc.i
Smp Info : cal. std. #3 50ppb
Misc Info : ambient
Comment :
Method : /chem/msc.i/c0922a94.b/8240newc.m
Meth Date : 23-Sep-1994 07:23
Cal Date : 22-SEP-94 14:44
Cal File: c9160.d
Als bottle: 3
Calibration Sample, Level: 3
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.318	(0.358)	57592	50.2	50.2 (M)
	2 Vinyl chloride	62.00	3.565	(0.382)	106463	51.4	51.4 (M)
	3 Methyl bromide	94.00	4.117	(0.443)	128439	49.7	49.7 (M)
	4 Chloroethane	64.00	4.249	(0.459)	58130	49.5	49.5 (M)
	5 Acrolein	56.00	5.452	(0.000)	46829	256	256 (M)
	6 1,1-Dichloroethylene	96.00	5.683	(0.614)	130232	50.9	50.9 (M)
	7 Acetone	43.00	5.765	(0.623)	26136	48.7	48.7 (a)
	8 Carbon disulfide	76.00	6.103	(0.000)	297189	51.8	51.8 (M)
	9 Methylene chloride	84.00	6.540	(0.706)	129418	49.6	49.6
	10 Acrylonitrile	53.00	6.936	(0.749)	22396	50.4	50.4 (a)
	11 1,2-Trans-dichloroethylene	96.00	6.994	(0.755)	135389	50.6	50.6
	12 1,1-Dichloroethane	63.00	7.744	(0.836)	248277	51.6	51.6
	13 1,2-cis-Dichloroethylene	96.00	8.822	(0.953)	144293	51.3	51.3
	14 Methyl ethyl ketone	72.00	8.880	(0.792)	10462	54.3	54.3 (a)
*	15 Bromochloromethane	128.00	9.259	(1.000)	101621	50.0	
	16 Chloroform	83.00	9.416	(1.017)	308149	52.1	52.1
	17 1,1,1-Trichloroethane	97.00	9.771	(0.872)	242778	51.7	51.7
	18 Carbon tetrachloride	117.00	10.085	(0.900)	230153	50.4	50.4
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.332	(1.116)	153478	50.1	50.1
	20 Benzene	78.00	10.464	(0.934)	345108	51.8	51.8
	21 1,2-Dichloroethane	62.00	10.481	(1.132)	204630	52.1	52.1
*	22 1,4-Difluorobenzene	114.00	11.206	(1.000)	421374	50.0	
	23 Trichloroethylene	130.00	11.726	(1.046)	201750	51.1	51.1
	24 1,2-Dichloropropane	63.00	12.155	(1.085)	162006	52.0	52.0
	25 Dichlorobromomethane	83.00	12.707	(1.134)	271518	52.0	52.0
	26 2-Chloroethylvinyl ether	63.00	13.334	(1.190)	76037	52.6	52.6
	27 cis-1,3-Dichloropropylene	75.00	13.631	(1.216)	204997	51.9	51.9
	28 Methyl-iso-butyl ketone	43.00	13.961	(0.802)	156168	51.7	51.7
$	29 Toluene-D8 (SURR)	98.00	14.217	(0.817)	352875	49.3	49.3

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.349	(0.824)	237713	50.7	50.7
	31 trans-1,3-Dichloropropylene	75.00	14.811	(1.322)	170406	52.8	52.8
	32 1,1,2-Trichloroethane	97.00	15.207	(1.357)	143976	51.4	51.4
	33 Tetrachloroethylene	164.00	15.562	(0.894)	169832	50.1	50.1
	34 2-Hexanone	43.00	15.768	(0.906)	103156	54.3	54.3
	35 Chlorodibromomethane	129.00	16.090	(1.436)	235179	51.6	51.6
*	36 Chlorobenzene-d5	117.00	17.408	(1.000)	308937	50.0	
	37 Chlorobenzene	112.00	17.474	(1.004)	332958	50.4	50.4
	38 Ethylbenzene	106.00	17.730	(1.019)	149404	50.4	50.4
	39 m+p-Xylenes	106.00	17.995	(1.034)	354260	102	102
	40 o-Xylene	106.00	18.869	(1.084)	178575	50.8	50.8
	41 Styrene	104.00	18.885	(1.085)	273774	51.4	51.4
	42 Bromoform	173.00	19.265	(1.719)	173204	53.8	53.8
$	43 Bromofluorobenzene (SURR)	95.00	19.958	(1.146)	254502	49.7	49.7
	44 1,1,2,2-Tetrachloroethane	83.00	20.238	(1.163)	216086	52.3	52.3
	45 1,3-Dichlorobenzene	146.00	22.166	(1.273)	286545	50.6	50.6
	46 1,4-Dichlorobenzene	146.00	22.348	(1.284)	329073	51.1	51.1
	47 1,2-Dichlorobenzene	146.00	23.057	(1.325)	286835	51.1	51.1

Q Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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/chem/msc.i/c0922a94.b/c9161.d

Data File: /chem/msc.i/c0922a94.b/c9161.d
Report Date: 23-Sep-1994 07:41

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/msc.i/c0922a94.b/c9161.d
Lab. Id. :
Inj Date : 22-SEP-94 15:16
Operator : steve
Smp Info : cal. std. #4 100ppb
Misc Info : ambient
Comment :
Method : /chem/msc.i/c0922a94.b/8240newc.m
Meth Date : 23-Sep-1994 07:23
Cal Date : 22-SEP-94 14:44
Als bottle: 4
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i
Cal File: c9160.d
Calibration Sample, Level: 4
Target Version: Target 3.00
Compound Sublist: all.sub

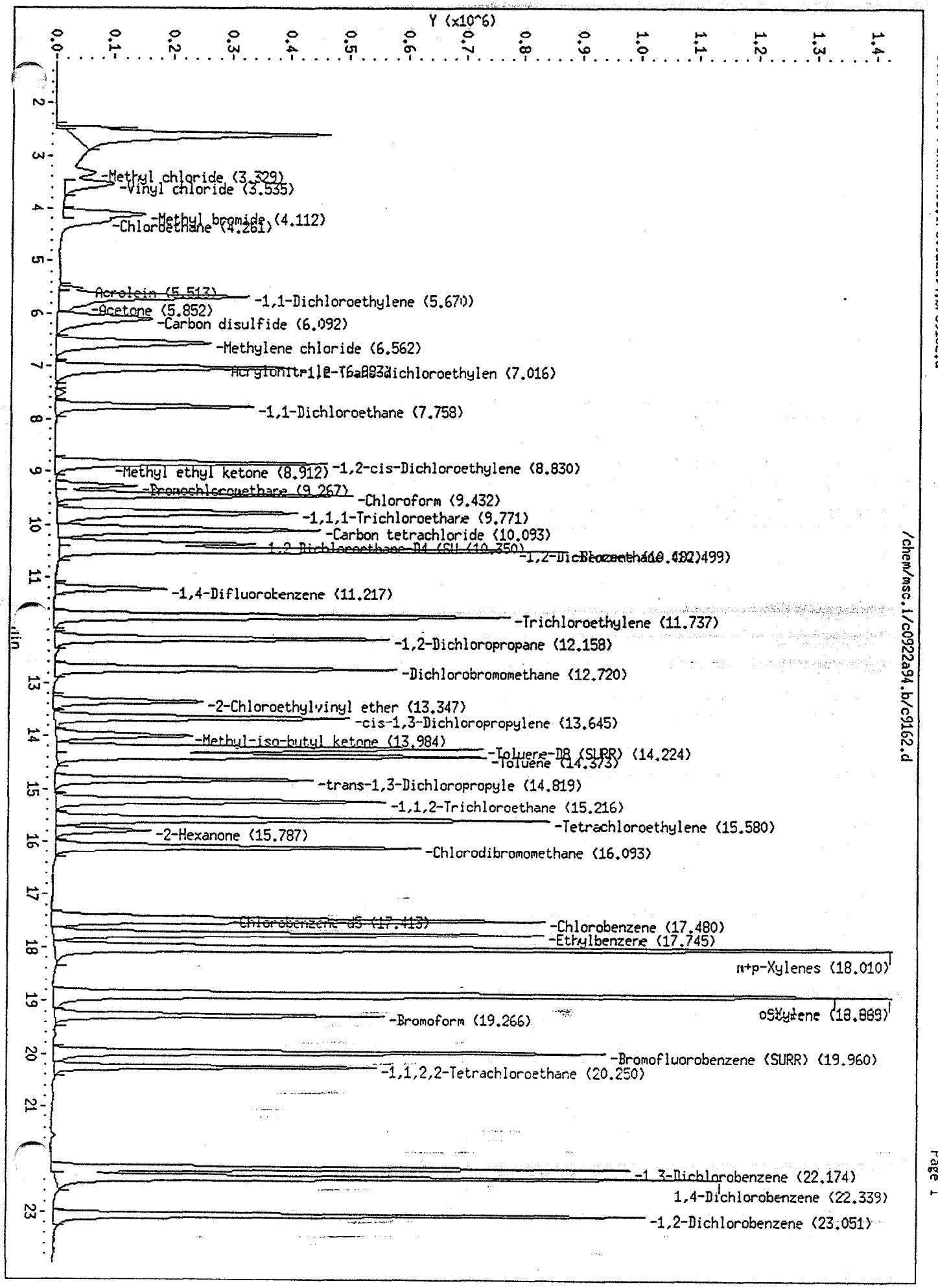
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.312	(0.358)	117631	106	106 (M)
	2 Vinyl chloride	62.00	3.551	(0.384)	202057	102	102
	3 Methyl bromide	94.00	4.128	(0.446)	237249	96.2	96.2
	4 Chloroethane	64.00	4.252	(0.459)	101113	89.9	89.9 (M)
	5 Acrolein	56.00	5.488	(0.000)	92333	523	523 (M)
	6 1,1-Dichloroethylene	96.00	5.669	(0.613)	242904	99.4	99.4
	7 Acetone	43.00	5.793	(0.626)	49202	96.0	96.0 (a)
	8 Carbon disulfide	76.00	6.098	(0.659)	572293	104	104
	9 Methylene chloride	84.00	6.544	(0.707)	238855	95.9	95.9
	10 Acrylonitrile	53.00	6.939	(0.750)	44125	104	104
	11 1,2-Trans-dichloroethylene	96.00	6.997	(0.756)	256892	100	100
	12 1,1-Dichloroethane	63.00	7.748	(0.837)	451749	98.4	98.4
	13 1,2-cis-Dichloroethylene	96.00	8.818	(0.953)	268922	100	100
	14 Methyl ethyl ketone	72.00	8.876	(0.793)	18508	97.8	97.8 (a)
*	15 Bromochloromethane	128.00	9.256	(1.000)	97045	50.0	
	16 Chloroform	83.00	9.421	(1.018)	562484	99.7	99.7
	17 1,1,1-Trichloroethane	97.00	9.759	(0.872)	455684	98.8	98.8
	18 Carbon tetrachloride	117.00	10.090	(0.901)	434652	96.9	96.9
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.346	(1.118)	306984	105	105
	20 Benzene	78.00	10.461	(0.934)	625829	95.7	95.7
	21 1,2-Dichloroethane	62.00	10.478	(1.132)	371968	99.2	99.2
*	22 1,4-Difluorobenzene	114.00	11.196	(1.000)	413582	50.0	
	23 Trichloroethylene	130.00	11.724	(1.047)	374697	96.6	96.6
	24 1,2-Dichloropropane	63.00	12.153	(1.085)	303121	99.1	99.1
	25 Dichlorobromomethane	83.00	12.714	(1.136)	535853	104	104
	26 2-Chloroethylvinyl ether	63.00	13.332	(1.191)	146888	103	103
	27 cis-1,3-Dichloropropylene	75.00	13.638	(1.218)	403682	104	104
	28 Methyl-iso-butyl ketone	43.00	13.968	(0.802)	294825	97.5	97.5
$	29 Toluene-D8 (SURR)	98.00	14.208	(0.816)	745653	104	104

Data File: /chem/msc.i/c0922a94.b/c9161.d
Report Date: 23-Sep-1994 07:41

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.365	(0.825)	462417	98.6	98.6
	31 trans-1,3-Dichloropropylene	75.00	14.803	(1.322)	332096	105	105
	32 1,1,2-Trichloroethane	97.00	15.199	(1.358)	276808	101	101
	33 Tetrachloroethylene	164.00	15.562	(0.894)	324262	95.6	95.6
	34 2-Hexanone	43.00	15.777	(0.906)	191213	100	100
	35 Chlorodibromomethane	129.00	16.091	(1.437)	480952	107	107
*	36 Chlorobenzene-d5	117.00	17.410	(1.000)	309266	50.0	
	37 Chlorobenzene	112.00	17.476	(1.004)	639275	96.8	96.8
	38 Ethylbenzene	106.00	17.732	(1.019)	287967	97.0	97.0
	39 m+p-Xylenes	106.00	17.997	(1.034)	672017	193	193
	40 o-Xylene	106.00	18.855	(1.083)	334196	94.9	94.9
	41 Styrene	104.00	18.888	(1.085)	526253	98.7	98.7
	42 Bromoform	173.00	19.260	(1.720)	339832	108	108
$	43 Bromofluorobenzene (SURR)	95.00	19.961	(1.147)	512695	100	100
	44 1,1,2,2-Tetrachloroethane	83.00	20.243	(1.163)	406392	98.2	98.2
	45 1,3-Dichlorobenzene	146.00	22.171	(1.274)	536034	94.6	94.6
	46 1,4-Dichlorobenzene	146.00	22.345	(1.283)	607819	94.2	94.2
	47 1,2-Dichlorobenzene	146.00	23.056	(1.324)	520355	92.6	92.6

Q Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.



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/chem/msc.i/c0922a94.b/c9162.d

Data File: /chem/msc.i/c0922a94.b/c9162.d
Report Date: 23-Sep-1994 07:43

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/msc.i/c0922a94.b/c9162.d
Lab. Id. :
Inj Date : 22-SEP-94 15:48
Operator : steve
Smp Info : cal. std. #5 200ppb
Misc Info : ambient
Comment :
Method : /chem/msc.i/c0922a94.b/8240newc.m
Meth Date : 23-Sep-1994 07:23
Cal Date : 22-SEP-94 14:44
Als bottle: 5
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i

Cal File: c9160.d
Calibration Sample, Level: 5
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.329	(0.359)	240092	205	205 (M)
	2 Vinyl chloride	62.00	3.535	(0.381)	405220	196	196
	3 Methyl bromide	94.00	4.112	(0.443)	459124	179	179
	4 Chloroethane	64.00	4.261	(0.459)	207570	176	176 (M)
	5 Acrolein	56.00	5.513	(0.000)	144213	820	820 (M)
	6 1,1-Dichloroethylene	96.00	5.670	(0.611)	488015	192	192
	7 Acetone	43.00	5.852	(0.631)	89400	164	164 (M)
	8 Carbon disulfide	76.00	6.092	(0.657)	1137198	199	199
	9 Methylene chloride	84.00	6.570	(0.708)	467826	180	180
	10 Acrylonitrile	53.00	6.983	(0.753)	82549	187	187
	11 1,2-Trans-dichloroethylene	96.00	7.016	(0.756)	511912	192	192
	12 1,1-Dichloroethane	63.00	7.758	(0.836)	908828	190	190
	13 1,2-cis-Dichloroethylene	96.00	8.830	(0.952)	541404	193	193
	14 Methyl ethyl ketone	72.00	8.912	(0.795)	40896	208	208
*	15 Bromochloromethane	128.00	9.275	(1.000)	101122	50.0	
	16 Chloroform	83.00	9.432	(1.017)	1028582	175	175
	17 1,1,1-Trichloroethane	97.00	9.771	(0.871)	910228	190	190
	18 Carbon tetrachloride	117.00	10.102	(0.901)	907852	195	195
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.350	(1.116)	604053	198	198
	20 Benzene	78.00	10.474	(0.934)	1261644	186	186
	21 1,2-Dichloroethane	62.00	10.499	(1.132)	734846	188	188
*	22 1,4-Difluorobenzene	114.00	11.217	(1.000)	430010	50.0	
	23 Trichloroethylene	130.00	11.737	(1.046)	760217	188	188
	24 1,2-Dichloropropane	63.00	12.167	(1.085)	608763	191	191
	25 Dichlorobromomethane	83.00	12.720	(1.134)	1045458	196	196
	26 2-Chloroethylvinyl ether	63.00	13.347	(1.190)	307846	208	208
	27 cis-1,3-Dichloropropylene	75.00	13.645	(1.216)	776925	193	193
	28 Methyl-iso-butyl ketone	43.00	13.984	(0.000)	585096	190	190 (M)
$	29 Toluene-D8 (SURR)	98.00	14.224	(0.817)	1444248	196	196

Data File: /chem/msc.i/c0922a94.b/c9162.d
Report Date: 23-Sep-1994 07:43

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.373	(0.825)	903683	187	187
	31 trans-1,3-Dichloropropylene	75.00	14.819	(1.321)	663242	201	201
	32 1,1,2-Trichloroethane	97.00	15.216	(1.357)	533870	187	187
	33 Tetrachloroethylene	164.00	15.580	(0.895)	637973	182	182
	34 2-Hexanone	43.00	15.787	(0.907)	394127	201	201
	35 Chlorodibromomethane	129.00	16.093	(1.435)	970576	208	208
*	36 Chlorobenzene-d5	117.00	17.413	(1.000)	318704	50.0	
	37 Chlorobenzene	112.00	17.488	(1.004)	1258134	185	185
	38 Ethylbenzene	106.00	17.745	(1.019)	569400	186	186
	39 m+p-Xylenes	106.00	18.010	(1.034)	1328910	370	370
	40 o-Xylene	106.00	18.869	(1.084)	654112	180	180
	41 Styrene	104.00	18.894	(1.085)	1062940	193	193
	42 Bromoform	173.00	19.266	(1.718)	718221	219	219
$	43 Bromofluorobenzene (SURR)	95.00	19.960	(1.146)	1015299	192	192
	44 1,1,2,2-Tetrachloroethane	83.00	20.250	(1.163)	791158	186	186
	45 1,3-Dichlorobenzene	146.00	22.174	(1.273)	1055265	181	181
	46 1,4-Dichlorobenzene	146.00	22.339	(1.283)	1232069	185	185
	47 1,2-Dichlorobenzene	146.00	23.051	(1.324)	1034906	179	179

Q Flag Legend

M - Compound response manually integrated.

Heated (40°C)

00134

Report Date : 08-Nov-1994 14:58 Page 1

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 08-NOV-94 10:45
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c110894.b/8240newc.m
Cal Date : 08-Nov-1994 14:58 tom

Calibration File Names:
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Level 2: /chem/aux/msc.i/c110894.b/c9965.d
Level 3: /chem/aux/msc.i/c110894.b/c9970.d
Level 4: /chem/aux/msc.i/c110894.b/c9967.d
Level 5: /chem/aux/msc.i/c110894.b/c9968.d

	Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1	Methyl chloride	0.65697	0.74259	0.67275	0.67100	0.69925	0.68851	4.920
2	Vinyl chloride	1.02587	1.09084	0.97272	1.11609	1.08528	1.05816	5.491
3	Methyl bromide	1.31017	1.41025	1.11150	1.25496	1.23384	1.26414	8.645
4	Chloroethane	0.67684	0.61224	0.53237	0.57942	0.56519	0.59321	9.246
5	Acrolein	0.24624	0.26731	0.23616	0.23176	0.07994	0.21228	35.443
6	1,1-Dichloroethylene	1.25018	1.34695	1.18076	1.33573	0.81133	1.18499	18.529
7	Acetone	0.95624	0.81241	0.63186	0.80053	0.71105	0.78242	15.549
8	Carbon disulfide	2.90991	3.12718	2.77872	3.21193	3.09563	3.02467	5.827
9	Methylene chloride	1.49300	1.44233	1.20117	1.28329	1.26765	1.33749	9.276
10	Acrylonitrile	0.41666	0.45202	0.37635	0.40475	0.47300	0.42456	9.031
11	1,2-Trans-dichloroethylene	1.36431	1.41862	1.26154	1.36395	1.38054	1.35779	4.288
12	1,1-Dichloroethane	2.79648	2.81882	2.38863	2.63154	2.41943	2.61098	7.759
13	1,2-cis-Dichloroethylene	1.42955	1.48754	1.32019	1.31474	1.33845	1.37809	5.570
14	Methyl ethyl ketone	0.07645	0.06899	0.05581	0.04560	0.05470	0.06031	20.377
16	Chloroform	3.65869	3.31122	2.96501	3.02193	2.97663	3.18670	9.397
17	1,1,1-Trichloroethane	0.77929	0.73979	0.68873	0.59579	0.62414	0.68555	11.197
18	Carbon tetrachloride	0.73107	0.68163	0.58748	0.58649	0.61402	0.64014	9.980
20	Benzene	0.85138	0.86986	0.77069	0.71825	0.74059	0.79016	8.515
21	1,2-Dichloroethane	2.95714	2.70343	2.11687	2.36132	2.32253	2.49226	13.422
23	Trichloroethylene	0.50982	0.49244	0.45092	0.42230	0.43850	0.46280	7.984
24	1,2-Dichloropropane	0.45232	0.44012	0.38286	0.35858	0.37894	0.40256	10.217
25	Dichlorobromomethane	0.77665	0.82550	0.72309	0.72039	0.74348	0.75782	5.808
26	2-Chloroethylvinyl ether	0.24286	0.25663	0.23358	0.22398	0.25235	0.24188	5.536
27	cis-1,3-Dichloropropylene	0.56274	0.58336	0.52964	0.50056	0.53337	0.54193	5.898
	Methyl-iso-butyl ketone	1.38133	1.27435	1.00001	0.93030	1.09071	1.13534	16.606
*	Toluene	1.33646	+++++	0.92384	+++++	0.83617	1.03216	25.883
31	trans-1,3-Dichloropropylene	0.52696	0.52103	0.47828	0.45876	0.50070	0.49714	5.779

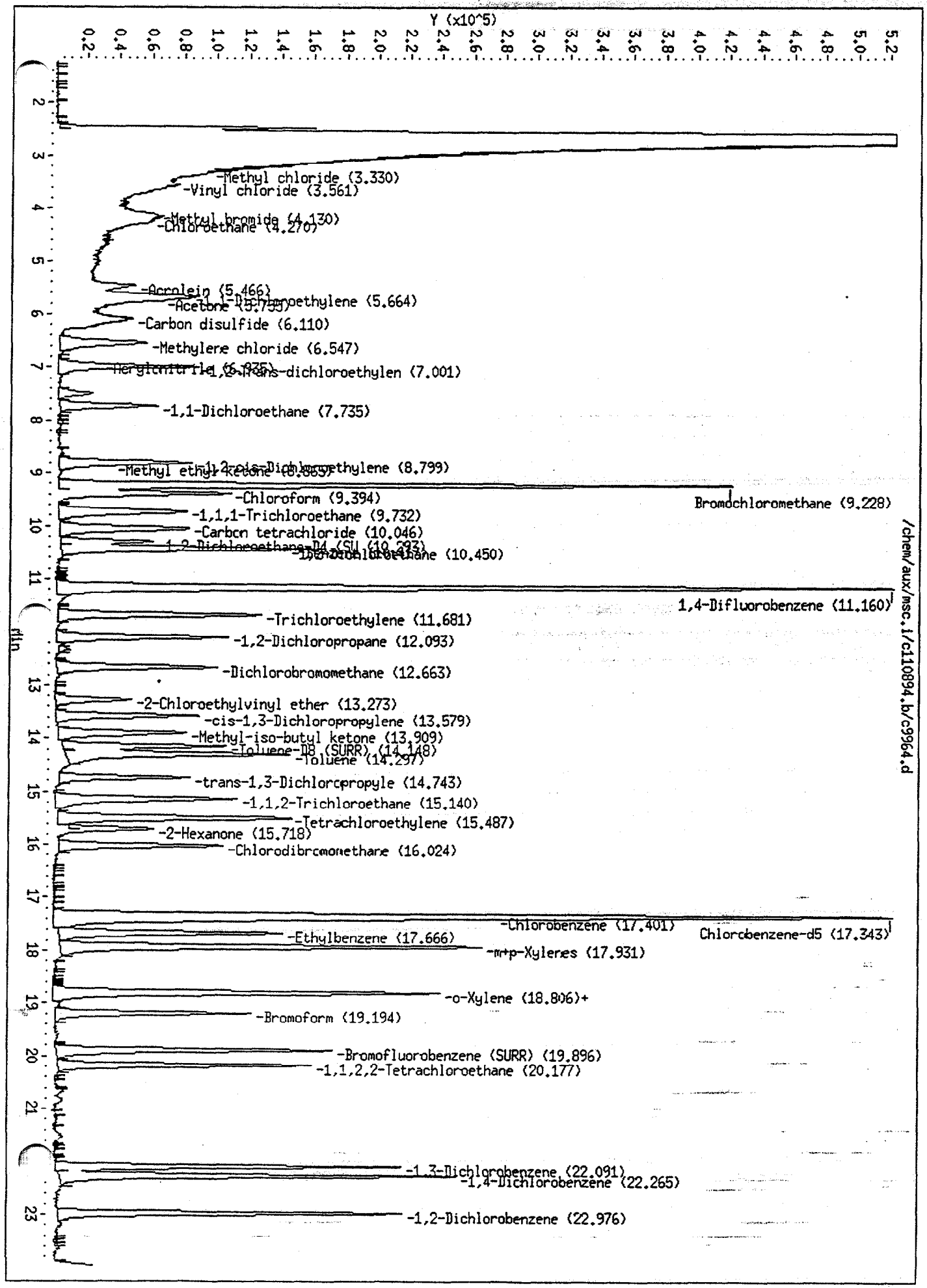
* Dropped two points due to contamination.
DL 11/8/94

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 08-NOV-94 10:45
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c110894.b/8240newc.m
Cal Date : 08-Nov-1994 14:58 tom

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.45504	0.43401	0.37573	0.35595	0.38139	0.40042	10.492
33 Tetrachloroethylene	0.78141	0.71458	0.61946	0.60364	0.60744	0.66530	11.921
34 2-Hexanone	1.03759	0.97028	0.72601	0.68955	0.84170	0.85302	17.662
35 Chlorodibromomethane	0.69593	0.75016	0.69253	0.68835	0.75482	0.71636	4.626
37 Chlorobenzene	1.39026	1.22893	1.05329	1.03834	1.04825	1.15181	13.458
38 Ethylbenzene	0.62640	0.51614	0.45601	0.44437	0.45496	0.49958	15.276
39 m+p-Xylenes	0.74044	0.61802	0.54786	0.53940	0.53581	0.59631	14.642
40 o-Xylene	0.72467	0.62959	0.54233	0.52558	0.52837	0.59011	14.657
41 Styrene	1.00318	0.92852	0.83161	0.84442	0.85607	0.89276	8.095
42 Bromoform	0.71505	0.68633	0.62028	0.62966	0.69332	0.66893	6.224
44 1,1,2,2-Tetrachloroethane	1.44038	1.26223	0.95104	0.92848	1.02933	1.12229	19.739
45 1,3-Dichlorobenzene	1.52617	1.38307	1.08234	1.09212	1.07120	1.23098	17.097
46 1,4-Dichlorobenzene	1.65833	1.61642	1.25974	1.27001	1.26638	1.41418	14.448
47 1,2-Dichlorobenzene	1.53112	1.40137	1.08654	1.08524	1.09934	1.24072	17.006
$ 19 1,2-Dichloroethane-D4 (SURR)	2.03863	1.90844	1.51313	1.69978	1.74771	1.78154	11.299
$ 29 Toluene-D8 (SURR)	1.34519	1.30820	1.13239	1.07100	1.07957	1.18727	10.957
$ 43 Bromofluorobenzene (SURR)	1.17398	1.00284	0.83365	0.80113	0.80735	0.92379	17.586



Data File: /chem/aux/msc.i/c110894.b/c9964.d

Data File: /chem/aux/msc.i/c110894.b/c9964.d
Report Date: 08-Nov-1994 14:52

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c110894.b/c9964.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 08-NOV-94 10:10
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : cal std#1 @ 10ppb (heated)
Misc Info : ma2420,ma2422,ma2421 (1ul/5ml)
Comment :
Method : /chem/aux/msc.i/c110894.b/8240newc.m
Meth Date : 08-Nov-1994 14:52
Cal Date : 08-NOV-94 10:10
Cal File: c9964.d
Als bottle: 4
Calibration Sample, Level: 1
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

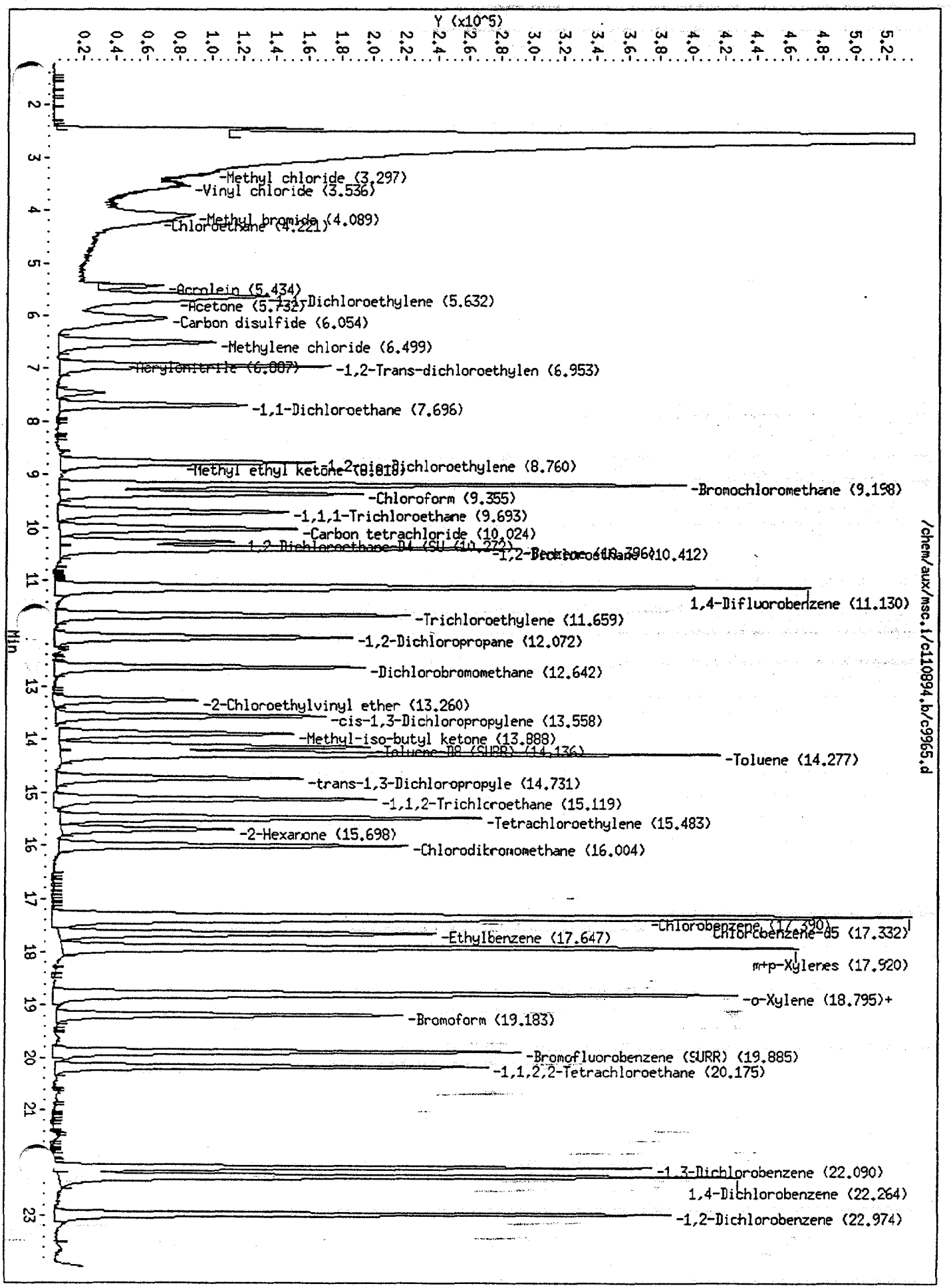
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.330	(0.361)	35887	10.0	10.0
	2 Vinyl chloride	62.00	3.561	(0.386)	56038	10.0	10.0
	3 Methyl bromide	94.00	4.130	(0.448)	71568	10.0	10.0
	4 Chloroethane	64.00	4.270	(0.463)	36972	10.0	10.0
	5 Acrolein	56.00	5.466	(0.592)	67792	50.4	50.4(a)
	6 1,1-Dichloroethylene	96.00	5.664	(0.614)	68291	10.0	10.0
	7 Acetone	43.00	5.755	(0.624)	52757	10.1	10.1(a)
	8 Carbon disulfide	76.00	6.110	(0.662)	160543	10.1	10.1
	9 Methylene chloride	84.00	6.547	(0.709)	81555	10.0	10.0
	10 Acrylonitrile	53.00	6.935	(0.751)	22760	10.0	10.0(a)
	11 1,2-Trans-dichloroethylene	96.00	7.001	(0.759)	74525	10.0	10.0
	12 1,1-Dichloroethane	63.00	7.735	(0.838)	152757	10.0	10.0
	13 1,2-cis-Dichloroethylene	96.00	8.799	(0.953)	78089	10.0	10.0
	14 Methyl ethyl ketone	72.00	8.865	(0.794)	16131	10.0	10.0(a)
*	15 Bromochloromethane	128.00	9.228	(1.000)	273124	50.0	
	16 Chloroform	83.00	9.394	(1.018)	199855	10.0	10.0
	17 1,1,1-Trichloroethane	97.00	9.732	(0.872)	164424	10.0	10.0
	18 Carbon tetrachloride	117.00	10.046	(0.900)	154251	10.0	10.0
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.302	(1.116)	111360	10.0	10.0
	20 Benzene	78.00	10.417	(0.933)	179635	10.0	10.0
	21 1,2-Dichloroethane	62.00	10.450	(1.132)	161533	10.0	10.0
*	22 1,4-Difluorobenzene	114.00	11.160	(1.000)	1054961	50.0	
	23 Trichloroethylene	130.00	11.681	(1.047)	107569	10.0	10.0
	24 1,2-Dichloropropane	63.00	12.093	(1.084)	95435	10.0	10.0
	25 Dichlorobromomethane	83.00	12.663	(1.135)	163867	10.0	10.0
	2-Chloroethylvinyl ether	63.00	13.273	(1.189)	51753	10.1	10.1
	cis-1,3-Dichloropropylene	75.00	13.570	(1.216)	118733	10.0	10.0
	28 Methyl-iso-butyl ketone	43.00	13.909	(0.802)	198143	10.0	10.0(a)
$	29 Toluene-D8 (SURR)	98.00	14.148	(0.816)	192958	10.0	10.0

Data File: /chem/aux/msc.i/c110894.b/c9964.d
Report Date: 08-Nov-1994 14:52

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.289	(0.824)	191706	10.0	10.0
	31 trans-1,3-Dichloropropylene	75.00	14.743	(1.321)	111184	10.0	10.0
	32 1,1,2-Trichloroethane	97.00	15.140	(1.357)	96009	10.0	10.0
	33 Tetrachloroethylene	164.00	15.487	(0.893)	112088	10.0	10.0
	34 2-Hexanone	43.00	15.718	(0.906)	151812	10.2	10.2(a)
	35 Chlorodibromomethane	129.00	16.024	(1.436)	146835	10.0	10.0
*	36 Chlorobenzene-d5	117.00	17.343	(1.000)	717216	50.0	
	37 Chlorobenzene	112.00	17.401	(1.003)	199424	10.0	10.0
	38 Ethylbenzene	106.00	17.658	(1.018)	89853	10.0	10.0
	39 m+p-Xylenes	106.00	17.931	(1.034)	212422	20.0	20.0
	40 o-Xylene	106.00	18.797	(1.084)	103949	10.0	10.0
	41 Styrene	104.00	18.814	(1.085)	143899	10.0	10.0
	42 Bromoform	173.00	19.186	(1.719)	150869	10.0	10.0
$	43 Bromofluorobenzene (SURR)	95.00	19.887	(1.147)	168400	10.0	10.0
	44 1,1,2,2-Tetrachloroethane	83.00	20.177	(1.163)	206613	10.0	10.0
	45 1,3-Dichlorobenzene	146.00	22.091	(1.274)	218919	10.0	10.0
	46 1,4-Dichlorobenzene	146.00	22.273	(1.284)	237876	10.0	10.0
	47 1,2-Dichlorobenzene	146.00	22.976	(1.325)	219629	10.0	10.0

Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).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23
-Methyl chloride (3.297)
-Vinyl chloride (3.536)
-Methyl bromide (4.089)
-Chloroethane (4.221)
-Acrolein (5.434)
-Acetone (5.732)
-Dichloroethylene (5.632)
-Carbon disulfide (6.054)
-Methylene chloride (6.499)
-Acrylonitrile (6.887)
-1,2-Trans-dichloroethylen (6.953)
-1,1-Dichloroethane (7.696)
-Methyl ethyl ketone (8.818)
-1,2-cis-Dichloroethylene (8.760)
-Bromochloromethane (9.198)
-Chloroform (9.355)
-1,1,1-Trichloroethane (9.693)
-Carbon tetrachloride (10.024)
1,2-Dichloroethane-D4 (SU (10.272)
-1,2-Dichloroethane (10.396)
(10.412)
1,4-Difluorobenzene (11.130)
-Trichloroethylene (11.659)
-1,2-Dichloropropane (12.072)
-Dichlorobromomethane (12.642)
-2-Chloroethylvinyl ether (13.260)
-cis-1,3-Dichloropropylene (13.558)
-Methyl-iso-butyl ketone (13.888)
Toluene-D8 (SURR) (14.136)
-Toluene (14.277)
-trans-1,3-Dichloropropyle (14.731)
-1,1,2-Trichloroethane (15.119)
-Tetrachloroethylene (15.483)
-2-Hexanone (15.698)
-Chlorodibromomethane (16.004)
-Chlorobenzene (17.390)
Chlorobenzene-d5 (17.332)
-Ethylbenzene (17.647)
m+p-Xylenes (17.920)
-o-Xylene (18.795)+
-Bromoform (19.183)
-Bromofluorobenzene (SURR) (19.885)
-1,1,2,2-Tetrachloroethane (20.175)
-1,3-Dichlorobenzene (22.090)
1,4-Dichlorobenzene (22.264)
-1,2-Dichlorobenzene (22.974)
/chem/aux/msc.i/c110894.b/c9965.d

Data File: /chem/aux/msc.i/c110894.b/c9965.d
Report Date: 08-Nov-1994 14:57

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

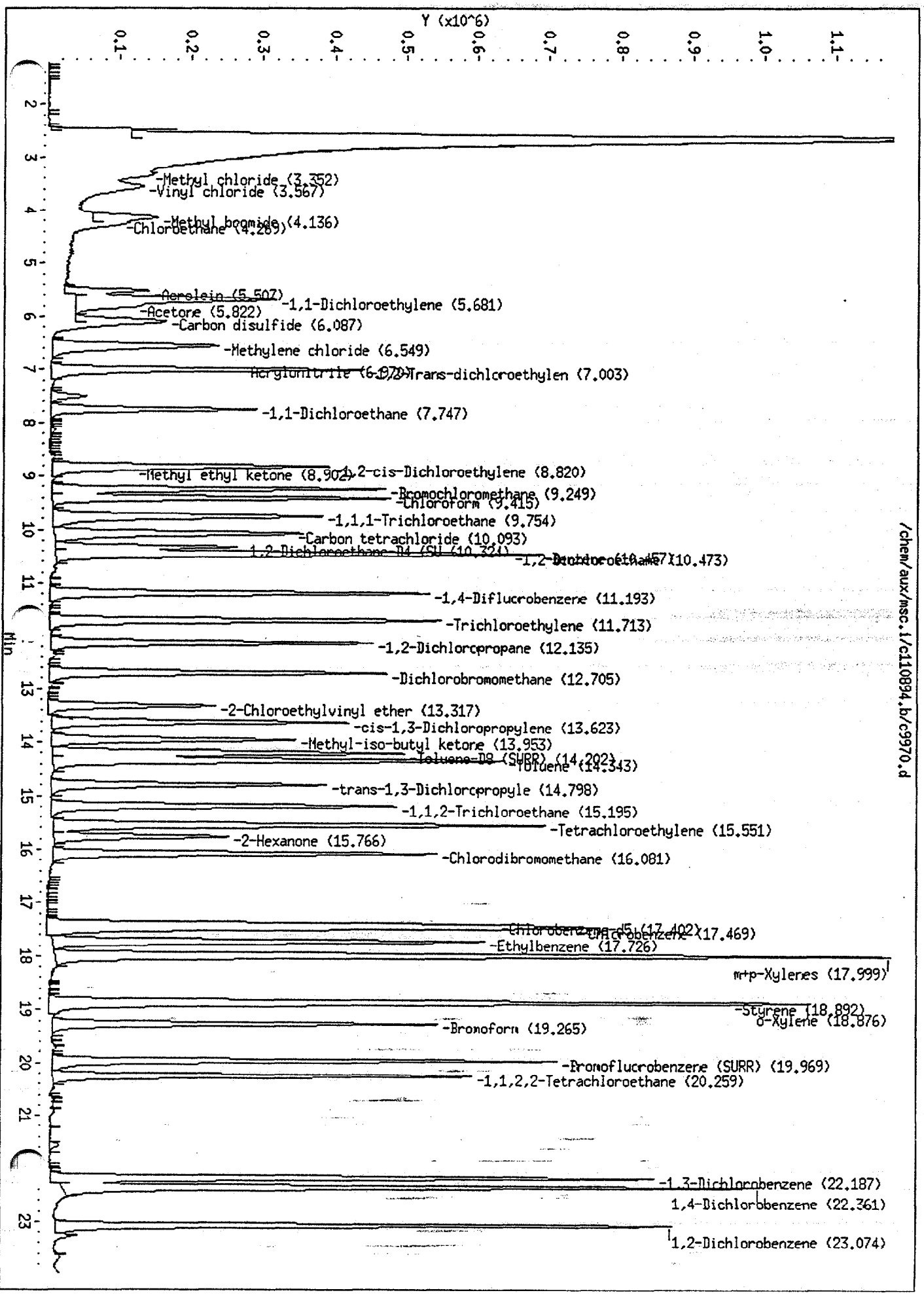
Data file : /chem/aux/msc.i/c110894.b/c9965.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 08-NOV-94 10:45
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : cal std#2 @ 20ppb (heated)
Misc Info : ma2420,ma2422,ma2421 (2ul/5ml)
Comment :
Method : /chem/aux/msc.i/c110894.b/8240newc.m
Meth Date : 08-Nov-1994 14:55 tom
Cal Date : 08-NOV-94 10:45
Cal File: c9965.d
Als bottle: 5
Calibration Sample, Level: 2
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.297	(0.359)	78870	21.6	21.6
	2 Vinyl chloride	62.00	3.536	(0.385)	115857	20.6	20.6
	3 Methyl bromide	94.00	4.089	(0.445)	149781	22.3	22.3
	4 Chloroethane	64.00	4.221	(0.459)	65025	20.6	20.6
	5 Acrolein	56.00	5.434	(0.591)	143088	127	127
	6 1,1-Dichloroethylene	96.00	5.632	(0.613)	143058	22.7	22.7
	7 Acetone	43.00	5.732	(0.624)	87148	21.0	21.0(a)
	8 Carbon disulfide	76.00	6.054	(0.659)	335455	20.9	20.9
	9 Methylene chloride	84.00	6.499	(0.707)	153188	21.6	21.6
	10 Acrylonitrile	53.00	6.887	(0.749)	48009	21.3	21.3(a)
	11 1,2-Trans-dichloroethylene	96.00	6.945	(0.756)	150670	20.9	20.9
	12 1,1-Dichloroethane	63.00	7.696	(0.837)	299384	21.6	21.6
	13 1,2-cis-Dichloroethylene	96.00	8.752	(0.952)	157990	21.6	21.6
	14 Methyl ethyl ketone	72.00	8.818	(0.792)	27590	22.9	22.9(a)
*	15 Bromochloromethane	128.00	9.189	(1.000)	265522	50.0	
	16 Chloroform	83.00	9.355	(1.018)	351681	20.8	20.8
	17 1,1,1-Trichloroethane	97.00	9.693	(0.871)	295845	21.6	21.6
	18 Carbon tetrachloride	117.00	10.015	(0.900)	272587	21.3	21.3
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.272	(1.118)	202693	21.4	21.4
	20 Benzene	78.00	10.396	(0.934)	347863	22.0	22.0
	21 1,2-Dichloroethane	62.00	10.412	(1.133)	287128	21.7	21.7
*	22 1,4-Difluorobenzene	114.00	11.130	(1.000)	999764	50.0	
	23 Trichloroethylene	130.00	11.659	(1.047)	196929	21.3	21.3
	24 1,2-Dichloropropane	63.00	12.072	(1.085)	176007	21.9	21.9
	25 Dichlorobromomethane	83.00	12.642	(1.136)	330124	21.8	21.8
	2-Chloroethylvinyl ether	63.00	13.252	(1.191)	103140	21.3	21.3
	cis-1,3-Dichloropropylene	75.00	13.566	(1.219)	233290	21.5	21.5
	28 Methyl-iso-butyl ketone	43.00	13.888	(0.801)	358407	22.4	22.4(a)
$	29 Toluene-D8 (SURR)	98.00	14.128	(0.815)	367927	22.0	22.0

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
31	trans-1,3-Dichloropropylene	75.00	14.731	(1.323)	208362	21.0	21.0
32	1,1,2-Trichloroethane	97.00	15.119	(1.358)	173564	21.7	21.7
33	Tetrachloroethylene	164.00	15.491	(0.894)	200972	21.5	21.5
34	2-Hexanone	43.00	15.690	(0.905)	278346	23.2	23.2(a)
35	Chlorodibromomethane	129.00	16.004	(1.438)	299993	20.9	20.9
* 36	Chlorobenzene-d5	117.00	17.332	(1.000)	703116	50.0	
37	Chlorobenzene	112.00	17.390	(1.003)	345631	21.3	21.3
38	Ethylbenzene	106.00	17.655	(1.019)	145163	20.7	20.7
39	m+p-Xylenes	106.00	17.920	(1.034)	347631	41.4	41.4
40	o-Xylene	106.00	18.787	(1.084)	177069	21.3	21.3
41	Styrene	104.00	18.795	(1.084)	261142	20.8	20.8
42	Bromoform	173.00	19.192	(1.724)	274466	20.5	20.5
$ 43	Bromofluorobenzene (SURR)	95.00	19.877	(1.147)	282046	21.7	21.7
44	1,1,2,2-Tetrachloroethane	83.00	20.175	(1.164)	354998	22.5	22.5
45	1,3-Dichlorobenzene	146.00	22.090	(1.274)	388984	22.5	22.5
46	1,4-Dichlorobenzene	146.00	22.264	(1.285)	454612	22.9	22.9
47	1,2-Dichlorobenzene	146.00	22.974	(1.326)	394129	22.6	22.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



Data File: /chem/aux/msc.1/c110894.b/c9970.d

/chem/aux/msc.1/c110894.b/c9970.d

Data File: /chem/aux/msc.i/c110894.b/c9970.d
Report Date: 08-Nov-1994 14:52

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c110894.b/c9970.d
Lab. Id. : Quant Type: ISTD
Inj Date : 08-NOV-94 13:55 Autotune Date: {
Operator : dana Inst ID: msc.i
Smp Info : cal std#3 @ 50ppb (heated)
Misc Info : ma2420,ma2422,ma2421 (5ul/5ml)
Comment :
Method : /chem/aux/msc.i/c110894.b/8240newc.m
Meth Date : 08-Nov-1994 14:52
Cal Date : 08-NOV-94 13:55 Cal File: c9970.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

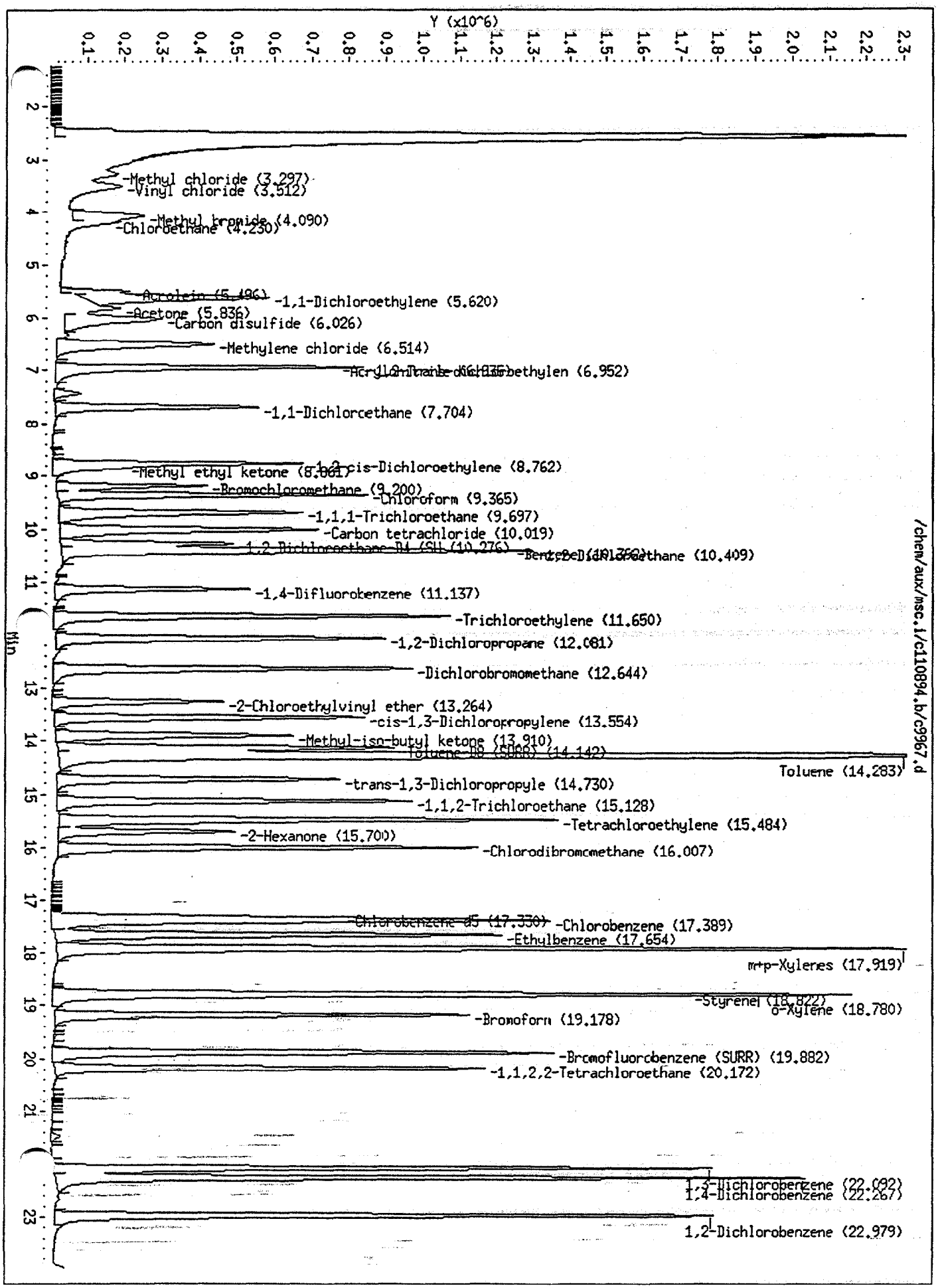
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methyl chloride	50.00	3.352	(0.362)	209578	48.8	48.8
2	Vinyl chloride	62.00	3.567	(0.386)	303028	46.0	46.0
3	Methyl bromide	94.00	4.145	(0.448)	346262	44.0	44.0
4	Chloroethane	64.00	4.269	(0.462)	165847	44.9	44.9
5	Acrolein	56.00	5.516	(0.596)	370798	280	280
6	1,1-Dichloroethylene	96.00	5.681	(0.614)	367837	49.8	49.8
7	Acetone	43.00	5.822	(0.629)	198416	40.7	40.7(a)
8	Carbon disulfide	76.00	6.087	(0.658)	876031	46.5	46.5
9	Methylene chloride	84.00	6.549	(0.708)	374196	44.9	44.9
10	Acrylonitrile	53.00	6.970	(0.754)	117244	44.3	44.3(a)
11	1,2-Trans-dichloroethylene	96.00	7.011	(0.758)	393003	46.4	46.4
12	1,1-Dichloroethane	63.00	7.747	(0.838)	744121	45.7	45.7
13	1,2-cis-Dichloroethylene	96.00	8.820	(0.954)	411273	47.9	47.9
14	Methyl ethyl ketone	72.00	8.902	(0.795)	63105	46.3	46.3(a)
* 15	Bromochloromethane	128.00	9.249	(1.000)	311526	50.0	
16	Chloroform	83.00	9.415	(1.018)	923677	46.5	46.5
17	1,1,1-Trichloroethane	97.00	9.762	(0.872)	778759	50.2	50.2
18	Carbon tetrachloride	117.00	10.093	(0.902)	664270	45.9	45.9
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.324	(1.116)	471380	42.5	42.5
20	Benzene	78.00	10.449	(0.934)	871431	48.8	48.8
21	1,2-Dichloroethane	62.00	10.473	(1.132)	659461	42.5	42.5
* 22	1,4-Difluorobenzene	114.00	11.193	(1.000)	1130720	50.0	
23	Trichloroethylene	130.00	11.713	(1.047)	509863	48.7	48.7
24	1,2-Dichloropropane	63.00	12.127	(1.083)	432906	47.6	47.6
25	Dichlorobromomethane	83.00	12.697	(1.134)	817613	47.7	47.7
	2-Chloroethylvinyl ether	63.00	13.317	(1.190)	265700	48.6	48.6
	cis-1,3-Dichloropropylene	75.00	13.623	(1.217)	598869	48.7	48.7
28	Methyl-iso-butyl ketone	43.00	13.962	(0.802)	832995	44.0	44.0(a)
$ 29	Toluene-D8 (SURR)	98.00	14.202	(0.816)	943267	47.7	47.7

Data File: /chem/aux/msc.i/c110894.b/c9970.d
Report Date: 08-Nov-1994 14:52

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.343	(0.824)	769545	30.6	30.6
	31 trans-1,3-Dichloropropylene	75.00	14.798	(1.322)	540800	48.1	48.1
	32 1,1,2-Trichloroethane	97.00	15.186	(1.357)	424851	46.9	46.9
	33 Tetrachloroethylene	164.00	15.551	(0.894)	516000	46.6	46.6
	34 2-Hexanone	43.00	15.766	(0.906)	614432	43.2	43.2(a)
	35 Chlorodibromomethane	129.00	16.072	(1.436)	783058	48.3	48.3
*	36 Chlorobenzene-d5	117.00	17.402	(1.000)	832989	50.0	
	37 Chlorobenzene	112.00	17.469	(1.004)	877376	45.7	45.7
	38 Ethylbenzene	106.00	17.726	(1.019)	379849	45.6	45.6
	39 m+p-Xylenes	106.00	17.999	(1.034)	912728	91.9	91.9
	40 o-Xylene	106.00	18.876	(1.085)	451758	46.0	46.0
	41 Styrene	104.00	18.892	(1.086)	692719	46.6	46.6
	42 Bromoform	173.00	19.273	(1.722)	701367	46.4	46.4
$	43 Bromofluorobenzene (SURR)	95.00	19.969	(1.147)	694423	45.1	45.1
	44 1,1,2,2-Tetrachloroethane	83.00	20.259	(1.164)	792208	42.4	42.4
	45 1,3-Dichlorobenzene	146.00	22.178	(1.274)	901577	44.0	44.0
	46 1,4-Dichlorobenzene	146.00	22.361	(1.285)	1049347	44.5	44.5
	47 1,2-Dichlorobenzene	146.00	23.082	(1.326)	905075	43.8	43.8

Q Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



Data File: /chem/aux/msc.i/c110894.b/c9967.d

/chem/aux/msc.i/c110894.b/c9967.d

Data File: /chem/aux/msc.i/c110894.b/c9967.d
Report Date: 08-Nov-1994 14:55

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c110894.b/c9967.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 08-NOV-94 11:54
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : cal std#4 @ 100ppb (heated)
Misc Info : ma2420,ma2422,ma2421 (10ul/5ml)
Comment :
Method : /chem/aux/msc.i/c110894.b/8240newc.m
Meth Date : 08-Nov-1994 14:52
Cal Date : 08-NOV-94 11:54
Cal File: c9967.d
Als bottle: 7
Calibration Sample, Level: 4
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

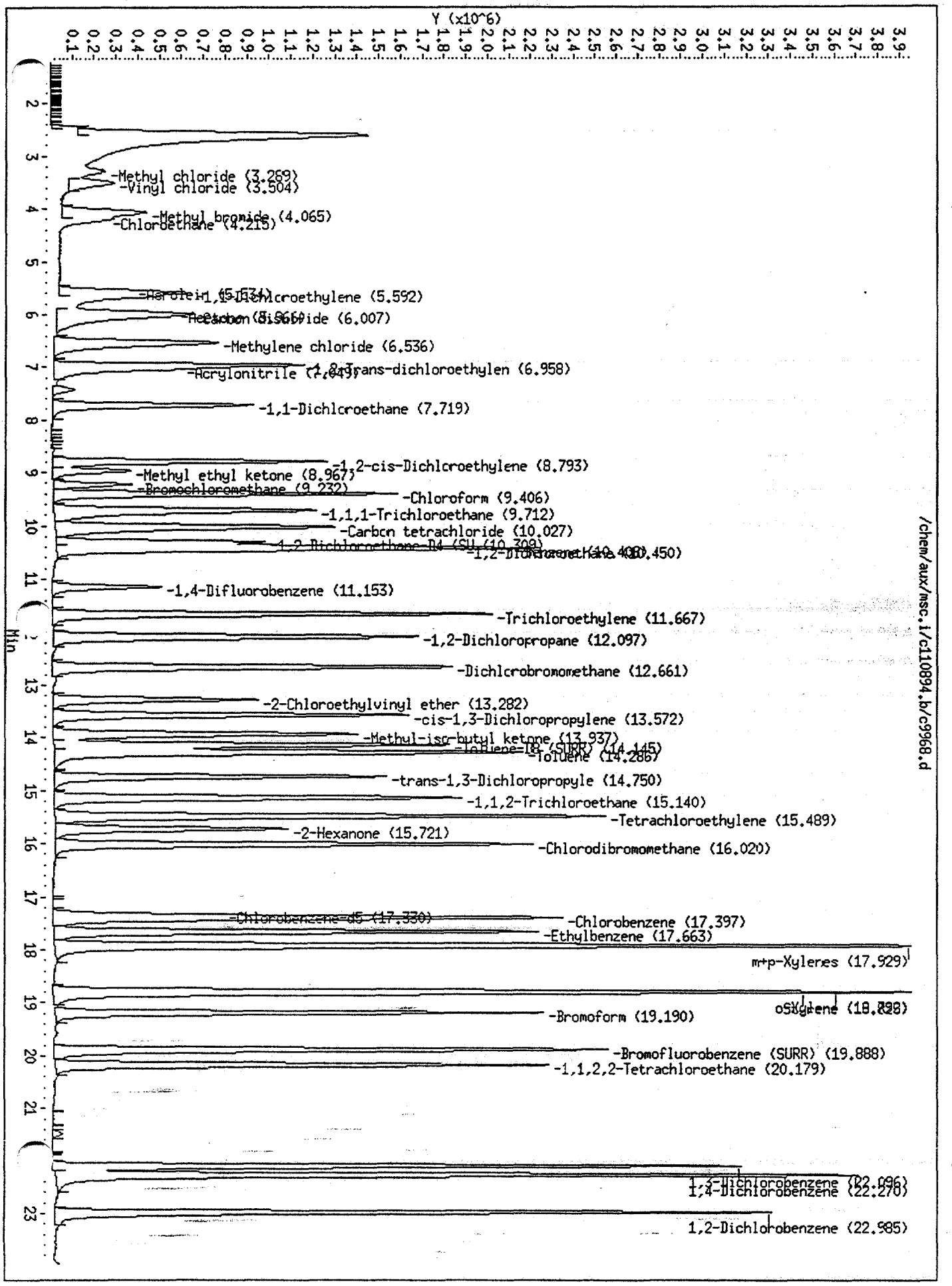
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.297	(0.358)	370082	97.4	97.4
	2 Vinyl chloride	62.00	3.512	(0.381)	615573	105	105
	3 Methyl bromide	94.00	4.081	(0.443)	692162	99.3	99.3
	4 Chloroethane	64.00	4.230	(0.459)	319575	97.7	97.7
	5 Acrolein	56.00	5.496	(0.597)	644235	550	550
	6 1,1-Dichloroethylene	96.00	5.620	(0.610)	736713	113	113
	7 Acetone	43.00	5.836	(0.634)	445939	103	103
	8 Carbon disulfide	76.00	6.026	(0.654)	1789228	107	107
	9 Methylene chloride	84.00	6.514	(0.707)	707788	95.9	95.9
	10 Acrylonitrile	53.00	6.935	(0.753)	223236	95.3	95.3(a)
	11 1,2-Trans-dichloroethylene	96.00	6.952	(0.755)	752273	100	100
	12 1,1-Dichloroethane	63.00	7.704	(0.837)	1451404	101	101
	13 1,2-cis-Dichloroethylene	96.00	8.762	(0.952)	725133	95.4	95.4
	14 Methyl ethyl ketone	72.00	8.861	(0.796)	109029	75.6	75.6(a)
*	15 Bromochloromethane	128.00	9.208	(1.000)	275771	50.0	
	16 Chloroform	83.00	9.365	(1.017)	1666720	94.8	94.8
	17 1,1,1-Trichloroethane	97.00	9.697	(0.871)	1424642	86.9	86.9
	18 Carbon tetrachloride	117.00	10.028	(0.900)	1402398	91.6	91.6
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.268	(1.115)	937498	95.4	95.4
	20 Benzene	78.00	10.392	(0.933)	1717471	90.9	90.9
	21 1,2-Dichloroethane	62.00	10.417	(1.131)	1302369	94.7	94.7
*	22 1,4-Difluorobenzene	114.00	11.137	(1.000)	1195586	50.0	
	23 Trichloroethylene	130.00	11.650	(1.046)	1009797	91.2	91.2
	24 1,2-Dichloropropane	63.00	12.089	(1.085)	857430	89.1	89.1
	25 Dichlorobromomethane	83.00	12.644	(1.135)	1722574	95.1	95.1
	26 2-Chloroethylvinyl ether	63.00	13.256	(1.190)	538787	93.2	93.2
	27 cis-1,3-Dichloropropylene	75.00	13.554	(1.217)	1196914	92.4	92.4
	28 Methyl-iso-butyl ketone	43.00	13.910	(0.803)	1594363	81.9	81.9
$	29 Toluene-D8 (SURR)	98.00	14.134	(0.816)	1835495	90.2	90.2

Data File: /chem/aux/msc.i/c110894.b/c9967.d
Report Date: 08-Nov-1994 14:55

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.722	(1.322)	1096965	92.3	92.3
	32 1,1,2-Trichloroethane	97.00	15.128	(1.358)	851135	88.9	88.9
	33 Tetrachloroethylene	164.00	15.484	(0.893)	1034532	90.7	90.7
	34 2-Hexanone	43.00	15.708	(0.906)	1205397	82.4	82.4
	35 Chlorodibromomethane	129.00	16.007	(1.437)	1645953	96.1	96.1
*	36 Chlorobenzene-d5	117.00	17.330	(1.000)	856910	50.0	
	37 Chlorobenzene	112.00	17.389	(1.003)	1779526	90.1	90.1
	38 Ethylbenzene	106.00	17.654	(1.019)	761573	88.9	88.9
	39 m+p-Xylenes	106.00	17.919	(1.034)	1848857	181	181
	40 o-Xylene	106.00	18.780	(1.084)	900758	89.1	89.1
	41 Styrene	104.00	18.822	(1.086)	1447187	94.6	94.6
	42 Bromoform	173.00	19.178	(1.722)	1505620	94.1	94.1
$	43 Bromofluorobenzene (SURR)	95.00	19.882	(1.147)	1372994	86.7	86.7
	44 1,1,2,2-Tetrachloroethane	83.00	20.172	(1.164)	1591244	82.7	82.7
	45 1,3-Dichlorobenzene	146.00	22.092	(1.275)	1871705	88.7	88.7
	46 1,4-Dichlorobenzene	146.00	22.267	(1.285)	2176574	89.8	89.8
	47 1,2-Dichlorobenzene	146.00	22.979	(1.326)	1859901	87.5	87.5

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



Data File: /chem/aux/msc.i/c110894.b/c9968.d

/chem/aux/msc.i/c110894.b/c9968.d

Data File: /chem/aux/msc.i/c110894.b/c9968.d
Report Date: 08-Nov-1994 14:54

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c110894.b/c9968.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 08-NOV-94 12:29
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : cal std#5 @ 200ppb (heated)
Misc Info : ma2420,ma2422,ma2421 (20ul/5ml)
Comment :
Method : /chem/aux/msc.i/c110894.b/8240newc.m
Meth Date : 08-Nov-1994 14:52
Cal Date : 08-NOV-94 12:29
Cal File: c9968.d
Als bottle: 8
Calibration Sample, Level: 5
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	1 Methyl chloride	50.00	3.289	(0.357)	722512	203	203
	2 Vinyl chloride	62.00	3.504	(0.380)	1121381	205	205
	3 Methyl bromide	94.00	4.065	(0.441)	1274886	195	195
	4 Chloroethane	64.00	4.215	(0.457)	583991	190	190
	5 Acrolein	56.00	5.534	(0.600)	416322	380	380
	6 1,1-Dichloroethylene	96.00	5.601	(0.607)	838326	137	137
	7 Acetone	43.00	5.966	(0.647)	742051	184	184
	8 Carbon disulfide	76.00	6.007	(0.651)	3237002	207	207
	9 Methylene chloride	84.00	6.536	(0.709)	1309820	190	190
	10 Acrylonitrile	53.00	7.049	(0.764)	488739	223	223
	11 1,2-Trans-dichloroethylene	96.00	6.958	(0.754)	1426464	203	203
	12 1,1-Dichloroethane	63.00	7.719	(0.837)	2499923	185	185
	13 1,2-cis-Dichloroethylene	96.00	8.793	(0.953)	1382976	194	194
	14 Methyl ethyl ketone	72.00	8.967	(0.804)	236273	181	181
*	15 Bromochloromethane	128.00	9.224	(1.000)	258317	50.0	
	16 Chloroform	83.00	9.406	(1.020)	3075659	187	187
	17 1,1,1-Trichloroethane	97.00	9.712	(0.871)	2695699	182	182
	18 Carbon tetrachloride	117.00	10.027	(0.899)	2652000	192	192
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.309	(1.118)	1805849	196	196
	20 Benzene	78.00	10.408	(0.933)	3198679	187	187
	21 1,2-Dichloroethane	62.00	10.450	(1.133)	2399800	186	186
*	22 1,4-Difluorobenzene	114.00	11.153	(1.000)	1079769	50.0	
	23 Trichloroethylene	130.00	11.667	(1.046)	1893922	190	190
	24 1,2-Dichloropropane	63.00	12.097	(1.085)	1636673	188	188
	25 Dichlorobromomethane	83.00	12.661	(1.135)	3211166	196	196
	2-Chloroethylvinyl ether	63.00	13.282	(1.191)	1096452	210	210
	cis-1,3-Dichloropropylene	75.00	13.572	(0.000)	2303645	197	197(M)
	28 Methyl-iso-butyl ketone	43.00	13.945	(0.805)	3435449	192	192
$	29 Toluene-D8 (SURR)	98.00	14.153	(0.817)	3400361	182	182

Data File: /chem/aux/msc.i/c110894.b/c9968.d
Report Date: 08-Nov-1994 14:54

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.294	(0.825)	2633727	111	111
	31 trans-1,3-Dichloropropylene	75.00	14.750	(1.322)	2162540	201	201
	32 1,1,2-Trichloroethane	97.00	15.140	(1.357)	1647252	190	190
	33 Tetrachloroethylene	164.00	15.489	(0.894)	1913272	183	183
	34 2-Hexanone	43.00	15.721	(0.907)	2704137	201	201
	35 Chlorodibromomethane	129.00	16.020	(1.436)	3260146	211	211
*	36 Chlorobenzene-d5	117.00	17.330	(1.000)	787433	50.0	
	37 Chlorobenzene	112.00	17.397	(1.004)	3301698	182	182
	38 Ethylbenzene	106.00	17.663	(1.019)	1432989	182	182
	39 m+p-Xylenes	106.00	17.929	(1.035)	3375304	359	359
	40 o-Xylene	106.00	18.792	(1.084)	1664221	179	179
	41 Styrene	104.00	18.825	(1.086)	2696392	192	192
	42 Bromoform	173.00	19.190	(1.721)	2994510	207	207
$	43 Bromofluorobenzene (SURR)	95.00	19.888	(1.148)	2542948	175	175
	44 1,1,2,2-Tetrachloroethane	83.00	20.179	(1.164)	3242102	183	183
	45 1,3-Dichlorobenzene	146.00	22.096	(1.275)	3374001	174	174
	46 1,4-Dichlorobenzene	146.00	22.270	(1.285)	3988760	179	179
	47 1,2-Dichlorobenzene	146.00	22.985	(1.326)	3462642	177	177

Q Flag Legend

M - Compound response manually integrated.

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:48

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0150.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 14:36
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111794.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.689	0.598	0.300	13.1	40.0	
	2 Vinyl chloride	1.058	0.905	0.010	14.4	25.0	
	3 Methyl bromide	1.264	1.055	0.010	16.6	40.0	
	4 Chloroethane	0.593	0.493	0.010	16.8	40.0	
	5 Acrolein	0.212	0.171	0.010	19.2	40.0	
	6 1,1-Dichloroethylene	1.185	1.095	0.010	7.6	25.0	
	7 Acetone	0.782	0.508	0.010	35.0	40.0	
	8 Carbon disulfide	3.025	2.447	0.010	19.1	40.0	
	9 Methylene chloride	1.337	1.099	0.010	17.8	40.0	
	10 Acrylonitrile	0.425	0.328	0.010	22.8	40.0	
	11 1,2-Trans-dichloroethylene	1.358	1.158	0.010	14.7	40.0	
	12 1,1-Dichloroethane	2.611	2.141	0.300	18.0	40.0	
	13 1,2-cis-Dichloroethylene	1.378	1.238	0.010	10.2	40.0	
	14 Methyl ethyl ketone	0.060	0.048	0.010	20.3	40.0	
	16 Chloroform	3.187	2.780	0.010	12.8	25.0	
	17 1,1,1-Trichloroethane	0.686	0.631	0.010	7.9	40.0	
	18 Carbon tetrachloride	0.640	0.573	0.010	10.5	40.0	
$	19 1,2-Dichloroethane-D4 (SURR)	1.782	1.652	0.010	7.2	40.0	
	20 Benzene	0.790	0.739	0.010	6.5	40.0	
	21 1,2-Dichloroethane	2.492	2.141	0.010	14.1	40.0	
	23 Trichloroethylene	0.463	0.424	0.010	8.3	40.0	
	24 1,2-Dichloropropane	0.403	0.347	0.010	13.8	25.0	
	25 Dichlorobromomethane	0.758	0.690	0.010	9.0	40.0	
	26 2-Chloroethylvinyl ether	0.242	0.193	0.010	20.1	40.0	
	27 cis-1,3-Dichloropropylene	0.542	0.437	0.010	19.3	40.0	
	28 Methyl-iso-butyl ketone	1.135	0.847	0.010	25.4	40.0	
$	29 Toluene-D8 (SURR)	1.187	1.098	0.010	7.5	40.0	
	30 Toluene	1.032	0.718	0.010	30.5	25.0	<-
	31 trans-1,3-Dichloropropylene	0.497	0.396	0.010	20.3	40.0	
	32 1,1,2-Trichloroethane	0.400	0.326	0.010	18.5	40.0	
	33 Tetrachloroethylene	0.665	0.593	0.010	10.9	40.0	
	34 2-Hexanone	0.853	0.645	0.010	24.4	40.0	
	35 Chlorodibromomethane	0.716	0.599	0.010	16.4	40.0	
	37 Chlorobenzene	1.152	1.052	0.300	8.7	40.0	
	38 Ethylbenzene	0.500	0.452	0.010	9.5	25.0	
	39 m+p-Xylenes	0.596	0.544	0.010	8.8	40.0	
	40 o-Xylene	0.590	0.544	0.010	7.8	40.0	
	41 Styrene	0.893	0.841	0.010	5.8	40.0	
	42 Bromoform	0.669	0.575	0.300	14.0	40.0	
$	43 Bromofluorobenzene (SURR)	0.924	0.908	0.010	1.7	40.0	

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:48

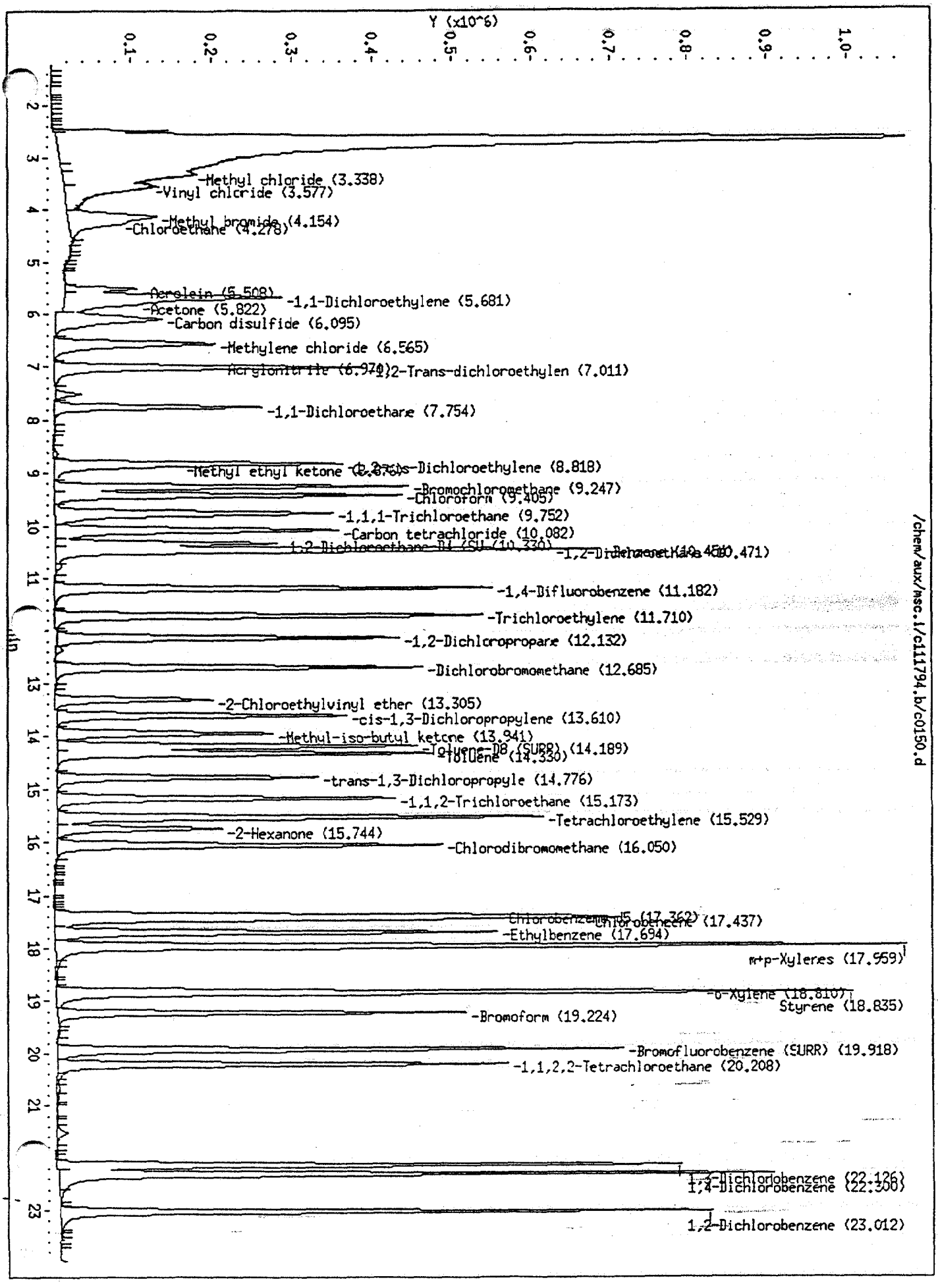
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0150.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 14:36
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111794.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	0.942	0.300	16.0	40.0
45 1,3-Dichlorobenzene	1.231	1.083	0.010	12.0	40.0
46 1,4-Dichlorobenzene	1.414	1.309	0.010	7.5	40.0
47 1,2-Dichlorobenzene	1.241	1.073	0.010	13.5	40.0


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
-Methyl chloride (3.338)
-Vinyl chloride (3.577)
-Methyl bromide (4.154)
-Chloroethane (4.278)
Acrolein (5.508)
-1,1-Dichloroethylene (5.681)
-Acetone (5.822)
-Carbon disulfide (6.095)
-Methylene chloride (6.565)
Acrylonitrile (6.970)
-trans-1,2-Trans-dichloroethylen (7.011)
-1,1-Dichloroethane (7.754)
-Methyl ethyl ketone (8.276)
-cis-1,2-Dichloroethylene (8.818)
-Bromochloromethane (9.247)
-Chloroform (9.405)
-1,1,1-Trichloroethane (9.752)
-Carbon tetrachloride (10.082)
1,2-Dichloroethane-D4 (SU (10.330)
-1,2-Dichloroethane (10.471)
-1,4-Difluorobenzene (11.182)
-Trichloroethylene (11.710)
-1,2-Dichloropropane (12.132)
-Dichlorobromomethane (12.685)
-2-Chloroethylvinyl ether (13.305)
-cis-1,3-Dichloropropylene (13.610)
-Methyl-iso-butyl ketone (13.941)
-Toluene-D8 (SURR) (14.189)
Toluene (14.330)
-trans-1,3-Dichloropropyle (14.776)
-1,1,2-Trichloroethane (15.173)
-Tetrachloroethylene (15.529)
-2-Hexanone (15.744)
-Chlorodibromomethane (16.050)
Chlorobenzene-D5 (17.362)
Chlorobenzene (17.437)
-Ethylbenzene (17.694)
m+p-Xyleres (17.959)
-o-Xylene (18.810)
Styrene (18.835)
-Bromoform (19.224)
-Bromofluorobenzene (SURR) (19.918)
-1,1,2,2-Tetrachloroethane (20.208)
1,3-Dichlorobenzene (22.126)
1,4-Dichlorobenzene (22.300)
1,2-Dichlorobenzene (23.012)
/chem/aux/msc.1/c111794.b/c0150.d

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:47

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111794.b/c0150.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 17-NOV-94 14:36
Autotune Date: (
Operator : dana
Inst ID: msc.i
Smp Info : vstd50 calib check .
Misc Info :
Comment :
Method : /chem/aux/msc.i/c111794.b/8240heatc.m
Meth Date : 17-Nov-1994 16:47
Cal Date : 17-NOV-94 14:36
Cal File: c0150.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.338	(0.361)	184873	43.4	43.4
	2 Vinyl chloride	62.00	3.577	(0.387)	279739	42.8	42.8
	3 Methyl bromide	94.00	4.154	(0.449)	325938	41.7	41.7
	4 Chloroethane	64.00	4.278	(0.463)	152452	41.6	41.6
	5 Acrolein	56.00	5.516	(0.596)	267089	204	204
	6 1,1-Dichloroethylene	96.00	5.673	(0.613)	338258	46.2	46.2
	7 Acetone	43.00	5.822	(0.630)	158297	32.7	32.7(a)
	8 Carbon disulfide	76.00	6.095	(0.659)	765119	40.9	40.9
	9 Methylene chloride	84.00	6.565	(0.710)	339742	41.1	41.1
	10 Acrylonitrile	53.00	6.970	(0.754)	101346	38.6	38.6(a)
	11 1,2-Trans-dichloroethylene	96.00	7.011	(0.758)	357766	42.6	42.6
	12 1,1-Dichloroethane	63.00	7.754	(0.838)	661710	41.0	41.0
	13 1,2-cis-Dichloroethylene	96.00	8.818	(0.954)	382593	44.9	44.9
	14 Methyl ethyl ketone	72.00	8.876	(0.794)	56135	39.8	39.8(a)
*	15 Bromochloromethane	128.00	9.247	(1.000)	309011	50.0	
	16 Chloroform	83.00	9.413	(1.018)	859012	43.6	43.6
	17 1,1,1-Trichloroethane	97.00	9.752	(0.872)	736794	46.0	46.0
	18 Carbon tetrachloride	117.00	10.074	(0.901)	668788	44.7	44.7
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.330	(1.117)	510620	46.4	46.4
	20 Benzene	78.00	10.446	(0.934)	862681	46.8	46.8
	21 1,2-Dichloroethane	62.00	10.471	(1.132)	661608	43.0	43.0
*	22 1,4-Difluorobenzene	114.00	11.182	(1.000)	1167574	50.0	
	23 Trichloroethylene	130.00	11.710	(1.047)	495467	45.8	45.8
	24 1,2-Dichloropropane	63.00	12.132	(1.085)	405057	43.1	43.1
	25 Dichlorobromomethane	83.00	12.685	(1.135)	805149	45.5	45.5
	26 2-Chloroethylvinyl ether	63.00	13.305	(1.190)	227072	40.2	40.2
	27 cis-1,3-Dichloropropylene	75.00	13.610	(1.217)	510357	40.3	40.3
	28 Methyl-iso-butyl ketone	43.00	13.949	(0.803)	660781	37.3	37.3(a)
$	29 Toluene-D8 (SURR)	98.00	14.181	(0.817)	856721	46.2	46.2

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:47

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
30	Toluene	92.00	14.330	(0.825)	559919	34.8	34.8
31	trans-1,3-Dichloropropylene	75.00	14.776	(1.321)	462440	39.8	39.8
32	1,1,2-Trichloroethane	97.00	15.173	(1.357)	380808	40.7	40.7
33	Tetrachloroethylene	164.00	15.537	(0.895)	462622	44.6	44.6
34	2-Hexanone	43.00	15.744	(0.907)	511076	38.4	38.4(a)
35	Chlorodibromomethane	129.00	16.058	(1.436)	699367	41.8	41.8
* 36	Chlorobenzene-d5	117.00	17.362	(1.000)	780333	50.0	
37	Chlorobenzene	112.00	17.437	(1.004)	820770	45.6	45.6
38	Ethylbenzene	106.00	17.694	(1.019)	352791	45.2	45.2
39	m+p-Xylenes	106.00	17.959	(1.034)	848800	91.2	91.2
40	o-Xylene	106.00	18.810	(1.083)	424661	46.1	46.1
41	Styrene	104.00	18.843	(1.085)	656456	47.1	47.1
42	Bromoform	173.00	19.224	(1.719)	671301	43.0	43.0
$ 43	Bromofluorobenzene (SURR)	95.00	19.918	(1.147)	708712	49.2	49.2
44	1,1,2,2-Tetrachloroethane	83.00	20.208	(1.164)	735304	42.0	42.0
45	1,3-Dichlorobenzene	146.00	22.126	(1.274)	845176	44.0	44.0
46	1,4-Dichlorobenzene	146.00	22.300	(1.284)	1021278	46.3	46.3
47	1,2-Dichlorobenzene	146.00	23.012	(1.325)	837445	43.2	43.2

Q Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0173.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 11:32
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111894.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.689	0.523	0.300	24.1	40.0	
	2 Vinyl chloride	1.058	0.889	0.010	16.0	25.0	
	3 Methyl bromide	1.264	1.077	0.010	14.8	40.0	
	4 Chloroethane	0.593	0.513	0.010	13.5	40.0	
	5 Acrolein	0.212	0.208	0.010	1.9	40.0	
	6 1,1-Dichloroethylene	1.185	1.105	0.010	6.8	25.0	
	7 Acetone	0.782	0.662	0.010	15.4	40.0	
	8 Carbon disulfide	3.025	2.400	0.010	20.7	40.0	
	9 Methylene chloride	1.337	1.134	0.010	15.2	40.0	
	10 Acrylonitrile	0.425	0.354	0.010	16.5	40.0	
	11 1,2-Trans-dichloroethylene	1.358	1.184	0.010	12.8	40.0	
	12 1,1-Dichloroethane	2.611	2.253	0.300	13.7	40.0	
	13 1,2-cis-Dichloroethylene	1.378	1.246	0.010	9.5	40.0	
	14 Methyl ethyl ketone	0.060	0.056	0.010	6.9	40.0	
	16 Chloroform	3.187	2.992	0.010	6.1	25.0	
	17 1,1,1-Trichloroethane	0.686	0.716	0.010	4.5	40.0	
	18 Carbon tetrachloride	0.640	0.687	0.010	7.3	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.782	2.042	0.010	14.6	40.0	
	20 Benzene	0.790	0.742	0.010	6.1	40.0	
	21 1,2-Dichloroethane	2.492	2.526	0.010	1.3	40.0	
	23 Trichloroethylene	0.463	0.442	0.010	4.5	40.0	
	24 1,2-Dichloropropane	0.403	0.355	0.010	11.7	25.0	
	25 Dichlorobromomethane	0.758	0.718	0.010	5.2	40.0	
	26 2-Chloroethylvinyl ether	0.242	0.211	0.010	12.9	40.0	
	27 cis-1,3-Dichloropropylene	0.542	0.472	0.010	12.8	40.0	
	28 Methyl-iso-butyl ketone	1.135	1.067	0.010	6.0	40.0	
S	29 Toluene-D8 (SURR)	1.187	1.156	0.010	2.7	40.0	
	30 Toluene	1.032	0.745	0.010	27.8	25.0	<-
	31 trans-1,3-Dichloropropylene	0.497	0.440	0.010	11.5	40.0	
	32 1,1,2-Trichloroethane	0.400	0.354	0.010	11.7	40.0	
	33 Tetrachloroethylene	0.665	0.647	0.010	2.7	40.0	
	34 2-Hexanone	0.853	0.807	0.010	5.4	40.0	
	35 Chlorodibromomethane	0.716	0.668	0.010	6.8	40.0	
	37 Chlorobenzene	1.152	1.103	0.300	4.2	40.0	
	38 Ethylbenzene	0.500	0.467	0.010	6.6	25.0	
	39 m+p-Xylenes	0.596	0.556	0.010	6.8	40.0	
	40 o-Xylene	0.590	0.556	0.010	5.7	40.0	
	41 Styrene	0.893	0.856	0.010	4.1	40.0	
	42 Bromoform	0.669	0.642	0.300	4.0	40.0	
S	43 Bromofluorobenzene (SURR)	0.924	0.950	0.010	2.8	40.0	

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

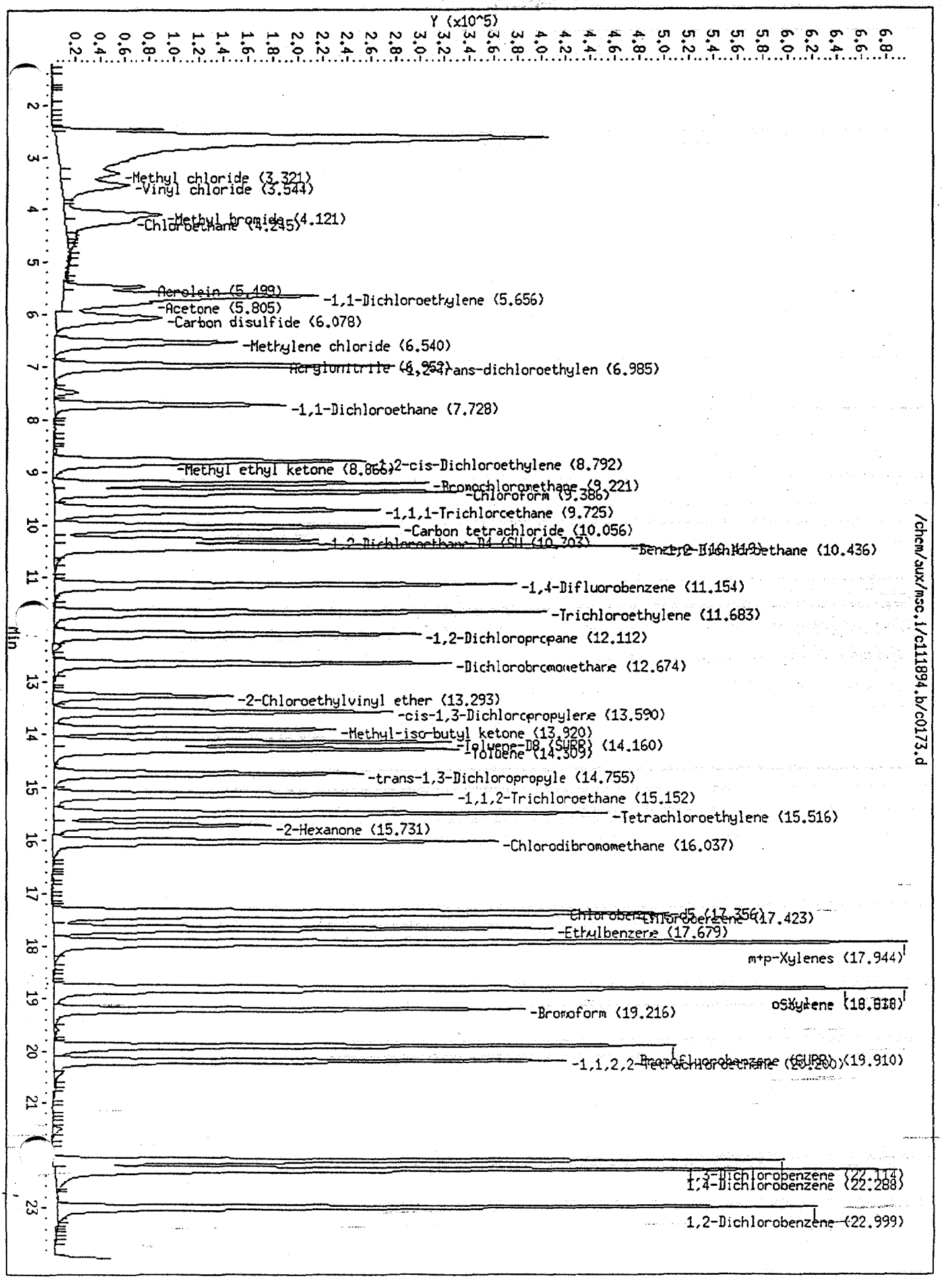
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0173.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 11:32
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111894.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	1.045	0.300	6.9	40.0
45 1,3-Dichlorobenzene	1.231	1.215	0.010	1.3	40.0
46 1,4-Dichlorobenzene	1.414	1.450	0.010	2.5	40.0
47 1,2-Dichlorobenzene	1.241	1.269	0.010	2.3	40.0



Data File: /chem/aux/msc.i/c111894.b/c0173.d

/chem/aux/msc.i/c111894.b/c0173.d

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111894.b/c0173.d
Lab. Id. :
Inj Date : 18-NOV-94 11:32
Operator : dana
Smp Info : vstd50
Misc Info :
Comment :
Method : /chem/aux/msc.i/c111894.b/8240heatc.m
Meth Date : 18-Nov-1994 12:02
Cal Date : 18-NOV-94 11:32
Als bottle: 4
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i

Cal File: c0173.d
Continuing Calibration Sample
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methyl chloride	50.00	3.321	(0.360)	110090	38.0	38.0
2	Vinyl chloride	62.00	3.544	(0.384)	187272	42.0	42.0
3	Methyl bromide	94.00	4.129	(0.447)	226787	42.6	42.6
4	Chloroethane	64.00	4.245	(0.460)	108065	43.2	43.2
5	Acrolein	56.00	5.491	(0.595)	220941	247	247
6	1,1-Dichloroethylene	96.00	5.664	(0.614)	232615	46.6	46.6
7	Acetone	43.00	5.805	(0.629)	140425	42.6	42.6(a)
8	Carbon disulfide	76.00	6.086	(0.659)	511360	40.1	40.1
9	Methylene chloride	84.00	6.540	(0.709)	238718	42.4	42.4
10	Acrylonitrile	53.00	6.952	(0.753)	74614	41.7	41.7(a)
11	1,2-Trans-dichloroethylene	96.00	6.985	(0.757)	249314	43.6	43.6
12	1,1-Dichloroethane	63.00	7.728	(0.837)	474372	43.1	43.1
13	1,2-cis-Dichloroethylene	96.00	8.792	(0.953)	262484	45.2	45.2
14	Methyl ethyl ketone	72.00	8.866	(0.795)	43583	46.5	46.5(a)
* 15	Bromochloromethane	128.00	9.229	(1.000)	210578	50.0	
16	Chloroform	83.00	9.386	(1.017)	629992	46.9	46.9
17	1,1,1-Trichloroethane	97.00	9.725	(0.873)	555927	52.2	52.2
18	Carbon tetrachloride	117.00	10.056	(0.902)	533184	53.6	53.6
S 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.303	(1.116)	430024	57.3	57.3
20	Benzene	78.00	10.419	(0.935)	575659	46.9	46.9
21	1,2-Dichloroethane	62.00	10.444	(1.132)	531841	50.7	50.7
* 22	1,4-Difluorobenzene	114.00	11.146	(1.000)	776274	50.0	
23	Trichloroethylene	130.00	11.691	(1.049)	343195	47.8	47.8
24	1,2-Dichloropropane	63.00	12.104	(1.086)	275793	44.1	44.1
25	Dichlorobromomethane	83.00	12.665	(1.136)	557733	47.4	47.4
	2-Chloroethylvinyl ether	63.00	13.284	(1.192)	164527	43.8	43.8
	cis-1,3-Dichloropropylene	75.00	13.590	(1.219)	366642	43.6	43.6
28	Methyl-iso-butyl ketone	43.00	13.920	(0.802)	544534	47.0	47.0(a)
S 29	Toluene-D8 (SURR)	98.00	14.160	(0.816)	589566	48.7	48.7

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.301	(0.824)	380288	36.1	36.1
	31 trans-1,3-Dichloropropylene	75.00	14.747	(1.323)	341495	44.2	44.2
	32 1,1,2-Trichloroethane	97.00	15.160	(1.360)	274553	44.2	44.2
	33 Tetrachloroethylene	164.00	15.516	(0.894)	330251	48.6	48.6
	34 2-Hexanone	43.00	15.731	(0.906)	418369	48.1	48.1(a)
	35 Chlorodibromomethane	129.00	16.045	(1.440)	518449	46.6	46.6
*	36 Chlorobenzene-d5	117.00	17.356	(1.000)	510125	50.0	
	37 Chlorobenzene	112.00	17.423	(1.004)	562819	47.9	47.9
	38 Ethylbenzene	106.00	17.688	(1.019)	238068	46.7	46.7
	39 m+p-Xylenes	106.00	17.936	(1.033)	566801	93.2	93.2
	40 o-Xylene	106.00	18.811	(1.084)	283777	47.1	47.1
	41 Styrene	104.00	18.836	(1.085)	436836	48.0	48.0
	42 Bromoform	173.00	19.208	(1.723)	498570	48.0	48.0
$	43 Bromofluorobenzene (SURR)	95.00	19.910	(1.147)	484661	51.4	51.4
	44 1,1,2,2-Tetrachloroethane	83.00	20.200	(1.164)	533199	46.6	46.6
	45 1,3-Dichlorobenzene	146.00	22.114	(1.274)	619598	49.3	49.3
	46 1,4-Dichlorobenzene	146.00	22.288	(1.284)	739683	51.3	51.3
	47 1,2-Dichlorobenzene	146.00	23.007	(1.326)	647602	51.2	51.2

Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/aux/msc.i/c111994.b/c0195.d
Report Date: 19-Nov-1994 16:55

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0195.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 19-NOV-94 16:20
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111994.b/8240ambic.m

	COMPOUND	RRF	RFSD	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.579	0.516	0.300	10.9	40.0
	2 Vinyl chloride	1.020	0.811	0.010	20.5	25.0
	3 Methyl bromide	1.271	1.042	0.010	18.0	40.0
	4 Chloroethane	0.582	0.470	0.010	19.3	40.0
	5 Acrolein	0.087	0.092	0.010	6.3	40.0
	6 1,1-Dichloroethylene	1.259	1.093	0.010	13.2	25.0
	7 Acetone	0.269	0.256	0.010	4.9	40.0
	8 Carbon disulfide	2.825	2.252	0.010	20.3	40.0
	9 Methylene chloride	1.283	1.070	0.010	16.6	40.0
	10 Acrylonitrile	0.213	0.168	0.010	23.1	40.0
	11 1,2-Trans-dichloroethylene	1.317	1.156	0.010	12.2	40.0
	12 1,1-Dichloroethane	2.365	2.025	0.300	14.4	40.0
	13 1,2-cis-Dichloroethylene	1.384	1.190	0.010	14.0	40.0
	14 Methyl ethyl ketone	0.023	0.021	0.010	7.9	40.0
	16 Chloroform	2.908	2.773	0.010	4.6	25.0
	17 1,1,1-Trichloroethane	0.557	0.646	0.010	15.8	40.0
	18 Carbon tetrachloride	0.542	0.623	0.010	14.9	40.0
S	19 1,2-Dichloroethane-D4 (SURR)	1.506	1.607	0.010	6.7	40.0
	20 Benzene	0.791	0.673	0.010	14.8	40.0
	21 1,2-Dichloroethane	1.931	2.010	0.010	4.1	40.0
	23 Trichloroethylene	0.469	0.445	0.010	5.0	40.0
	24 1,2-Dichloropropane	0.370	0.320	0.010	13.5	25.0
	25 Dichlorobromomethane	0.620	0.669	0.010	8.0	40.0
	26 2-Chloroethylvinyl ether	0.172	0.150	0.010	12.3	40.0
	27 cis-1,3-Dichloropropylene	0.469	0.447	0.010	4.6	40.0
	28 Methyl-iso-butyl ketone	0.483	0.445	0.010	7.8	40.0
S	29 Toluene-D8 (SURR)	1.158	1.242	0.010	7.3	40.0
	30 Toluene	0.758	0.768	0.010	1.2	25.0
	31 trans-1,3-Dichloropropylene	0.383	0.365	0.010	4.6	40.0
	32 1,1,2-Trichloroethane	0.332	0.295	0.010	11.3	40.0
	33 Tetrachloroethylene	0.549	0.649	0.010	18.2	40.0
	34 2-Hexanone	0.307	0.262	0.010	14.5	40.0
	35 Chlorodibromomethane	0.541	0.586	0.010	8.3	40.0
	37 Chlorobenzene	1.068	1.047	0.300	2.0	40.0
	38 Ethylbenzene	0.480	0.455	0.010	5.3	25.0
	39 m-p-Xylenes	0.563	0.529	0.010	6.0	40.0
	40 o-Xylene	0.569	0.537	0.010	5.6	40.0
	41 Styrene	0.862	0.817	0.010	5.3	40.0
	42 Bromoform	0.382	0.473	0.300	23.9	40.0
S	43 Bromofluorobenzene (SURR)	0.829	0.884	0.010	6.6	40.0

Data File: /chem/aux/msc.i/c111994.b/c0195.d
Report Date: 19-Nov-1994 16:55

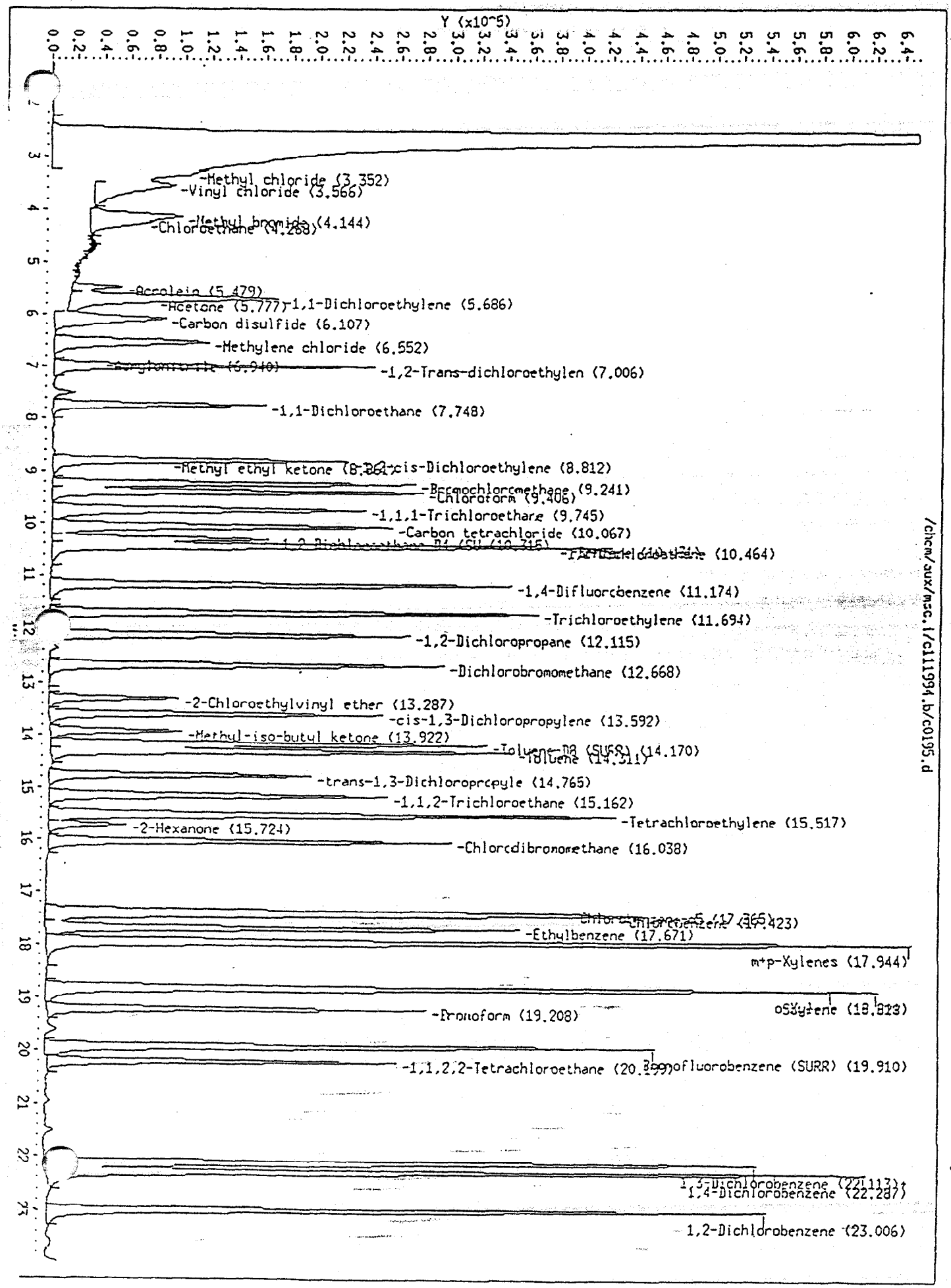
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0195.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 19-NOV-94 16:20
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111994.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.669	0.670	0.300	0.1	40.0
45 1,3-Dichlorobenzene	0.916	1.176	0.010	28.3	40.0
46 1,4-Dichlorobenzene	1.043	1.413	0.010	35.5	40.0
47 1,2-Dichlorobenzene	0.909	1.172	0.010	28.9	40.0



Data File: /chem/aux/msc.i/c111994.b/c0195.d

/chem/aux/msc.i/c111994.b/c0195.d

Data File: /chem/aux/msc.i/c111994.b/c0195.d
Report Date: 19-Nov-1994 16:54

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0195.d
Lab. Id. : Quant Type: ISTD
Inj Date : 19-NOV-94 16:20 Autotune Date: (
Operator : dana Inst ID: msc.i
Smp Info : vstd50 ambient
Misc Info : ma2423,2424,2420,2435,2421 5ul/5ml
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 19-Nov-1994 16:48
Cal Date : 19-NOV-94 16:20 Cal File: c0195.d
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	1 Methyl chloride	50.00	3.352	(0.363)	104177	44.6	44.6
	2 Vinyl chloride	62.00	3.566	(0.386)	163555	39.8	39.8
	3 Methyl bromide	94.00	4.135	(0.448)	210298	41.0	41.0
	4 Chloroethane	64.00	4.268	(0.462)	94774	40.4	40.4
	5 Acrolein	56.00	5.479	(0.593)	93990	268	268
	6 1,1-Dichloroethylene	96.00	5.677	(0.614)	220522	43.4	43.4
	7 Acetone	43.00	5.777	(0.625)	52031	47.9	47.9(a)
	8 Carbon disulfide	76.00	6.107	(0.661)	459682	40.3	40.3
	9 Methylene chloride	84.00	6.560	(0.710)	215831	41.7	41.7
	10 Acrylonitrile	53.00	6.940	(0.751)	33902	38.5	38.5(a)
	11 1,2-Trans-dichloroethylene	96.00	7.006	(0.758)	233259	43.9	43.9
	12 1,1-Dichloroethane	63.00	7.740	(0.838)	408460	42.8	42.8
	13 1,2-cis-Dichloroethylene	96.00	8.812	(0.954)	240015	43.0	43.0
	14 Methyl ethyl ketone	72.00	8.861	(0.792)	16251	46.0	46.0(a)
*	15 Bromochloromethane	128.00	9.241	(1.000)	201728	50.0	
	16 Chloroform	83.00	9.406	(1.018)	559414	47.7	47.7
	17 1,1,1-Trichloroethane	97.00	9.745	(0.871)	498396	57.9	57.9
	18 Carbon tetrachloride	117.00	10.067	(0.900)	481087	57.5	57.5
S	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.315	(1.116)	324193	53.4	53.4
	20 Benzene	78.00	10.431	(0.933)	519755	42.6	42.6
	21 1,2-Dichloroethane	62.00	10.464	(1.132)	405565	52.0	52.0
*	22 1,4-Difluorobenzene	114.00	11.182	(1.000)	771354	50.0	
	23 Trichloroethylene	130.00	11.694	(1.046)	343612	47.5	47.5
	24 1,2-Dichloropropane	63.00	12.115	(1.083)	246661	43.2	43.2
	25 Dichlorobromomethane	83.00	12.668	(1.133)	516464	54.0	54.0
	26 2-Chloroethylvinyl ether	63.00	13.287	(1.188)	116348	44.1	44.1
	27 cis-1,3-Dichloropropylene	75.00	13.592	(1.216)	345112	47.7	47.7
	28 Methyl-iso-butyl ketone	43.00	13.922	(0.802)	226760	46.1	46.1(a)
S	29 Toluene-D8 (SURR)	98.00	14.170	(0.816)	632643	53.7	53.7

	Compounds	QUANT SIC MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.311	(0.824)	390903	50.6	50.6
	31 trans-1,3-Dichloropropylene	75.00	14.774	(1.321)	282044	47.7	47.7
	32 1,1,2-Trichloroethane	97.00	15.154	(1.355)	227506	44.4	44.4
	33 Tetrachloroethylene	164.00	15.517	(0.894)	330257	59.1	59.1
	34 2-Hexanone	43.00	15.724	(0.905)	135653	43.4	43.4(a)
	35 Chlorodibromomethane	129.00	16.046	(1.435)	452547	54.2	54.2
*	36 Chlorobenzene-d5	117.00	17.365	(1.000)	509250	50.0	
	37 Chlorobenzene	112.00	17.423	(1.003)	533303	49.0	49.0
	38 Ethylbenzene	106.00	17.671	(1.018)	231487	47.4	47.4
	39 m+p-Xylenes	106.00	17.936	(1.033)	539218	94.0	94.0
	40 o-Xylene	106.00	18.811	(1.083)	273680	47.2	47.2
	41 Styrene	104.00	18.828	(1.084)	415886	47.4	47.4
	42 Bromoform	173.00	19.216	(1.718)	364820	61.9	61.9
$	43 Bromofluorobenzene (SURR)	95.00	19.910	(1.147)	449973	53.3	53.3
	44 1,1,2,2-Tetrachloroethane	83.00	20.191	(1.163)	341045	50.0	50.0
	45 1,3-Dichlorobenzene	146.00	22.113	(1.273)	598780	64.2	64.2
	46 1,4-Dichlorobenzene	146.00	22.287	(1.273)	719331	67.7	67.7(M)
	47 1,2-Dichlorobenzene	146.00	23.006	(1.325)	596650	64.5	64.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075

Lab File ID (Standard): C0150 Date Analyzed: 11/17/94

Instrument ID: MSC.I Time Analyzed: 14:36

GC Column: _____ ID: _____(mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	309011	9.25	1167574	11.18	780333	17.36
	UPPER LIMIT	618022	9.75	2335148	11.68	1560666	17.86
	LOWER LIMIT	154505	8.75	583787	10.68	390166	16.86
	EPA SAMPLE NO.						
01	VBLK01	282157	9.22	995009	11.16	657342	17.35
02	VSPK01	274963	9.22	1044710	11.16	721090	17.36
03	A0155-49MS	162497	9.21	547236 *	11.16	367553 *	17.36
04	A0155-49MSD	231654	9.22	765187	11.17	442188	17.37
05							
06							
07							
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19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075

Lab File ID (Standard): C0173 Date Analyzed: 11/18/94

Instrument ID: MSC.F Time Analyzed: 11:32

GC Column: _____ ID: _____(mm) Heated Purge: (Y/N) Y

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	210578	9.23	776274	11.15	510125	17.36
UPPER LIMIT	421156	9.73	1552548	11.65	1020250	17.86
LOWER LIMIT	105289	8.73	388137	10.65	255062	16.86
EPA SAMPLE NO.						
01 CLJDW5151	160462	9.22	457625	11.16	167408 *	17.36
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075

Lab File ID (Standard): C0195 Date Analyzed: 11/19/94

Instrument ID: msc.e Time Analyzed: 16:20

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	201728	9.24	771864	11.18	509250	12.37
	UPPER LIMIT	403456	9.74	1543728	11.68	1018500	12.87
	LOWER LIMIT	100864	8.74	385932	10.68	254625	11.87
	EPA SAMPLE NO.						
01	VBLK01	196511	9.23	715632	11.18	510050	17.36
02	CLJDW5075	184531	9.21	731042	11.15	466643	17.36
03	VSPK01	195162	9.22	736435	11.16	534257	17.36
04	CLJDW5075MS	198619	9.20	770689	11.13	511815	17.35
05	CLJDW5075MSD	199360	9.22	767122	11.16	517314	17.36
06	CLJDW5151D2	203483	9.21	645847	11.15	254431 *	17.36
07	VBLK01	202955	9.21	776848	11.15	513190	17.36
08	VSPK01	198617	9.21	738914	11.15	531837	17.36
09	RB-01A/BMS	195321	9.22	717364	11.17	517686	17.36
10	RB-01A/BMSD	194018	9.21	736084	11.15	515313	17.35
11	CLJDW5102	192667	9.22	660682	11.16	477927	17.34
12	FB01A/B	205484	9.21	759540	11.15	532623	17.35
13	RB-01A/B	203660	9.23	762076	11.16	518640	17.36
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4V4035V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0196

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: not dec. Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl Chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene Chloride	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-35-4	1,1-Dichloroethene	250	U
75-34-3	1,1-Dichloroethane	250	U
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	250	U
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	Methyl-iso-butyl ketone	500	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethylene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	75	J
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	140	J
156-60-5	1,2-Trans-dichloroethylene	250	U

00170
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4V4035V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0196

Level: (low/med) LOW Date Received: 11/10/94

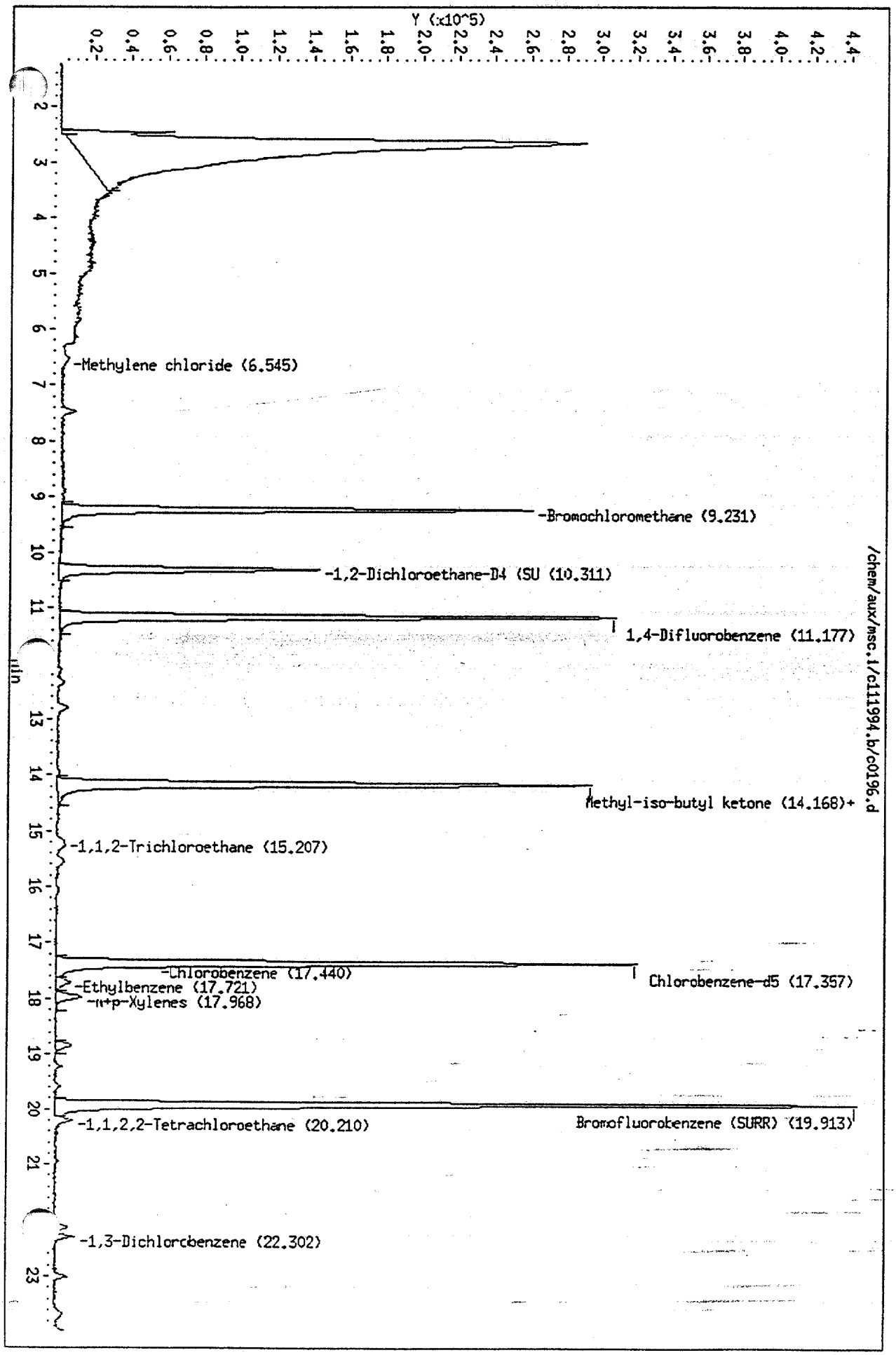
% Moisture: not dec. Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



Data File: /chem/aux/msc.i/c111994.b/c0196.d
Date : 19-NOV-94 16:53
Instrument : msc.i
Sample ID : n4v4035v
Column phase : J&W DB_624
Volume Injected (ul.) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0196.d
Report Date: 21-Nov-1994 07:58

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0196.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 19-NOV-94 16:53
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : met blk
Misc Info : n4v4035v,n4v4035,s:m2,5.00,5.00:50,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:53 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 24
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
9 Methylene chloride	84.00	6.545	(0.709)	5889	1.40	~~1.40(aQ)~~
3 Bromochloromethane	128.00	9.231	(1.000)	196511	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.303	(1.116)	274137	43.4	43.4
* 22 1,4-Difluorobenzene	114.00	11.177	(1.000)	715632	50.0	
28 Methyl-iso-butyl ketone	43.00	14.160	(0.816)	4776	1.05	~~1.05(aQ)~~
$ 29 Toluene-D8 (SURR)	98.00	14.168	(0.816)	580312	45.8	45.8
32 1,1,2-Trichloroethane	97.00	15.207	(1.361)	4864	1.15	~~1.15(aQ)~~
* 36 Chlorobenzene-d5	117.00	17.357	(1.000)	510050	50.0	
37 Chlorobenzene	112.00	17.440	(1.005)	12602	1.18	~~1.18(aQ)~~
38 Ethylbenzene	106.00	17.721	(1.021)	6859	1.48	~~1.48(a)~~
39 m+p-Xylenes	106.00	17.968	(1.035)	15310	2.83	2.83(a)
$ 43 Bromofluorobenzene (SURR)	95.00	19.913	(1.147)	447808	49.7	49.7
44 1,1,2,2-Tetrachloroethane	83.00	20.210	(1.164)	10239	1.50	1.50(a)
45 1,3-Dichlorobenzene	146.00	22.302	(1.285)	14332	1.19	1.19(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c111994.b/c0196.d

Date : 19-NOV-94 16:53

Instrument : msc.i

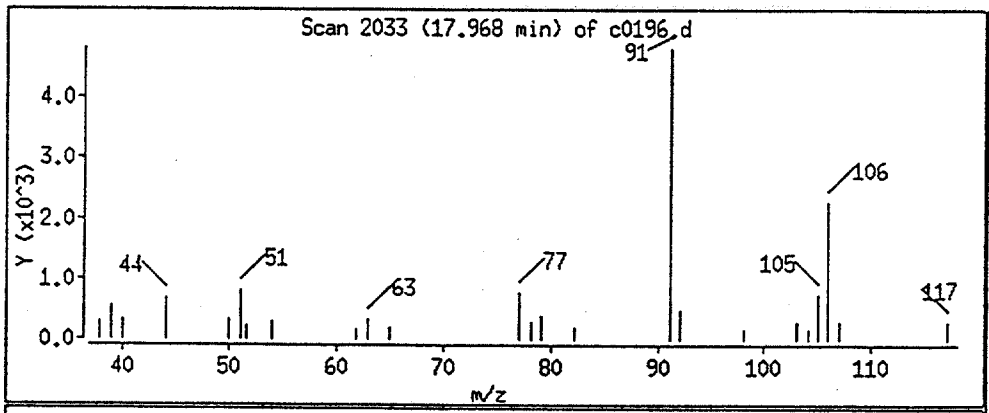
Sample ID : n4v4035v

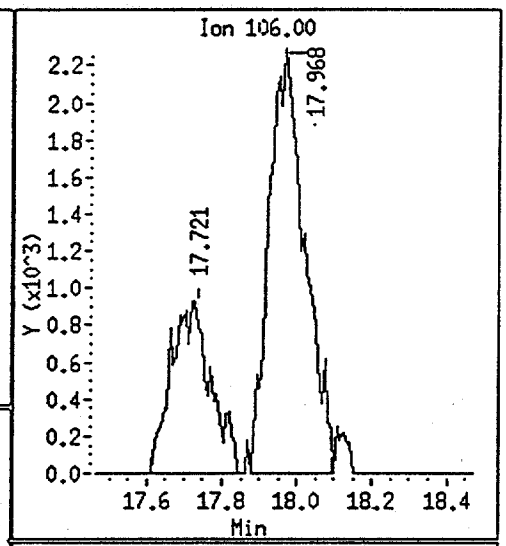
Column phase : J&W DB_624

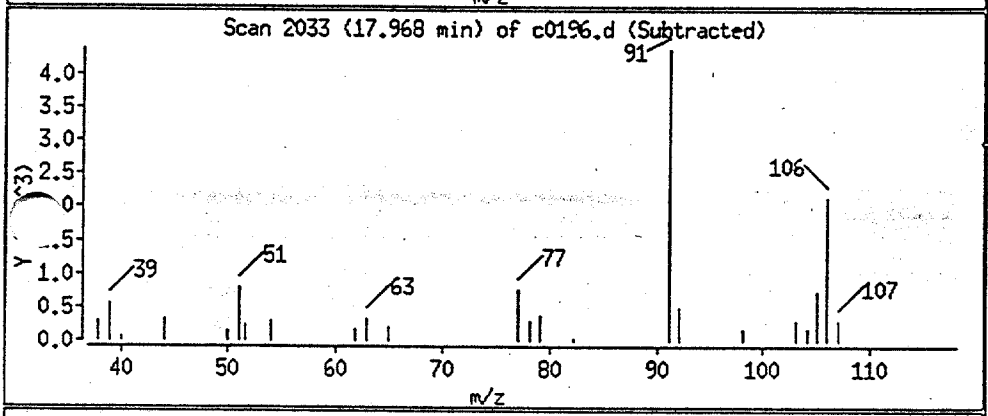
Column diameter : 0.53

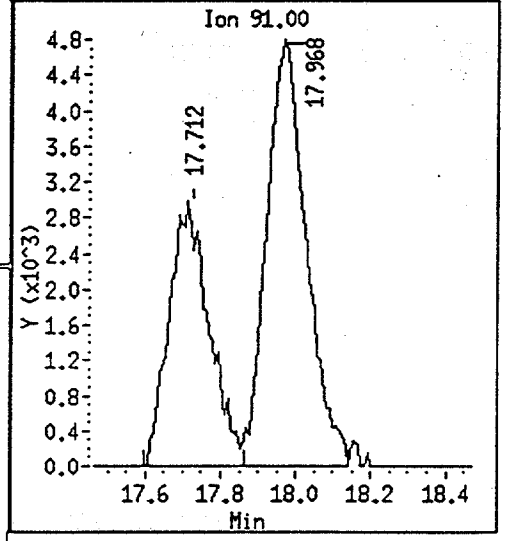
Volume Injected (uL) : 0.0

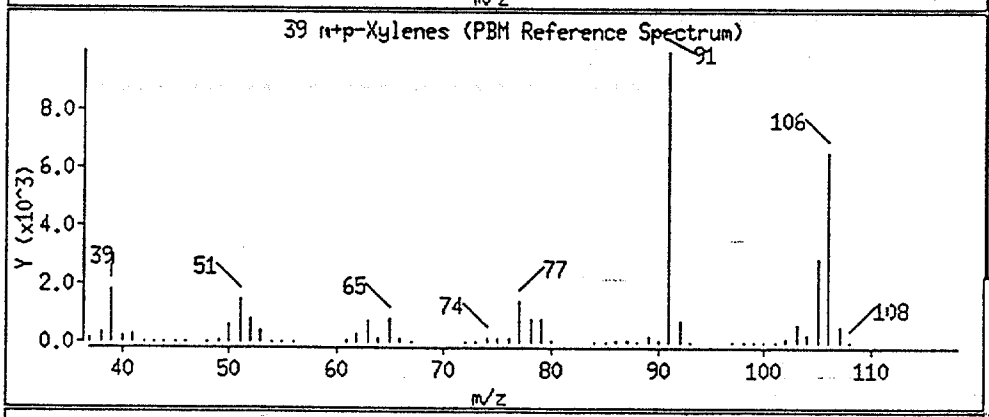
39 m+p-Xylenes

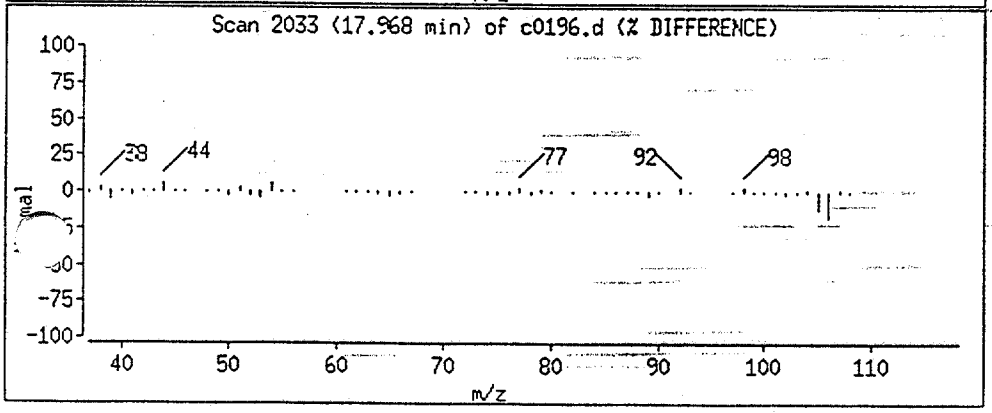












Data File: /chem/aux/msc.i/c111994.b/c0196.d

Date : 19-NOV-94 16:53

Instrument : msc.i

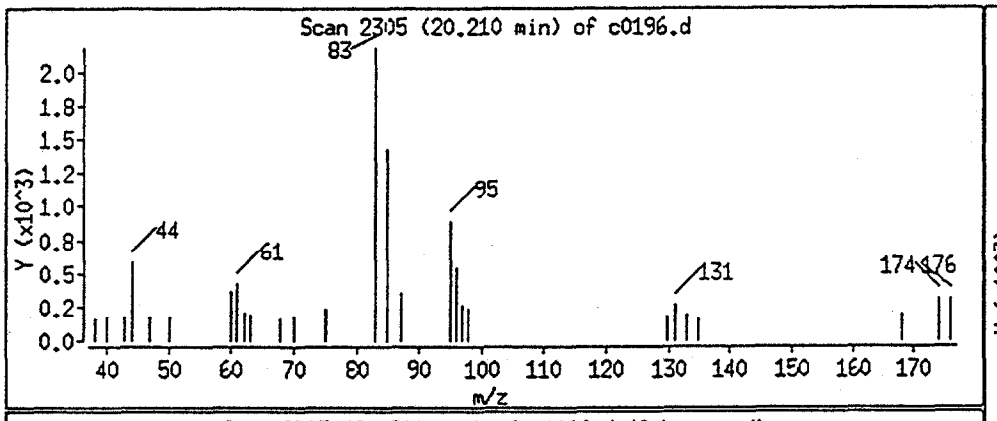
Sample ID : n4v4035v

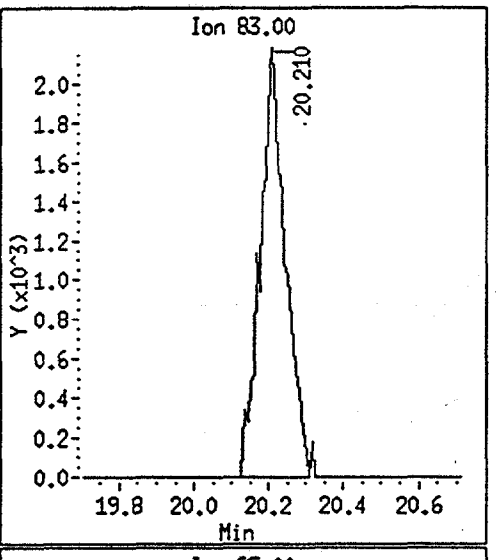
Column phase : J&W DB_624

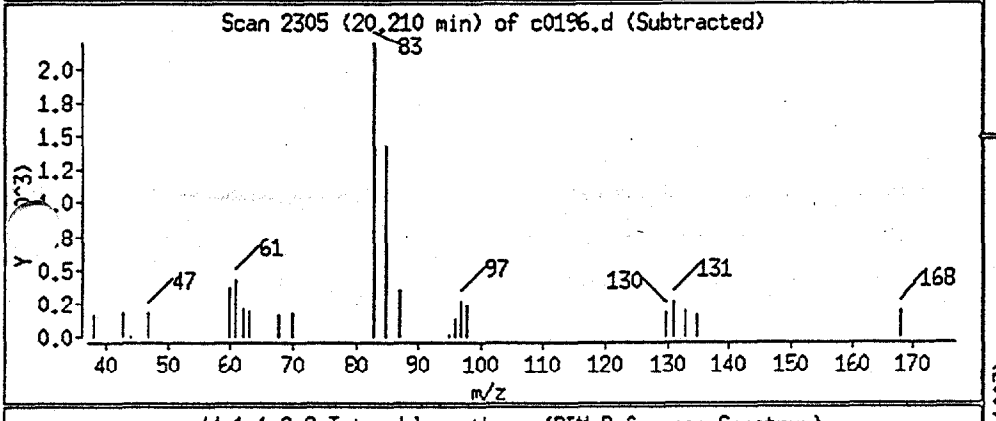
Column diameter : 0.53

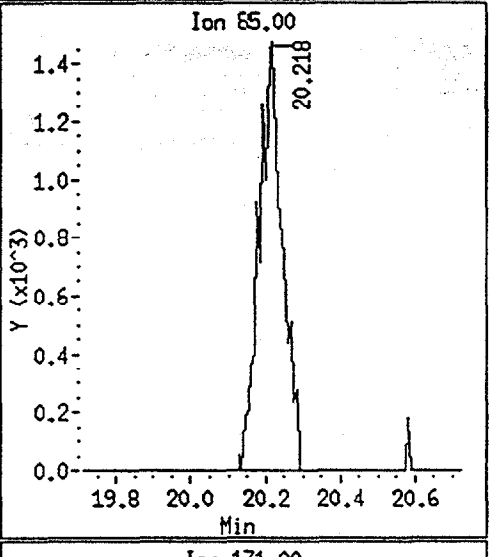
Volume Injected (uL) : 0.0

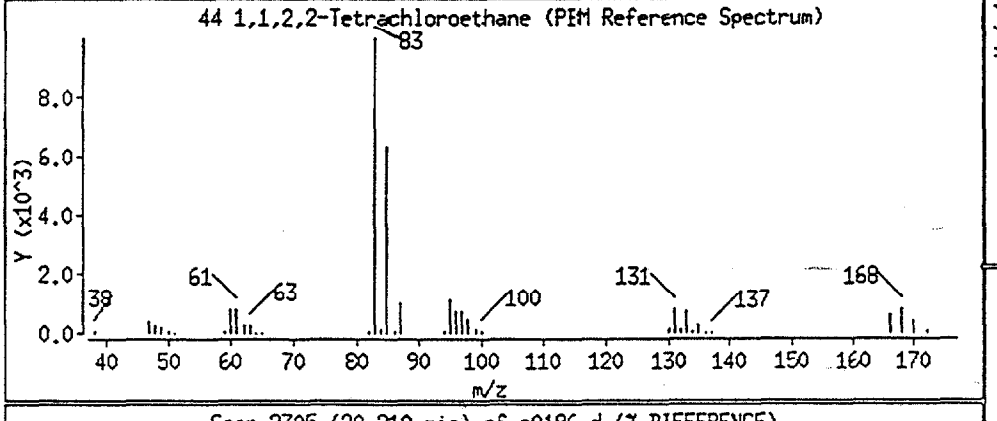
44 1,1,2,2-Tetrachloroethane

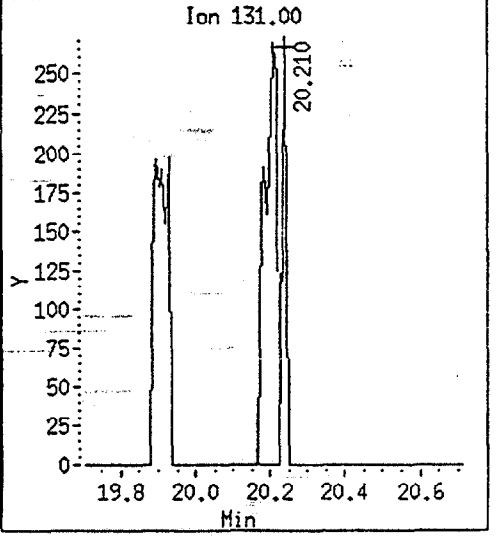


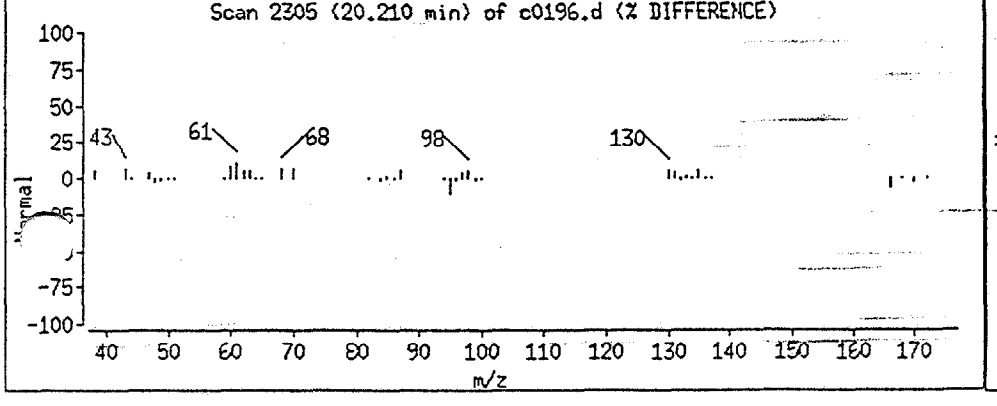












1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 00175

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS~~102~~ 005

Matrix: (soil/water) WATER Lab Sample ID: N1V4036V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0208

Level: (low/med) LOW Date Received: 11/10/95

% Moisture: not dec. _____ Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	Methyl-iso-butyl ketone	10	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethylene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	1	J
156-60-5	1,2-Trans-dichloroethylene	5	U

00176

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS~~102~~075

Matrix: (soil/water) WATER Lab Sample ID: N1V4036V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0208

Level: (low/med) LOW Date Received: 11/10/95

% Moisture: not dec. _____ Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

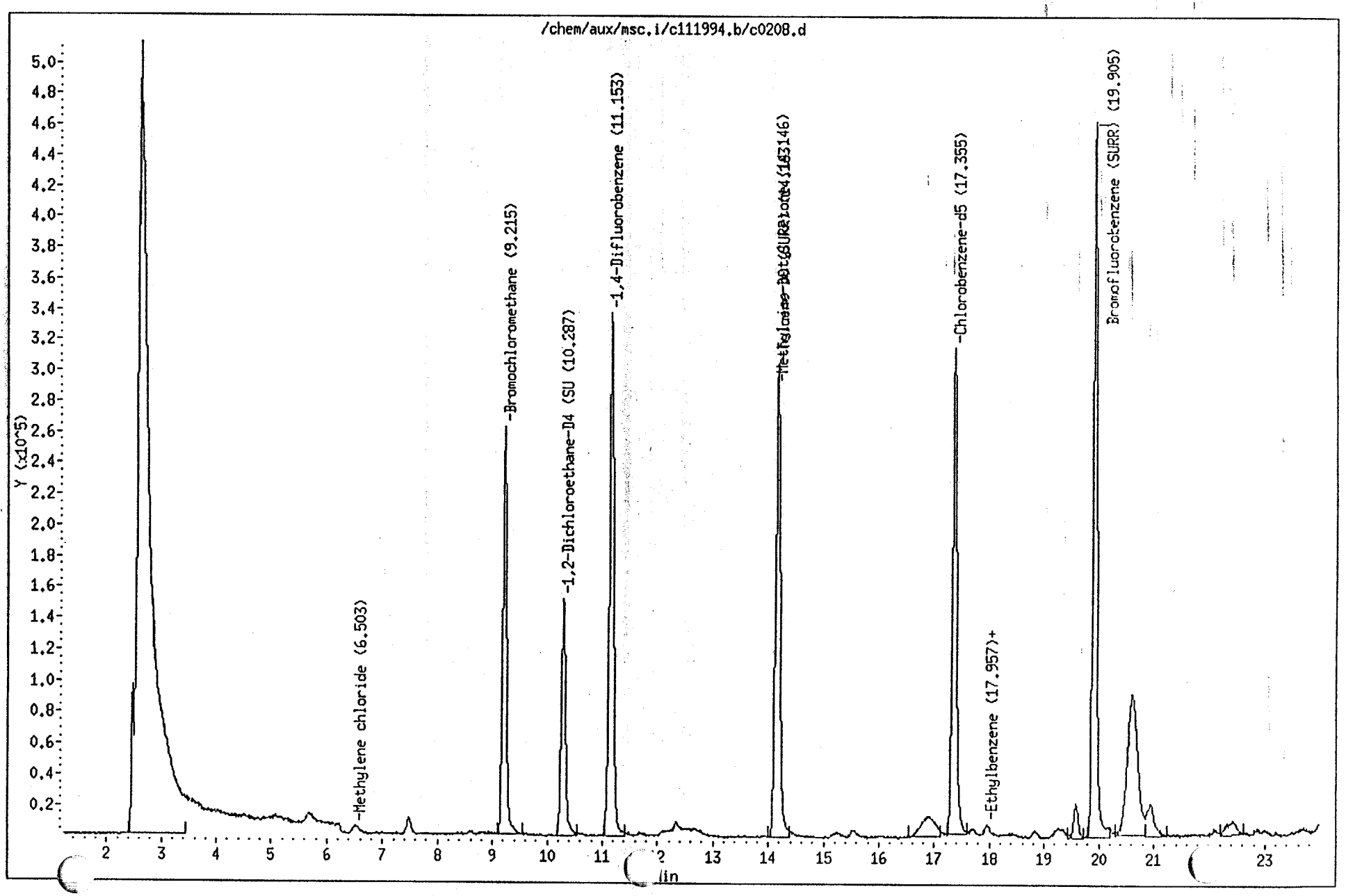
Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk hydrocarbon	16.88	7	J
2. 634-66-2	Benzene, 1,2,3,4-tetrachloro	20.59	35	JN
3.	unknown	20.93	5	J

00177

Data File: /chem/aux/msc.i/c111994.b/c0208.d
Date : 19-NOV-94 23:02
Instrument : msc.i
Sample ID : n1v4036v
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53



Data File: /chem/aux/msc.i/c111994.b/c0208.d
Report Date: 21-Nov-1994 07:58

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0208.d
Lab. Id. :
Inj Date : 19-NOV-94 23:02
Operator : dana
Smp Info : met blk
Misc Info : n1v4036v,n1v4036,1:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:53 jeff
Cal Date : 19-NOV-94 16:20
Als bottle: 35
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i
Cal File: c0195.d
Target Version: Target 3.00
Compound Sublist: all.sub

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
Methylene chloride	84.00	6.503	(0.706)	9385	2.16	2.16 (aQ)
* 25 Bromochloromethane	128.00	9.215	(1.000)	202955	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.287	(1.116)	280986	43.1	43.1
* 22 1,4-Difluorobenzene	114.00	11.153	(1.000)	776848	50.0	
28 Methyl-iso-butyl ketone	43.00	14.146	(0.815)	5504	1.20	~~1.20 (aQ)~~ MS
$ 29 Toluene-D8 (SURR)	98.00	14.155	(0.815)	605595	47.5	47.5
* 36 Chlorobenzene-d5	117.00	17.363	(1.000)	513190	50.0	
38 Ethylbenzene	106.00	17.957	(1.034)	6924	1.48	~~1.48 (aQ)~~ RT
39 m+p-Xylenes	106.00	17.957	(1.034)	6924	1.27	1.27 (aQ)
$ 43 Bromofluorobenzene (SURR)	95.00	19.905	(1.146)	468087	51.6	51.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c111994.b/c0208.d

Date : 19-NOV-94 23:02

Instrument : msc.i

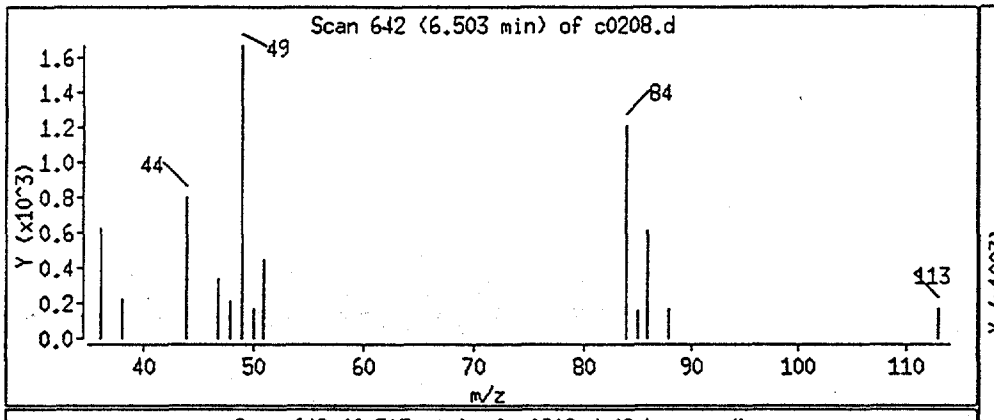
Sample ID : n1v4036v

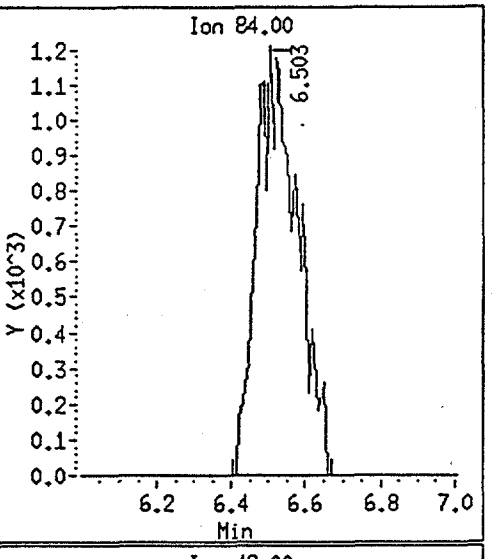
Column phase : J&W DB_624

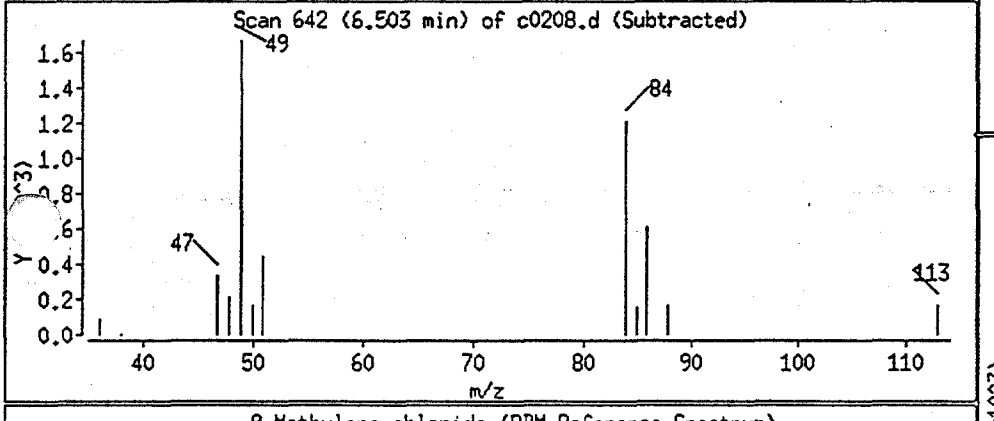
Column diameter : 0.53

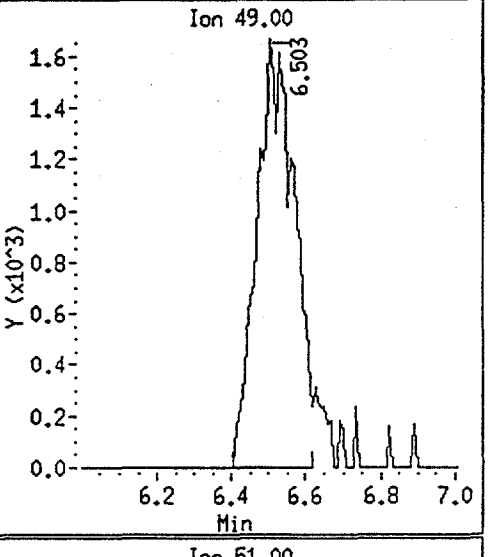
Volume Injected (uL) : 0.0

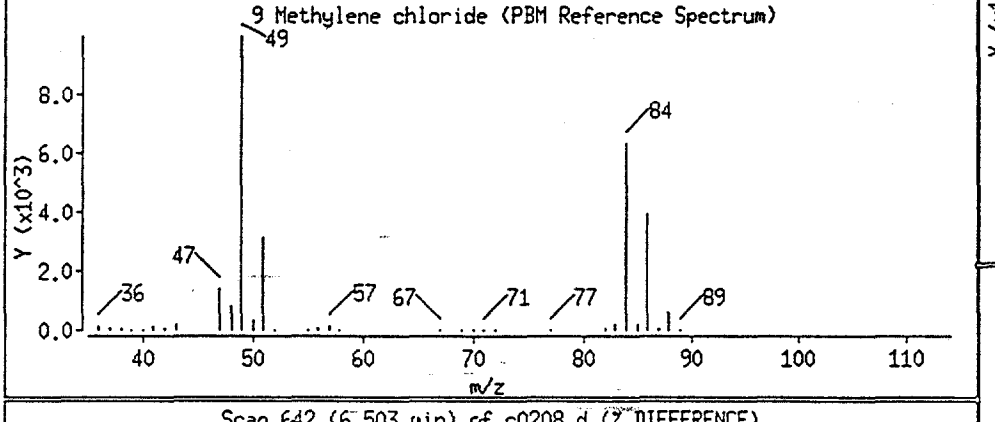
9 Methylene chloride

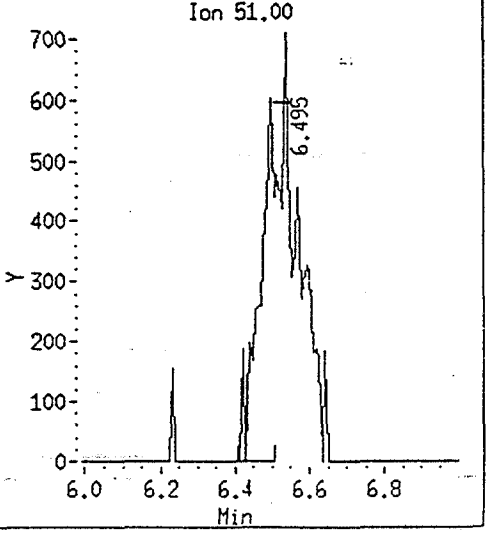


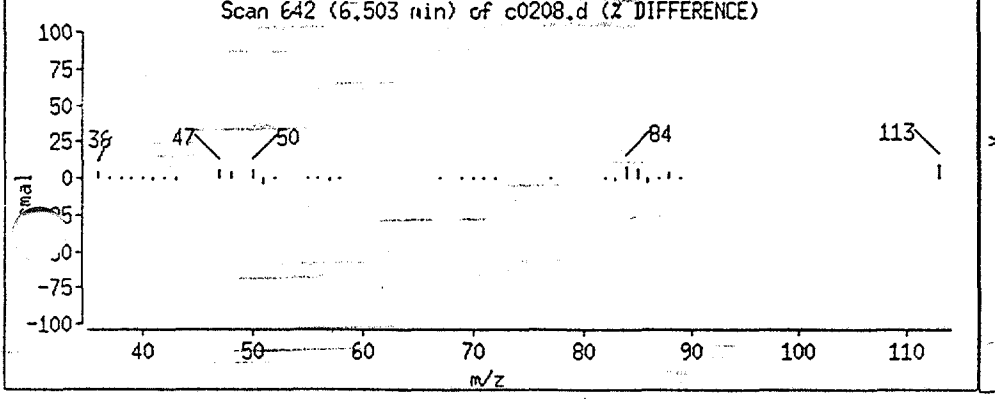












Data File: /chem/aux/msc.i/c111994.b/c0208.d

Date : 19-NOV-94 23:02

Instrument : msc.i

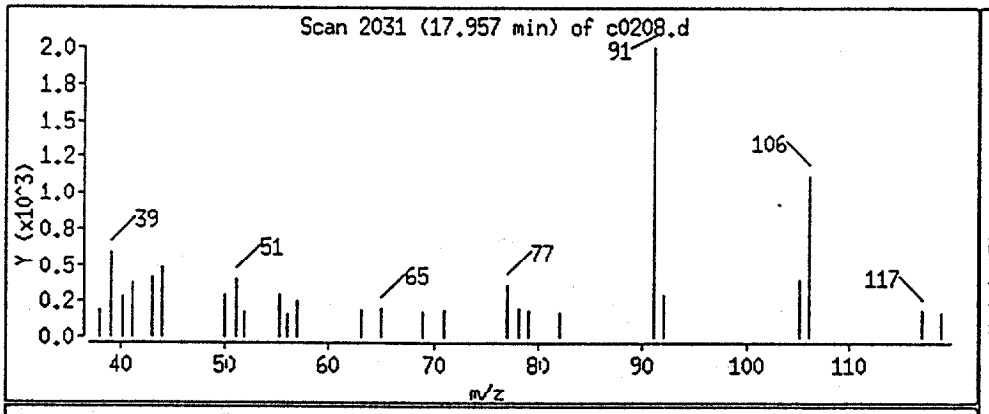
Sample ID : n1v4036v

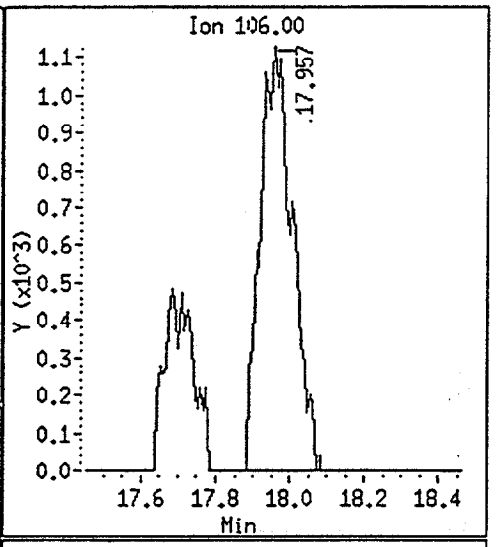
Column phase : J&W DB_624

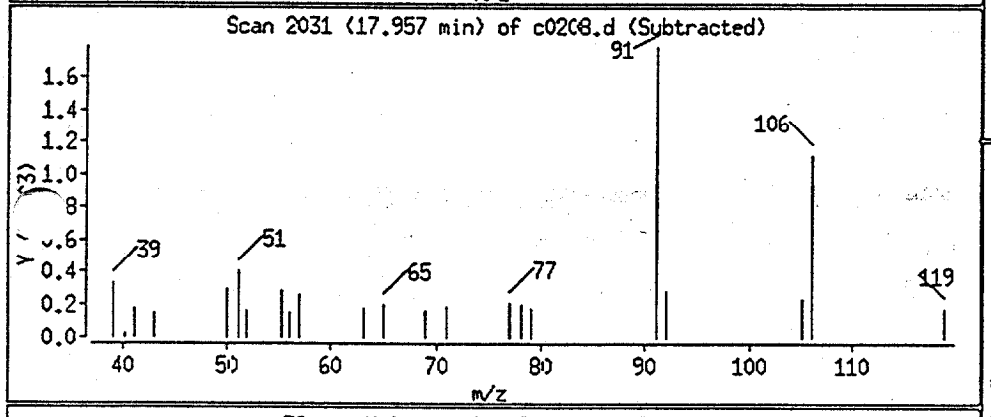
Column diameter : 0.53

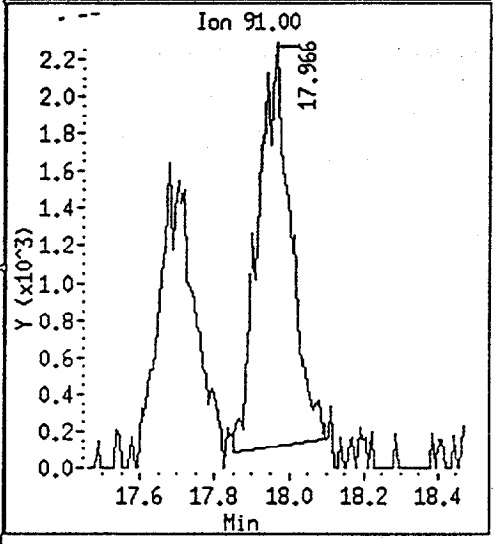
Volume Injected (uL) : 0.0

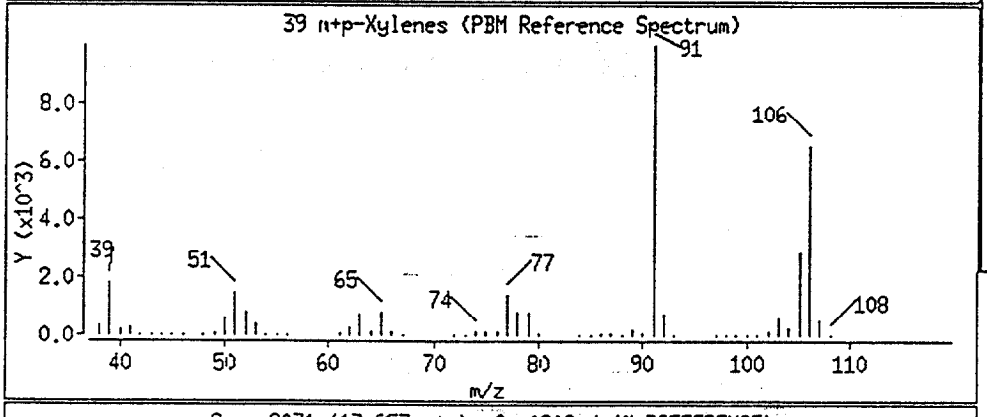
39 m+p-Xylenes

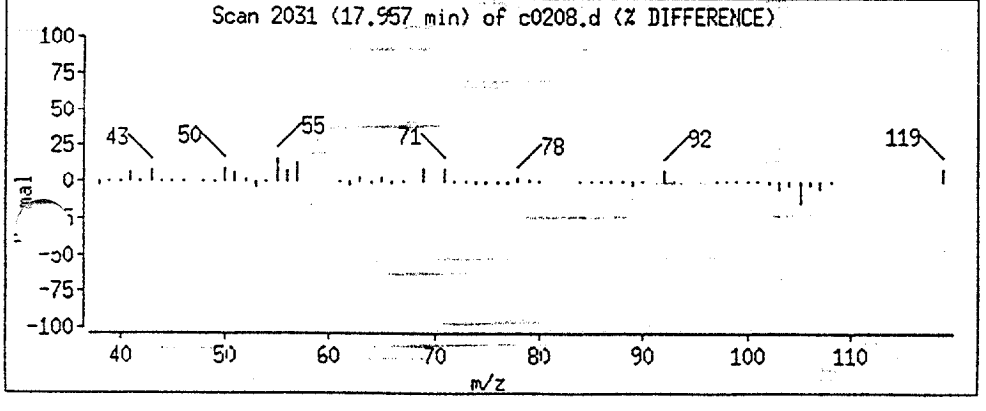












Data File: /chem/aux/msc.i/c111994.b/c0208.d

Date : 19-NOV-94 23:02

Instrument : msc.i

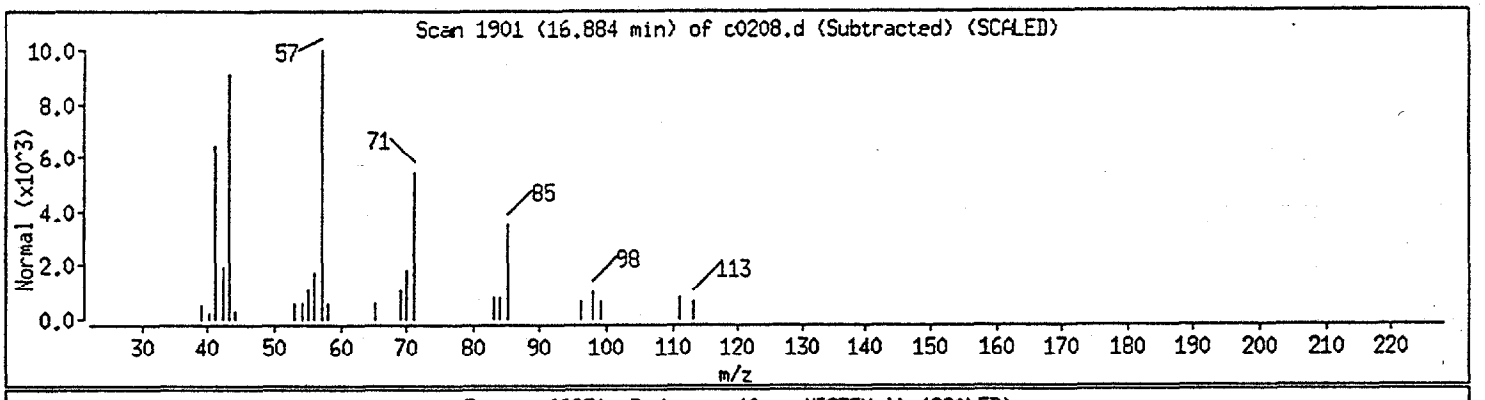
Sample ID : n1v4036v

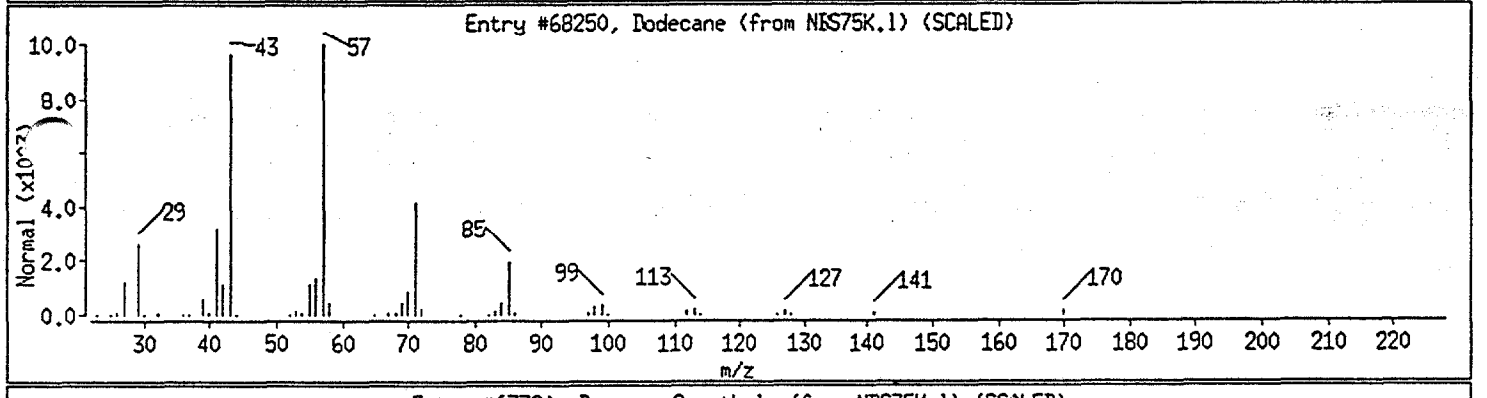
Column phase : J&W DB_624

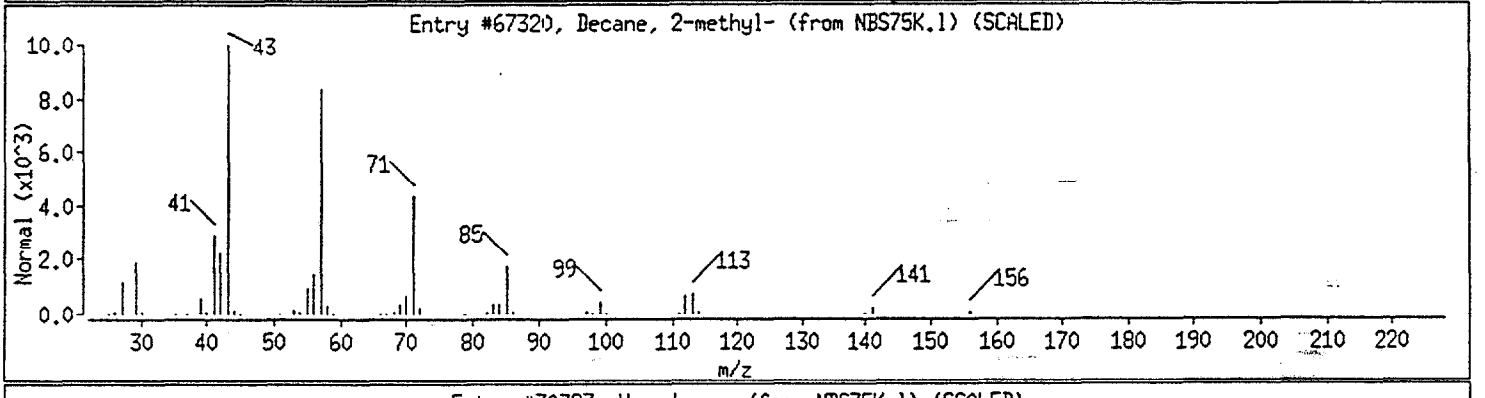
Column diameter : 0.53

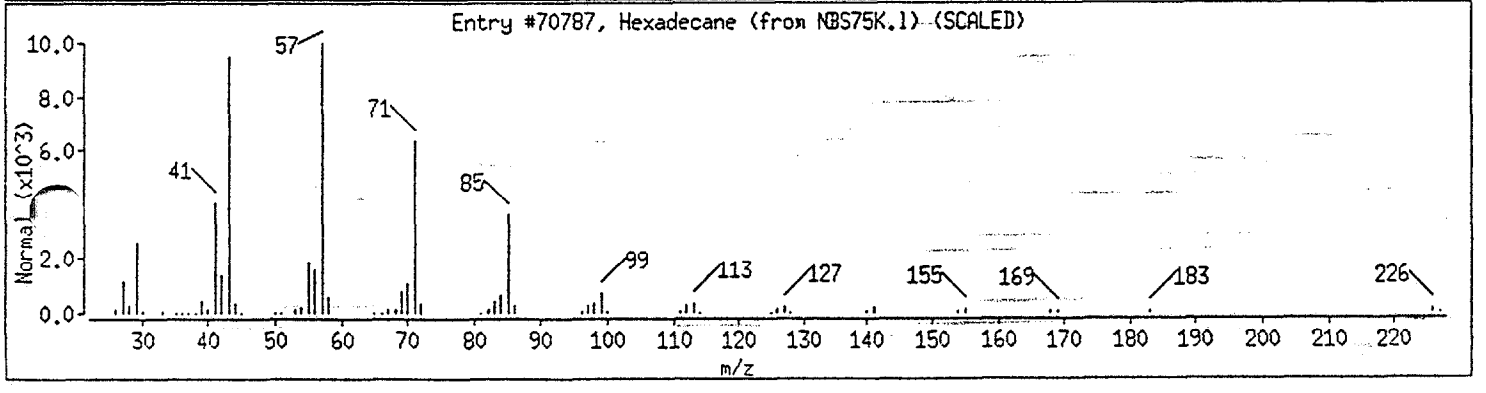
Volume Injected (uL) : 0.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Dodecane	112-40-3	NBS75K.1	68250	72
Decane, 2-methyl-	6975-98-0	NBS75K.1	67320	72
Hexadecane	544-76-3	NBS75K.1	70787	64



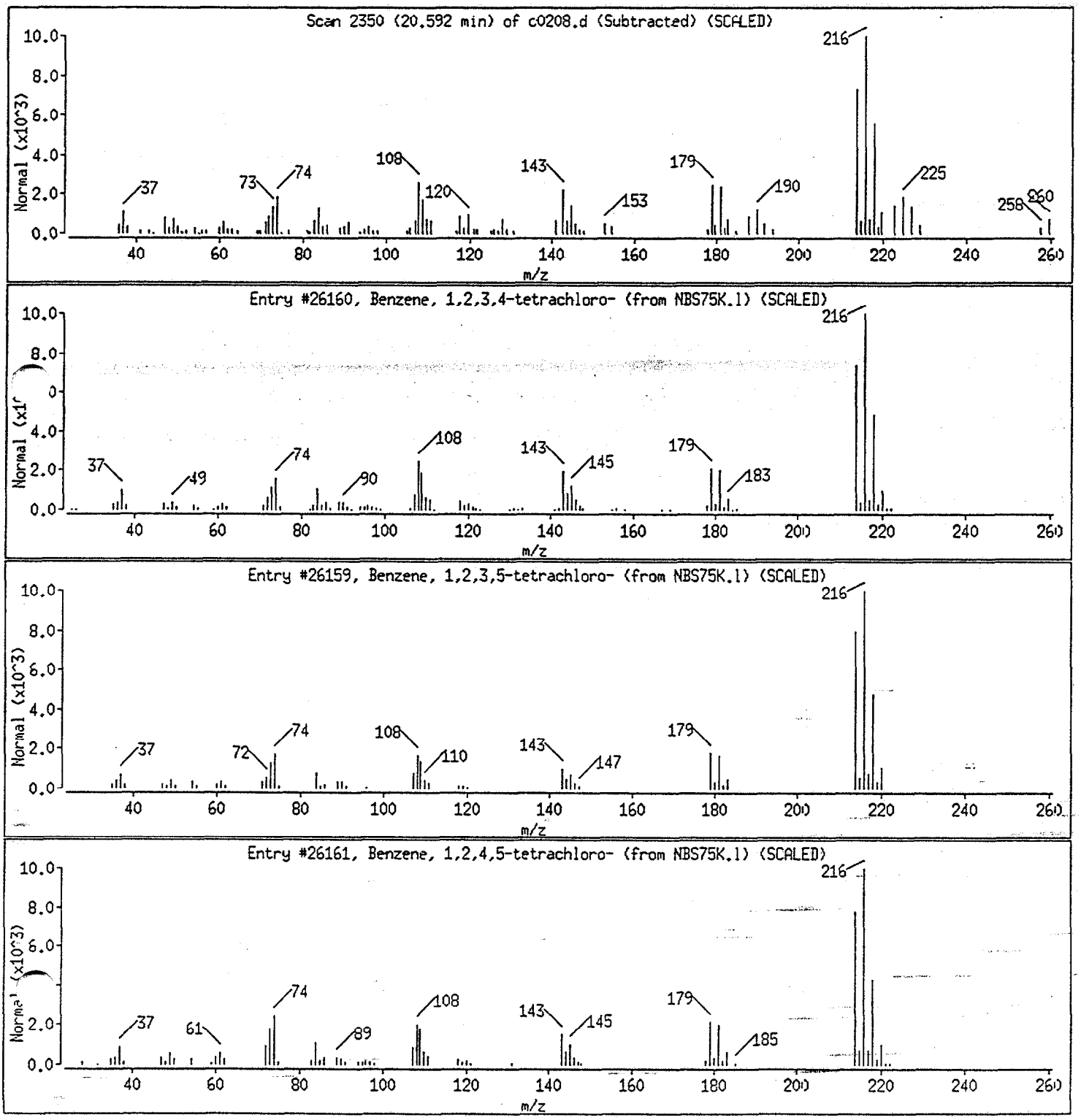






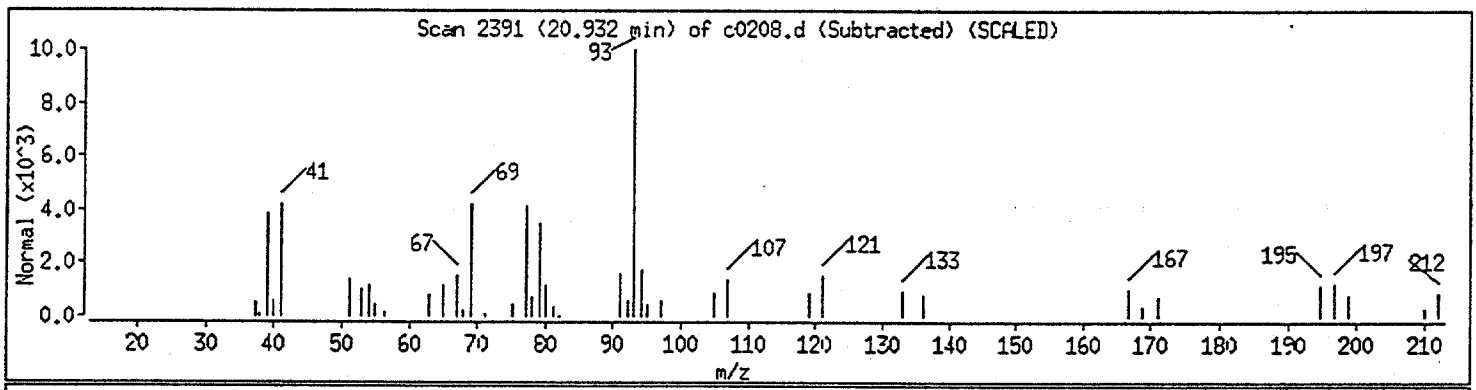
Data File: /chem/aux/msc.i/c111994.b/c0208.d
Date : 19-NOV-94 23:02
Instrument : msc.i
Sample ID : n1v4036v
Column phase : J&W DB_624
Column diameter : 0.53
Volume Injected (uL) : 0.0

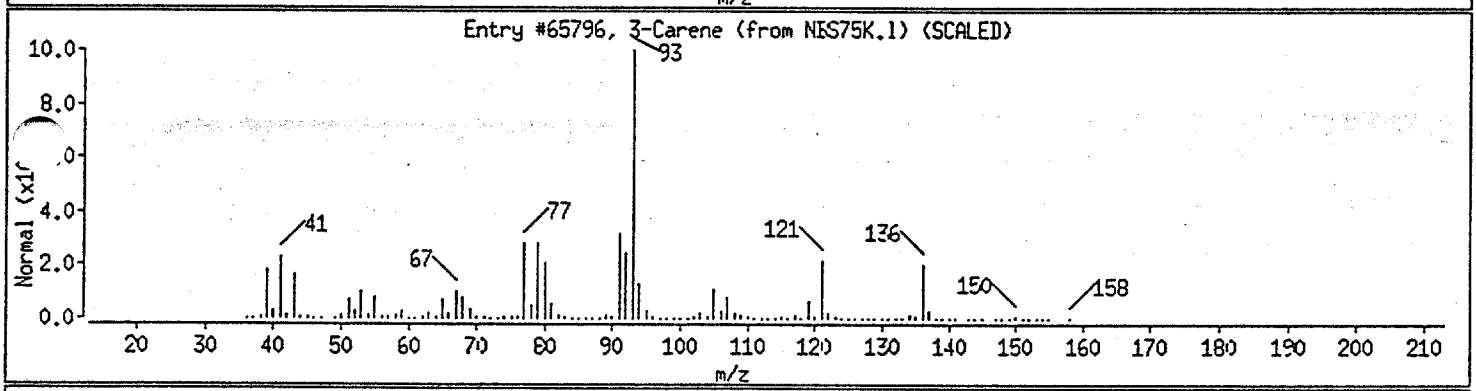
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Benzene, 1,2,3,4-tetrachloro-	634-66-2	NBS75K.1	26160	99
Benzene, 1,2,3,5-tetrachloro-	634-90-2	NBS75K.1	26159	97
Benzene, 1,2,4,5-tetrachloro-	95-94-3	NBS75K.1	26161	96

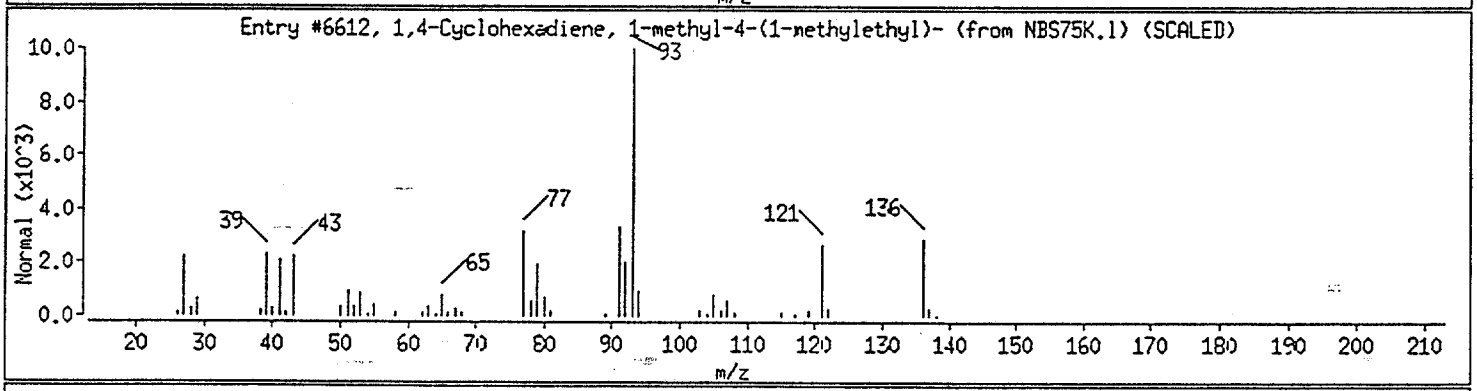


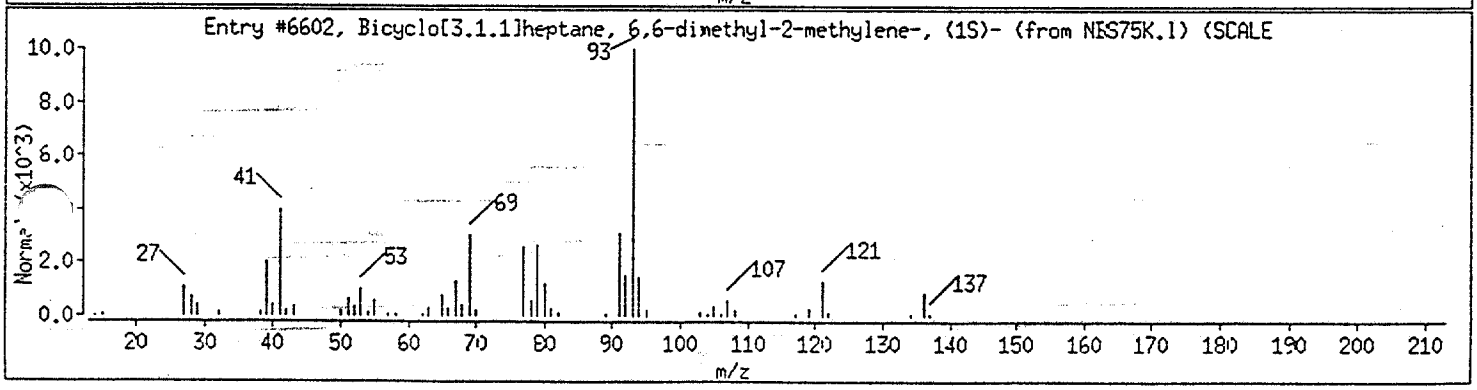
Data File: /chem/aux/msc.i/c111994.b/c0208.d
Date : 19-NOV-94 23:02
Instrument : msc.i
Sample ID : n1v4036v
Column phase : J&W DB_624
Column diameter : 0.53
Volume Injected (uL) : 0.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
3-Carene	13466-78-9	NBS75K.1	65796	64
1,4-Cyclohexadiene, 1-methyl-4-(1-methyl	99-85-4	NBS75K.1	6612	59
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-me	18172-67-3	NBS75K.1	6602	58









00184
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15220N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N2V4030V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0151

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	Methyl-iso-butyl ketone	10	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethylene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
156-60-5	1,2-Trans-dichloroethylene	5	U

1E

EPA SAMPLE NO.

VBLK01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 52260N SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2V4030V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0151

Level: (low/med) LOW Date Received: 11/09/94

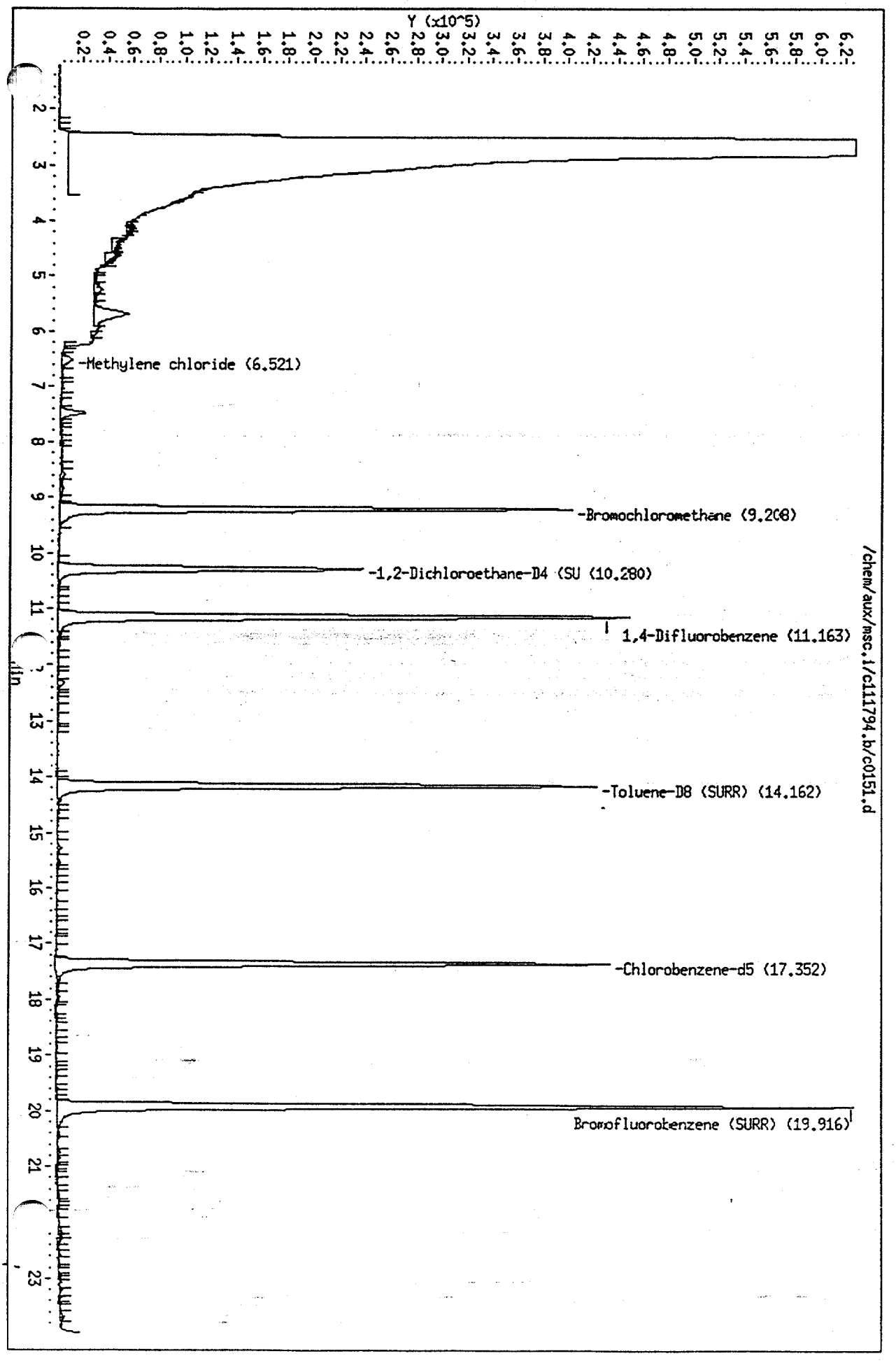
% Moisture: not dec. _____ Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.69	7	JN



Data File: /chem/aux/msc.i/c111794.b/c0151.d
Date : 17-NOV-94 15:11
Instrument : msc.i
Sample ID : vblk01
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111794.b/c0151.d
Report Date: 18-Nov-1994 06:53

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111794.b/c0151.d
Lab. Id. : Quant Type: ISTD
Inj Date : 17-NOV-94 15:11 Autotune Date: {
Operator : dana Inst ID: msc.i
Smp Info : method blank
Misc Info : n2v4030v,n2v4030,s:m2,5.00,5:1
Comment :
Method : /chem/aux/msc.i/c111794.b/8240heatc.m
Meth Date : 18-Nov-1994 06:50 tom
Cal Date : 17-NOV-94 14:36 Cal File: c0150.d
Als bottle: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
Methylene chloride	84.00	6.521	(0.708)	12189	1.96	1.96 (aQ)
* [illegible] Bromochloromethane	128.00	9.216	(1.000)	282157	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.280	(1.115)	460535	49.4	49.4
* 22 1,4-Difluorobenzene	114.00	11.163	(1.000)	995009	50.0	
$ 29 Toluene-D8 (SURR)	98.00	14.162	(0.816)	793089	54.9	54.9
* 36 Chlorobenzene-d5	117.00	17.352	(1.000)	657342	50.0	
$ 43 Bromofluorobenzene (SURR)	95.00	19.916	(1.148)	639874	53.6	53.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c111794.b/c0151.d

Date : 17-NOV-94 15:11

Instrument : msc.i

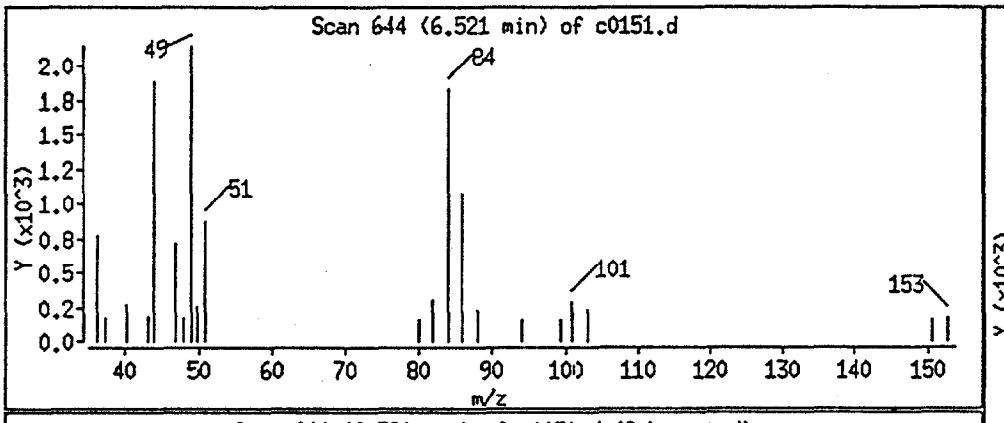
Sample ID : vblk01

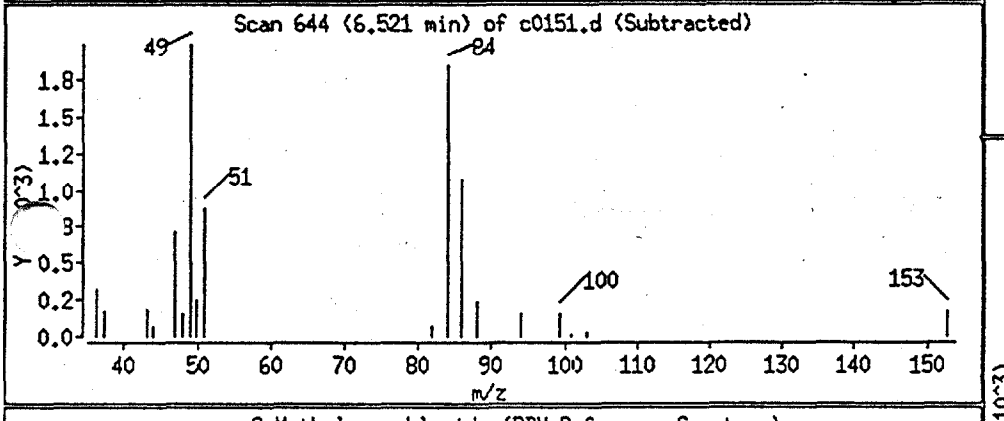
Column phase : J&W DB_624

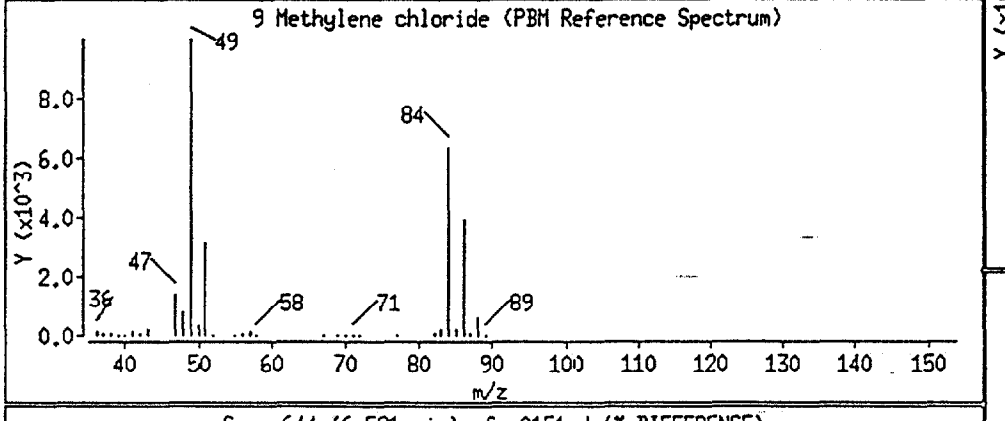
Column diameter : 0.53

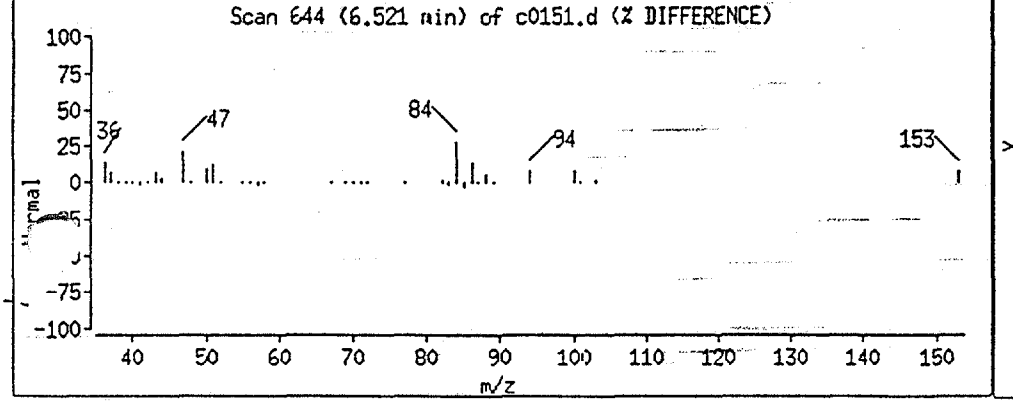
Volume Injected (uL) : 0.0

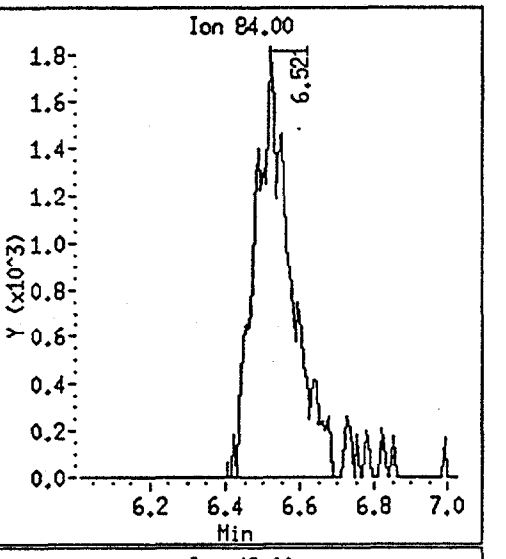
9 Methylene chloride

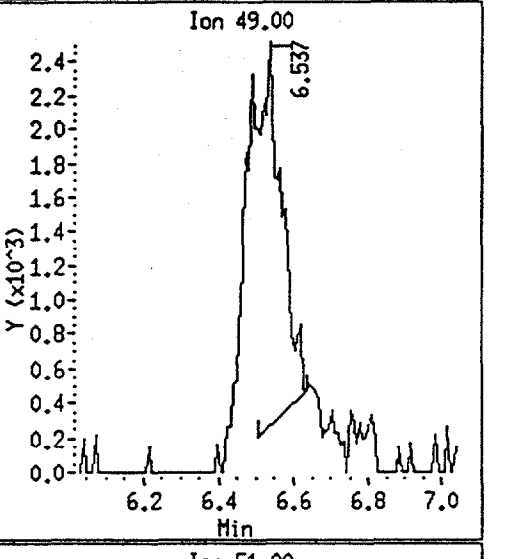


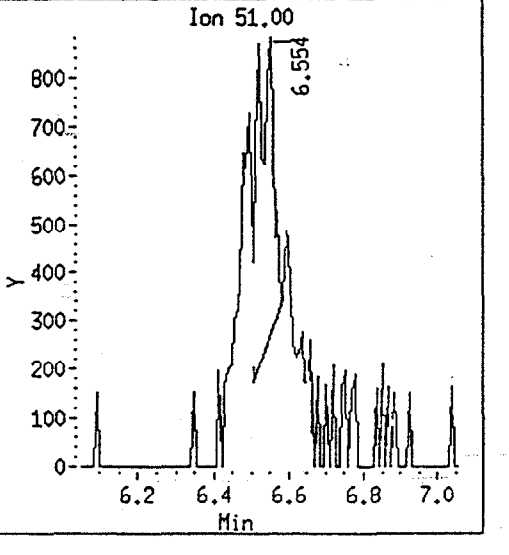






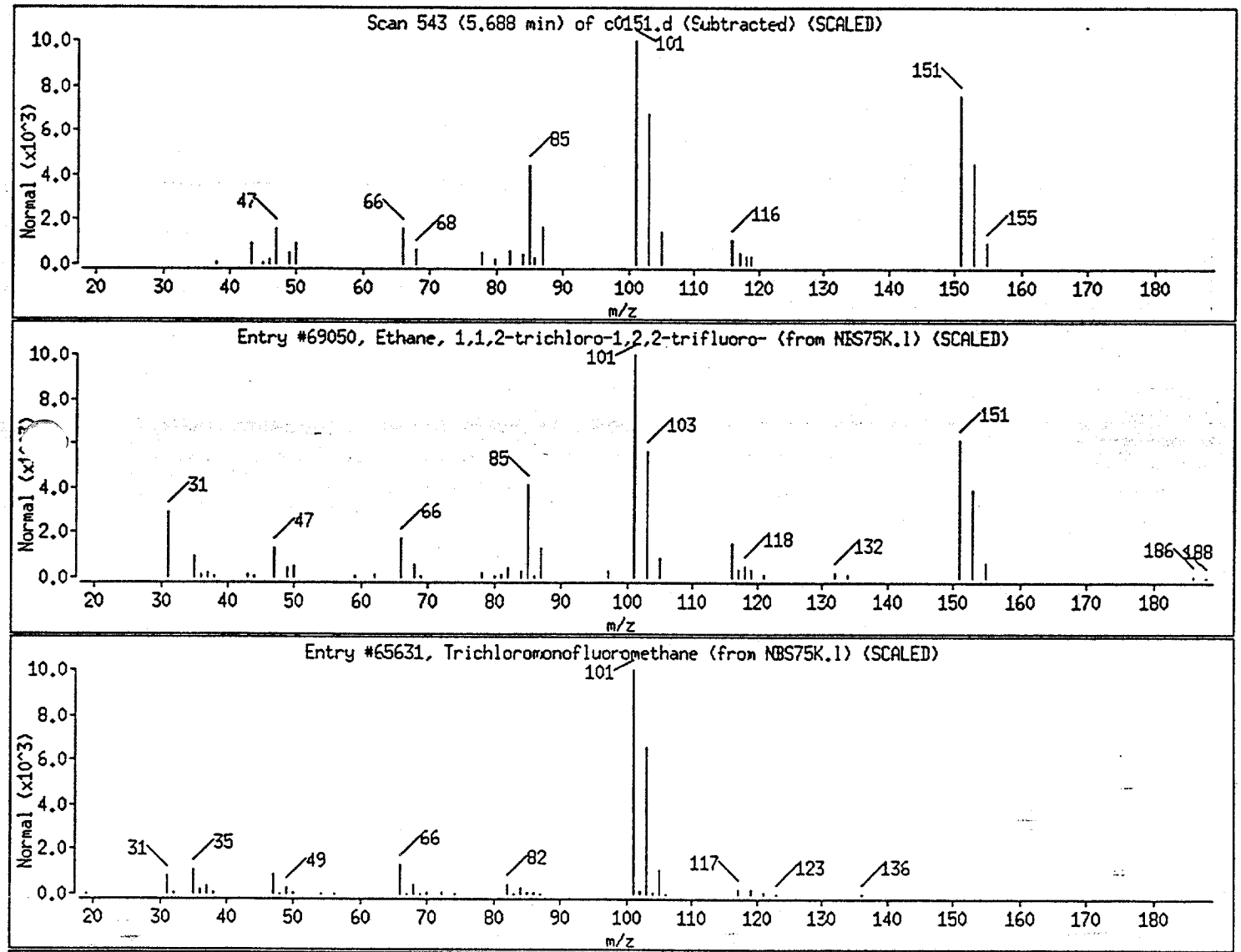






Data File: /chem/aux/msc.i/c111794.b/c0151.d
Date : 17-NOV-94 15:11
Instrument : msc.i
Sample ID : vblk01
Column phase : J&W DB_624
Column diameter : 0.53
Volume Injected (uL) : 0.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	NBS75K.1	69050	91
Trichloromonofluoromethane	75-69-4	NBS75K.1	65631	27



1A

EPA SAMPLE NO. 00190

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLJDWS075MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743VS

Sample wt/vol: .53 (g/mL) G Lab File ID: C0199

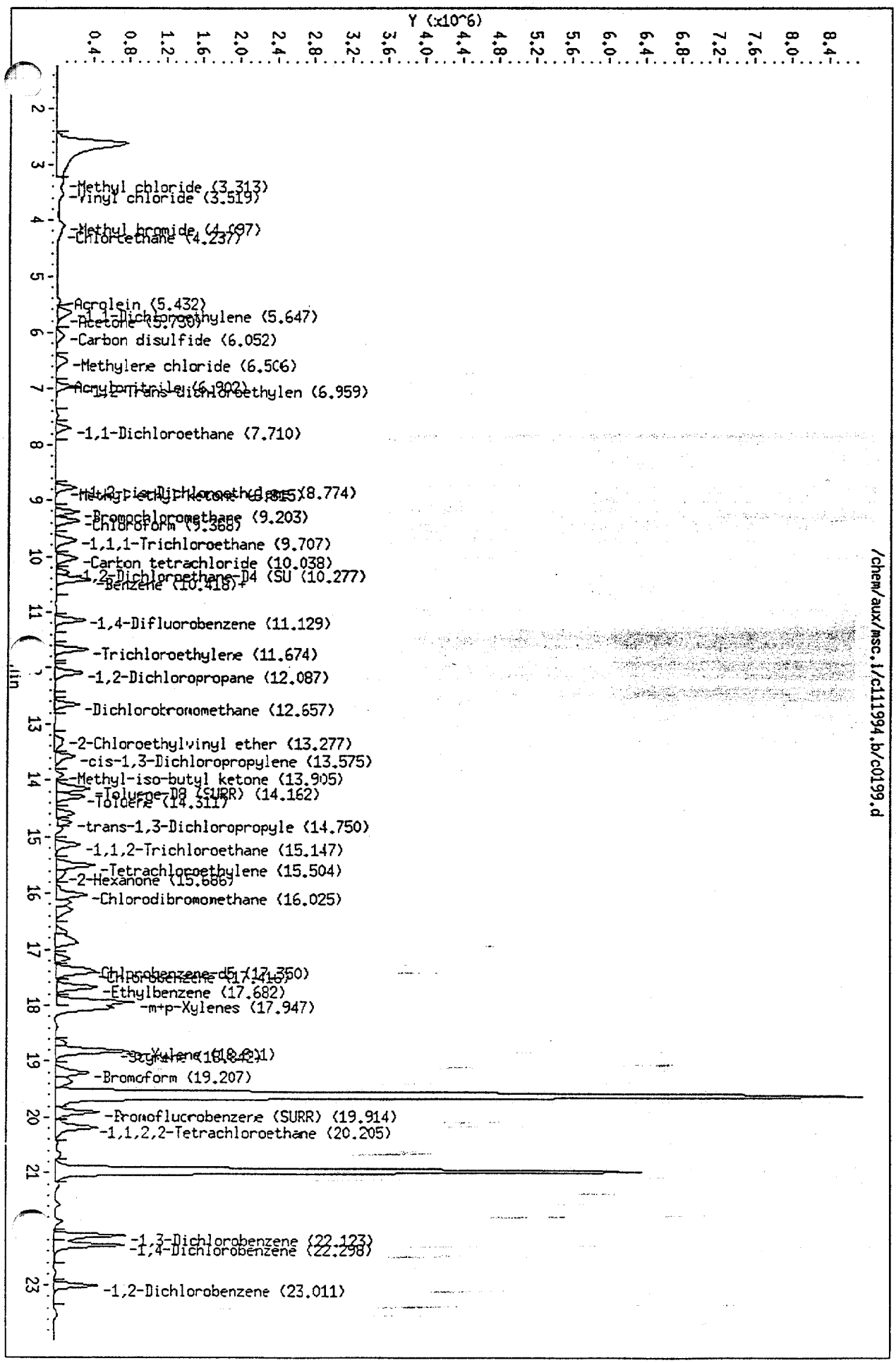
Level: (low/med) LOW Date Received: 11/10/94

% Moisture: not dec. _____ Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~5000.0~~ 48000

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: .001 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2900000	
74-83-9	Bromomethane	2500000	
75-01-4	Vinyl Chloride	2700000	
75-00-3	Chloroethane	2400000	
75-09-2	Methylene Chloride	2500000	
67-64-1	Acetone	2400000	
75-15-0	Carbon Disulfide	2600000	
75-35-4	1,1-Dichloroethene	2600000	
75-34-3	1,1-Dichloroethane	2400000	
67-66-3	Chloroform	2300000	
107-06-2	1,2-Dichloroethane	2100000	
78-93-3	2-Butanone	2300000	
71-55-6	1,1,1-Trichloroethane	2200000	
56-23-5	Carbon Tetrachloride	2200000	
75-27-4	Bromodichloromethane	2100000	
78-87-5	1,2-Dichloropropane	2400000	
10061-01-5	cis-1,3-Dichloropropene	2200000	
79-01-6	Trichloroethene	2500000	
124-48-1	Dibromochloromethane	2300000	
79-00-5	1,1,2-Trichloroethane	2600000	
71-43-2	Benzene	2400000	
10061-02-6	trans-1,3-Dichloropropene	2200000	
75-25-2	Bromoform	2200000	
108-10-1	Methyl-iso-butyl ketone	2000000	
591-78-6	2-Hexanone	4700000	
127-18-4	Tetrachloroethylene	2400000	
79-34-5	1,1,2,2-Tetrachloroethane	2200000	B
108-88-3	Toluene	2400000	
108-90-7	Chlorobenzene	2400000	
100-41-4	Ethylbenzene	2700000	
100-42-5	Styrene	2500000	
1330-20-7	Xylene (total)	8900000	B
156-60-5	1,2-Trans-dichloroethylene	2500000	



Data File: /chem/aux/msc.i/c111994.b/c0199.d
Date : 19-NOV-94 18:31
Instrument : msc.i
Sample ID : 15226n cljdws075ms
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

/chem/aux/msc.i/c111994.b/c0199.d

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0199.d
Report Date: 21-Nov-1994 07:51

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0199.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 19-NOV-94 18:31
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : 15226n cljdws075ms
Misc Info : jn4743vs,n4v4035,s:m2,0.53,5.00:5000,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 27
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methyl chloride	50.00	3.313	(0.360)	124926	60.9	60.9
2	Vinyl chloride	62.00	3.519	(0.382)	184162	57.2	57.2
3	Methyl bromide	94.00	4.097	(0.445)	223166	53.9	53.9
4	Chloroethane	64.00	4.237	(0.460)	96801	51.9	51.9
5	Acrolein	56.00	5.432	(0.590)	108043	294	294
6	1,1-Dichloroethylene	96.00	5.655	(0.614)	239204	55.1	55.1
7	Acetone	43.00	5.730	(0.623)	52683	51.8	51.8 (a)
8	Carbon disulfide	76.00	6.052	(0.658)	491113	54.9	54.9
9	Methylene chloride	84.00	6.497	(0.706)	229180	53.9	53.9
10	Acrylonitrile	53.00	6.902	(0.750)	33920	50.8	50.8 (a)
11	1,2-Trans-dichloroethylene	96.00	6.959	(0.756)	247848	54.0	54.0
12	1,1-Dichloroethane	63.00	7.710	(0.838)	403515	50.2	50.2
13	1,2-cis-Dichloroethylene	96.00	8.774	(0.953)	243850	51.6	51.6
14	Methyl ethyl ketone	72.00	8.815	(0.792)	16110	49.6	49.6 (aQ)
* 15	Bromochloromethane	128.00	9.203	(1.000)	198619	50.0	
16	Chloroform	83.00	9.360	(1.017)	530708	48.2	48.2
17	1,1,1-Trichloroethane	97.00	9.707	(0.872)	463831	46.6	46.6
18	Carbon tetrachloride	117.00	10.038	(0.902)	453414	47.2	47.2
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.277	(1.117)	277267	43.4	43.4
20	Benzene	78.00	10.410	(0.935)	530036	51.1	51.1
21	1,2-Dichloroethane	62.00	10.426	(1.133)	363667	45.5	45.5
* 22	1,4-Difluorobenzene	114.00	11.129	(1.000)	770689	50.0	
23	Trichloroethylene	130.00	11.674	(1.049)	357952	52.2	52.2
24	1,2-Dichloropropane	63.00	12.095	(1.087)	246939	50.1	50.1
25	Dichlorobromomethane	83.00	12.649	(1.137)	468131	45.4	45.4
	2-Chloroethylvinyl ether	63.00	13.277	(1.193)	108228	46.7	46.7
	cis-1,3-Dichloropropylene	75.00	13.575	(1.220)	320795	46.5	46.5
28	Methyl-iso-butyl ketone	43.00	13.905	(0.801)	193753	42.5	42.5 (a)
$ 29	Toluene-D8 (SURR)	98.00	14.162	(0.816)	622063	48.9	48.9

Data File: /chem/aux/msc.i/c111994.b/c0199.d
Report Date: 21-Nov-1994 07:51

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	30 Toluene	92.00	14.311	(0.825)	406977	51.8	51.8
	31 trans-1,3-Dichloropropylene	75.00	14.750	(1.325)	260438	46.2	46.2
	32 1,1,2-Trichloroethane	97.00	15.139	(1.360)	250141	55.0	55.0
	33 Tetrachloroethylene	164.00	15.504	(0.894)	344079	51.8	51.8
	34 2-Hexanone	43.00	15.686	(0.904)	269216	100	100(Q)
	35 Chlorodibromomethane	129.00	16.025	(1.440)	435506	48.2	48.2
*	36 Chlorobenzene-d5	117.00	17.350	(1.000)	511815	50.0	
	37 Chlorobenzene	112.00	17.416	(1.004)	544785	50.8	50.8
	38 Ethylbenzene	106.00	17.674	(1.019)	268626	57.7	57.7
	39 m+p-Xylenes	106.00	17.947	(1.034)	639527	118	118
	40 o-Xylene	106.00	18.801	(1.084)	390207	70.9	70.9
	41 Styrene	104.00	18.842	(1.086)	435677	52.1	52.1
	42 Bromoform	173.00	19.216	(1.727)	336032	46.1	46.1
$	43 Bromofluorobenzene (SURR)	95.00	19.906	(1.147)	404618	44.7	44.7
	44 1,1,2,2-Tetrachloroethane	83.00	20.205	(1.165)	316374	46.2	46.2
	45 1,3-Dichlorobenzene	146.00	22.123	(1.275)	523505	43.5	43.5
	46 1,4-Dichlorobenzene	146.00	22.298	(1.285)	581380	40.2	40.2
	47 1,2-Dichlorobenzene	146.00	23.003	(1.326)	523650	43.7	43.7

Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

00194
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLJDWS075MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743VR

Sample wt/vol: .53 (g/mL) G Lab File ID: C0200

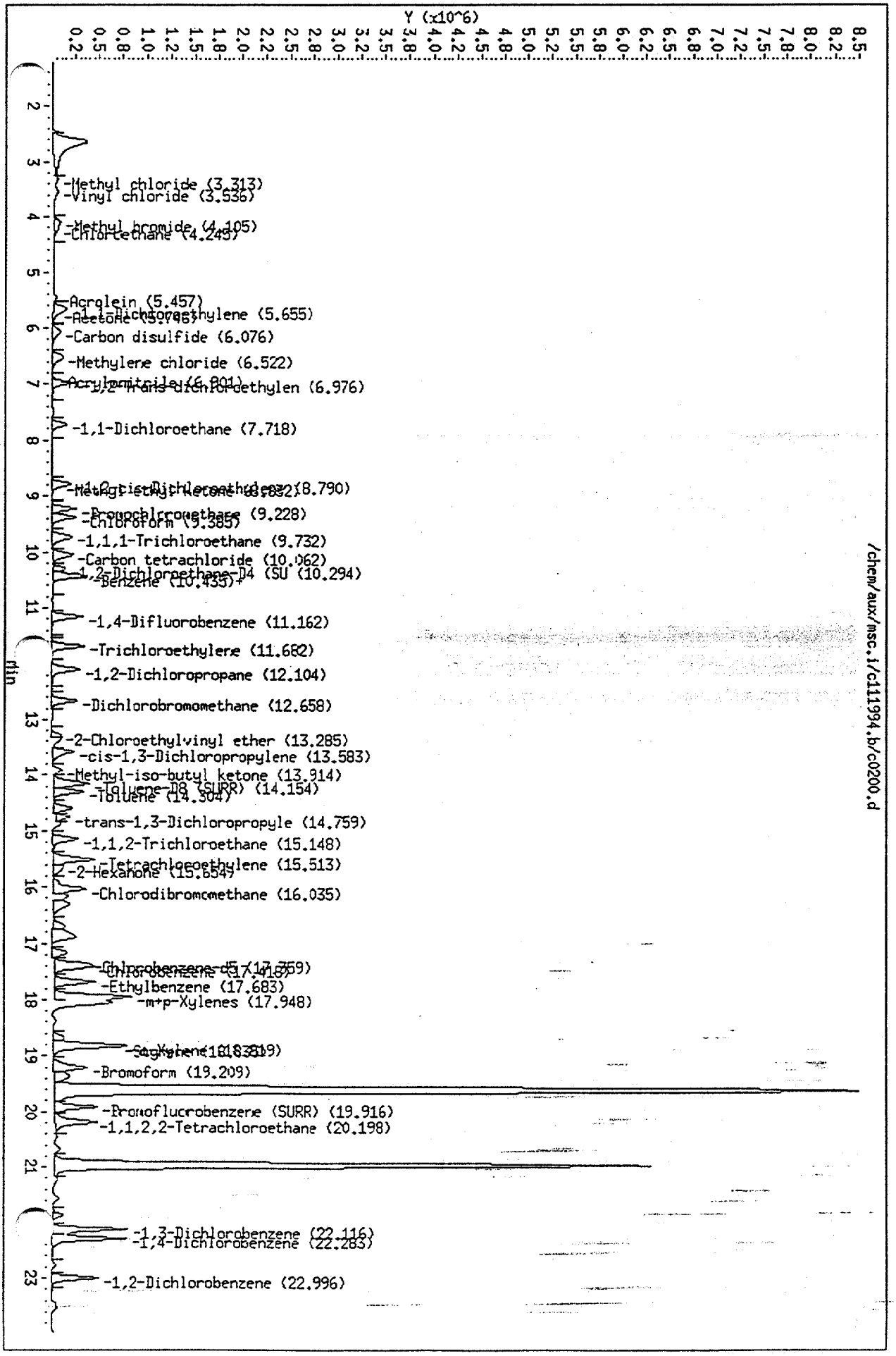
Level: (low/med) LOW Date Received: 11/10/94

% Moisture: not dec. _____ Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~5000.0~~ 48,000

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: .001 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2700000	
74-83-9	Bromomethane	2500000	
75-01-4	Vinyl Chloride	2500000	
75-00-3	Chloroethane	2400000	
75-09-2	Methylene Chloride	2500000	
67-64-1	Acetone	2400000	
75-15-0	Carbon Disulfide	2500000	
75-35-4	1,1-Dichloroethene	2600000	
75-34-3	1,1-Dichloroethane	2500000	
67-66-3	Chloroform	2200000	
107-06-2	1,2-Dichloroethane	2100000	
78-93-3	2-Butanone	2300000	
71-55-6	1,1,1-Trichloroethane	2200000	
56-23-5	Carbon Tetrachloride	2200000	
75-27-4	Bromodichloromethane	2200000	
78-87-5	1,2-Dichloropropane	2300000	
10061-01-5	cis-1,3-Dichloropropene	2300000	
79-01-6	Trichloroethene	2400000	
124-48-1	Dibromochloromethane	2400000	
79-00-5	1,1,2-Trichloroethane	2700000	
71-43-2	Benzene	2300000	
10061-02-6	trans-1,3-Dichloropropene	2300000	
75-25-2	Bromoform	2200000	
108-10-1	Methyl-iso-butyl ketone	2100000	
591-78-6	2-Hexanone	2200000	
127-18-4	Tetrachloroethylene	2500000	
79-34-5	1,1,2,2-Tetrachloroethane	2100000	B
108-88-3	Toluene	2400000	
108-90-7	Chlorobenzene	2400000	
100-41-4	Ethylbenzene	2700000	
100-42-5	Styrene	2400000	
1330-20-7	Xylene (total)	8600000	B
156-60-5	1,2-Trans-dichloroethylene	2500000	



Data File: /chem/aux/msc.i/c111994.b/c0200.d
Date : 19-NOV-94 19:03
Instrument ; msc.i
Sample ID : 15226n cljdws075msd
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0200.d
Report Date: 21-Nov-1994 07:51

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0200.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 19-NOV-94 19:03
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : 15226n cljdws075msd
Misc Info : jn4743vr,n4v4035,s:m2,0.53,5.00:5000,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 28
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.313	(0.359)	116970	56.8	56.8
	2 Vinyl chloride	62.00	3.536	(0.383)	174660	54.0	54.0
	3 Methyl bromide	94.00	4.105	(0.445)	218324	52.5	52.5
	4 Chloroethane	64.00	4.245	(0.460)	95759	51.1	51.1
	5 Acrolein	56.00	5.457	(0.592)	101912	276	276
	6 1,1-Dichloroethylene	96.00	5.655	(0.613)	237090	54.4	54.4
	7 Acetone	43.00	5.746	(0.623)	52759	51.7	51.7(a)
	8 Carbon disulfide	76.00	6.076	(0.659)	483352	53.8	53.8
	9 Methylene chloride	84.00	6.522	(0.707)	224267	52.6	52.6
	10 Acrylonitrile	53.00	6.901	(0.749)	38218	57.0	57.0(a)
	11 1,2-Trans-dichloroethylene	96.00	6.976	(0.757)	247510	53.7	53.7
	12 1,1-Dichloroethane	63.00	7.718	(0.837)	423436	52.4	52.4
	13 1,2-cis-Dichloroethylene	96.00	8.790	(0.953)	235038	49.5	49.5
	14 Methyl ethyl ketone	72.00	8.832	(0.791)	16030	49.6	49.6(aQ)
*	15 Bromochloromethane	128.00	9.220	(1.000)	199360	50.0	
	16 Chloroform	83.00	9.377	(1.017)	522391	47.2	47.2
	17 1,1,1-Trichloroethane	97.00	9.732	(0.872)	459310	46.4	46.4
	18 Carbon tetrachloride	117.00	10.062	(0.901)	440667	46.1	46.1
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.294	(1.117)	268420	41.9	41.9
	20 Benzene	78.00	10.426	(0.934)	513955	49.7	49.7
	21 1,2-Dichloroethane	62.00	10.435	(1.132)	353989	44.2	44.2
*	22 1,4-Difluorobenzene	114.00	11.162	(1.000)	767122	50.0	
	23 Trichloroethylene	130.00	11.690	(1.047)	350484	51.3	51.3
	24 1,2-Dichloropropane	63.00	12.104	(1.084)	242248	49.4	49.4
	25 Dichlorobromomethane	83.00	12.658	(1.134)	468456	45.6	45.6
	2-Chloroethylvinyl ether	63.00	13.285	(1.190)	110376	47.8	47.8
	cis-1,3-Dichloropropylene	75.00	13.583	(1.217)	329418	48.0	48.0
	28 Methyl-iso-butyl ketone	43.00	13.914	(0.802)	207924	45.1	45.1(a)
$	29 Toluene-D8 (SURR)	98.00	14.154	(0.815)	635687	49.4	49.4

Data File: /chem/aux/msc.i/c111994.b/c0200.d
Report Date: 21-Nov-1994 07:51

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	30 Toluene	92.00	14.304	(0.824)	408746	51.5	51.5
	31 trans-1,3-Dichloropropylene	75.00	14.759	(1.322)	273876	48.8	48.8
	32 1,1,2-Trichloroethane	97.00	15.148	(1.357)	263231	58.2	58.2
	33 Tetrachloroethylene	164.00	15.513	(0.894)	356776	53.2	53.2
	34 2-Hexanone	43.00	15.662	(0.902)	127567	47.0	47.0(aQ)
	35 Chlorodibromomethane	129.00	16.035	(1.437)	457418	50.8	50.8
*	36 Chlorobenzene-d5	117.00	17.359	(1.000)	517314	50.0	
	37 Chlorobenzene	112.00	17.418	(1.003)	546948	50.5	50.5
	38 Ethylbenzene	106.00	17.691	(1.019)	268979	57.2	57.2
	39 m+p-Xylenes	106.00	17.948	(1.034)	625493	114	114
	40 o-Xylene	106.00	18.811	(1.084)	380180	68.4	68.4
	41 Styrene	104.00	18.835	(1.085)	427524	50.6	50.6
	42 Bromoform	173.00	19.217	(1.722)	343380	47.4	47.4
$	43 Bromofluorobenzene (SURR)	95.00	19.907	(1.147)	412785	45.2	45.2
	44 1,1,2,2-Tetrachloroethane	83.00	20.198	(1.164)	302510	43.6	43.6
	45 1,3-Dichlorobenzene	146.00	22.116	(1.274)	532453	43.8	43.8
	46 1,4-Dichlorobenzene	146.00	22.283	(1.284)	610774	41.8	41.8
	47 1,2-Dichlorobenzene	146.00	22.996	(1.325)	532966	44.0	44.0

Q Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4V4035VS

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0198

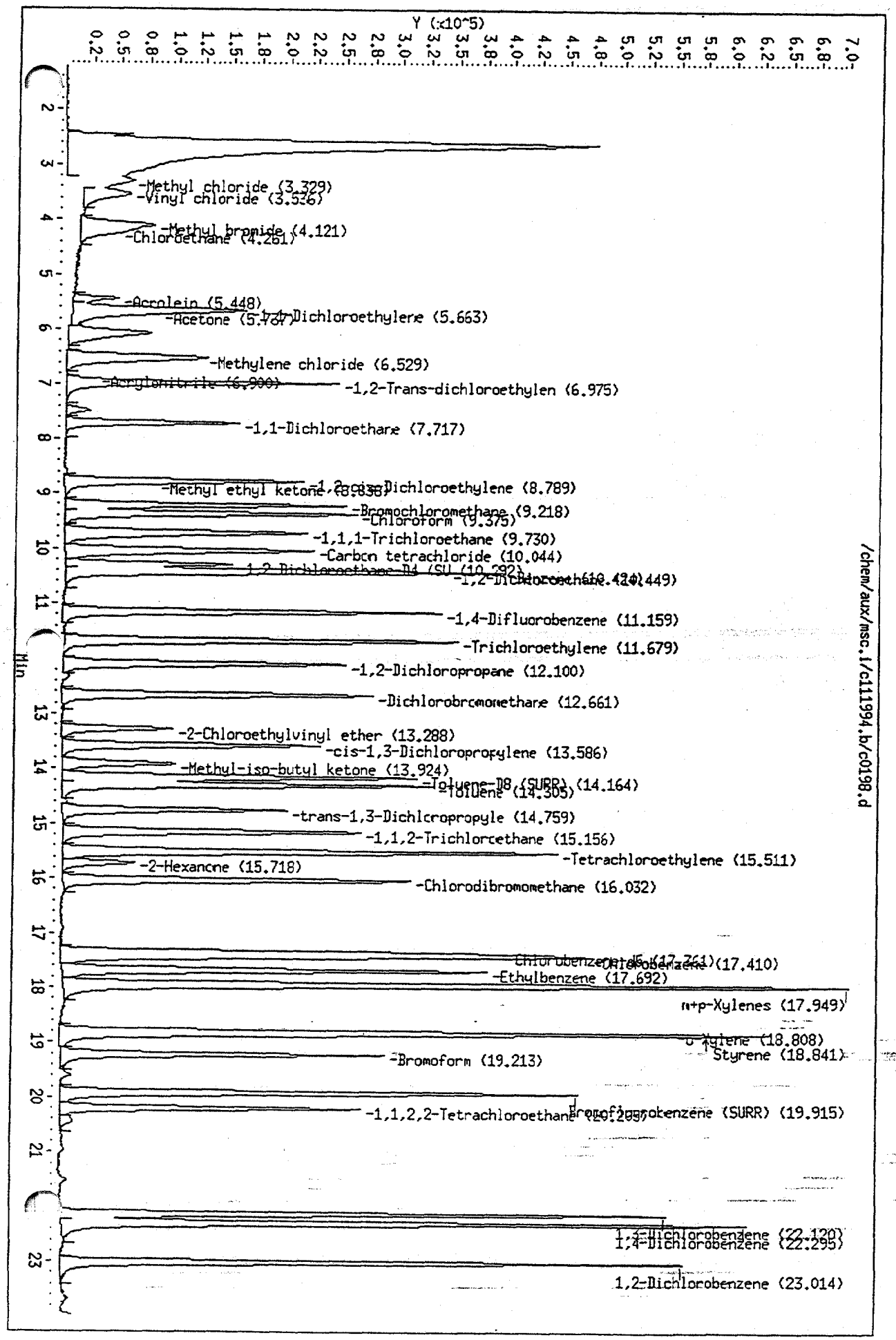
Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2600	
74-83-9	Bromomethane	2700	
75-01-4	Vinyl Chloride	2700	
75-00-3	Chloroethane	2600	
75-09-2	Methylene Chloride	2800	
67-64-1	Acetone	2700	
75-15-0	Carbon Disulfide	250	U
75-35-4	1,1-Dichloroethene	2700	
75-34-3	1,1-Dichloroethane	2600	
67-66-3	Chloroform	2400	
107-06-2	1,2-Dichloroethane	2400	
78-93-3	2-Butanone	2600	
71-55-6	1,1,1-Trichloroethane	2400	
56-23-5	Carbon Tetrachloride	2400	
75-27-4	Bromodichloromethane	2400	
78-87-5	1,2-Dichloropropane	2500	
10061-01-5	cis-1,3-Dichloropropene	2500	
79-01-6	Trichloroethene	2600	
124-48-1	Dibromochloromethane	2800	
79-00-5	1,1,2-Trichloroethane	2800	
71-43-2	Benzene	2600	
10061-02-6	trans-1,3-Dichloropropene	2700	
75-25-2	Bromoform	2700	
108-10-1	Methyl-iso-butyl ketone	2500	
591-78-6	2-Hexanone	2800	
127-18-4	Tetrachloroethylene	2600	
79-34-5	1,1,2,2-Tetrachloroethane	2400	B
108-88-3	Toluene	2400	
108-90-7	Chlorobenzene	2600	
100-41-4	Ethylbenzene	2500	
100-42-5	Styrene	2500	
1330-20-7	Xylene (total)	7500	B
156-60-5	1,2-Trans-dichloroethylene	2700	



Data File: /chem/aux/msc.i/c111994.b/c0198.d
Date : 19-NOV-94 17:58
Instrument : msc.i
Sample ID : n4v4035vs
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

/chem/aux/msc.i/c111994.b/c0198.d

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0198.d
Report Date: 21-Nov-1994 07:50

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0198.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 19-NOV-94 17:58
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : met spk
Misc Info : n4v4035vs,n4v4035,s:m2,5.00,5.00:50,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 26
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

JH 11-25

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.329	(0.361)	103651	51.4	51.4
	2 Vinyl chloride	62.00	3.527	(0.383)	171203	54.1	54.1
	3 Methyl bromide	94.00	4.113	(0.446)	217466	53.4	53.4
	4 Chlorqethane	64.00	4.261	(0.462)	95843	52.3	52.3
	5 Acrolein	56.00	5.448	(0.591)	103755	288	288
	6 1,1-Dichloroethylene	96.00	5.671	(0.615)	226509	53.1	53.1
	7 Acetone	43.00	5.737	(0.622)	54282	54.3	54.3(a)
	9 Methylene chloride	84.00	6.529	(0.708)	230069	55.1	55.1
	10 Acrylonitrile	53.00	6.900	(0.749)	36732	56.0	56.0(a)
	11 1,2-Trans-dichloroethylene	96.00	6.975	(0.757)	240802	53.4	53.4
	12 1,1-Dichloroethane	63.00	7.717	(0.837)	404804	51.2	51.2
	13 1,2-cis-Dichloroethylene	96.00	8.789	(0.953)	232045	50.0	50.0
	14 Methyl ethyl ketone	72.00	8.838	(0.792)	16072	51.8	51.8(a)
*	15 Bromochloromethane	128.00	9.218	(1.000)	195162	50.0	
	16 Chloroform	83.00	9.383	(1.018)	529360	48.9	48.9
	17 1,1,1-Trichloroethane	97.00	9.730	(0.872)	452993	47.6	47.6
	18 Carbon tetrachloride	117.00	10.044	(0.900)	435862	47.5	47.5
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.292	(1.116)	282659	45.1	45.1
	20 Benzene	78.00	10.424	(0.934)	509475	51.4	51.4
	21 1,2-Dichloroethane	62.00	10.449	(1.134)	375480	47.8	47.8
*	22 1,4-Difluorobenzene	114.00	11.159	(1.000)	736435	50.0	
	23 Trichloroethylene	130.00	11.679	(1.047)	337638	51.5	51.5
	24 1,2-Dichloropropane	63.00	12.108	(1.085)	239047	50.8	50.8
	25 Dichlorobromomethane	83.00	12.661	(1.135)	474635	48.2	48.2
	26 2-Chloroethylvinyl ether	63.00	13.288	(1.191)	116963	52.8	52.8
	27 cis-1,3-Dichloropropylene	75.00	13.586	(1.218)	325834	49.5	49.5
	28 Methyl-iso-butyl ketone	43.00	13.924	(0.802)	237362	49.9	49.9(a)
$	29 Toluene-D8 (SURR)	98.00	14.164	(0.816)	625635	47.1	47.1
	30 Toluene	92.00	14.297	(0.824)	389579	47.5	47.5

Data File: /chem/aux/msc.i/c111994.b/c0198.d
Report Date: 21-Nov-1994 07:50

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.759	(1.323)	286015	53.1	53.1
	32 1,1,2-Trichloroethane	97.00	15.156	(1.358)	239672	55.2	55.2
	33 Tetrachloroethylene	164.00	15.511	(0.893)	354539	51.2	51.2
	34 2-Hexanone	43.00	15.718	(0.905)	154695	55.2	55.2
	35 Chlorodibromomethane	129.00	16.032	(1.437)	479013	55.5	55.5
*	36 Chlorobenzene-d5	117.00	17.361	(1.000)	534257	50.0	
	37 Chlorobenzene	112.00	17.419	(1.003)	572016	51.1	51.1
	38 Ethylbenzene	106.00	17.692	(1.019)	246057	50.6	50.6
	39 m+p-Xylenes	106.00	17.957	(1.034)	572924	101	101
	40 o-Xylene	106.00	18.808	(1.083)	280600	48.9	48.9
	41 Styrene	104.00	18.841	(1.085)	430706	49.4	49.4
	42 Bromoform	173.00	19.221	(1.723)	377285	54.2	54.2
$	43 Bromofluorobenzene (SURR)	95.00	19.915	(1.147)	464839	49.2	49.2
	44 1,1,2,2-Tetrachloroethane	83.00	20.205	(1.164)	345775	48.3	48.3
	45 1,3-Dichlorobenzene	146.00	22.120	(1.274)	611644	48.7	48.7
	46 1,4-Dichlorobenzene	146.00	22.295	(1.284)	725514	48.1	48.1
	47 1,2-Dichlorobenzene	146.00	23.014	(1.326)	628283	50.2	50.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-01A/D

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS05NF

Matrix: (soil/water) WATER Lab Sample ID: JN5027V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0211

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. _____ Date Analyzed: 11/20/94

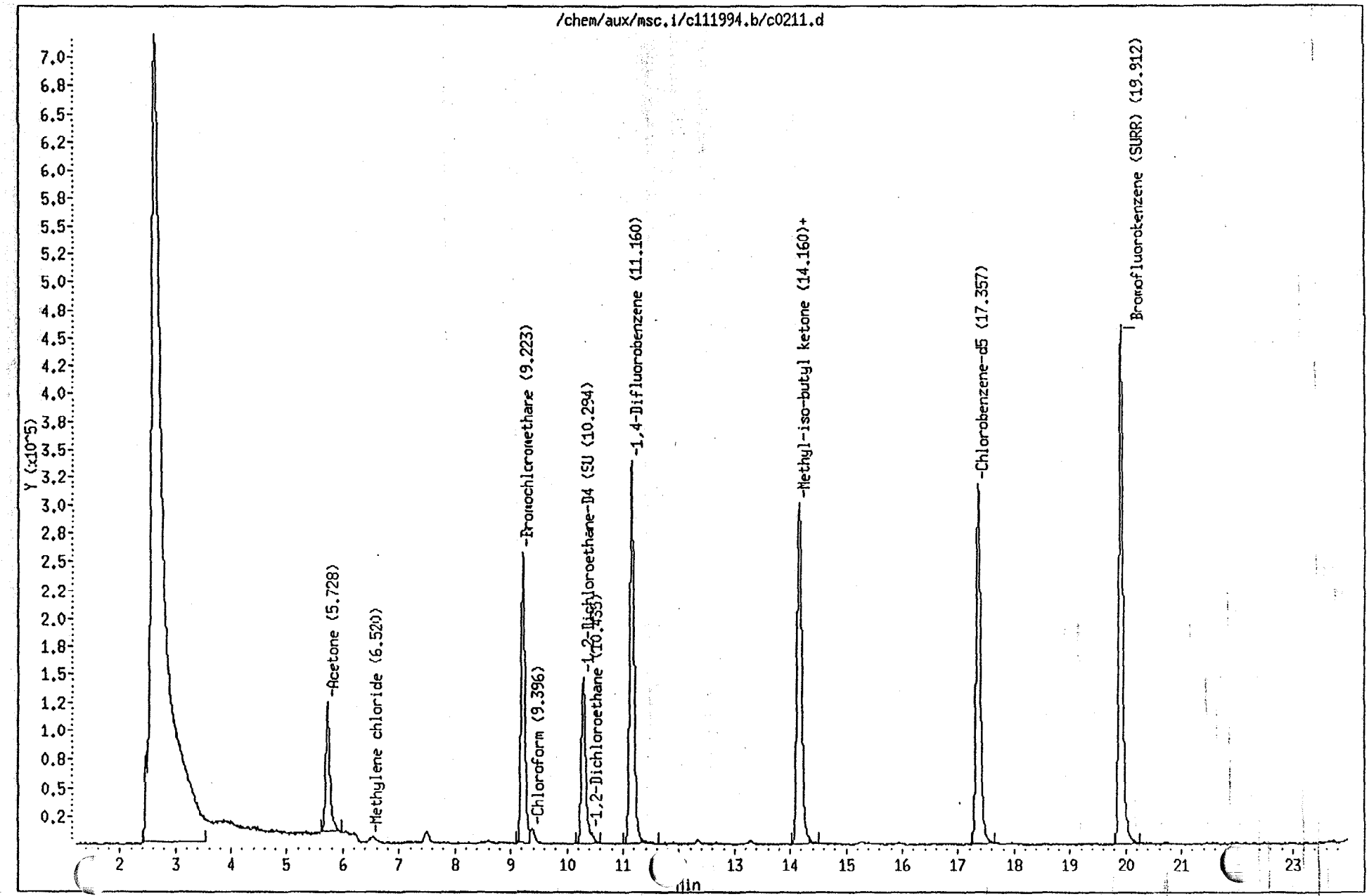
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	400	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	1	J
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	Methyl-iso-butyl ketone	10	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethylene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
156-60-5	1,2-Trans-dichloroethylene	5	U

00203

Data File: /chem/aux/msc.i/c111994.b/c0211.d
Date : 20-NOV-94 00:40
Instrument : msc.i
Sample ID : 15629n rb01a/d
Column phase : J&W DB_624
Column diameter : 0.53
Volume Injected (uL) : 0.0



Data File: /chem/aux/msc.i/c111994.b/c0211.d
Report Date: 24-Feb-1995 17:48

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0211.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 20-NOV-94 00:40
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : 15629n rb01a/d
Misc Info : jn5027v,n1v4036,1:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 24-Feb-1995 17:47 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 38
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Acetone	43.00	5.728	(0.621)	420894	404	404
	9 Methylene chloride	84.00	6.520	(0.706)	7826	1.80	1.80(a)
*	15 Bromochloromethane	128.00	9.231	(1.000)	203660	50.0	
	16 Chloroform	83.00	9.396	(1.018)	21195	1.88	1.88(a)
S	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.294	(1.115)	281075	42.9	42.9
	21 1,2-Dichloroethane	62.00	10.435	(1.130)	11416	1.39	1.39(a)
*	22 1,4-Difluorobenzene	114.00	11.160	(1.000)	762076	50.0	
	28 Methyl-iso-butyl ketone	43.00	14.152	(0.815)	4679	1.01	~~1.01(aQ)~~ MS
S	29 Toluene-D8 (SURR)	98.00	14.160	(0.816)	602426	46.7	46.7
*	36 Chlorobenzene-d5	117.00	17.357	(1.000)	518640	50.0	
S	43 Bromofluorobenzene (SURR)	95.00	19.912	(1.147)	465701	50.8	50.8

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c111994.b/c0211.d

Date : 20-NOV-94 00:40

Instrument : msc.i

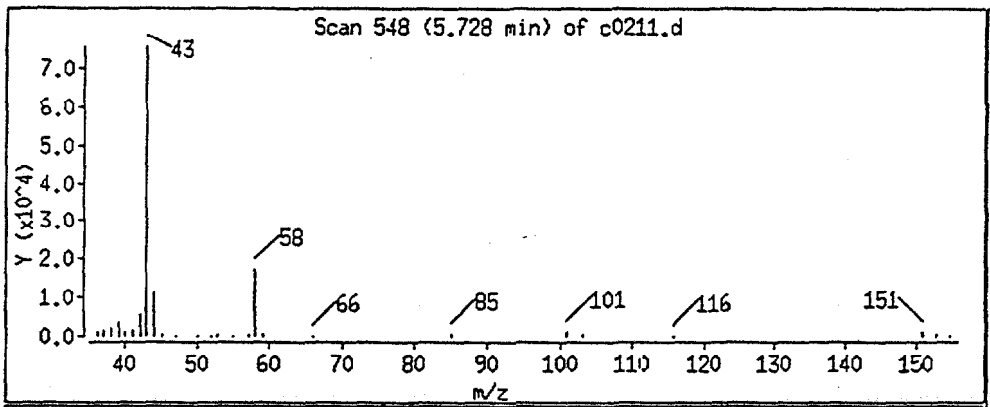
Sample ID : 15629n rb01a/d

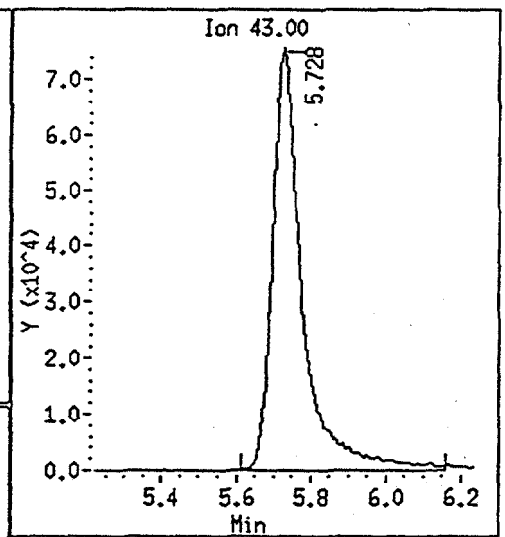
Column phase : J&W DB_624

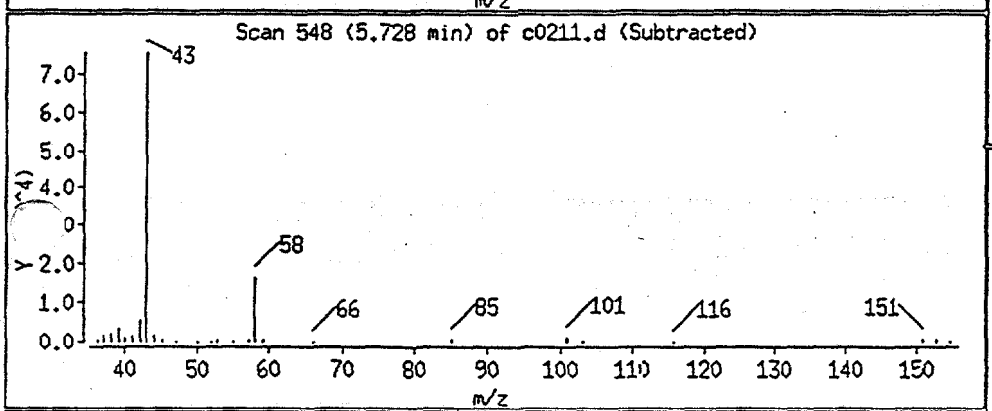
Column diameter : 0.53

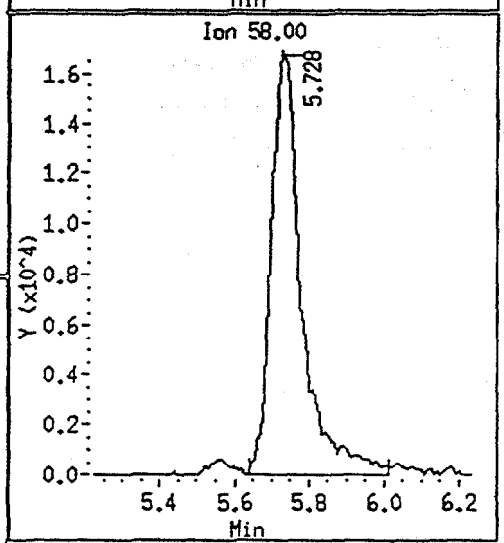
Volume Injected (uL) : 0.0

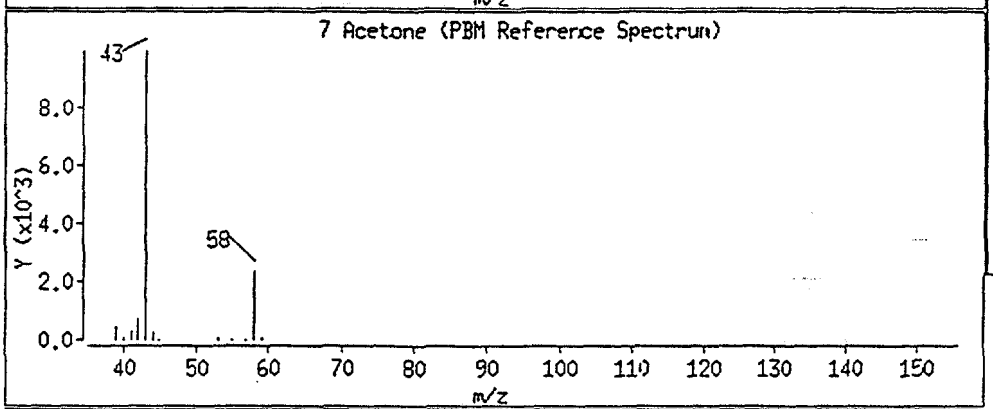
7 Acetone

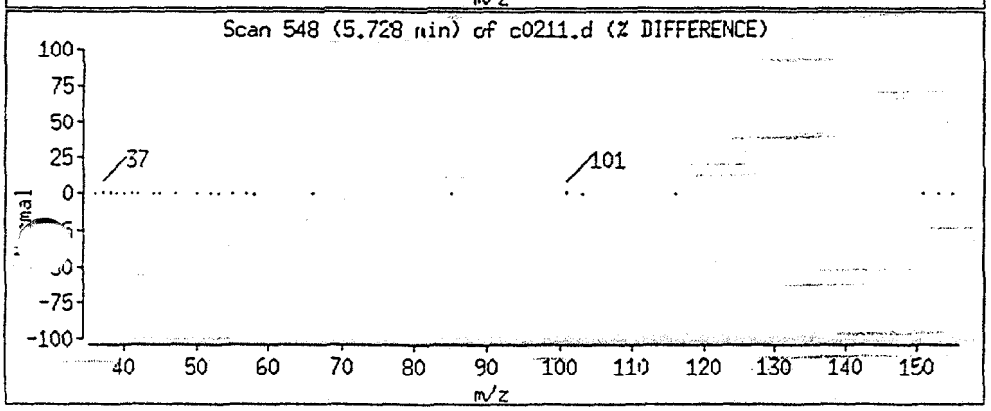












Data File: /chem/aux/msc.i/c111994.b/c0211.d

Date : 20-NOV-94 00:40

Instrument : msc.i

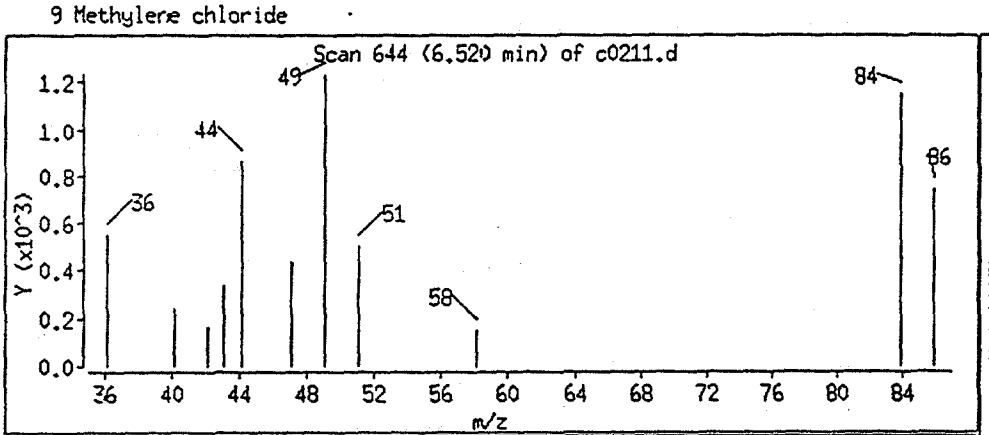
Sample ID : 15629n rb01a/d

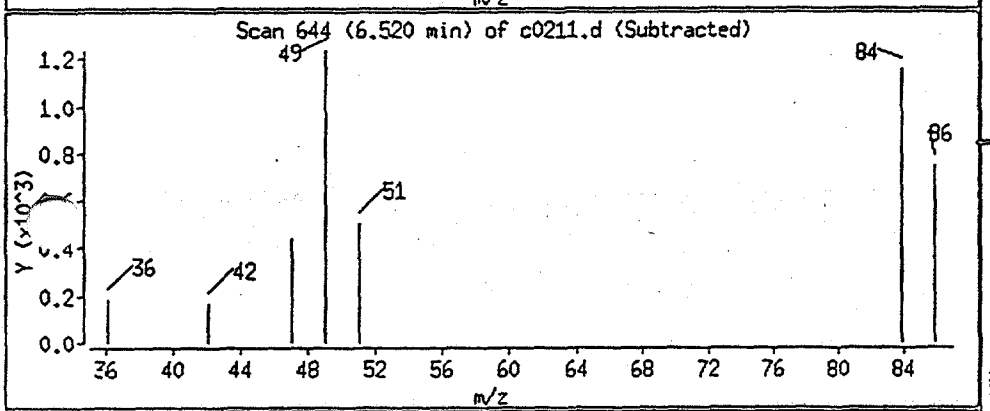
Column phase : J&W DB_624

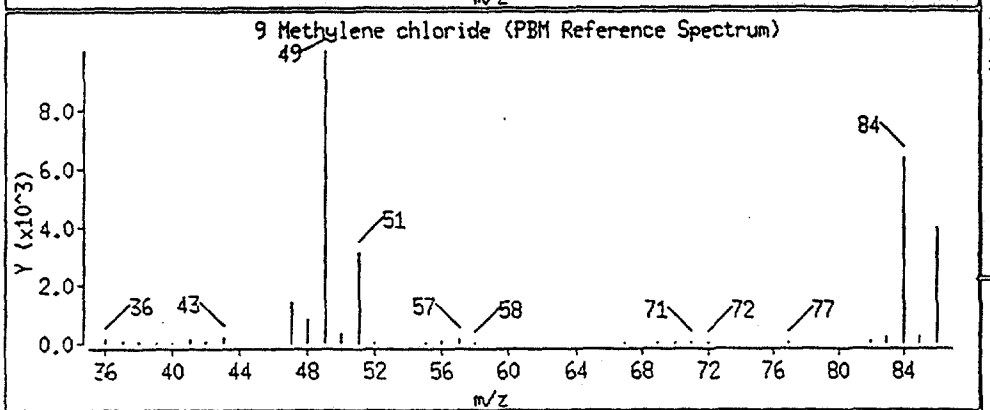
Column diameter : 0.53

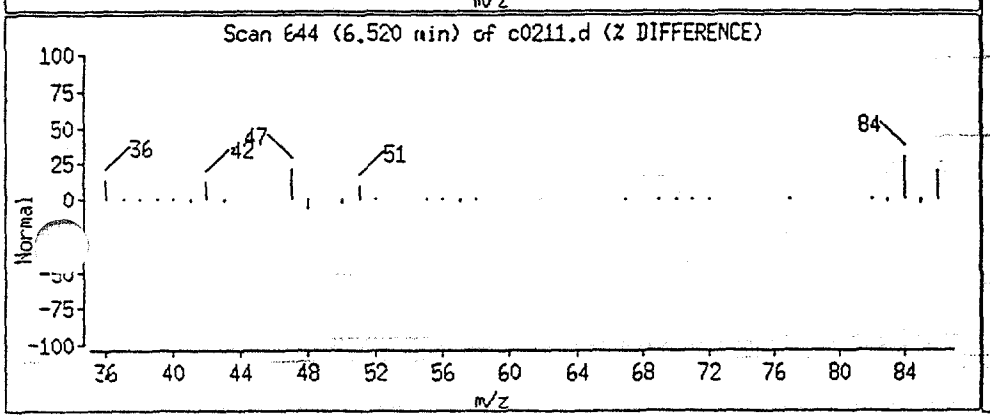
Volume Injected (uL) : 0.0

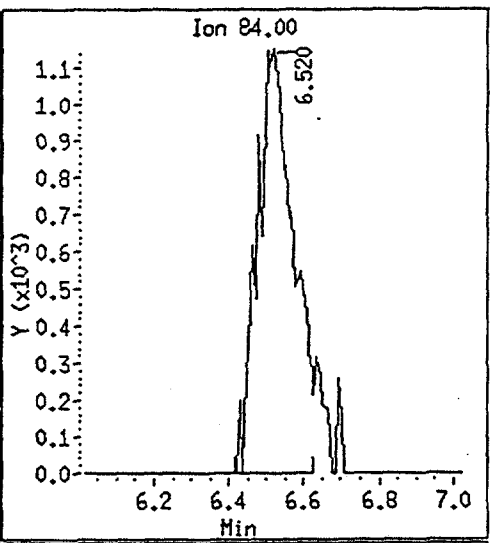
9 Methylene chloride

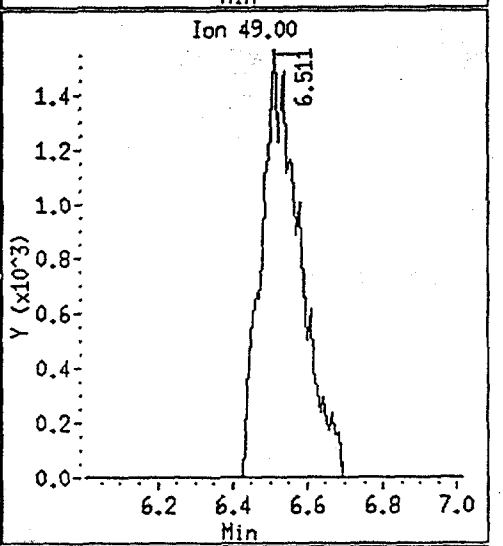


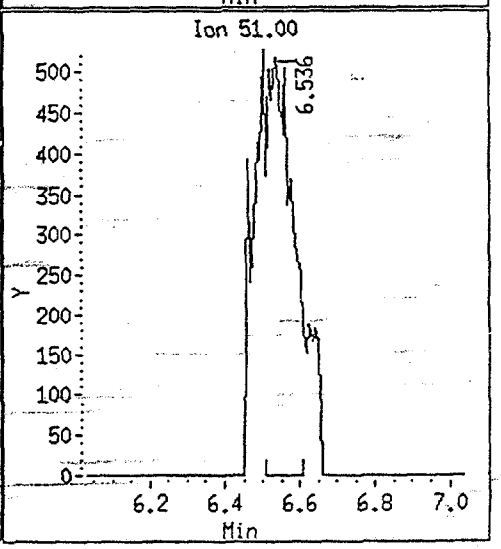












Data File: /chem/aux/msc.i/c111994.b/c0211.d

Date : 20-NOV-94 00:40

Instrument : msc.i

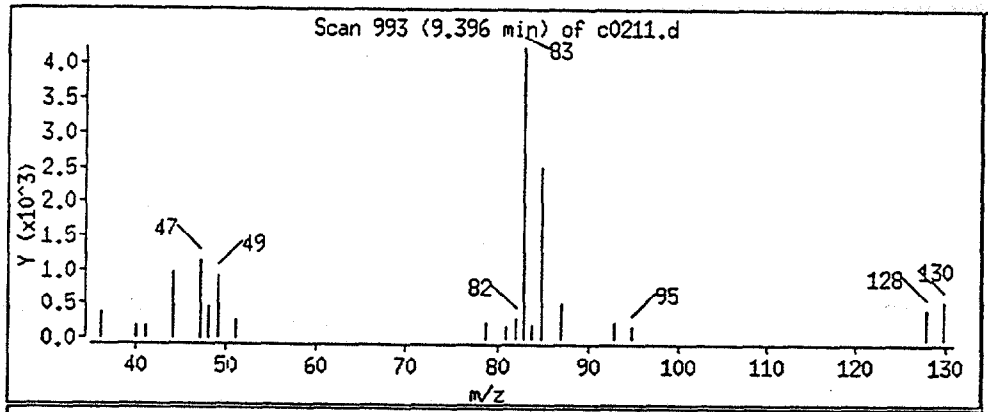
Sample ID : 15629n rb01a/d

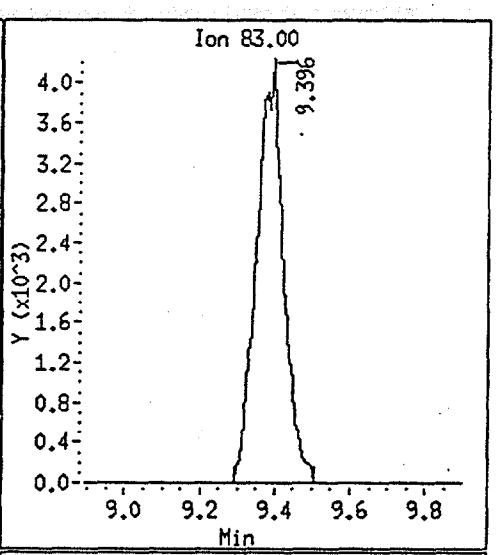
Column phase : J&W DB_624

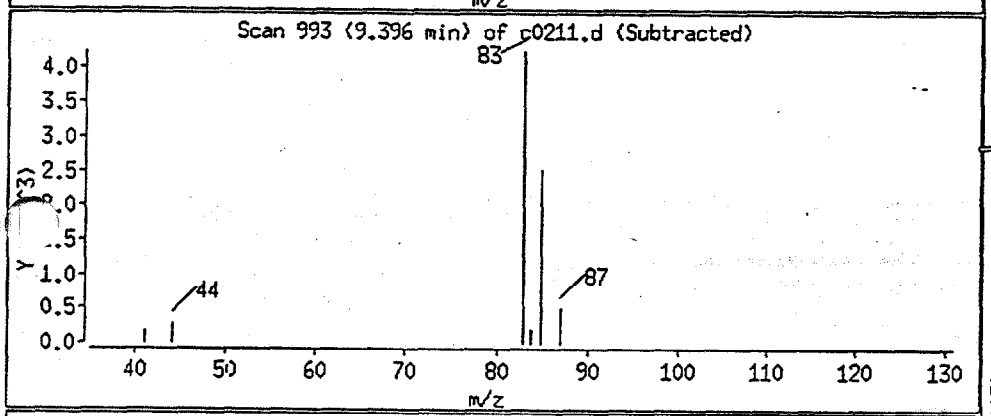
Column diameter : 0.53

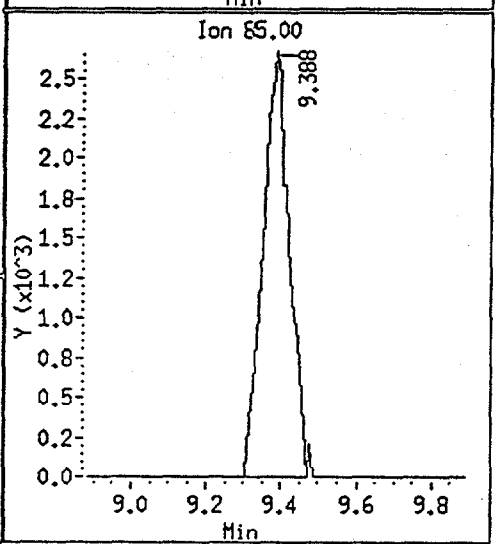
Volume Injected (uL) : 0.0

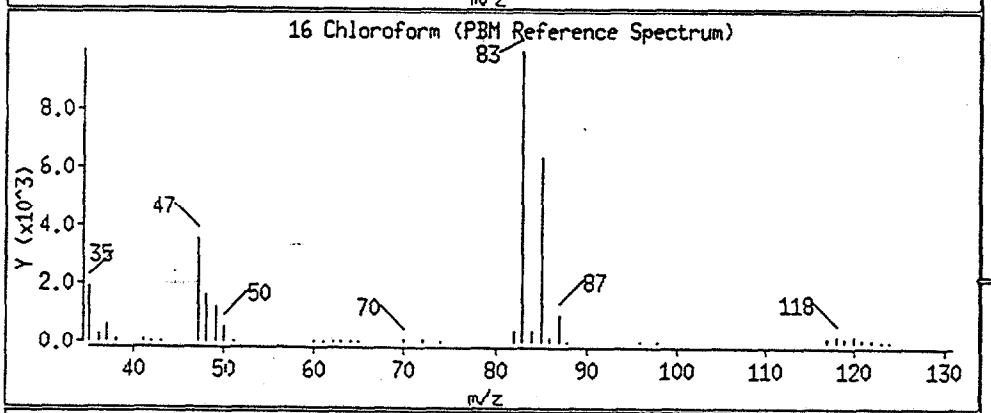
16 Chloroform

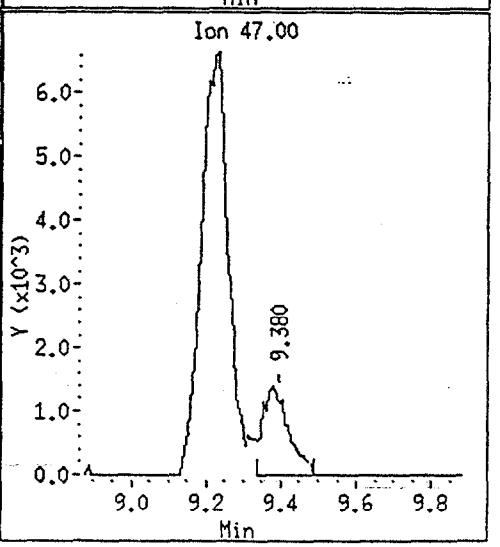


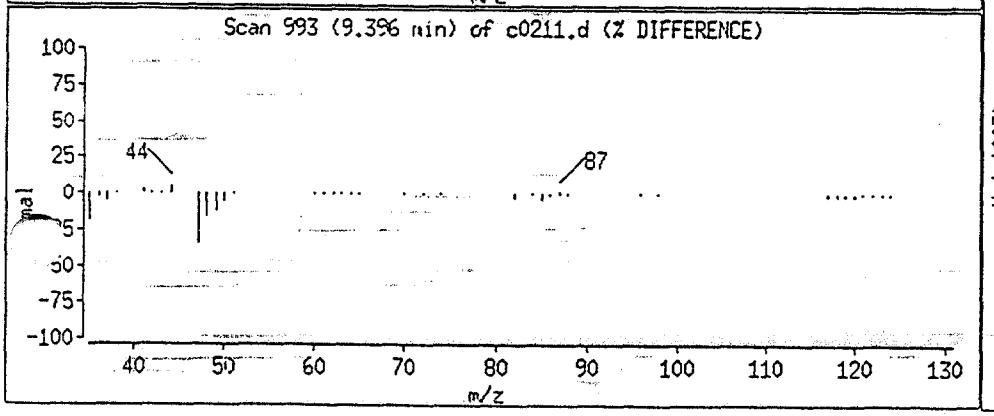












Data File: /chem/aux/msc.i/c111994.b/c0211.d

Date : 20-NOV-94 00:40

Instrument : msc.i

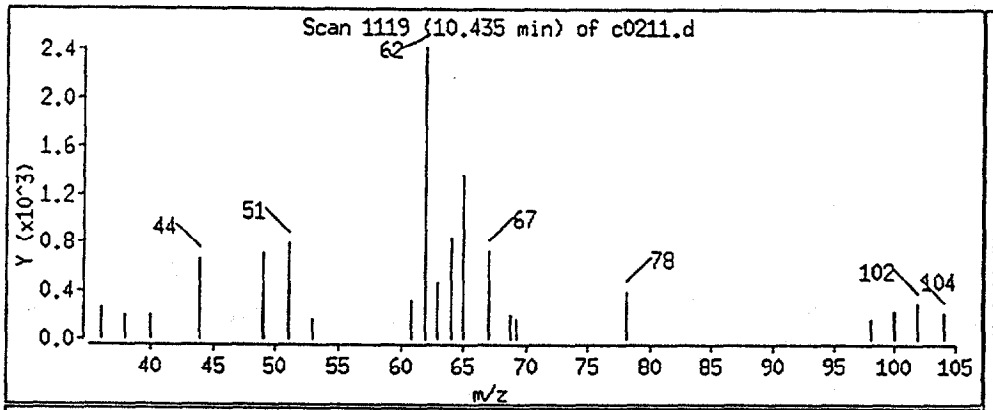
Sample ID : 15629n rb01a/d

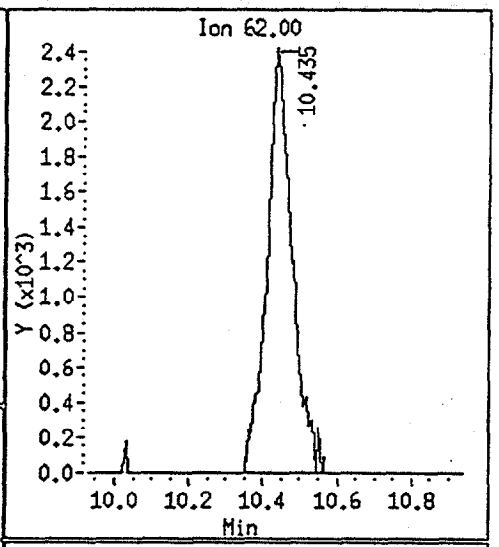
Column phase : J&W DB_624

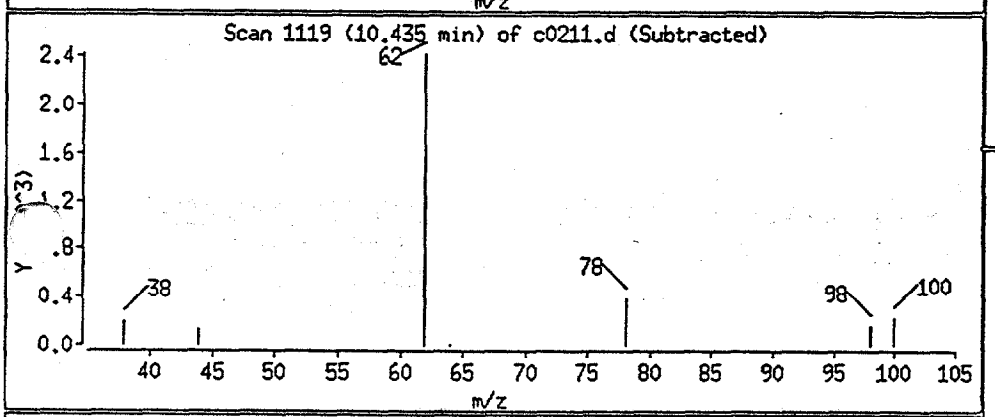
Column diameter : 0.53

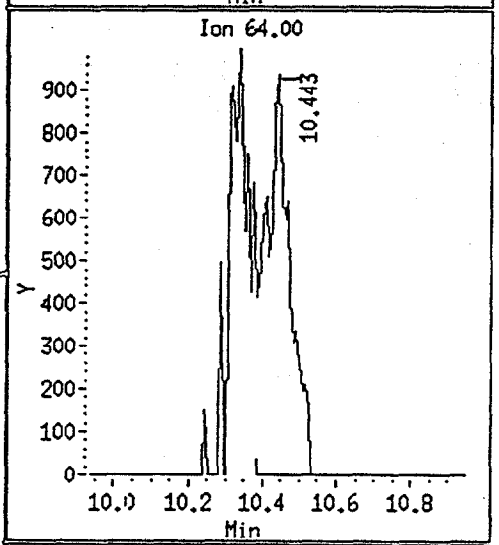
Volume Injected (uL) : 0.0

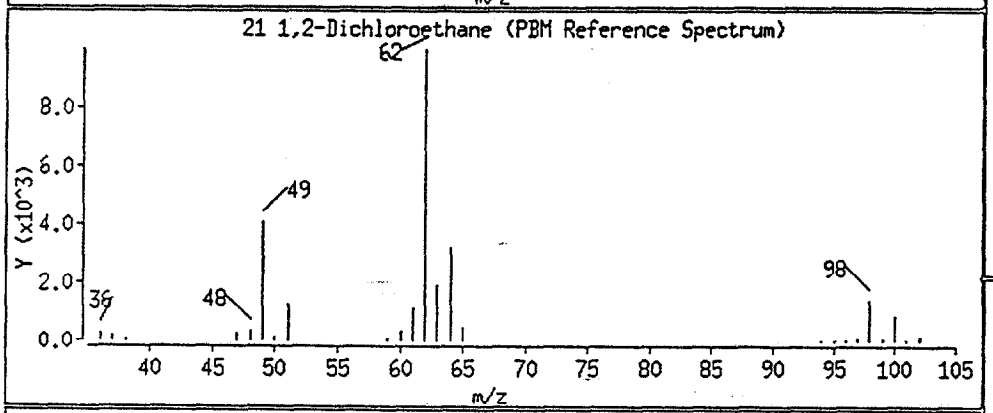
21 1,2-Dichloroethane

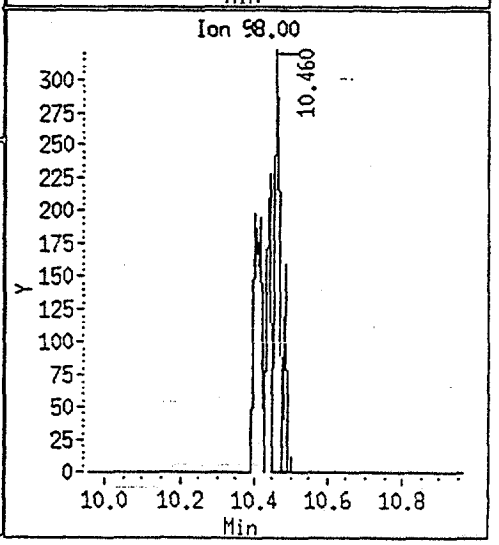


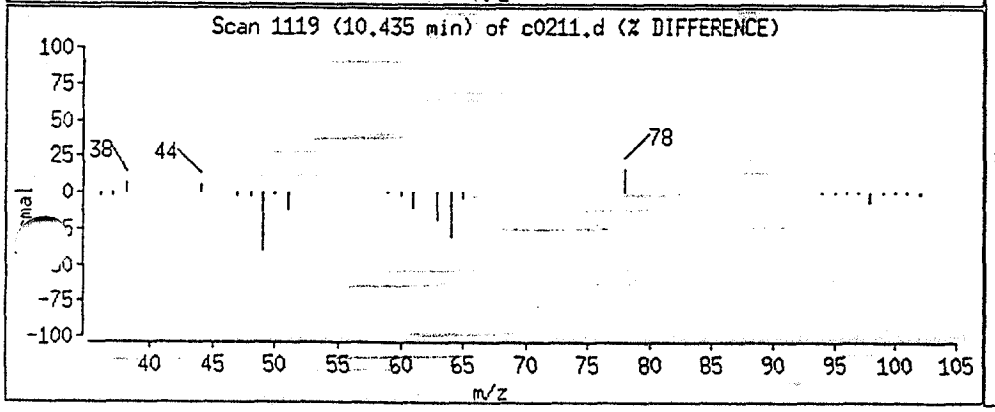












00209

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-01A/DMS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS~~02~~05

Matrix: (soil/water) WATER Lab Sample ID: JN5027VS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0212

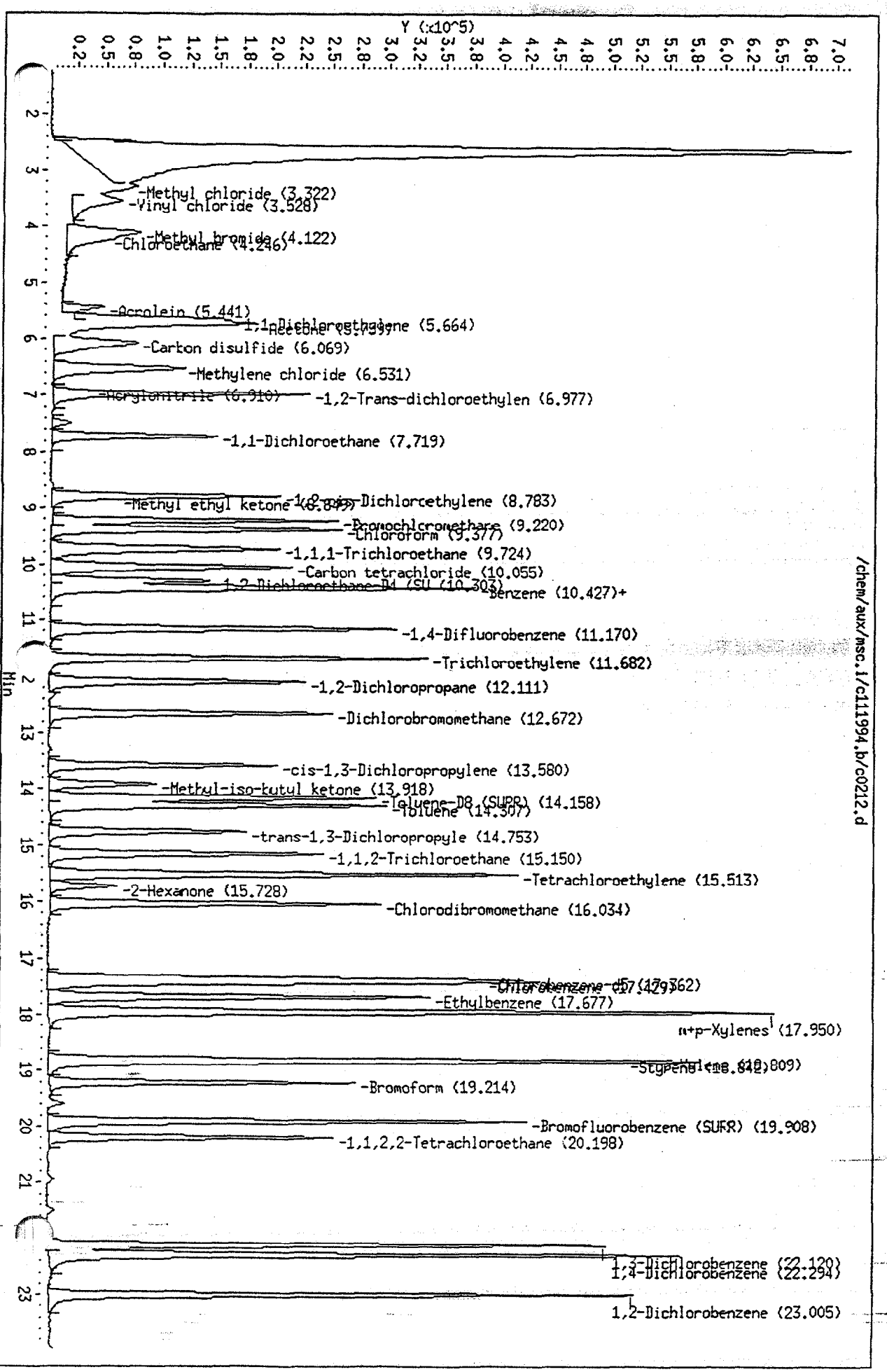
Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. _____ Date Analyzed: 11/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	51	
74-83-9	Bromomethane	50	
75-01-4	Vinyl Chloride	50	
75-00-3	Chloroethane	47	
75-09-2	Methylene Chloride	53	B
67-64-1	Acetone	440	
75-15-0	Carbon Disulfide	49	
75-35-4	1,1-Dichloroethene	51	
75-34-3	1,1-Dichloroethane	48	
67-66-3	Chloroform	48	
107-06-2	1,2-Dichloroethane	44	
78-93-3	2-Butanone	52	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	46	
75-27-4	Bromodichloromethane	46	
78-87-5	1,2-Dichloropropane	49	
10061-01-5	cis-1,3-Dichloropropene	46	
79-01-6	Trichloroethene	50	
124-48-1	Dibromochloromethane	53	
79-00-5	1,1,2-Trichloroethane	53	
71-43-2	Benzene	51	
10061-02-6	trans-1,3-Dichloropropene	48	
75-25-2	Bromoform	53	
108-10-1	Methyl-iso-butyl ketone	49	
591-78-6	2-Hexanone	54	
127-18-4	Tetrachloroethylene	50	
79-34-5	1,1,2,2-Tetrachloroethane	48	
108-88-3	Toluene	45	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	48	
100-42-5	Styrene	48	
1330-20-7	Xylene (total)	150	B
156-60-5	1,2-Trans-dichloroethylene	52	



Data File: /chem/aux/msc.i/c111994.b/c0212.d
Date : 20-NOV-94 01:13
Instrument : msc.i
Sample ID :
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0212.d
Report Date: 21-Nov-1994 07:51

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0212.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 20-NOV-94 01:13
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : 15629n rb01a/dms
Misc Info : jn5027vs,n1v4036,1:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 39
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.322	(0.360)	103557	51.3	51.3
	2 Vinyl chloride	62.00	3.536	(0.384)	159600	50.4	50.4
	3 Methyl bromide	94.00	4.122	(0.447)	204841	50.3	50.3
	4 Chloroethane	64.00	4.246	(0.460)	85600	46.6	46.6
	5 Acrolein	56.00	5.441	(0.590)	96941	268	268
	6 1,1-Dichloroethylene	96.00	5.664	(0.614)	218761	51.2	51.2
	7 Acetone	43.00	5.739	(0.622)	439906	440	440
	8 Carbon disulfide	76.00	6.069	(0.658)	427567	48.6	48.6
	9 Methylene chloride	84.00	6.531	(0.708)	219353	52.5	52.5
	10 Acrylonitrile	53.00	6.910	(0.749)	36786	56.0	56.0(a)
	11 1,2-Trans-dichloroethylene	96.00	6.968	(0.756)	232446	51.5	51.5
	12 1,1-Dichloroethane	63.00	7.719	(0.837)	377961	47.8	47.8
	13 1,2-cis-Dichloroethylene	96.00	8.783	(0.953)	226771	48.8	48.8
	14 Methyl ethyl ketone	72.00	8.849	(0.792)	15807	52.3	52.3(a)
*	15 Bromochloromethane	128.00	9.220	(1.000)	195321	50.0	
	16 Chloroform	83.00	9.386	(1.018)	519983	48.0	48.0
	17 1,1,1-Trichloroethane	97.00	9.724	(0.871)	423561	45.7	45.7
	18 Carbon tetrachloride	117.00	10.055	(0.900)	407705	45.6	45.6
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.303	(1.117)	268858	42.8	42.8
	20 Benzene	78.00	10.418	(0.933)	490074	50.7	50.7
	21 1,2-Dichloroethane	62.00	10.435	(1.132)	348291	44.3	44.3
*	22 1,4-Difluorobenzene	114.00	11.170	(1.000)	717364	50.0	
	23 Trichloroethylene	130.00	11.682	(1.046)	321077	50.3	50.3
	24 1,2-Dichloropropane	63.00	12.111	(1.084)	225730	49.2	49.2
	25 Dichlorobromomethane	83.00	12.672	(1.135)	440607	45.9	45.9
	cis-1,3-Dichloropropylene	75.00	13.588	(1.216)	294470	45.9	45.9
	Methyl-iso-butyl ketone	43.00	13.918	(0.802)	226716	49.2	49.2(a)
$	29 Toluene-D8 (SURR)	98.00	14.166	(0.816)	571598	44.4	44.4
	30 Toluene	92.00	14.307	(0.824)	361169	45.4	45.4

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
31	trans-1,3-Dichloropropylene	75.00	14.753	(1.321)	249299	47.6	47.6
32	1,1,2-Trichloroethane	97.00	15.150	(1.356)	225564	53.3	53.3
33	Tetrachloroethylene	164.00	15.513	(0.893)	333558	49.7	49.7
34	2-Hexanone	43.00	15.728	(0.906)	147173	54.2	54.2
35	Chlorodibromomethane	129.00	16.034	(1.435)	445223	52.9	52.9
* 36	Chlorobenzene-d5	117.00	17.362	(1.000)	517686	50.0	
37	Chlorobenzene	112.00	17.429	(1.004)	532978	49.2	49.2
38	Ethylbenzene	106.00	17.677	(1.018)	225974	48.0	48.0
39	m+p-Xylenes	106.00	17.950	(1.034)	533696	97.4	97.4
40	o-Xylene	106.00	18.809	(1.083)	268332	48.2	48.2
41	Styrene	104.00	18.842	(1.085)	404795	47.9	47.9
42	Bromoform	173.00	19.206	(1.719)	357744	52.8	52.8
$ 43	Bromofluorobenzene (SURR)	95.00	19.916	(1.147)	426438	46.6	46.6
44	1,1,2,2-Tetrachloroethane	83.00	20.198	(1.163)	330154	47.6	47.6
45	1,3-Dichlorobenzene	146.00	22.120	(1.274)	571610	47.0	47.0
46	1,4-Dichlorobenzene	146.00	22.294	(1.284)	683362	46.7	46.7
47	1,2-Dichlorobenzene	146.00	23.005	(1.325)	589125	48.6	48.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

00213

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-01A/DMSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS~~102~~075

Matrix: (soil/water) WATER Lab Sample ID: JN5027VR

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0213

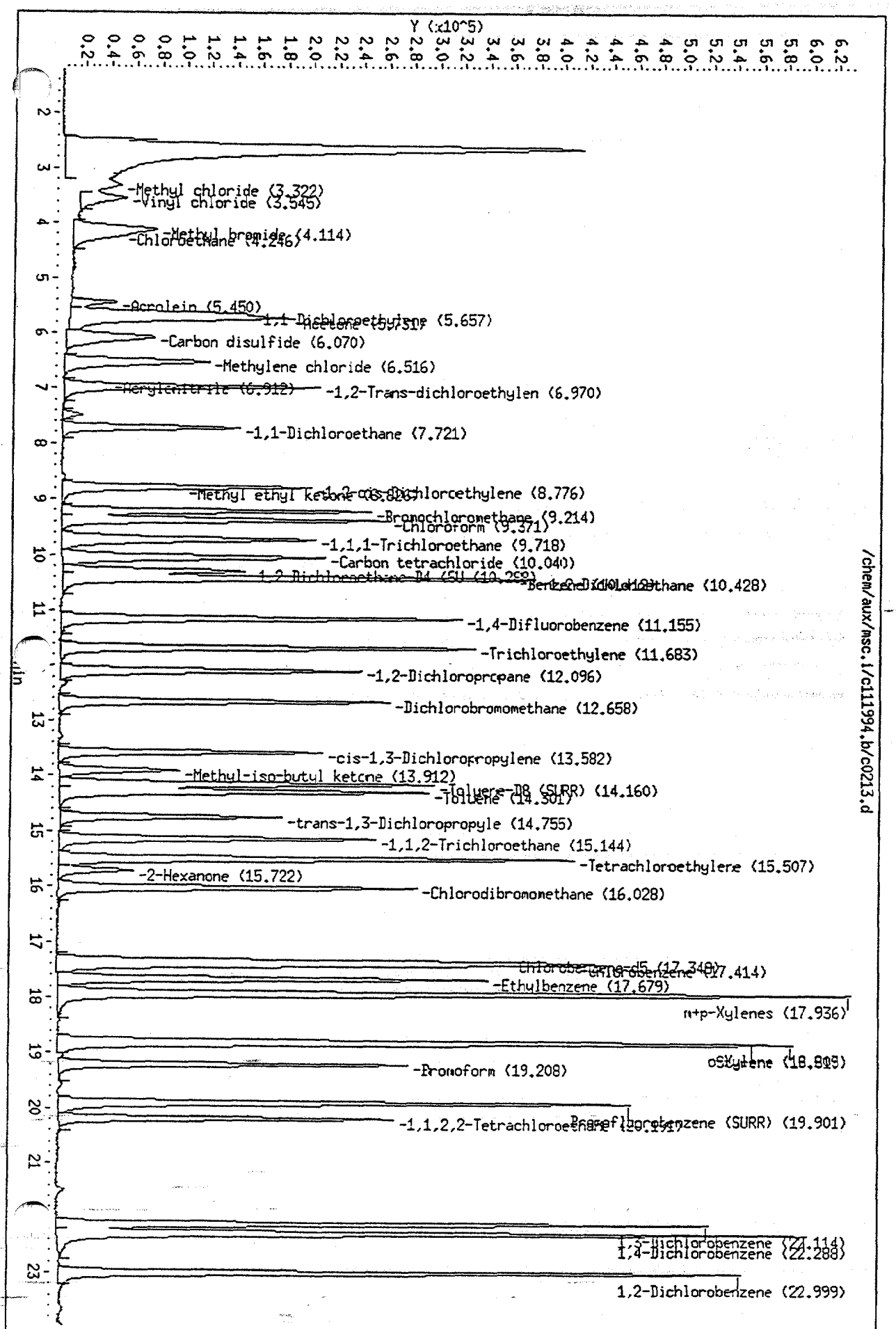
Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. _____ Date Analyzed: 11/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	47	
74-83-9	Bromomethane	50	
75-01-4	Vinyl Chloride	51	
75-00-3	Chloroethane	48	
75-09-2	Methylene Chloride	51	B
67-64-1	Acetone	440	
75-15-0	Carbon Disulfide	48	
75-35-4	1,1-Dichloroethene	51	J
75-34-3	1,1-Dichloroethane	46	
67-66-3	Chloroform	48	
107-06-2	1,2-Dichloroethane	47	
78-93-3	2-Butanone	55	
71-55-6	1,1,1-Trichloroethane	45	
56-23-5	Carbon Tetrachloride	45	
75-27-4	Bromodichloromethane	47	
78-87-5	1,2-Dichloropropane	51	
10061-01-5	cis-1,3-Dichloropropene	46	
79-01-6	Trichloroethene	50	J
124-48-1	Dibromochloromethane	52	
79-00-5	1,1,2-Trichloroethane	54	
71-43-2	Benzene	50	J
10061-02-6	trans-1,3-Dichloropropene	48	
75-25-2	Bromoform	54	
108-10-1	Methyl-iso-butyl ketone	49	
591-78-6	2-Hexanone	53	
127-18-4	Tetrachloroethylene	50	
79-34-5	1,1,2,2-Tetrachloroethane	51	
108-88-3	Toluene	46	J
108-90-7	Chlorobenzene	51	J
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	50	
1330-20-7	Xylene (total)	150	B
156-60-5	1,2-Trans-dichloroethylene	46	



Data File: /chem/aux/msc.i/c111994.b/c0213.d
Date : 20-NOV-94 01:45
Instrument : msc.i
Sample ID :
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0213.d
Report Date: 21-Nov-1994 07:51

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0213.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 20-NOV-94 01:45
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : 15629n rb01a/dmsd
Misc Info : jn5027vr,n1v4036,1:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 40
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.322	(0.361)	93817	46.8	46.8
	2 Vinyl chloride	62.00	3.545	(0.385)	159529	50.7	50.7
	3 Methyl bromide	94.00	4.114	(0.447)	200949	49.7	49.7
	4 Chloroethane	64.00	4.246	(0.461)	87855	48.2	48.2
	5 Acrolein	56.00	5.442	(0.591)	100790	281	281
	6 1,1-Dichloroethylene	96.00	5.657	(0.614)	215855	50.9	50.9
	7 Acetone	43.00	5.740	(0.623)	433113	436	436
	8 Carbon disulfide	76.00	6.078	(0.660)	418415	47.9	47.9
	9 Methylene chloride	84.00	6.507	(0.706)	212303	51.1	51.1
	10 Acrylonitrile	53.00	6.912	(0.750)	32925	50.5	50.5(a)
	11 1,2-Trans-dichloroethylene	96.00	6.970	(0.756)	207574	46.3	46.3
	12 1,1-Dichloroethane	63.00	7.721	(0.838)	363269	46.2	46.2
	13 1,2-cis-Dichloroethylene	96.00	8.776	(0.953)	222290	48.1	48.1
	14 Methyl ethyl ketone	72.00	8.826	(0.792)	16990	55.1	55.1(aQ)
*	15 Bromochloromethane	128.00	9.214	(1.000)	194018	50.0	
	16 Chloroform	83.00	9.371	(1.017)	518974	48.2	48.2
	17 1,1,1-Trichloroethane	97.00	9.718	(0.872)	423963	44.8	44.8
	18 Carbon tetrachloride	117.00	10.040	(0.901)	406275	44.5	44.5
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.288	(1.117)	275789	44.2	44.2
	20 Benzene	78.00	10.412	(0.934)	495819	50.3	50.3
	21 1,2-Dichloroethane	62.00	10.437	(1.133)	364605	46.7	46.7
*	22 1,4-Difluorobenzene	114.00	11.147	(1.000)	732084	50.0	
	23 Trichloroethylene	130.00	11.683	(1.048)	328292	50.4	50.4
	24 1,2-Dichloropropane	63.00	12.088	(1.084)	238104	50.9	50.9
	25 Dichlorobromomethane	83.00	12.658	(1.136)	460179	47.0	47.0
	cis-1,3-Dichloropropylene	75.00	13.582	(1.218)	302198	46.2	46.2
	Methyl-iso-butyl ketone	43.00	13.912	(0.802)	223022	48.6	48.6(a)
$	29 Toluene-D8 (SURR)	98.00	14.160	(0.816)	579236	45.2	45.2
	30 Toluene	92.00	14.293	(0.824)	362278	45.8	45.8

Data File: /chem/aux/msc.i/c111994.b/c0213.d
Report Date: 21-Nov-1994 07:51

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.755	(1.324)	257794	48.2	48.2
	32 1,1,2-Trichloroethane	97.00	15.144	(1.359)	233292	54.0	54.0
	33 Tetrachloroethylene	164.00	15.507	(0.894)	334647	50.1	50.1
	34 2-Hexanone	43.00	15.714	(0.906)	142046	52.6	52.6
	35 Chlorodibromomethane	129.00	16.020	(1.437)	442354	51.5	51.5
*	36 Chlorobenzene-d5	117.00	17.348	(1.000)	515343	50.0	
	37 Chlorobenzene	112.00	17.414	(1.004)	549378	50.9	50.9
	38 Ethylbenzene	106.00	17.679	(1.019)	229972	49.1	49.1
	39 m+p-Xylenes	106.00	17.936	(1.034)	534750	98.0	98.0
	40 o-Xylene	106.00	18.803	(1.084)	265321	47.9	47.9
	41 Styrene	104.00	18.827	(1.085)	418181	49.7	49.7
	42 Bromoform	173.00	19.208	(1.723)	373982	54.0	54.0
$	43 Bromofluorobenzene (SURR)	95.00	19.901	(1.147)	452109	49.6	49.6
	44 1,1,2,2-Tetrachloroethane	83.00	20.191	(1.164)	349197	50.6	50.6
	45 1,3-Dichlorobenzene	146.00	22.114	(1.275)	605931	50.0	50.0
	46 1,4-Dichlorobenzene	146.00	22.288	(1.285)	716841	49.2	49.2
	47 1,2-Dichlorobenzene	146.00	22.999	(1.326)	618361	51.2	51.2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

00217
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

VSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS~~10~~2075 AA

Matrix: (soil/water) WATER Lab Sample ID: N1V4036VS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0209

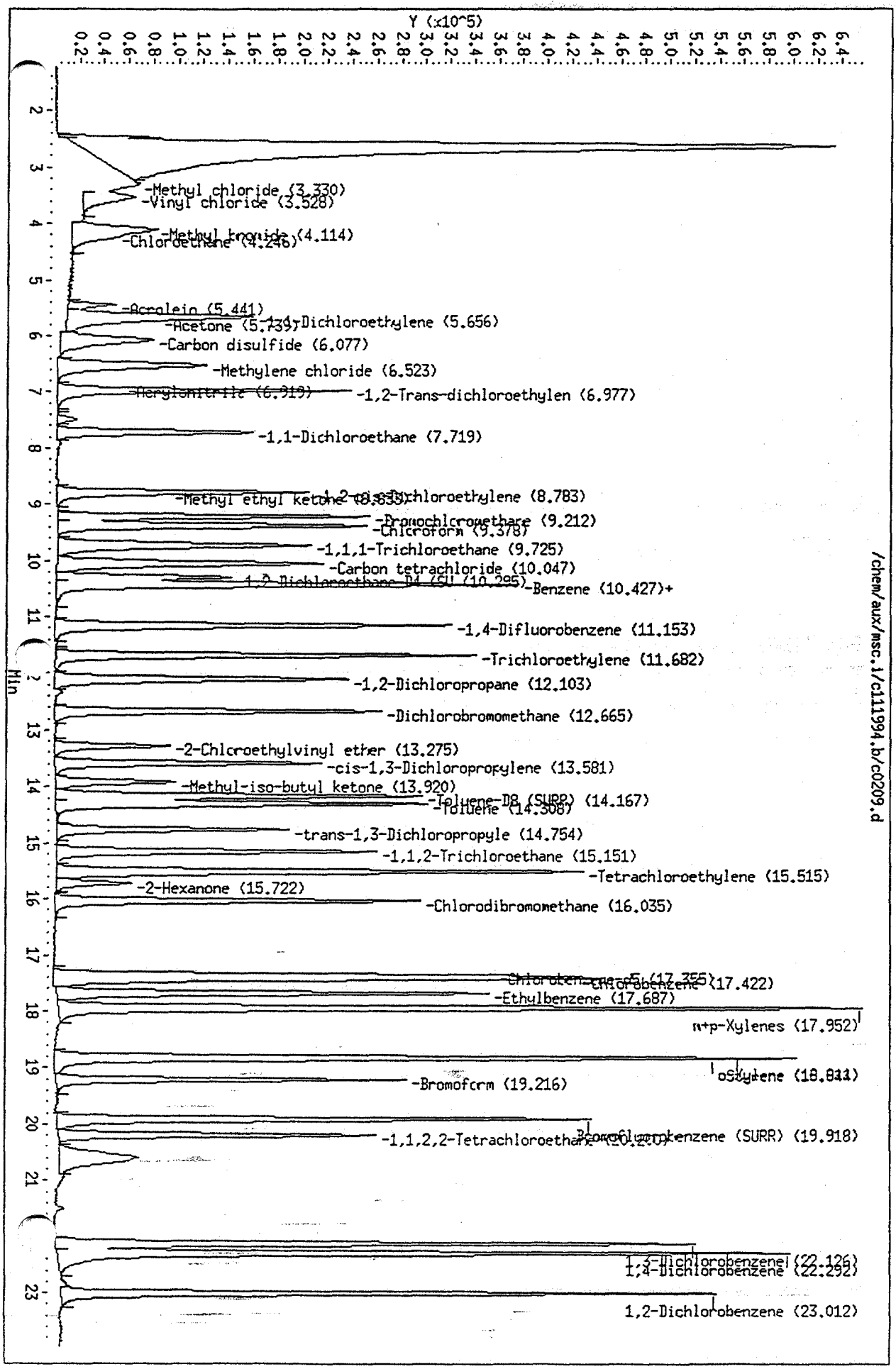
Level: (low/med) LOW Date Received: 11/10/95

% Moisture: not dec. _____ Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: N/A (uL) Soil Aliquot Volume: N/A (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	53	
74-83-9	Bromomethane	50	
75-01-4	Vinyl Chloride	51	
75-00-3	Chloroethane	49	
75-09-2	Methylene Chloride	53	B
67-64-1	Acetone	50	
75-15-0	Carbon Disulfide	50	
75-35-4	1,1-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	51	
67-66-3	Chloroform	46	
107-06-2	1,2-Dichloroethane	44	
78-93-3	2-Butanone	50	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	44	
75-27-4	Bromodichloromethane	46	
78-87-5	1,2-Dichloropropane	50	
10061-01-5	cis-1,3-Dichloropropene	48	
79-01-6	Trichloroethene	51	
124-48-1	Dibromochloromethane	53	
79-00-5	1,1,2-Trichloroethane	55	
71-43-2	Benzene	50	
10061-02-6	trans-1,3-Dichloropropene	50	
75-25-2	Bromoform	53	
108-10-1	Methyl-iso-butyl ketone	49	
591-78-6	2-Hexanone	50	
127-18-4	Tetrachloroethylene	50	
79-34-5	1,1,2,2-Tetrachloroethane	48	
108-88-3	Toluene	47	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	49	
1330-20-7	Xylene (total)	150	B
156-60-5	1,2-Trans-dichloroethylene	51	



Data File: /chem/aux/msc.i/c111994.b/c0209.d
Date : 19-NOV-94 23:35
Instrument : msc.i
Sample ID : n1v4036vs
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111994.b/c0209.d
Report Date: 21-Nov-1994 07:53

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111994.b/c0209.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 19-NOV-94 23:35
Autotune Date: {
Operator : dana
Inst ID: msc.i
Smp Info : met spk
Misc Info : n1v4036vs,n1v4036,l:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c111994.b/8240ambic.m
Meth Date : 21-Nov-1994 07:48 jeff
Cal Date : 19-NOV-94 16:20
Cal File: c0195.d
Als bottle: 36
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.330	(0.361)	108208	52.7	52.7
	2 Vinyl chloride	62.00	3.528	(0.383)	163087	50.6	50.6
	3 Methyl bromide	94.00	4.114	(0.447)	208808	50.4	50.4
	4 Chloroethane	64.00	4.246	(0.461)	91013	48.8	48.8
	5 Acrolein	56.00	5.441	(0.591)	89374	243	243
	6 1,1-Dichloroethylene	96.00	5.664	(0.615)	225069	51.8	51.8
	7 Acetone	43.00	5.739	(0.623)	50812	50.0	50.0(a)
	8 Carbon disulfide	76.00	6.077	(0.660)	445470	49.8	49.8
	9 Methylene chloride	84.00	6.523	(0.708)	226152	53.2	53.2
	10 Acrylonitrile	53.00	6.919	(0.751)	34328	51.4	51.4(a)
	11 1,2-Trans-dichloroethylene	96.00	6.977	(0.757)	235912	51.4	51.4
	12 1,1-Dichloroethane	63.00	7.719	(0.838)	409698	50.9	50.9
	13 1,2-cis-Dichloroethylene	96.00	8.791	(0.954)	226280	47.9	47.9
	14 Methyl ethyl ketone	72.00	8.833	(0.792)	15560	50.0	50.0(a)
*	15 Bromochloromethane	128.00	9.212	(1.000)	198617	50.0	
	16 Chloroform	83.00	9.378	(1.018)	505906	45.9	45.9
	17 1,1,1-Trichloroethane	97.00	9.725	(0.872)	434664	45.6	45.6
	18 Carbon tetrachloride	117.00	10.047	(0.901)	406352	44.1	44.1
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.286	(1.117)	267824	42.0	42.0
	20 Benzene	78.00	10.419	(0.934)	501112	50.4	50.4
	21 1,2-Dichloroethane	62.00	10.435	(1.133)	347148	43.5	43.5
*	22 1,4-Difluorobenzene	114.00	11.153	(1.000)	738914	50.0	
	23 Trichloroethylene	130.00	11.690	(1.048)	333667	50.7	50.7
	24 1,2-Dichloropropane	63.00	12.103	(1.085)	236811	50.1	50.1
	25 Dichlorobromomethane	83.00	12.656	(1.135)	458928	46.4	46.4
	26 2-Chloroethylvinyl ether	63.00	13.275	(1.190)	109611	49.3	49.3
	27 cis-1,3-Dichloropropylene	75.00	13.589	(1.218)	314748	47.6	47.6
	28 Methyl-iso-butyl ketone	43.00	13.920	(0.802)	232321	49.0	49.0(a)
$	29 Toluene-D8 (SURR)	98.00	14.167	(0.816)	597044	45.2	45.2

Data File: /chem/aux/msc.i/c111994.b/c0209.d
Report Date: 21-Nov-1994 07:53

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	30 Toluene	92.00	14.308	(0.824)	380491	46.6	46.6
	31 trans-1,3-Dichloropropylene	75.00	14.754	(1.323)	270196	50.0	50.0
	32 1,1,2-Trichloroethane	97.00	15.159	(1.359)	238023	54.6	54.6
	33 Tetrachloroethylene	164.00	15.523	(0.894)	346235	50.2	50.2
	34 2-Hexanone	43.00	15.722	(0.906)	140182	50.3	50.3
	35 Chlorodibromomethane	129.00	16.027	(1.437)	458352	52.9	52.9
*	36 Chlorobenzene-d5	117.00	17.355	(1.000)	531837	50.0	
	37 Chlorobenzene	112.00	17.422	(1.004)	552550	49.6	49.6
	38 Ethylbenzene	106.00	17.687	(1.019)	235111	48.6	48.6
	39 m+p-Xylenes	106.00	17.952	(1.034)	547600	97.2	97.2
	40 o-Xylene	106.00	18.811	(1.084)	277621	48.6	48.6
	41 Styrene	104.00	18.844	(1.086)	425155	48.9	48.9
	42 Bromoform	173.00	19.216	(1.723)	367909	52.7	52.7
$	43 Bromofluorobenzene (SURR)	95.00	19.918	(1.148)	449048	47.8	47.8
	44 1,1,2,2-Tetrachloroethane	83.00	20.208	(1.164)	339529	47.7	47.7
	45 1,3-Dichlorobenzene	146.00	22.126	(1.275)	599874	48.0	48.0
	46 1,4-Dichlorobenzene	146.00	22.300	(1.285)	684127	45.5	45.5
	47 1,2-Dichlorobenzene	146.00	23.012	(1.326)	601258	48.2	48.2

Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

00221
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

A01SS-49MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CWDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4617VS

Sample wt/vol: 5.38 (g/mL) G Lab File ID: C0154

Level: (low/med) LOW Date Received: 11/09/94

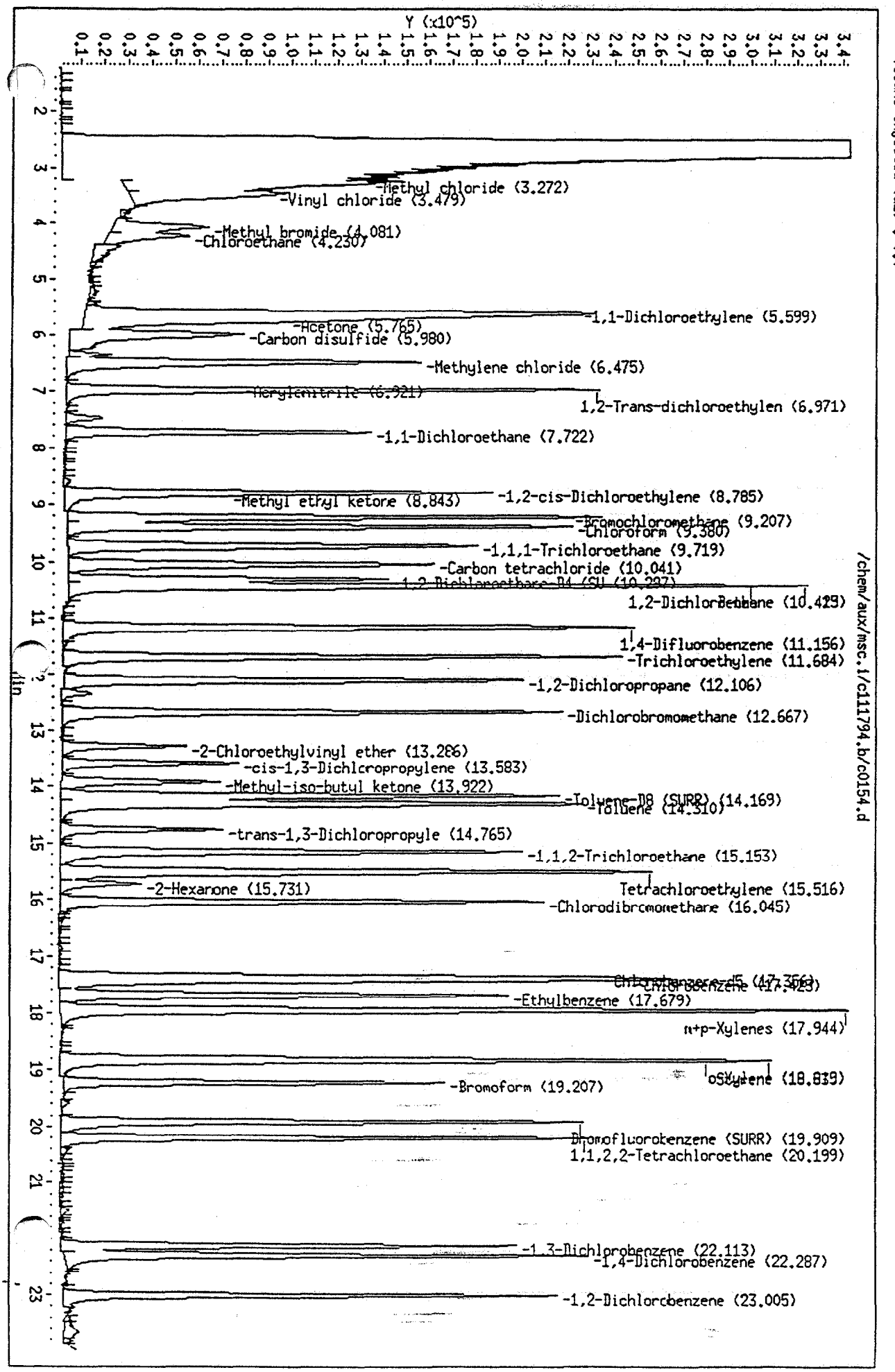
% Moisture: not dec. 6 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Unk hydrocarbon	74	
634-66-2	Benzene, 1,2,3,4-tetrachloro-	27	
	unknown	54	
	Unk hydrocarbon	54	
634-66-2	Benzene, 1,2,3,4-tetrachloro-	54	B
	unknown	56	
74-87-3	Chloromethane	37	
74-83-9	Bromomethane	49	
75-01-4	Vinyl Chloride	46	
75-09-2	Methylene Chloride	44	
67-64-1	Acetone	43	
75-15-0	Carbon Disulfide	38	
75-35-4	1,1-Dichloroethene	46	
75-34-3	1,1-Dichloroethane	42	
540-59-0	1,2-Dichloroethene (total)	46	
67-66-3	Chloroform	47	
107-06-2	1,2-Dichloroethane	21	
78-93-3	2-Butanone	44	
71-55-6	1,1,1-Trichloroethane	42	
56-23-5	Carbon Tetrachloride	46	
75-27-4	Bromodichloromethane	46	
78-87-5	1,2-Dichloropropane	21	
10061-01-5	cis-1,3-Dichloropropene	32	
79-01-6	Trichloroethene	29	
124-48-1	Dibromochloromethane	20	
79-00-5	1,1,2-Trichloroethane	51	
71-43-2	Benzene	47	
10061-02-6	trans-1,3-Dichloropropene	56	
75-25-2	Bromoform	42	
108-10-1	Methyl-iso-butyl ketone	41	
591-78-6	2-Hexanone	31	
127-18-4	Tetrachloroethylene	120	
156-60-5	1,2-Trans-dichloroethylene	51	

Data File: /chem/aux/msc.i/c111794.b/c0154.d
Date : 17-NOV-94 16:57
Instrument : msc.i
Sample ID : a01ss-49 ms
Column phase : J&W DB_624
Volume Injected (uL) : 0.0



Column diameter : 0.53

Data File: /chem/aux/msc.i/c111794.b/c0154.d
Report Date: 18-Nov-1994 06:54

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111794.b/c0154.d
Lab. Id. :
Inj Date : 17-NOV-94 16:57
Operator : dana
Smp Info : 15629n a01ss-49 ms
Misc Info : jn4617vs,n2v4030,s:m2,5.38,5:1
Comment :
Method : /chem/aux/msc.i/c111794.b/8240heatc.m
Meth Date : 18-Nov-1994 06:50 tom
Cal Date : 17-NOV-94 14:36
Als bottle: 6
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i
Cal File: c0150.d
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.272	(0.355)	155800	80.1	80.1(T)
	2 Vinyl chloride	62.00	3.479	(0.378)	171050	58.1	58.1(T)
	3 Methyl bromide	94.00	4.081	(0.443)	99658	29.1	29.1
	4 Chloroethane	64.00	4.230	(0.459)	93256	58.2	58.2
	6 1,1-Dichloroethylene	96.00	5.599	(0.608)	187957	52.8	52.8
	7 Acetone	43.00	5.765	(0.626)	99547	60.3	60.3(a)
	8 Carbon disulfide	76.00	5.980	(0.650)	317900	40.0	40.0
	9 Methylene chloride	84.00	6.475	(0.703)	209549	58.6	58.6
	10 Acrylonitrile	53.00	6.921	(0.752)	23996	22.5	22.5(a)
	11 1,2-Trans-dichloroethylene	96.00	6.971	(0.757)	207779	55.2	55.2
	12 1,1-Dichloroethane	63.00	7.713	(0.838)	341551	49.1	49.1
	13 1,2-cis-Dichloroethylene	96.00	8.777	(0.953)	197439	49.1	49.1
	14 Methyl ethyl ketone	72.00	8.843	(0.792)	21304	40.5	40.5(a)
*	15 Bromochloromethane	128.00	9.207	(1.000)	162497	50.0	
	16 Chloroform	83.00	9.380	(1.019)	430175	47.6	47.6
	17 1,1,1-Trichloroethane	97.00	9.719	(0.871)	342554	49.6	49.6
	18 Carbon tetrachloride	117.00	10.041	(0.899)	283690	45.2	45.2
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.297	(1.118)	259898	48.4	48.4
	20 Benzene	78.00	10.413	(0.933)	399379	49.4	49.4
	21 1,2-Dichloroethane	62.00	10.438	(1.134)	321327	46.2	46.2
*	22 1,4-Difluorobenzene	114.00	11.164	(1.000)	547236	50.0	
	23 Trichloroethylene	130.00	11.684	(1.047)	220583	47.5	47.5
	24 1,2-Dichloropropane	63.00	12.097	(1.084)	192817	50.8	50.8
	25 Dichlorobromomethane	83.00	12.667	(1.135)	373535	49.5	49.5
	26 2-Chloroethylvinyl ether	63.00	13.286	(1.190)	61520	29.1	29.1
	27 cis-1,3-Dichloropropylene	75.00	13.591	(1.217)	108191	22.6	22.6
	28 Methyl-iso-butyl ketone	43.00	13.922	(0.802)	160386	30.8	30.8(a)
$	29 Toluene-D8 (SURR)	98.00	14.169	(0.816)	406185	60.1	60.1(R)
	30 Toluene	92.00	14.310	(0.825)	266531	60.4	60.4

Data File: /chem/aux/msc.i/c111794.b/c0154.d
Report Date: 18-Nov-1994 06:54

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.765	(1.322)	98115	22.6	22.6
	32 1,1,2-Trichloroethane	97.00	15.153	(1.357)	176882	49.6	49.6
	33 Tetrachloroethylene	164.00	15.516	(0.894)	201098	55.1	55.1
	34 2-Hexanone	43.00	15.723	(0.906)	83461	21.0	21.0(a)
	35 Chlorodibromomethane	129.00	16.045	(1.437)	293345	44.7	44.7
*	36 Chlorobenzene-d5	117.00	17.356	(1.000)	307583	50.0	
	37 Chlorobenzene	112.00	17.423	(1.004)	293561	45.4	45.4
	38 Ethylbenzene	106.00	17.679	(1.019)	123599	44.4	44.4
	39 m+p-Xylenes	106.00	17.944	(1.034)	267548	80.0	80.0
	40 o-Xylene	106.00	18.810	(1.084)	152467	45.5	45.5
	41 Styrene	104.00	18.835	(1.085)	170972	33.0	33.0
	42 Bromoform	173.00	19.207	(1.720)	214319	34.0	34.0
$	43 Bromofluorobenzene (SURR)	95.00	19.909	(1.147)	231799	41.5	41.5(R)
	44 1,1,2,2-Tetrachloroethane	83.00	20.199	(1.164)	296430	51.1	51.1
	45 1,3-Dichlorobenzene	146.00	22.113	(1.274)	215512	32.3	32.3
	46 1,4-Dichlorobenzene	146.00	22.295	(1.285)	262879	32.6	32.6
	47 1,2-Dichlorobenzene	146.00	23.014	(1.326)	226311	34.3	34.3

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-49MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226V SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4617VR

Sample wt/vol: 5.25 (g/mL) G Lab File ID: C0155

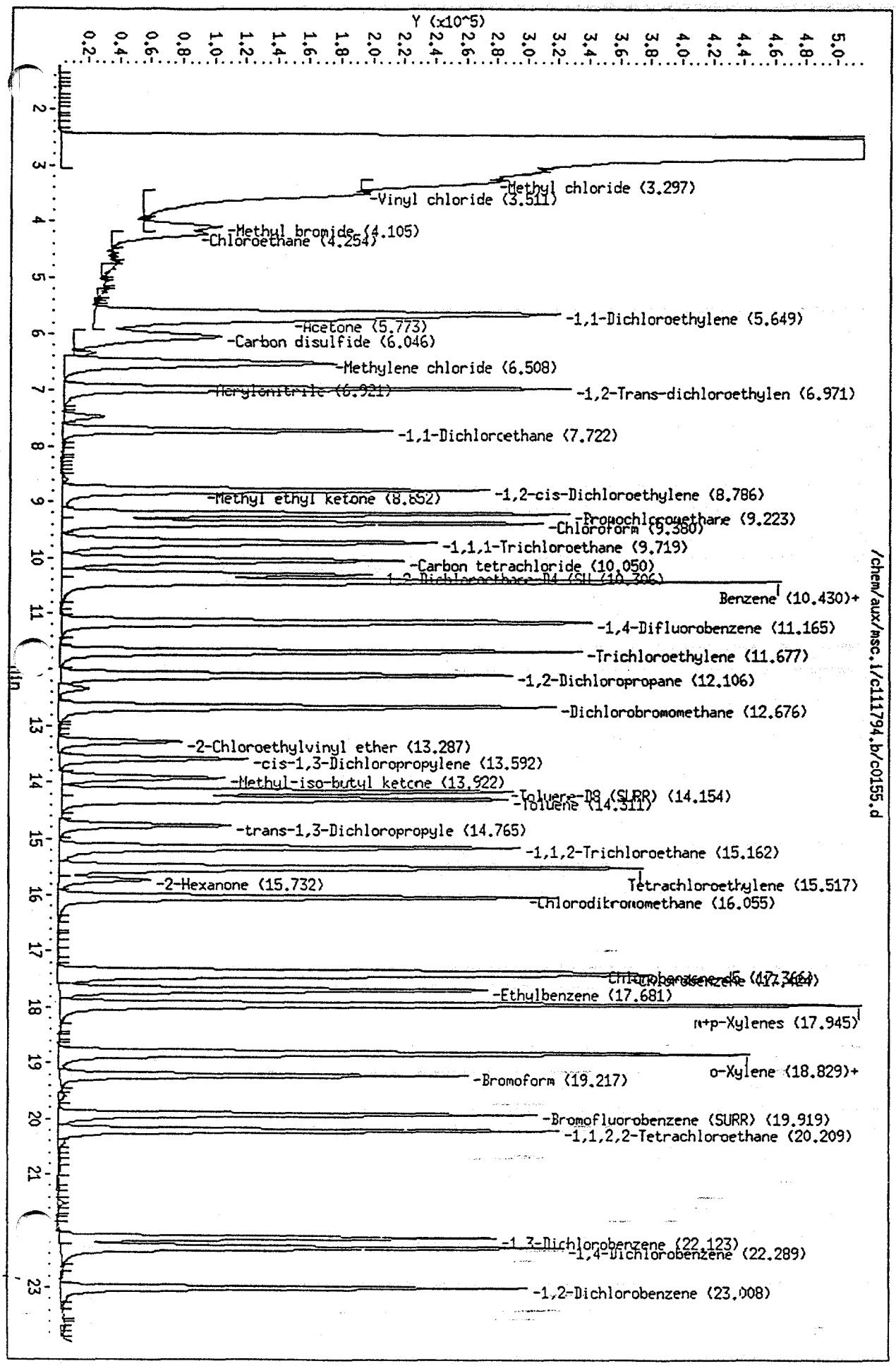
Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 6 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Unk hydrocarbon	65	J
634-66-2	Benzene, 1,2,3,4-tetrachloro-	30	J
	unknown	56	J
	Unk hydrocarbon	54	J
634-66-2	Benzene, 1,2,3,4-tetrachloro-	56	JB
	unknown	57	J
74-87-3	Chloromethane	40	J
74-83-9	Bromomethane	54	J
75-01-4	Vinyl Chloride	52	J
75-09-2	Methylene Chloride	45	J
67-64-1	Acetone	44	J
75-15-0	Carbon Disulfide	43	J
75-35-4	1,1-Dichloroethene	48	J
75-34-3	1,1-Dichloroethane	43	J
540-59-0	1,2-Dichloroethene (total)	49	J
67-66-3	Chloroform	50	J
107-06-2	1,2-Dichloroethane	24	J
78-93-3	2-Butanone	45	J
71-55-6	1,1,1-Trichloroethane	48	J
56-23-5	Carbon Tetrachloride	50	J
75-27-4	Bromodichloromethane	47	J
78-87-5	1,2-Dichloropropane	24	J
10061-01-5	cis-1,3-Dichloropropene	35	J
79-01-6	Trichloroethene	32	J
124-48-1	Dibromochloromethane	23	J
79-00-5	1,1,2-Trichloroethane	51	J
71-43-2	Benzene	48	J
10061-02-6	trans-1,3-Dichloropropene	53	J
75-25-2	Bromoform	44	J
108-10-1	Methyl-iso-butyl ketone	42	J
591-78-6	2-Hexanone	32	J
127-18-4	Tetrachloroethylene	120	
156-60-5	1,2-Trans-dichloroethylene	53	J



Data File: /chem/aux/msc.i/c111794.b/c0155.d
Date : 17-NOV-94 17:31
Instrument : msc.i
Sample ID : a01ss-49 msd
Column phase : J&W DB_624
Volume Injected (uL) : 0.0
Column diameter : 0.53

Data File: /chem/aux/msc.i/c111794.b/c0155.d
Report Date: 18-Nov-1994 06:54

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111794.b/c0155.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 17-NOV-94 17:31
Autotune Date: (
Operator : dana
Inst ID: msc.i
Smp Info : 15629n a01ss-49 msd
Misc Info : jn4617vr,n2v4030,s:m2,5.25,5:1
Comment :
Method : /chem/aux/msc.i/c111794.b/8240heatc.m
Meth Date : 18-Nov-1994 06:50 tom
Cal Date : 17-NOV-94 14:36
Cal File: c0150.d
Als bottle: 7
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.297	(0.357)	189895	68.5	68.5
	2 Vinyl chloride	62.00	3.511	(0.381)	244494	58.3	58.3
	3 Methyl bromide	94.00	4.097	(0.444)	153428	31.4	31.4
	4 Chloroethane	64.00	4.254	(0.461)	129023	56.4	56.4
	6 1,1-Dichloroethylene	96.00	5.649	(0.612)	284858	56.2	56.2
	7 Acetone	43.00	5.773	(0.626)	141862	60.2	60.2(a)
	8 Carbon disulfide	76.00	6.046	(0.656)	472285	41.7	41.7
	9 Methylene chloride	84.00	6.508	(0.706)	298603	58.6	58.6
	10 Acrylonitrile	53.00	6.921	(0.750)	37200	24.5	24.5(a)
	11 1,2-Trans-dichloroethylene	96.00	6.971	(0.756)	299177	55.8	55.8
	12 1,1-Dichloroethane	63.00	7.714	(0.836)	540855	54.5	54.5
	13 1,2-cis-Dichloroethylene	96.00	8.786	(0.953)	286543	50.0	50.0
	14 Methyl ethyl ketone	72.00	8.852	(0.792)	33099	45.0	45.0(a)
*	15 Bromochloromethane	128.00	9.223	(1.000)	231654	50.0	
	16 Chloroform	83.00	9.380	(1.017)	609524	47.3	47.3
	17 1,1,1-Trichloroethane	97.00	9.719	(0.870)	489119	50.6	50.6
	18 Carbon tetrachloride	117.00	10.050	(0.899)	397430	45.3	45.3
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.306	(1.117)	355857	46.5	46.5
	20 Benzene	78.00	10.430	(0.933)	563450	49.8	49.8
	21 1,2-Dichloroethane	62.00	10.438	(1.132)	456442	46.0	46.0
*	22 1,4-Difluorobenzene	114.00	11.173	(1.000)	765187	50.0	
	23 Trichloroethylene	130.00	11.677	(1.045)	305644	47.1	47.1
	24 1,2-Dichloropropane	63.00	12.106	(1.084)	278934	52.5	52.5
	25 Dichlorobromomethane	83.00	12.676	(1.135)	543174	51.5	51.5
	26 2-Chloroethylvinyl ether	63.00	13.295	(1.190)	91045	30.8	30.8
	27 cis-1,3-Dichloropropylene	75.00	13.600	(1.217)	169227	25.3	25.3
	28 Methyl-iso-butyl ketone	43.00	13.922	(0.802)	253049	33.8	33.8(a)
$	29 Toluene-D8 (SURR)	98.00	14.154	(0.815)	560476	57.7	57.7(R)
	30 Toluene	92.00	14.311	(0.824)	354814	55.9	55.9

Data File: /chem/aux/msc.i/c111794.b/c0155.d
Report Date: 18-Nov-1994 06:54

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.765	(1.322)	153992	25.4	25.4
	32 1,1,2-Trichloroethane	97.00	15.162	(1.357)	264100	52.9	52.9
	33 Tetrachloroethylene	164.00	15.517	(0.894)	281502	53.7	53.7
	34 2-Hexanone	43.00	15.724	(0.905)	140534	24.6	24.6(a)
	35 Chlorodibromomethane	129.00	16.055	(1.437)	466955	50.9	50.9
*	36 Chlorobenzene-d5	117.00	17.366	(1.000)	442188	50.0	
	37 Chlorobenzene	112.00	17.424	(1.003)	432526	46.5	46.5
	38 Ethylbenzene	106.00	17.672	(1.018)	174798	43.7	43.7
	39 m+p-Xylenes	106.00	17.954	(1.034)	398840	82.9	82.9
	40 o-Xylene	106.00	18.820	(1.084)	217854	45.3	45.3
	41 Styrene	104.00	18.837	(1.085)	246708	33.2	33.2
	42 Bromoform	173.00	19.217	(1.720)	324279	36.8	36.8
$	43 Bromofluorobenzene (SURR)	95.00	19.919	(1.147)	307581	38.3	38.3(R)
	44 1,1,2,2-Tetrachloroethane	83.00	20.209	(1.164)	423788	50.8	50.8
	45 1,3-Dichlorobenzene	146.00	22.123	(1.274)	297204	31.0	31.0
	46 1,4-Dichlorobenzene	146.00	22.289	(1.283)	354548	30.6	30.6
	47 1,2-Dichlorobenzene	146.00	23.016	(1.325)	314693	33.2	33.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

00229
EPA SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

VSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 52240N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N2V4030VS

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0152

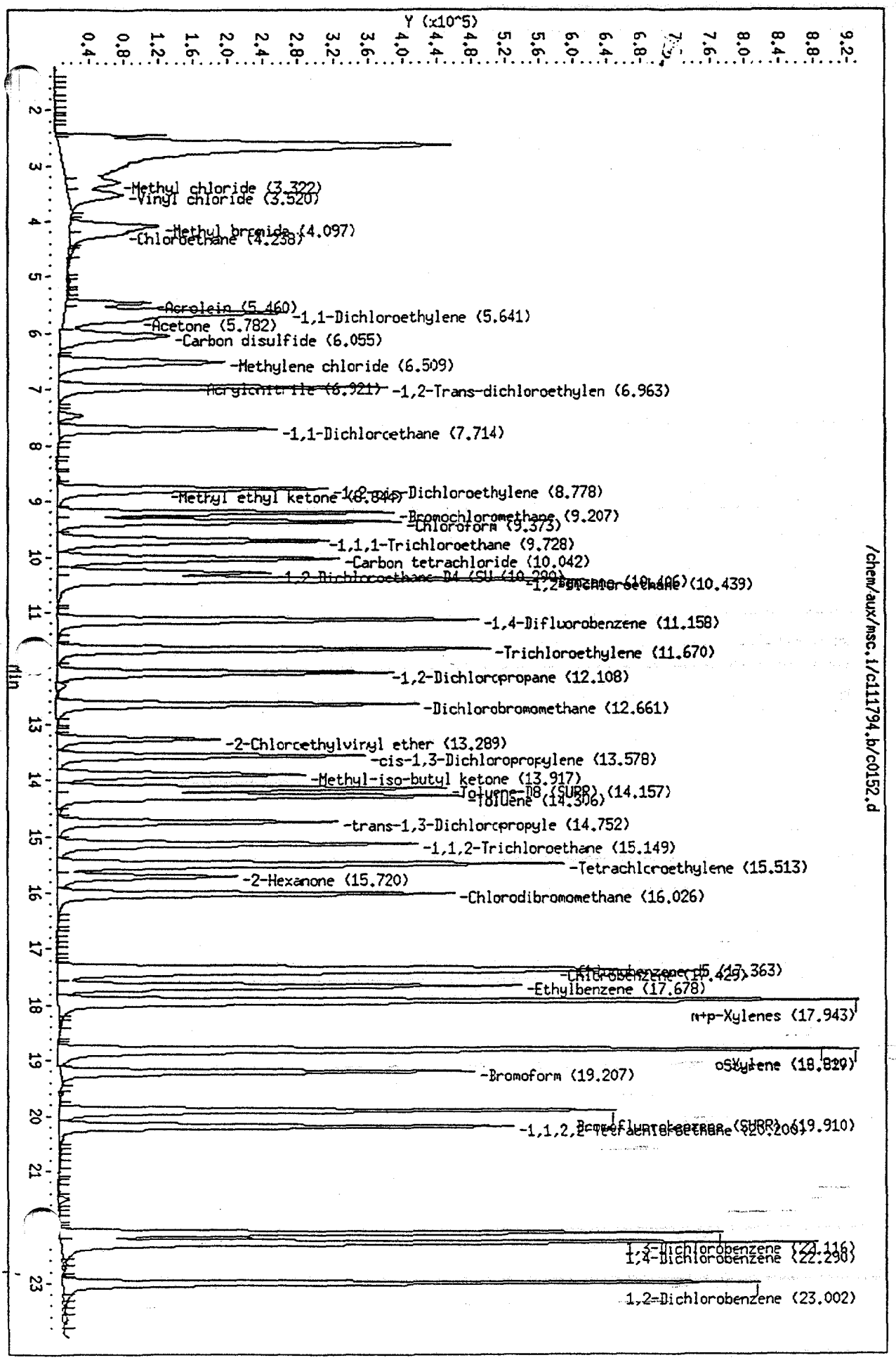
Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. _____ Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	55	
74-83-9	Bromomethane	56	
75-01-4	Vinyl Chloride	53	
75-00-3	Chloroethane	53	
75-09-2	Methylene Chloride	54	B
67-64-1	Acetone	55	
75-15-0	Carbon Disulfide	56	
75-35-4	1,1-Dichloroethene	54	
75-34-3	1,1-Dichloroethane	55	
67-66-3	Chloroform	50	
107-06-2	1,2-Dichloroethane	51	
78-93-3	2-Butanone	47	
71-55-6	1,1,1-Trichloroethane	49	
56-23-5	Carbon Tetrachloride	50	
75-27-4	Bromodichloromethane	50	
78-87-5	1,2-Dichloropropane	52	
10061-01-5	cis-1,3-Dichloropropene	56	
79-01-6	Trichloroethene	53	
124-48-1	Dibromochloromethane	54	
79-00-5	1,1,2-Trichloroethane	54	
71-43-2	Benzene	50	
10061-02-6	trans-1,3-Dichloropropene	55	
75-25-2	Bromoform	52	
108-10-1	Methyl-iso-butyl ketone	55	
591-78-6	2-Hexanone	54	
127-18-4	Tetrachloroethylene	52	
79-34-5	1,1,2,2-Tetrachloroethane	52	
108-88-3	Toluene	53	
108-90-7	Chlorobenzene	52	
100-41-4	Ethylbenzene	51	
100-42-5	Styrene	50	
1330-20-7	Xylene (total)	150	
156-60-5	1,2-Trans-dichloroethylene	53	



Data File: /chem/aux/msc.i/c111794.b/c0152.d
Date : 17-NOV-94 15:47
Instrument : msc.i
Sample ID : vblk01 spk
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c111794.b/c0152.d
Report Date: 18-Nov-1994 06:53

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c111794.b/c0152.d
Lab. Id. : Quant Type: ISTD
Inj Date : 17-NOV-94 15:47 Autotune Date: (
Operator : dana Inst ID: msc.i
Smp Info : method blank spk
Misc Info : n2v4030vs,n2v4030,s:m2,5.00,5:1
Comment :
Method : /chem/aux/msc.i/c111794.b/8240heatc.m
Meth Date : 18-Nov-1994 06:50 tom
Cal Date : 17-NOV-94 14:36 Cal File: c0150.d
Als bottle: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methyl chloride	50.00	3.322	(0.360)	179229	54.5	54.5
2	Vinyl chloride	62.00	3.520	(0.382)	265498	53.3	53.3
3	Methyl bromide	94.00	4.089	(0.444)	327095	56.4	56.4
4	Chloroethane	64.00	4.238	(0.460)	143791	53.0	53.0
5	Acrolein	56.00	5.468	(0.593)	283509	301	301
6	1,1-Dichloroethylene	96.00	5.633	(0.611)	322505	53.6	53.6
7	Acetone	43.00	5.782	(0.627)	153808	55.0	55.0(a)
8	Carbon disulfide	76.00	6.055	(0.657)	756572	56.2	56.2
9	Methylene chloride	84.00	6.509	(0.706)	327237	54.1	54.1
10	Acrylonitrile	53.00	6.921	(0.751)	102692	56.9	56.9(a)
11	1,2-Trans-dichloroethylene	96.00	6.971	(0.756)	335278	52.6	52.6
12	1,1-Dichloroethane	63.00	7.706	(0.836)	650203	55.2	55.2
13	1,2-cis-Dichloroethylene	96.00	8.778	(0.953)	329900	48.4	48.4
14	Methyl ethyl ketone	72.00	8.844	(0.793)	47083	46.9	46.9(aQ)
* 15	Bromochloromethane	128.00	9.216	(1.000)	274963	50.0	
16	Chloroform	83.00	9.373	(1.017)	769305	50.3	50.3
17	1,1,1-Trichloroethane	97.00	9.728	(0.872)	651465	49.4	49.4
18	Carbon tetrachloride	117.00	10.034	(0.899)	601304	50.2	50.2
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.290	(1.117)	462659	50.9	50.9
20	Benzene	78.00	10.406	(0.933)	765744	49.6	49.6
21	1,2-Dichloroethane	62.00	10.439	(1.133)	595020	50.5	50.5
* 22	1,4-Difluorobenzene	114.00	11.158	(1.000)	1044710	50.0	
23	Trichloroethylene	130.00	11.670	(1.046)	470455	53.0	53.0
24	1,2-Dichloropropane	63.00	12.108	(1.085)	374513	51.7	51.7
25	Dichlorobromomethane	83.00	12.661	(1.135)	722760	50.2	50.2
	2-Chloroethylvinyl ether	63.00	13.281	(1.190)	224762	55.6	55.6
	cis-1,3-Dichloropropylene	75.00	13.586	(1.218)	510875	55.9	55.9
28	Methyl-iso-butyl ketone	43.00	13.917	(0.802)	674609	55.2	55.2
$ 29	Toluene-D8 (SURR)	98.00	14.157	(0.815)	841370	53.1	53.1

Data File: /chem/aux/msc.i/c111794.b/c0152.d
Report Date: 18-Nov-1994 06:53

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.306	(0.824)	547656	52.9	52.9
	31 trans-1,3-Dichloropropylene	75.00	14.752	(1.322)	450740	54.5	54.5
	32 1,1,2-Trichloroethane	97.00	15.149	(1.358)	366897	53.8	53.8
	33 Tetrachloroethylene	164.00	15.513	(0.893)	443526	51.9	51.9
	34 2-Hexanone	43.00	15.720	(0.905)	502866	54.1	54.1
	35 Chlorodibromomethane	129.00	16.026	(1.436)	669356	53.5	53.5
*	36 Chlorobenzene-d5	117.00	17.363	(1.000)	721090	50.0	
	37 Chlorobenzene	112.00	17.429	(1.004)	784632	51.7	51.7
	38 Ethylbenzene	106.00	17.686	(1.019)	329395	50.5	50.5
	39 m+p-Xylenes	106.00	17.943	(1.033)	790682	101	101
	40 o-Xylene	106.00	18.810	(1.083)	395955	50.4	50.4
	41 Styrene	104.00	18.827	(1.084)	604989	49.9	49.9
	42 Bromoform	173.00	19.215	(1.722)	618505	51.5	51.5
$	43 Bromofluorobenzene (SURR)	95.00	19.918	(1.147)	653008	49.8	49.8
	44 1,1,2,2-Tetrachloroethane	83.00	20.200	(1.163)	704535	51.8	51.8
	45 1,3-Dichlorobenzene	146.00	22.116	(1.274)	836119	53.5	53.5
	46 1,4-Dichlorobenzene	146.00	22.290	(1.284)	968886	51.3	51.3
	47 1,2-Dichlorobenzene	146.00	23.002	(1.325)	862117	55.7	55.7

Q Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Southern Region (Morrisville, NC)

VOLUME II OF III

Attn: Kent Geis

Project: 15226N - NEESA; Camp LeJeune, Jacksonville, NC

Sample(s): CLJDWS102, CLJDWS151 and CLJDWS075

Sample Type(s): Liquid, Organic and Solid

Analysis Performed: Tier II - Conventionals, Metals and Organics

Date Sample Received: November 10, 1994

Date Order Received: November 10, 1994

Joblink(s): 617061

Reviewed and Approved by: *Thomas E. Gran, Ph.D., Vice President* *Date:* May 12, 1995

16406 U.S. Route 224 East ■ P.O. Box 551 ■ Findlay, OH 45839-0551 ■ 419-423-3526

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00233

EPA SAMPLE NO.

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743C

Sample wt/vol: 2.25 (g/mL) G Lab File ID: E2931

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300000	U
111-44-4	bis(2-Chloroethyl)ether	1300000	U
95-57-8	2-Chlorophenol	1300000	U
541-73-1	1,3-Dichlorobenzene	1300000	U
106-46-7	1,4-Dichlorobenzene	1300000	U
95-50-1	1,2-Dichlorobenzene	1300000	U
95-48-7	2-Methylphenol	1300000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300000	U
106-44-5	4-Methylphenol	1300000	U
621-64-7	N-Nitroso-di-n-propylamine	1300000	U
67-72-1	Hexachloroethane	1300000	U
98-95-3	Nitrobenzene	1300000	U
78-59-1	Isophorone	1300000	U
88-75-5	2-Nitrophenol	1300000	U
105-67-9	2,4-Dimethylphenol	1300000	U
111-91-1	bis(2-Chloroethoxy)methane	1300000	U
120-83-2	2,4-Dichlorophenol	1300000	U
120-82-1	1,2,4-Trichlorobenzene	1300000	U
91-20-3	Naphthalene	1300000	U
106-47-8	4-Chloroaniline	1300000	U
87-68-3	Hexachlorobutadiene	1300000	U
59-50-7	4-Chloro-3-methylphenol	1300000	U
91-57-6	2-Methylnaphthalene	1300000	U
77-47-4	Hexachlorocyclopentadiene	1300000	U
88-06-2	2,4,6-Trichlorophenol	1300000	U
95-95-4	2,4,5-Trichlorophenol	1300000	U
91-58-7	2-Chloronaphthalene	1300000	U
88-74-4	2-Nitroaniline	1300000	U
131-11-3	Dimethylphthalate	1300000	U
208-96-8	Acenaphthylene	1300000	U
606-20-2	2,6-Dinitrotoluene	1300000	U
99-09-2	3-Nitroaniline	1300000	U
83-32-9	Acenaphthene	1300000	U

00234
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15220W SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743C

Sample wt/vol: 2.25 (g/mL) G Lab File ID: E2931

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6700000	U
100-02-7	4-Nitrophenol	6700000	U
132-64-9	Dibenzofuran	1300000	U
121-14-2	2,4-Dinitrotoluene	1300000	U
84-66-2	Diethylphthalate	1300000	U
7005-72-3	4-Chlorophenyl-phenylether	1300000	U
86-73-7	Fluorene	1300000	U
100-01-6	4-Nitroaniline	1300000	U
534-52-1	4,6-Dinitro-2-methylphenol	3300000	U
101-55-3	4-Bromophenyl-phenylether	1300000	U
86-30-6	N-Nitrosodiphenylamine (1)	1300000	U
118-74-1	Hexachlorobenzene	1300000	U
87-86-5	Pentachlorophenol	1300000	U
85-01-8	Phenanthrene	1300000	U
120-12-7	Anthracene	1300000	U
86-74-8	Carbazole	1300000	U
84-74-2	Di-n-butylphthalate	1300000	U
206-44-0	Fluoranthene	1300000	U
129-00-0	Pyrene	1300000	U
85-68-2	Butylbenzylphthalate	1300000	U
91-94-1	3,3'-Dichlorobenzidine	1300000	U
56-55-3	Benzo(a)anthracene	1300000	U
218-01-9	Chrysene	1300000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300000	U
117-84-0	Di-n-octylphthalate	1300000	U
205-99-2	Benzo(b)fluoranthene	1300000	U
207-08-9	Benzo(k)fluoranthene	1300000	U
50-32-8	Benzo(a)pyrene	1300000	U
193-39-5	Indeno(1,2,3-cd)pyrene	1300000	U
53-70-3	Dibenz(a,h)anthracene	1300000	U
191-24-2	Benzo(g,h,i)perylene	1300000	U

(1) - Cannot be separated from Diphenylamine

00235

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743C

Sample wt/vol: 2.25 (g/mL) G Lab File ID: E2931

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6000 (uL) Date Analyzed: 11/21/94

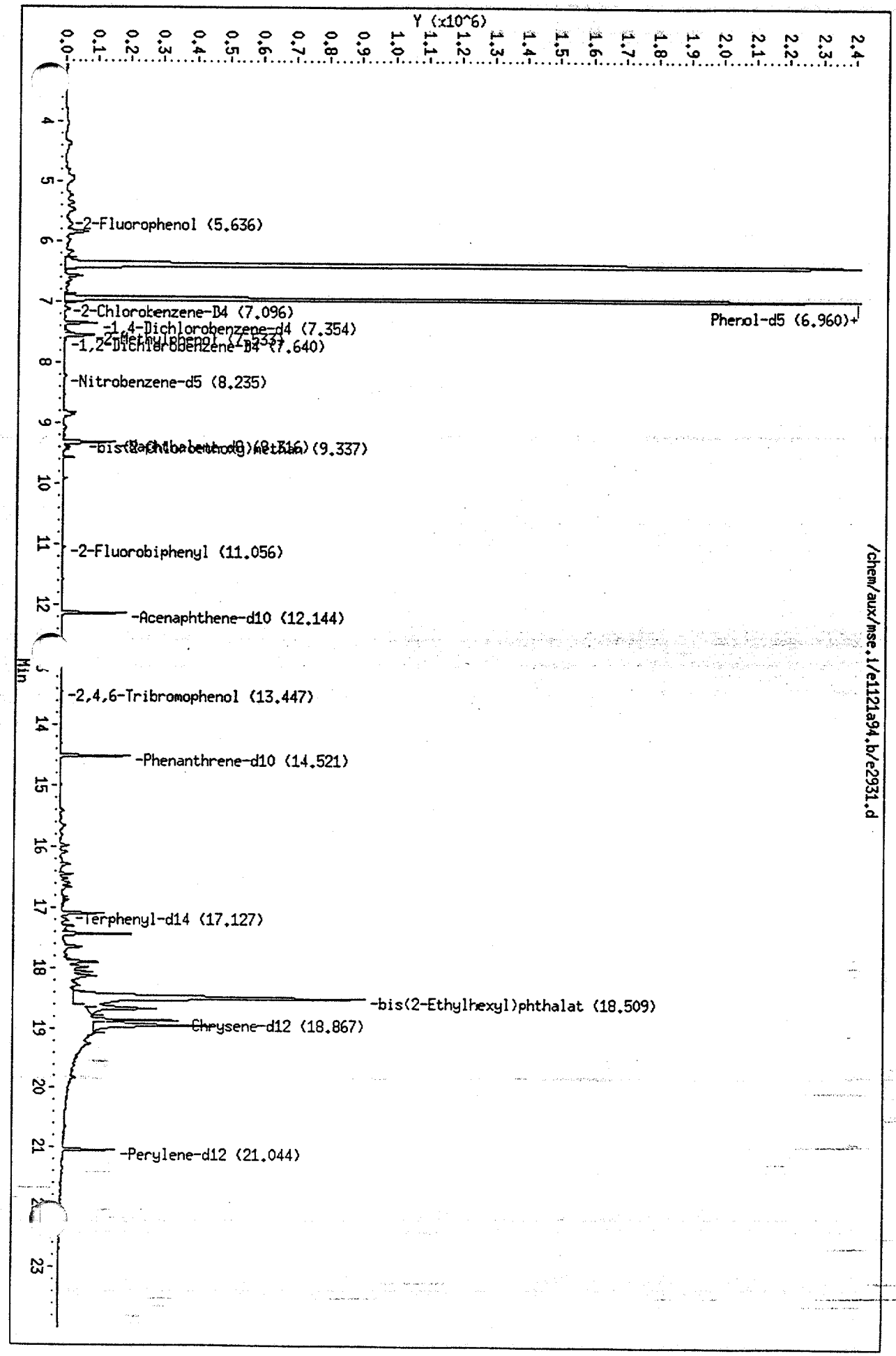
Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unk hydrocarbon	5.84	3400000	J
2.	80-56-8	.alpha.-Pinene	6.40	140000000	JN
3.	79-92-5	Camphene	6.57	2000000	JN
4.	127-91-3	.beta.-Pinene	6.96	99000000	JN
5.	555-10-2	.beta.-Phellandrene	7.55	4000000	JN
6.		Unk hydrocarbon	17.10	1500000	J
7.		Unk hydrocarbon	17.44	2400000	J
8.		Unk hydrocarbon	17.66	810000	J
9.		Unk hydrocarbon	17.92	1300000	J
10.		Unk hydrocarbon	17.99	960000	J
11.		Unk hydrocarbon	18.07	1100000	J
12.		Unk hydrocarbon	18.14	1500000	J
13.		Unk hydrocarbon	18.30	610000	J
14.		Unk hydrocarbon	18.67	3600000	J
15.		Unk hydrocarbon	18.96	6800000	J

Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Volume Injected (uL) : 2.0



Column diameter : 0.25

Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Report Date: 22-Nov-1994 07:12

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2931.d
Lab. Id. : Quant Type: ISTD
Inj Date : 21-NOV-94 20:20 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : 15226n cljdws075
Misc Info : jn4743c,n4c41685,m1,2,50
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58 Cal File: e2921.d
Als bottle: 18
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$	-Fluorophenol	112.00	5.636	(0.766)	2677	4.62	2.31 (aR)
$	4 Phenol-d5	99.00	6.967	(0.947)	4337	6.94	3.47 (aR)
	5 Phenol	94.00	6.960	(0.946)	156783	227	~~114 (AQ)~~
	6 bis(2-Chloroethyl)ether	93.00	6.960	(0.946)	1165747	1940	~~968 (AQ)~~
$	89 2-Chlorobenzene-D4	132.00	7.096	(0.965)	2618	4.10	2.05 (aAQR)
*	9 1,4-Dichlorobenzene-d4	152.00	7.354	(1.000)	23354	40.0	
$	88 1,2-Dichlorobenzene-D4	152.00	7.640	(1.039)	1208	2.76	1.38 (aAQR)
	11 2-Methylphenol	108.00	7.533	(1.024)	1383	2.59	~~1.29 (TaQ)~~
$	17 Nitrobenzene-d5	82.00	8.235	(0.884)	2237	3.04	1.52 (aR)
	22 bis(2-Chloroethoxy)methane	93.00	9.337	(1.002)	7204	9.72	~~4.86 (TaQ)~~
*	25 Naphthalene-d8	136.00	9.316	(1.000)	88717	40.0	
$	35 2-Fluorobiphenyl	172.00	11.056	(0.910)	3787	2.46	1.23 (aR)
*	42 Acenaphthene-d10	164.00	12.144	(1.000)	60463	40.0	
$	54 2,4,6-Tribromophenol	330.00	13.447	(1.107)	573	2.35	1.18 (aQR)
*	58 Phenanthrene-d10	188.00	14.521	(1.000)	100670	40.0	
$	66 Terphenyl-d14	244.00	17.127	(0.908)	4130	2.07	1.04 (aQR)
*	70 Chrysene-d12	240.00	18.867	(1.000)	110725	40.0	
	68 bis(2-Ethylhexyl)phthalate	149.00	18.509	(0.981)	36014	13.1	~~6.56 (Ta)~~
*	77 Perylene-d12	264.00	21.044	(1.000)	83110	40.0	

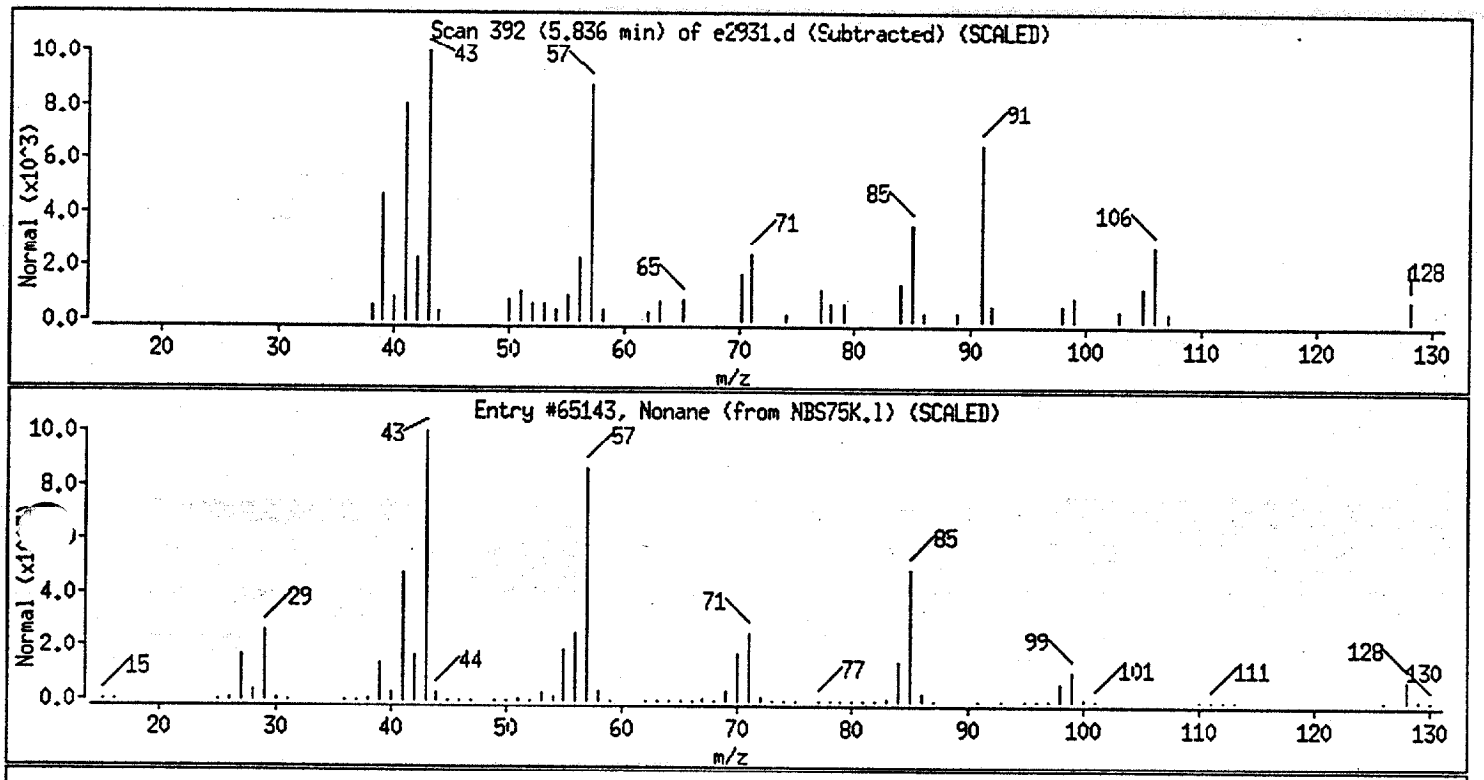
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Nonane	111-84-2	NBS75K.1	65143	87



Data File: /chem/aux/mse.i/e1121a94.b/e2931.d

Date : 21-NOV-94 20:20

Instrument : mse.i

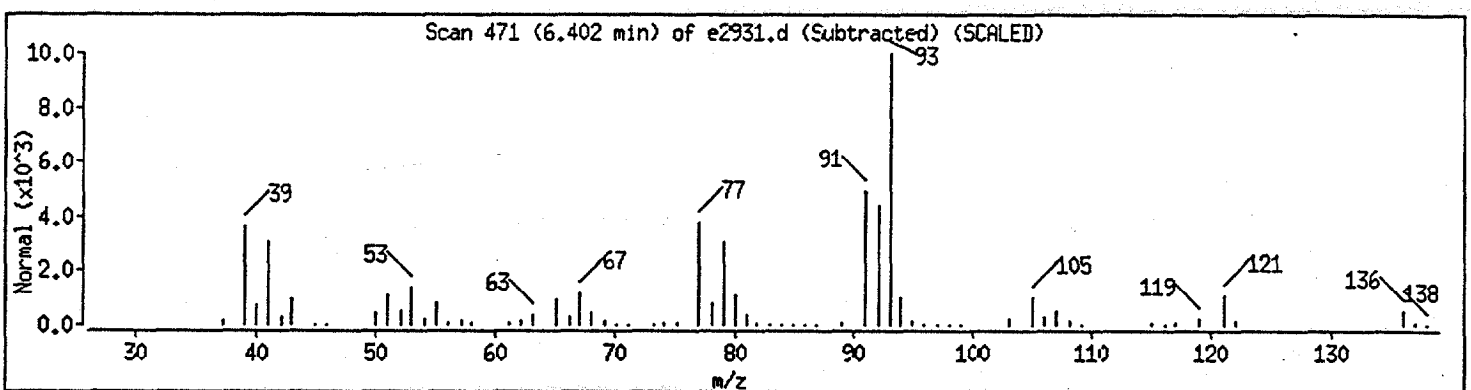
Sample ID : cljdws075

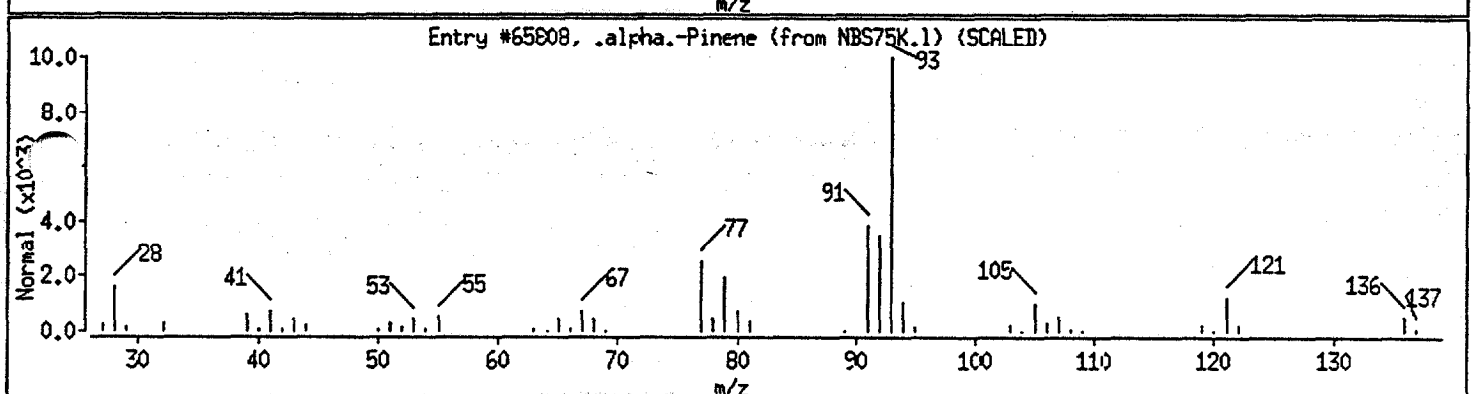
Column phase : J&W DB-5

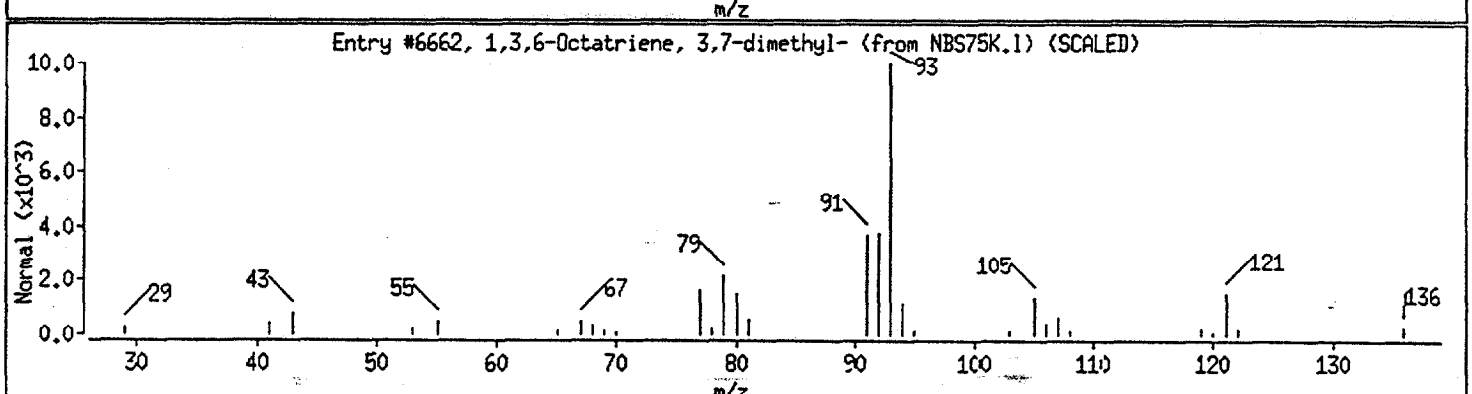
Column diameter : 0.25

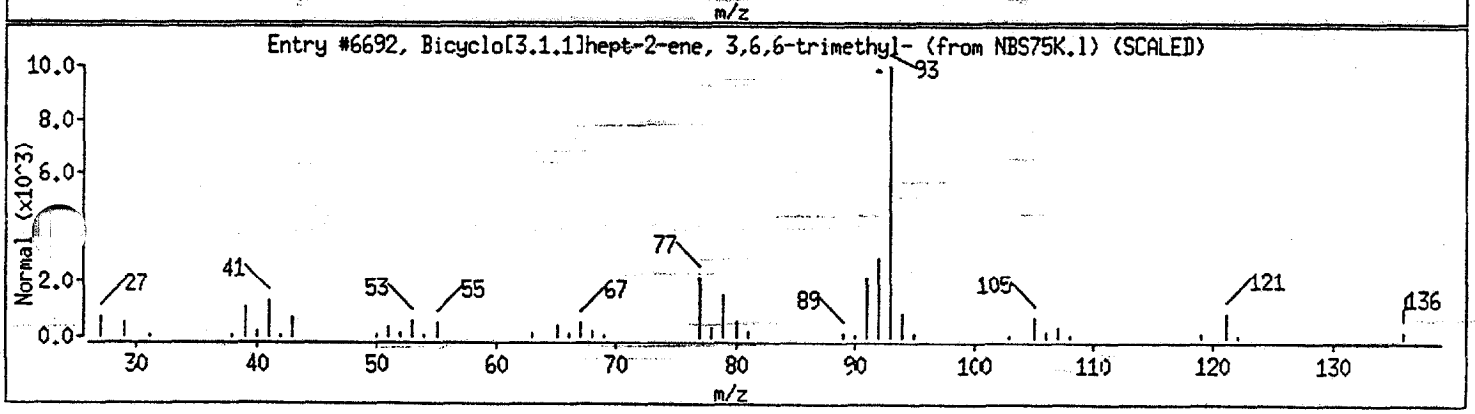
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
.alpha.-Pinene	80-56-8	NBS75K.l	65808	96
1,3,6-Octatriene, 3,7-dimethyl-	13877-91-3	NBS75K.l	6662	91
Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethy	4889-83-2	NBS75K.l	6692	90



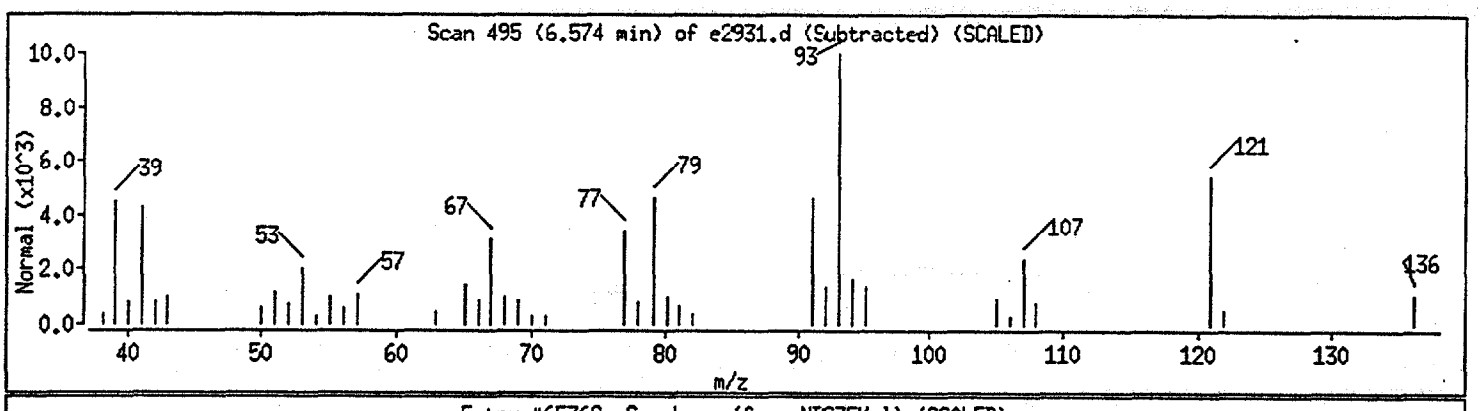


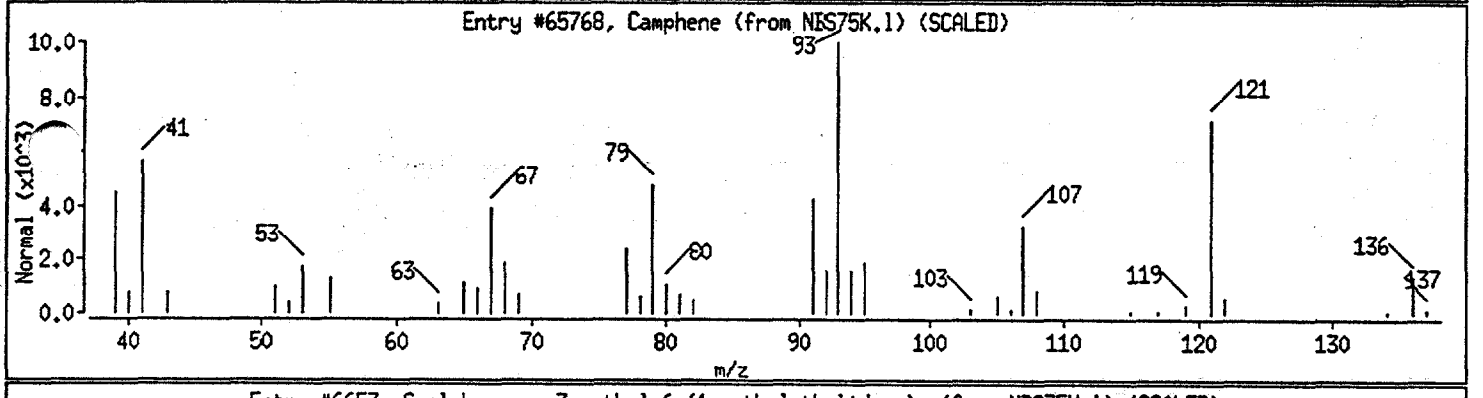


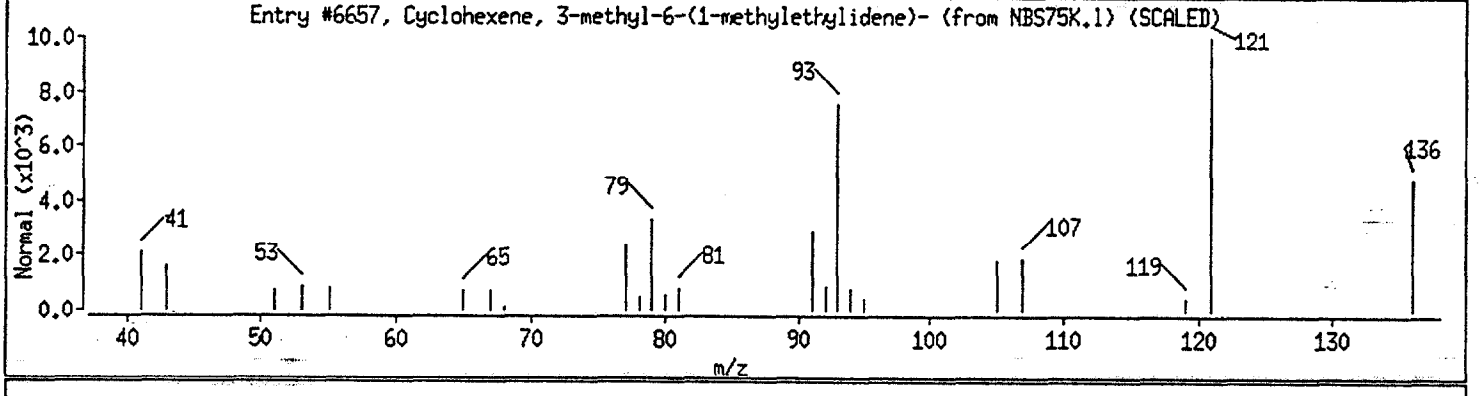


Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Camphene	79-92-5	NBS75K.l	65768	98
Cyclohexene, 3-methyl-6-(1-methylethylid	586-63-0	NBS75K.l	6657	94



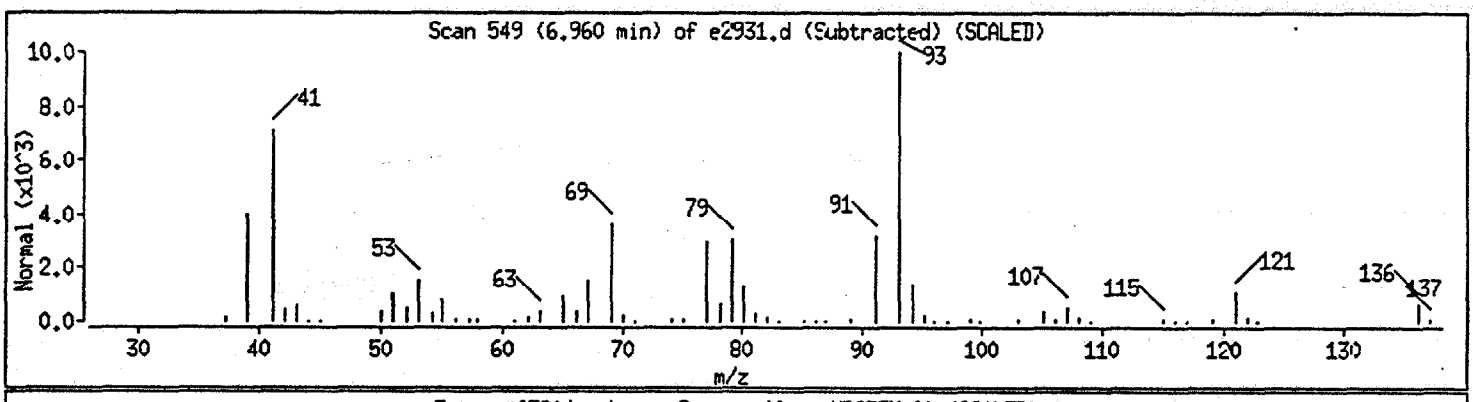


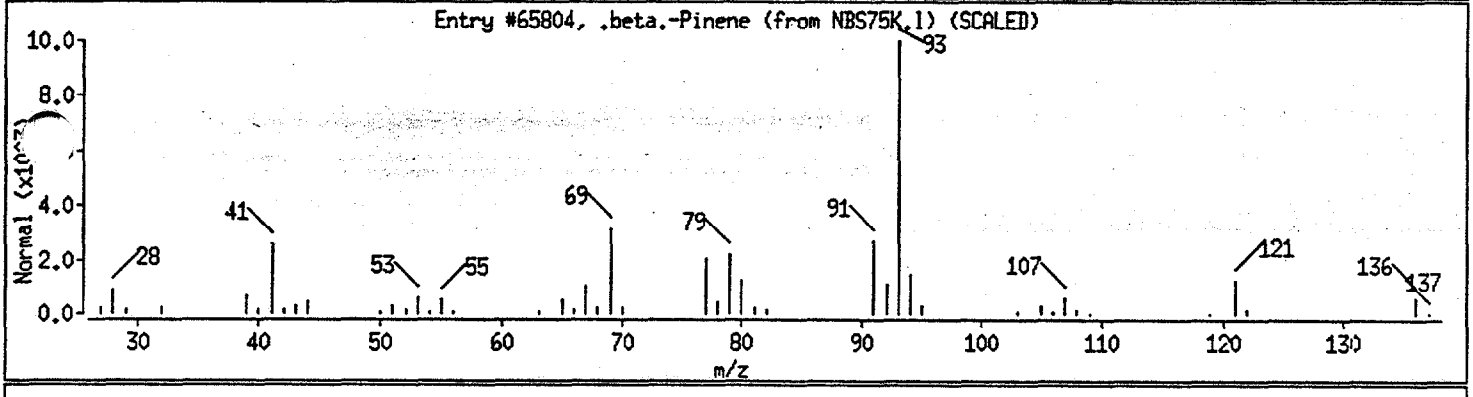


Data File: /chem/aux/mse.i/e1121a94.b/e2931.d

Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

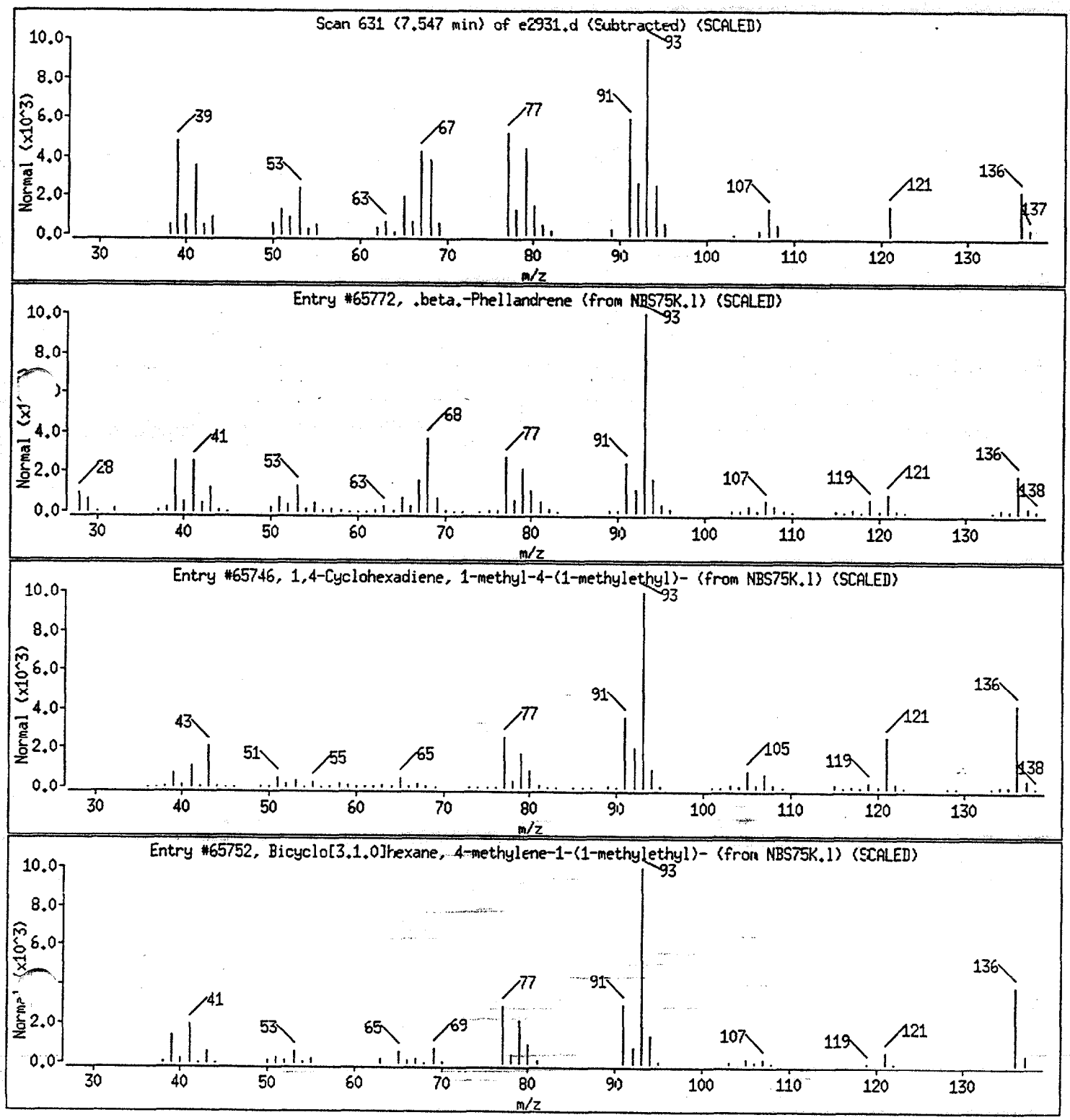
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
.beta.-Pinene	127-91-3	NBS75K.l	65804	95





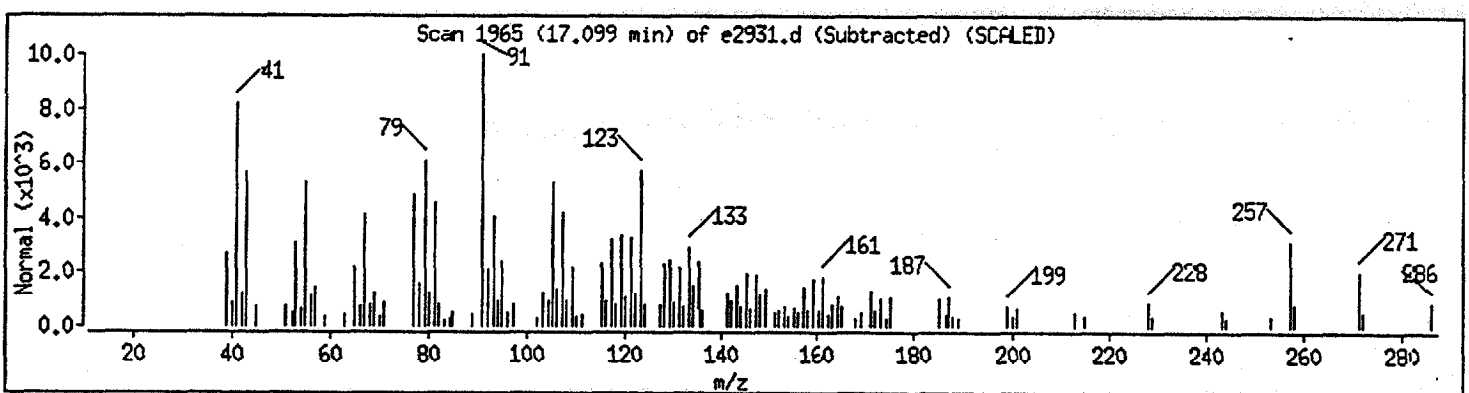
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

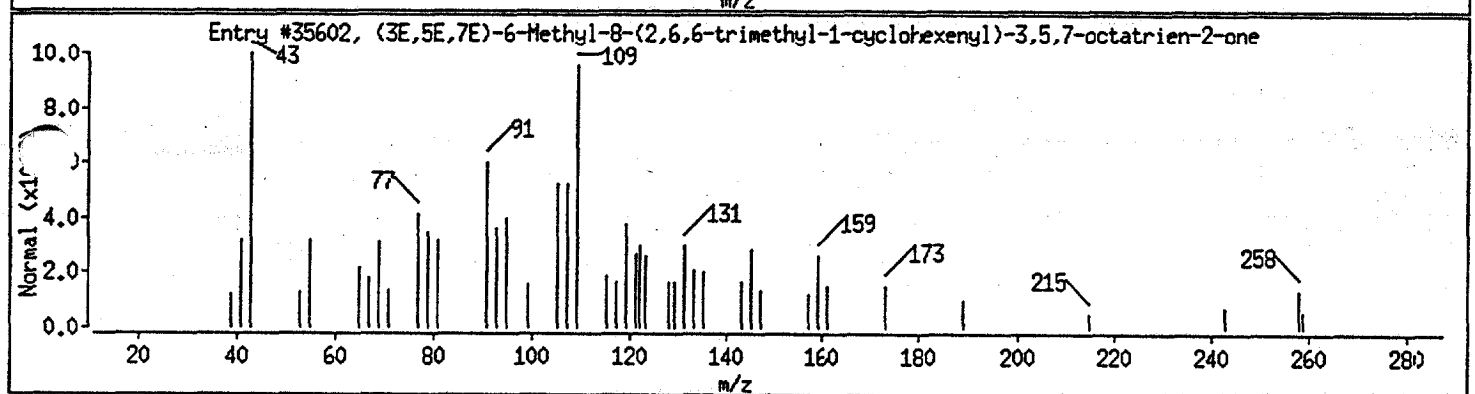
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
.beta.-Phellandrene	555-10-2	NBS75K.l	65772	58
1,4-Cyclohexadiene, 1-methyl-4-(1-methyl	99-85-4	NBS75K.l	65746	52
Bicyclo[3.1.0]hexane, 4-methylene-1-(1-m	3387-41-5	NBS75K.l	65752	49

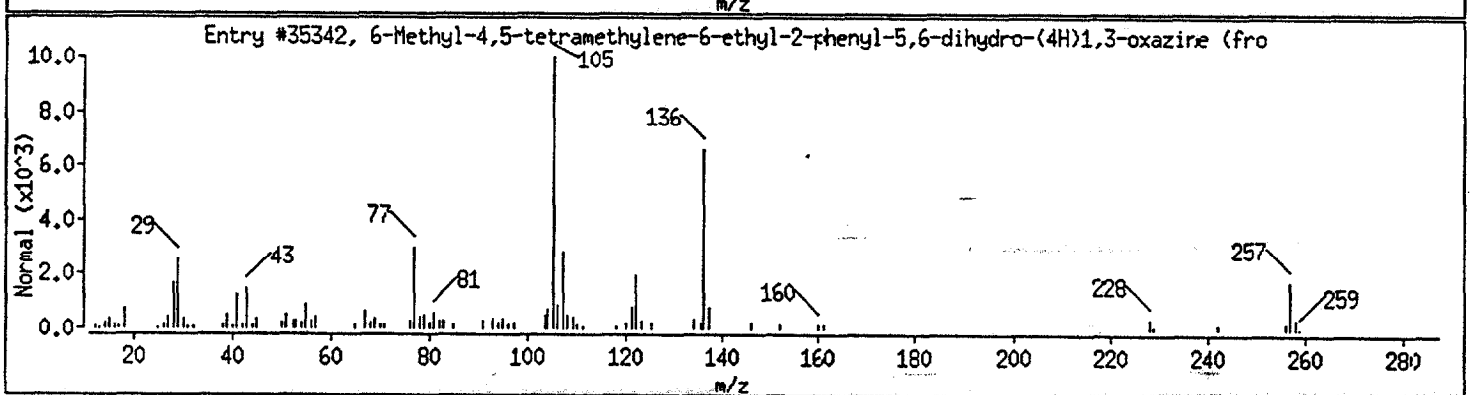


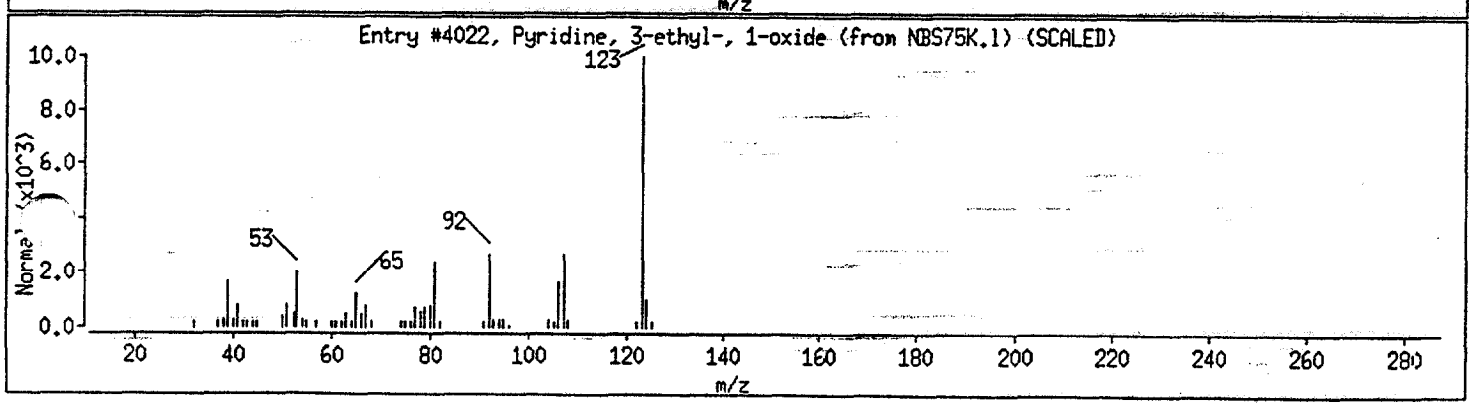
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
(3E,5E,7E)-6-Methyl-8-(2,6,6-trimethyl-1	17974-57-1	NBS75K.l	35602	25
6-Methyl-4,5-tetramethylene-6-ethyl-2-ph	0-00-0	NBS75K.l	35342	11
Pyridine, 3-ethyl-, 1-oxide	14906-62-8	NBS75K.l	4022	10



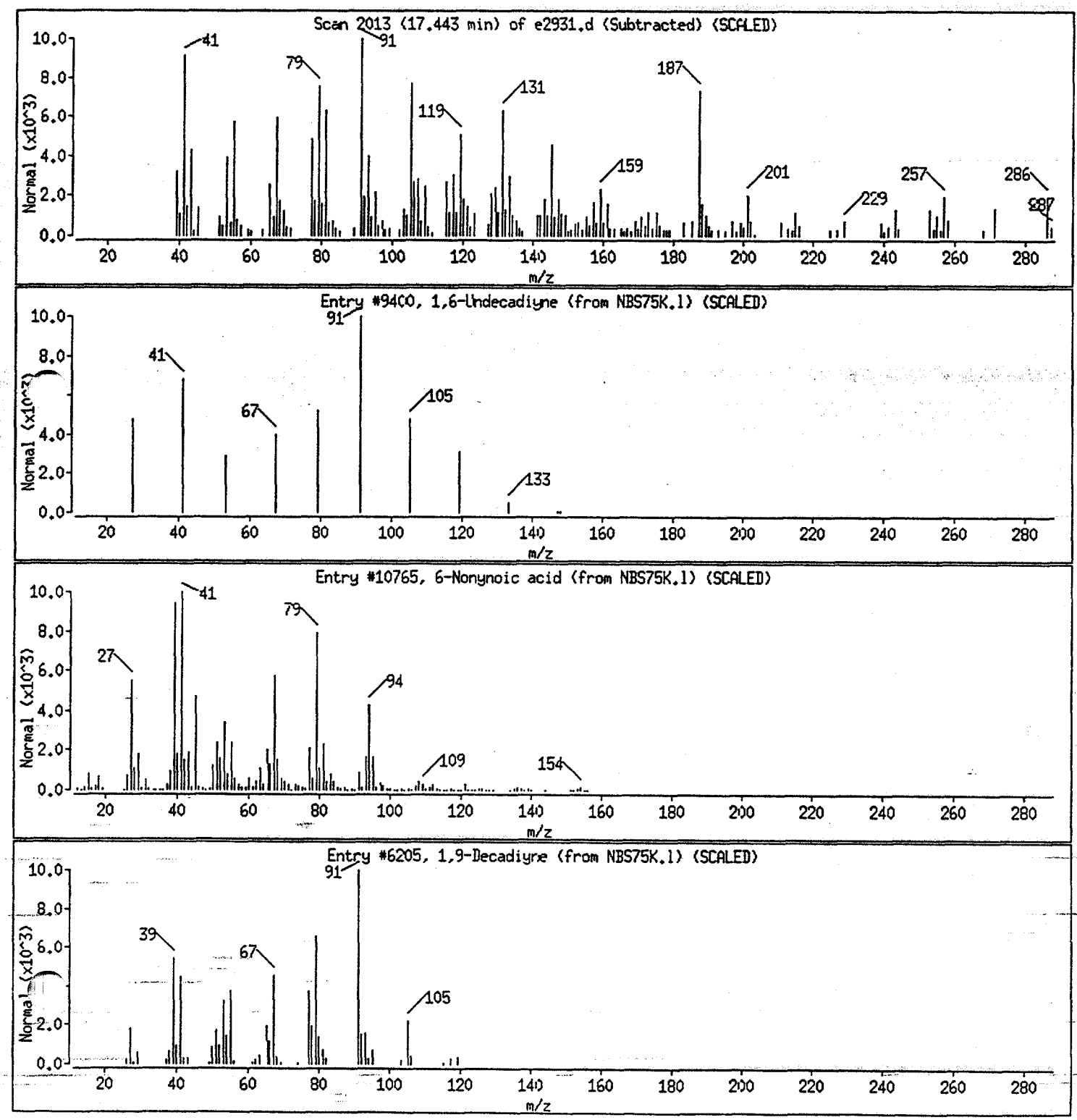






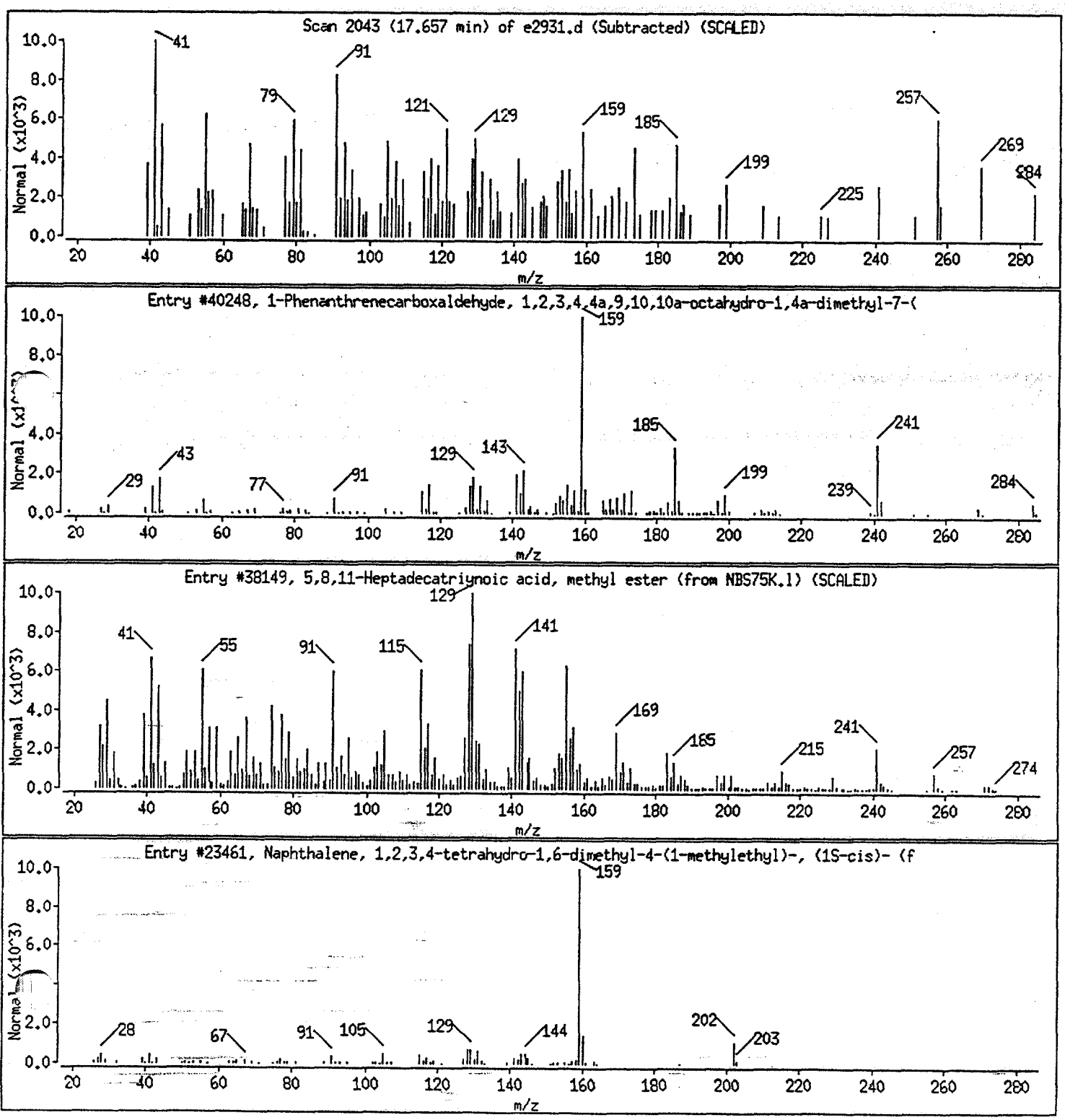
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1,6-Undecadiyne	64275-43-0	NBS75K.1	9400	43
6-Nonynoic acid	56630-31-0	NBS75K.1	10765	38
1,9-Decadiyne	1720-38-3	NBS75K.1	6205	25



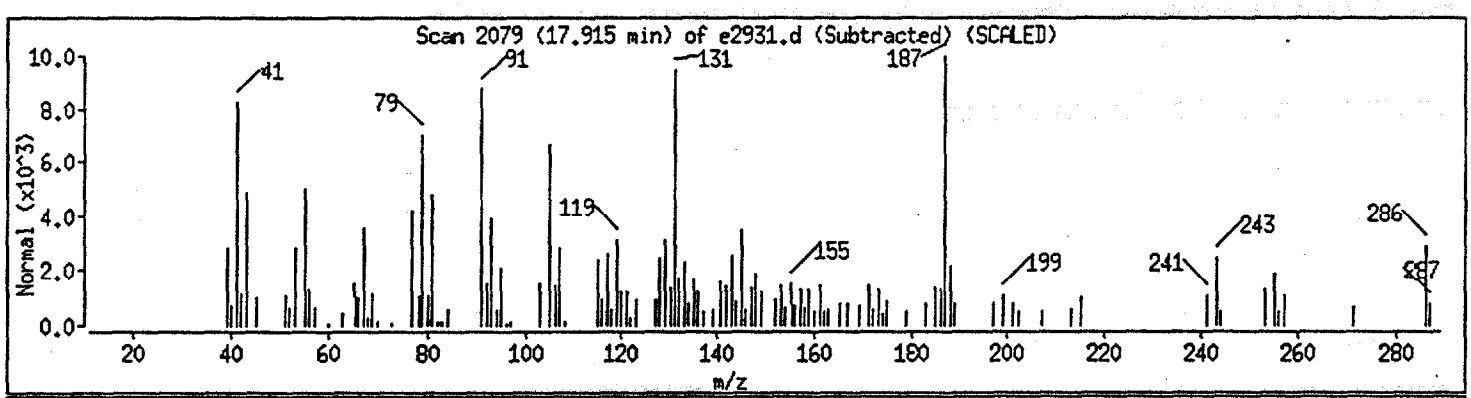
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

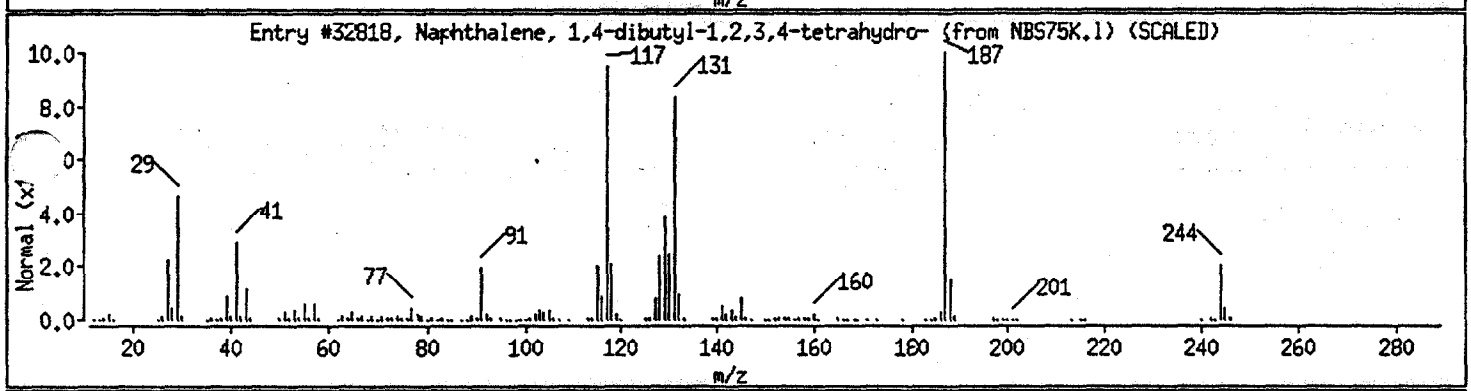
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1-Phenanthrenecarboxaldehyde, 1,2,3,4,4a	24035-50-5	NBS75K.l	40248	43
5,8,11-Heptadecatriynoic acid, methyl es	56554-57-5	NBS75K.l	38149	25
Naphthalene, 1,2,3,4-tetrahydro-1,6-dime	483-77-2	NBS75K.l	23461	22

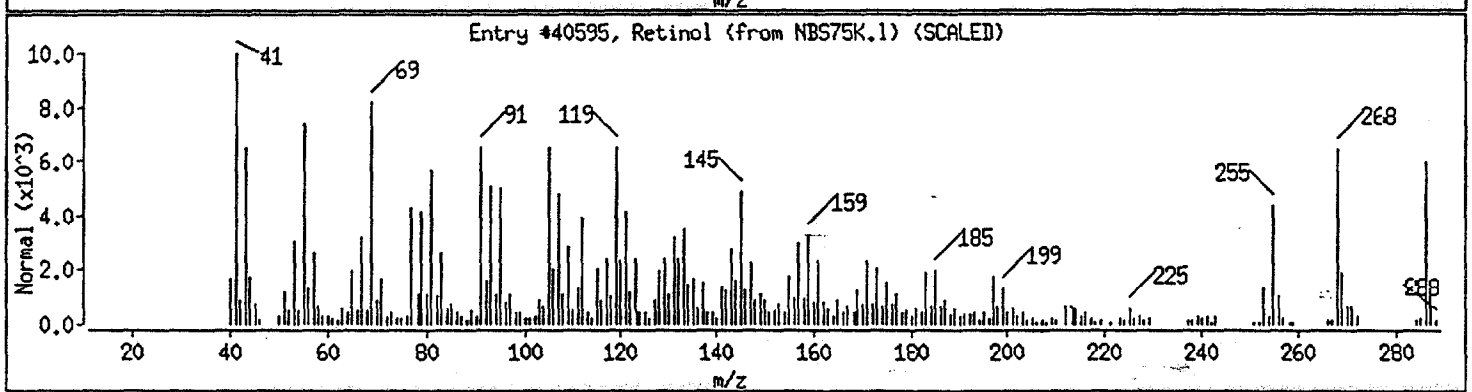


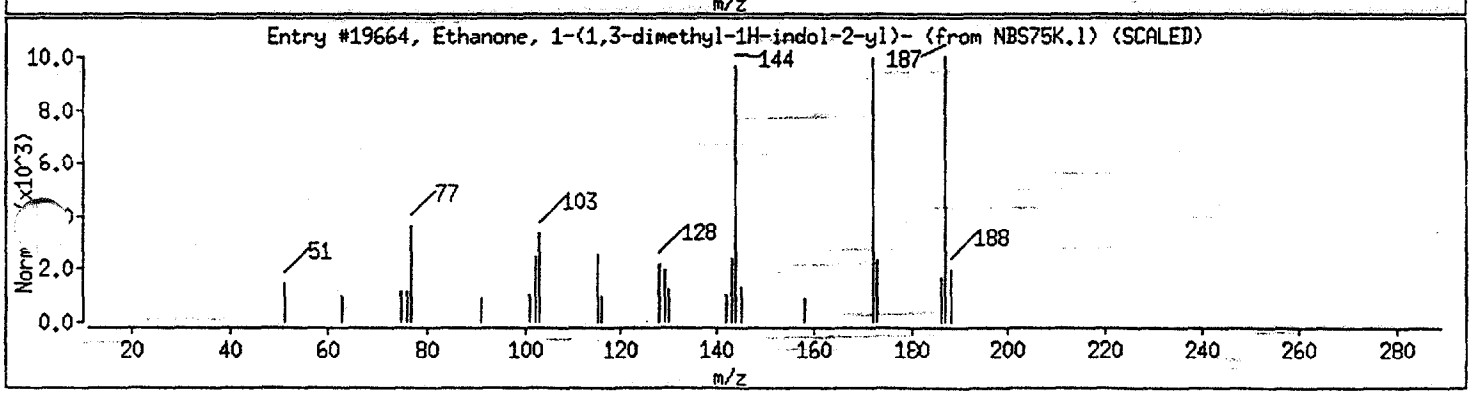
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Naphthalene, 1,4-dibutyl-1,2,3,4-tetrahy	29138-92-9	NBS75K.1	32818	50
Retinol	68-26-8	NBS75K.1	40595	46
Ethanone, 1-(1,3-dimethyl-1H-indol-2-yl)	16244-26-1	NBS75K.1	19664	41





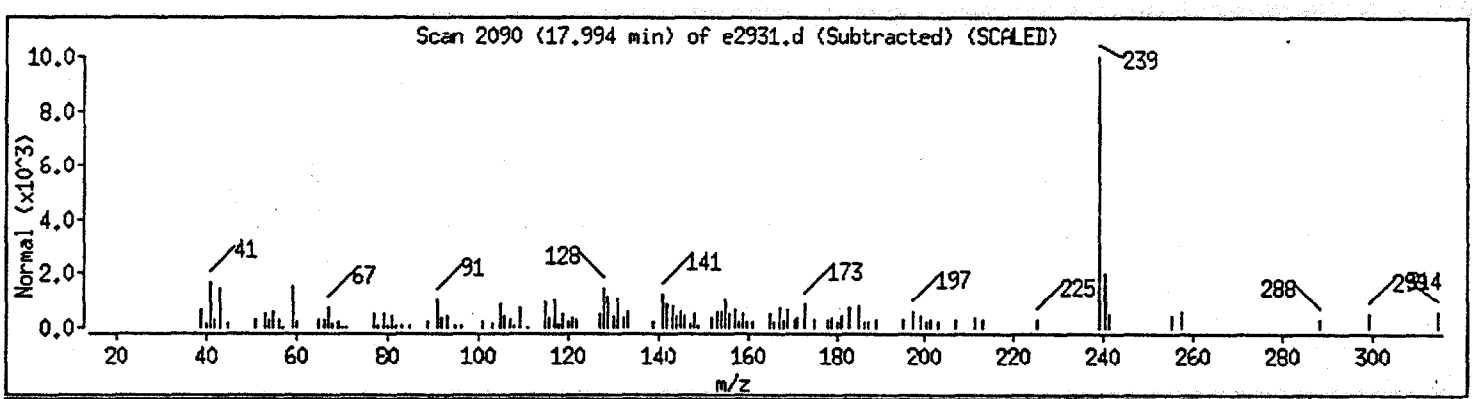


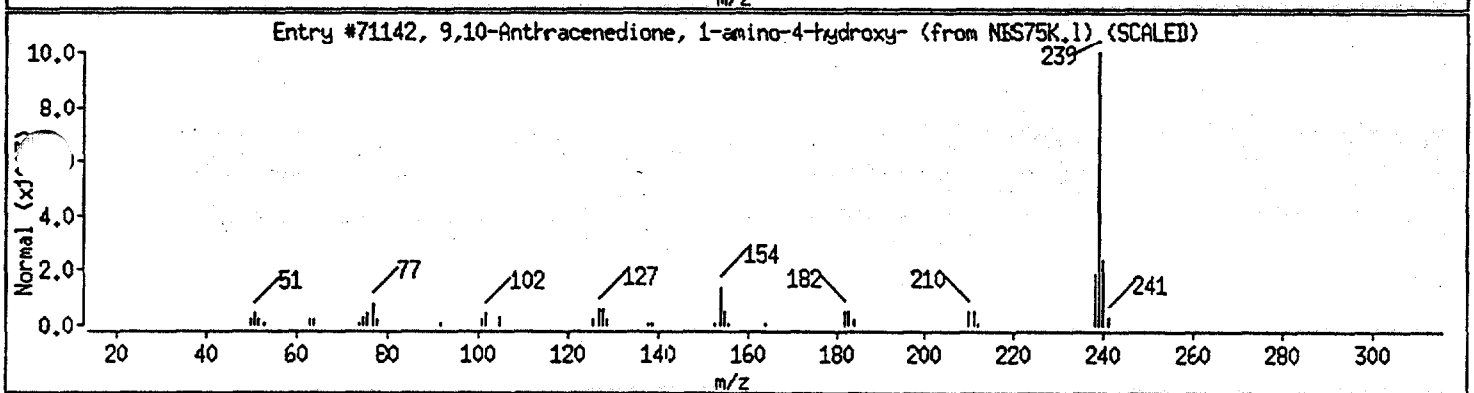


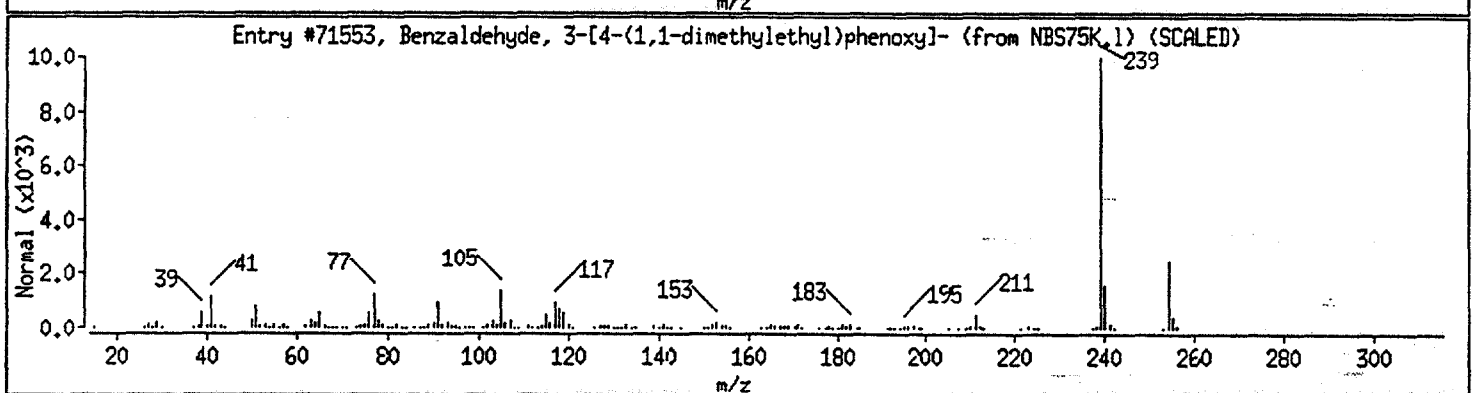
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d

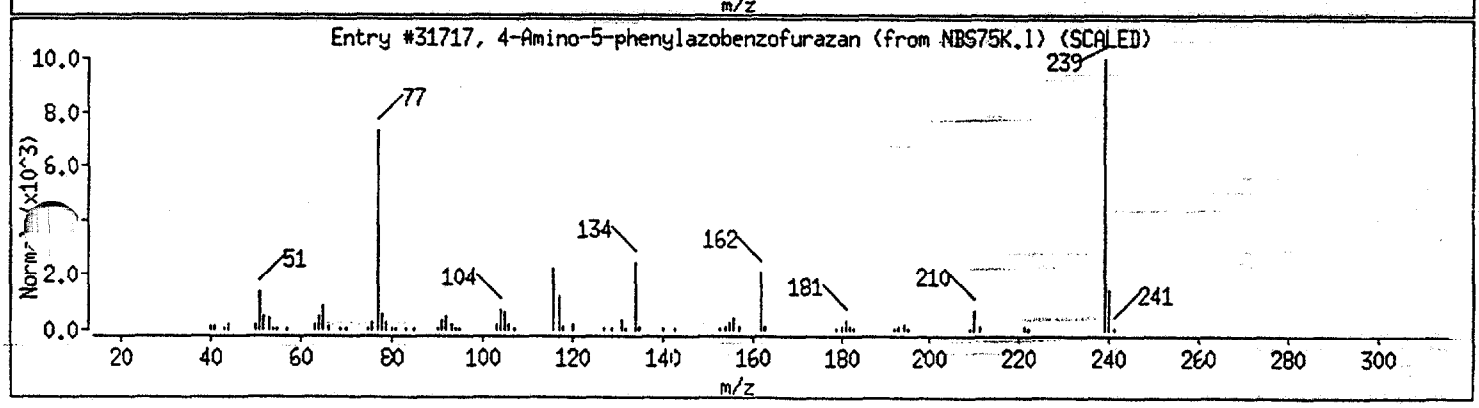
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdus075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
9,10-Anthracenedione, 1-amino-4-hydroxy-	116-85-8	NBS75K.1	71142	40
Benzaldehyde, 3-[4-(1,1-dimethylethyl)ph	69770-23-6	NBS75K.1	71553	38
4-Amino-5-phenylazobenzofurazan	0-00-0	NBS75K.1	31717	38





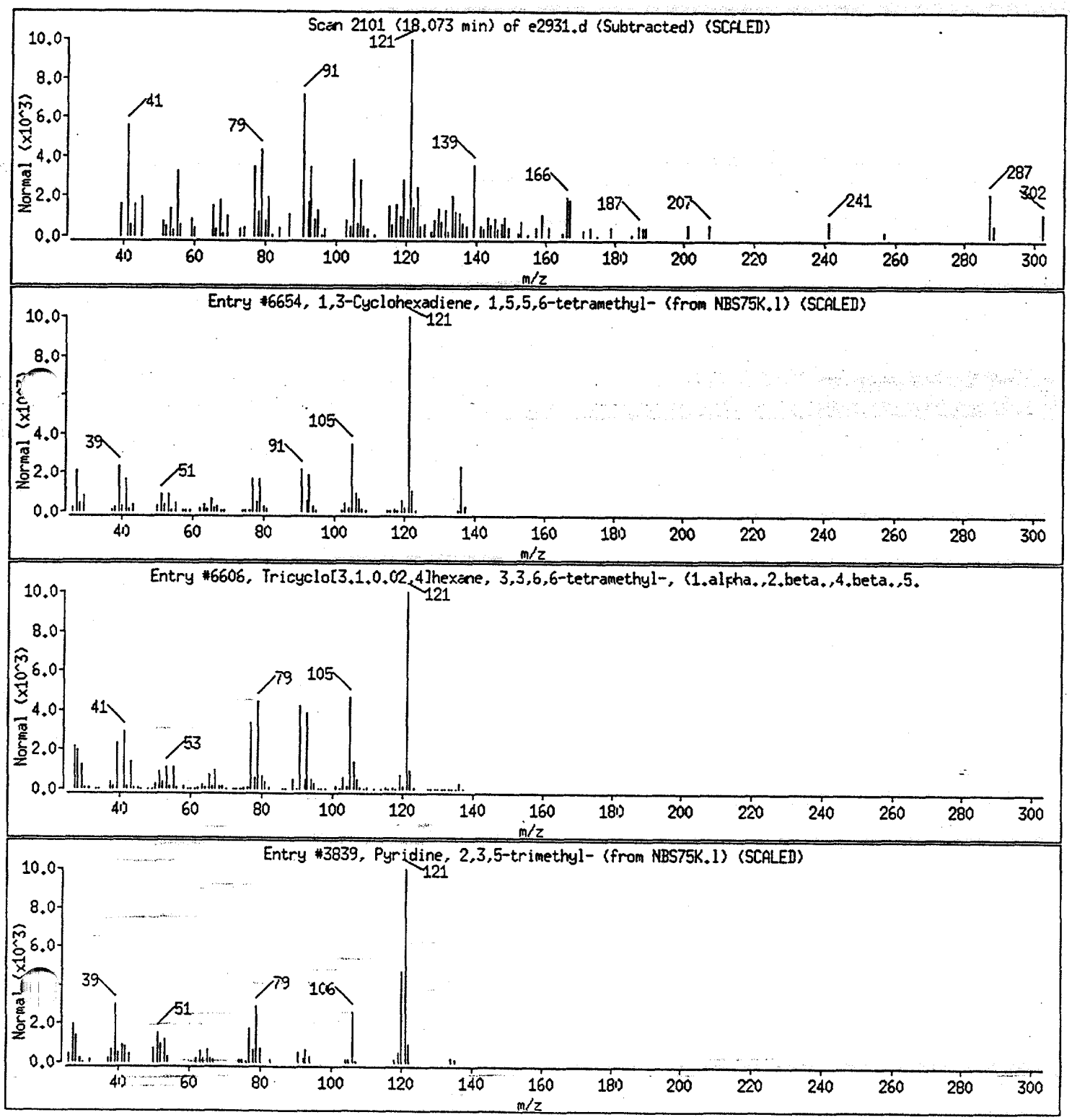




Data File: /chem/aux/mse.i/e1121a94.b/e2931.d

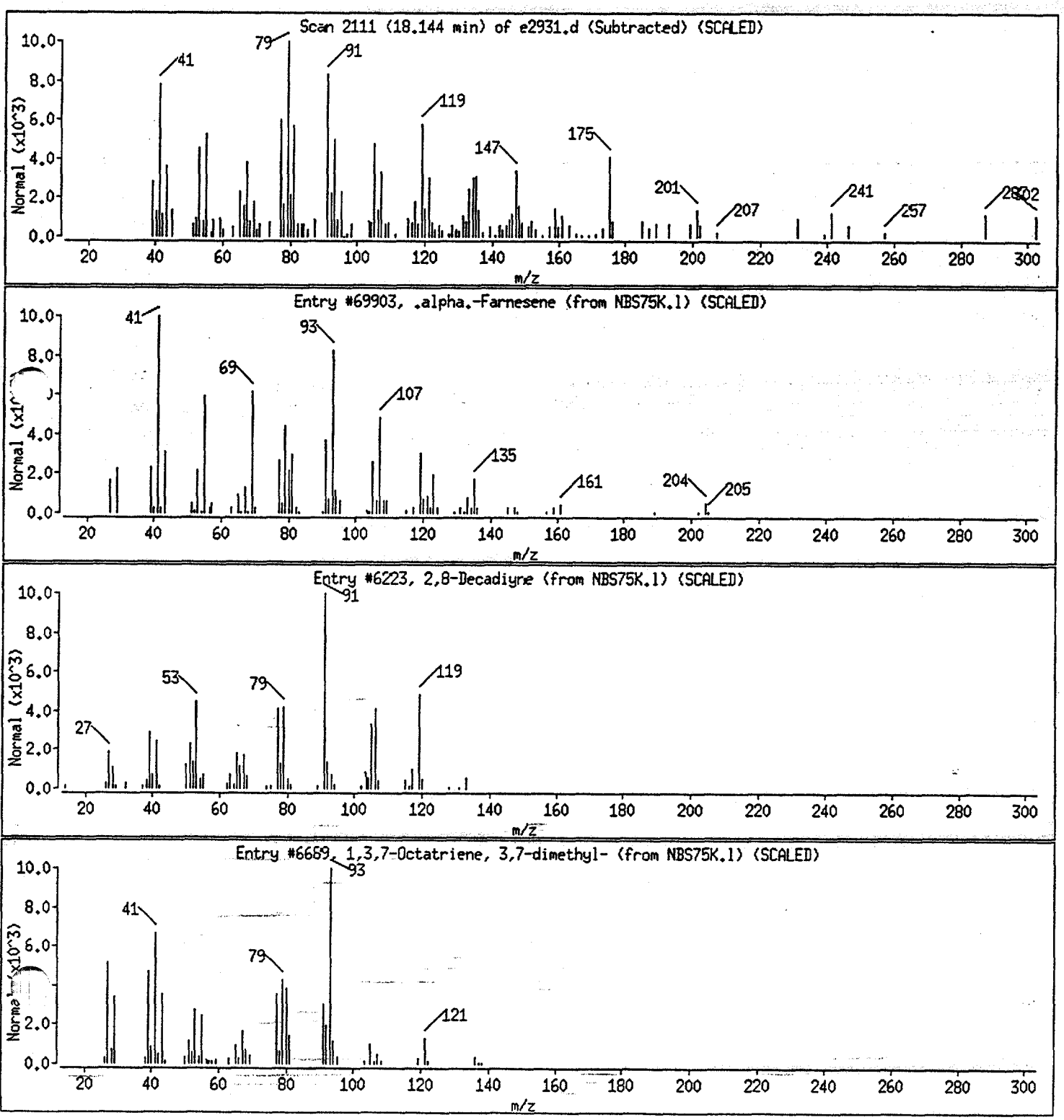
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1,3-Cyclohexadiene, 1,5,5,6-tetramethyl-	514-94-3	NBS75K.1	6654	38
Tricyclo[3.1.0.02,4]hexane, 3,3,6,6-tetr	58987-01-2	NBS75K.1	6606	38
Pyridine, 2,3,5-trimethyl-	695-98-7	NBS75K.1	3839	35



Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

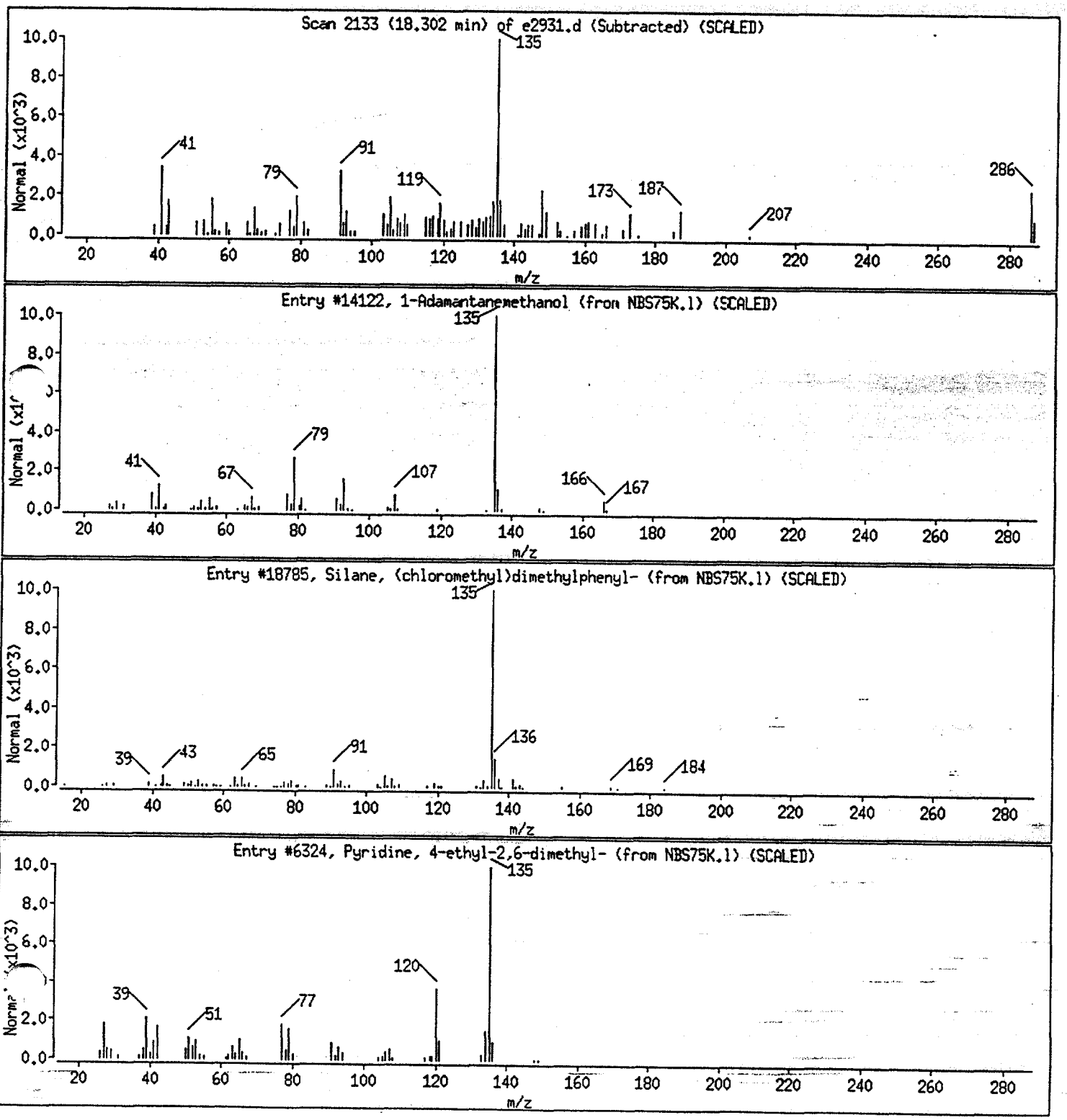
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
.alpha.-Farnesene	502-61-4	NBS75K.l	69903	53
2,8-Decadiyne	4116-93-2	NBS75K.l	6223	43
1,3,7-Octatriene, 3,7-dimethyl-	502-99-8	NBS75K.l	6689	43



Data File: /chem/aux/mse.i/e1121a94.b/e2931.d

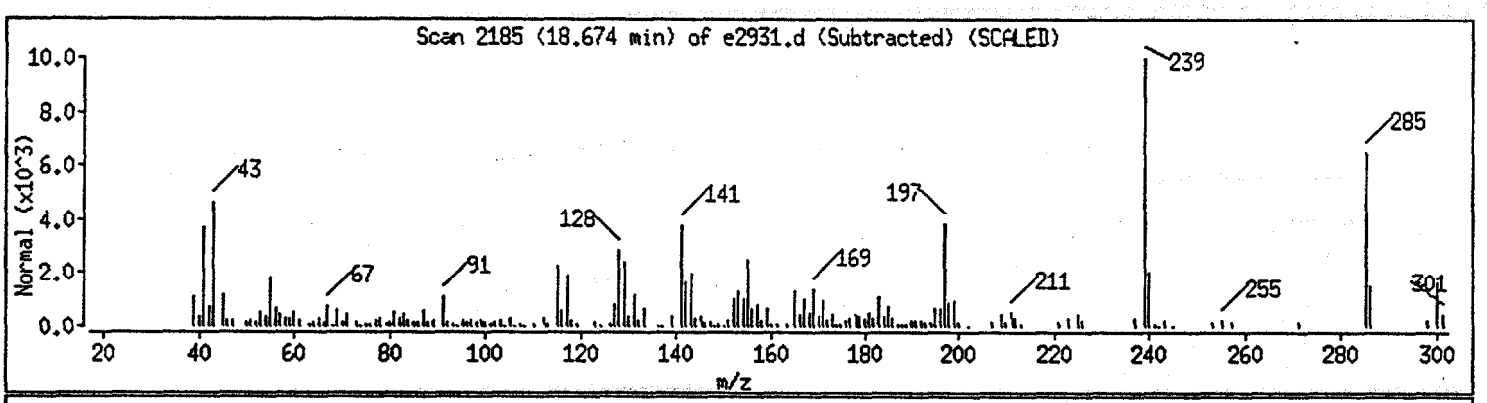
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

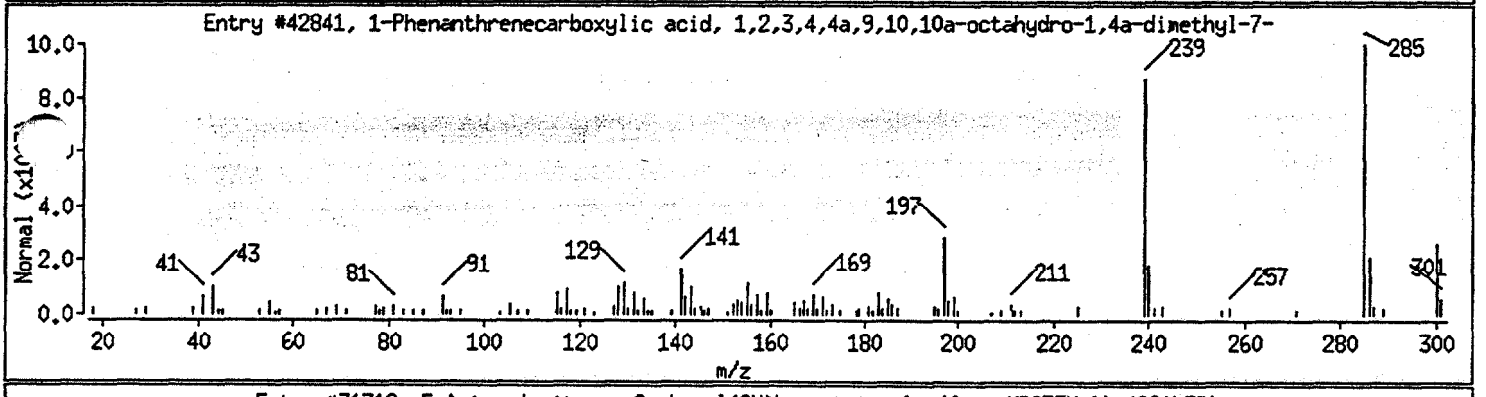
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1-Adamantanemethanol	770-71-8	NBS75K.1	14122	38
Silane, (chloromethyl)dimethylphenyl-	1833-51-8	NBS75K.1	18785	38
Pyridine, 4-ethyl-2,6-dimethyl-	36917-36-9	NBS75K.1	6324	38

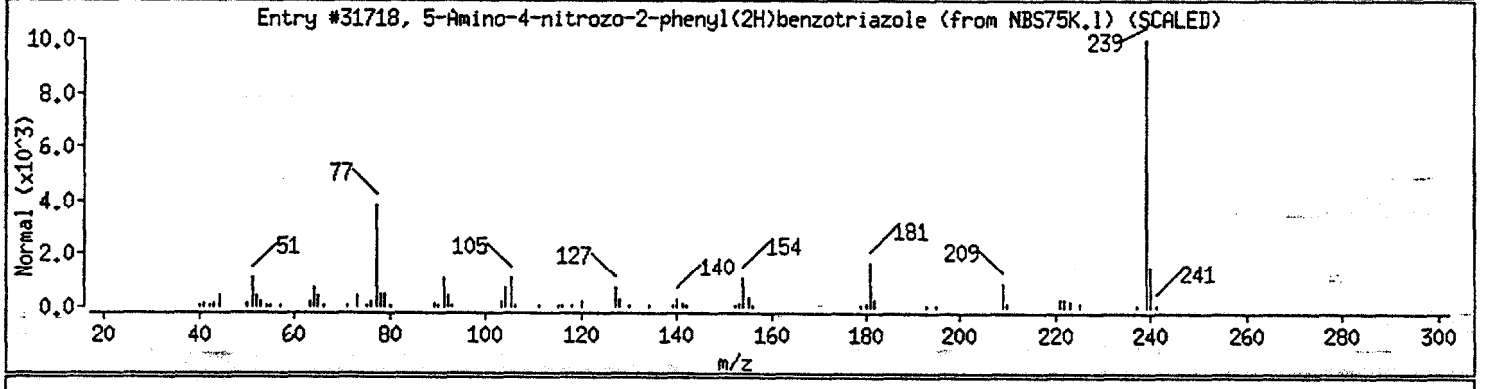


Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1740-19-8	NBS75K.1	42841	96
5-Amino-4-nitrozo-2-phenyl(2H)benzotriaz	0-00-0	NBS75K.1	31718	25

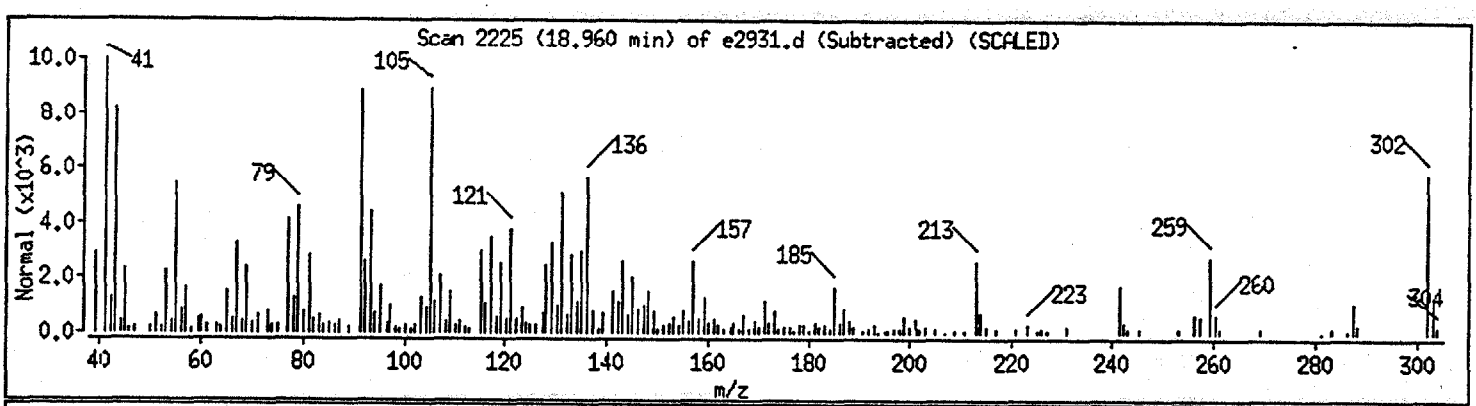


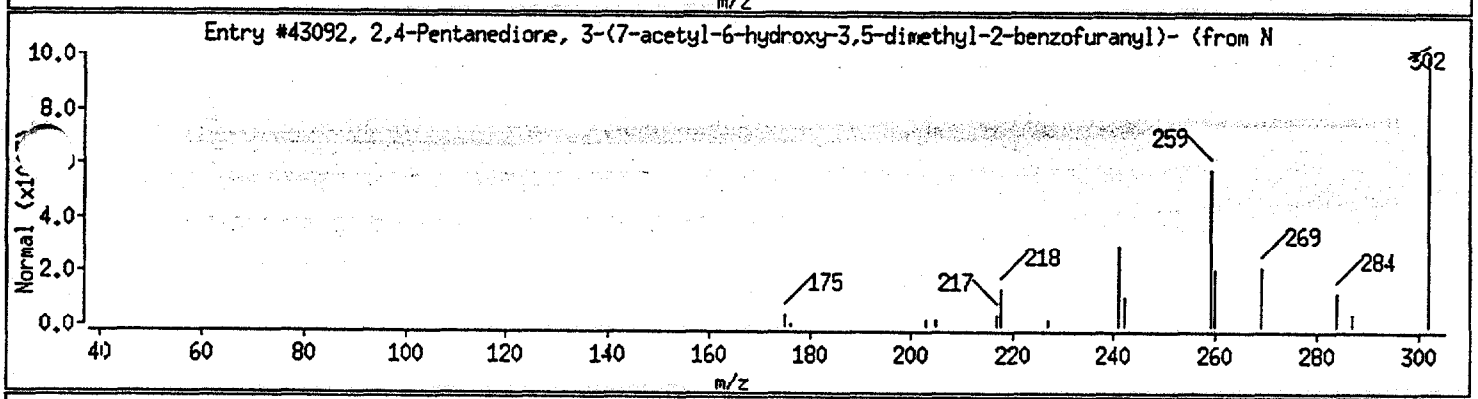


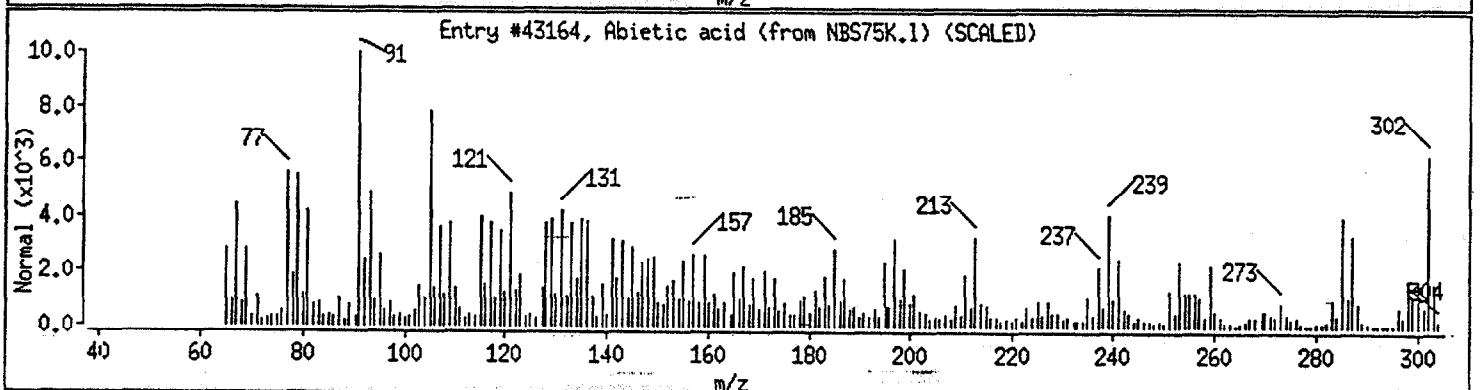


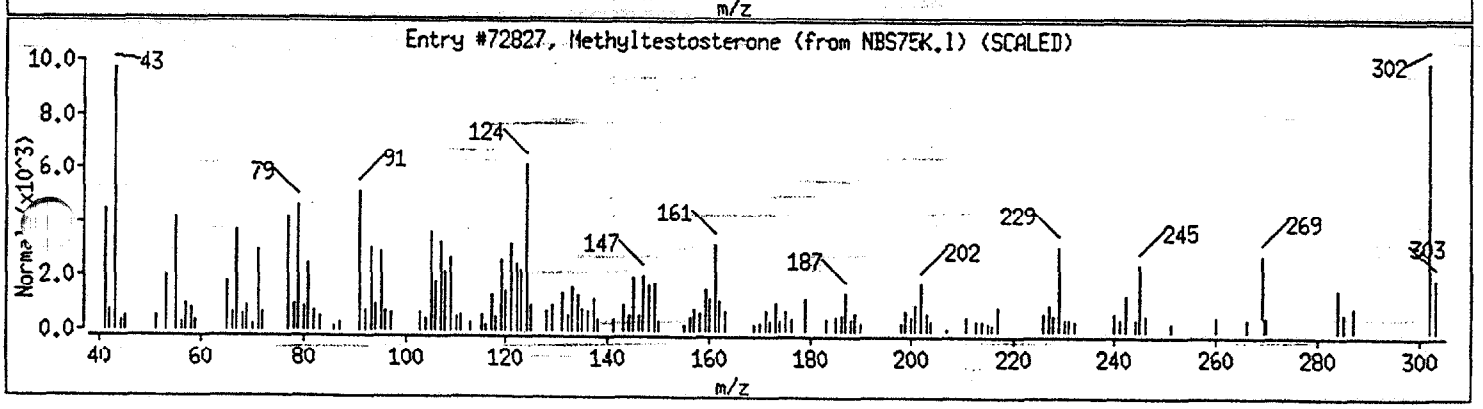
Data File: /chem/aux/mse.i/e1121a94.b/e2931.d
Date : 21-NOV-94 20:20
Instrument : mse.i
Sample ID : cljdws075
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
2,4-Pentanedione, 3-(7-acetyl-6-hydroxy-	37645-86-6	NBS75K.l	43092	47
Abietic acid	514-10-3	NBS75K.l	43164	43
Methyltestosterone	58-18-4	NBS75K.l	72827	25









1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS102

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) WATER Lab Sample ID: JN4741C

Sample wt/vol: 640 (g/mL) ML Lab File ID: E2944

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	39000	U
111-44-4	bis(2-Chloroethyl)ether	39000	U
95-57-8	2-Chlorophenol	39000	U
541-73-1	1,3-Dichlorobenzene	39000	U
106-46-7	1,4-Dichlorobenzene	39000	U
95-50-1	1,2-Dichlorobenzene	39000	U
95-48-7	2-Methylphenol	39000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	39000	U
106-44-5	4-Methylphenol	39000	U
621-64-7	N-Nitroso-di-n-propylamine	39000	U
67-72-1	Hexachloroethane	39000	U
98-95-3	Nitrobenzene	39000	U
78-59-1	Isophorone	39000	U
88-75-5	2-Nitrophenol	39000	U
105-67-9	2,4-Dimethylphenol	39000	U
111-91-1	bis(2-Chloroethoxy)methane	39000	U
120-83-2	2,4-Dichlorophenol	39000	U
120-82-1	1,2,4-Trichlorobenzene	39000	U
91-20-3	Naphthalene	39000	U
106-47-8	4-Chloroaniline	39000	U
87-68-3	Hexachlorobutadiene	39000	U
59-50-7	4-Chloro-3-methylphenol	39000	U
91-57-6	2-Methylnaphthalene	39000	U
77-47-4	Hexachlorocyclopentadiene	39000	U
88-06-2	2,4,6-Trichlorophenol	39000	U
95-95-4	2,4,5-Trichlorophenol	39000	U
91-58-7	2-Chloronaphthalene	39000	U
88-74-4	2-Nitroaniline	39000	U
131-11-3	Dimethylphthalate	39000	U
208-96-8	Acenaphthylene	39000	U
606-20-2	2,6-Dinitrotoluene	39000	U
99-09-2	3-Nitroaniline	39000	U
83-32-9	Acenaphthene	39000	U

00254

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS102

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) WATER Lab Sample ID: JN4741C

Sample wt/vol: 640 (g/mL) ML Lab File ID: E2944

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	200000	U
100-02-7	4-Nitrophenol	200000	U
132-64-9	Dibenzofuran	39000	U
121-14-2	2,4-Dinitrotoluene	39000	U
84-66-2	Diethylphthalate	39000	U
7005-72-3	4-Chlorophenyl-phenylether	39000	U
86-73-7	Fluorene	39000	U
100-01-6	4-Nitroaniline	39000	U
534-52-1	4,6-Dinitro-2-methylphenol	98000	U
101-55-3	4-Bromophenyl-phenylether	39000	U
86-30-6	N-Nitrosodiphenylamine (1)	39000	U
118-74-1	Hexachlorobenzene	39000	U
87-86-5	Pentachlorophenol	39000	U
85-01-8	Phenanthrene	39000	U
120-12-7	Anthracene	39000	U
86-74-8	Carbazole	39000	U
84-74-2	Di-n-butylphthalate	39000	U
206-44-0	Fluoranthene	39000	U
129-00-0	Pyrene	39000	U
85-68-2	Butylbenzylphthalate	39000	U
91-94-1	3,3'-Dichlorobenzidine	39000	U
56-55-3	Benzo(a)anthracene	39000	U
218-01-9	Chrysene	39000	U
117-81-7	bis(2-Ethylhexyl)phthalate	39000	U
117-84-0	Di-n-octylphthalate	39000	U
205-99-2	Benzo(b)fluoranthene	39000	U
207-08-9	Benzo(k)fluoranthene	39000	U
50-32-8	Benzo(a)pyrene	39000	U
193-39-5	Indeno(1,2,3-cd)pyrene	39000	U
53-70-3	Dibenz(a,h)anthracene	39000	U
191-24-2	Benzo(g,h,i)perylene	39000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CLJDWS102

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) WATER Lab Sample ID: JN4741C

Sample wt/vol: 640 (g/mL) ML Lab File ID: E2944

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

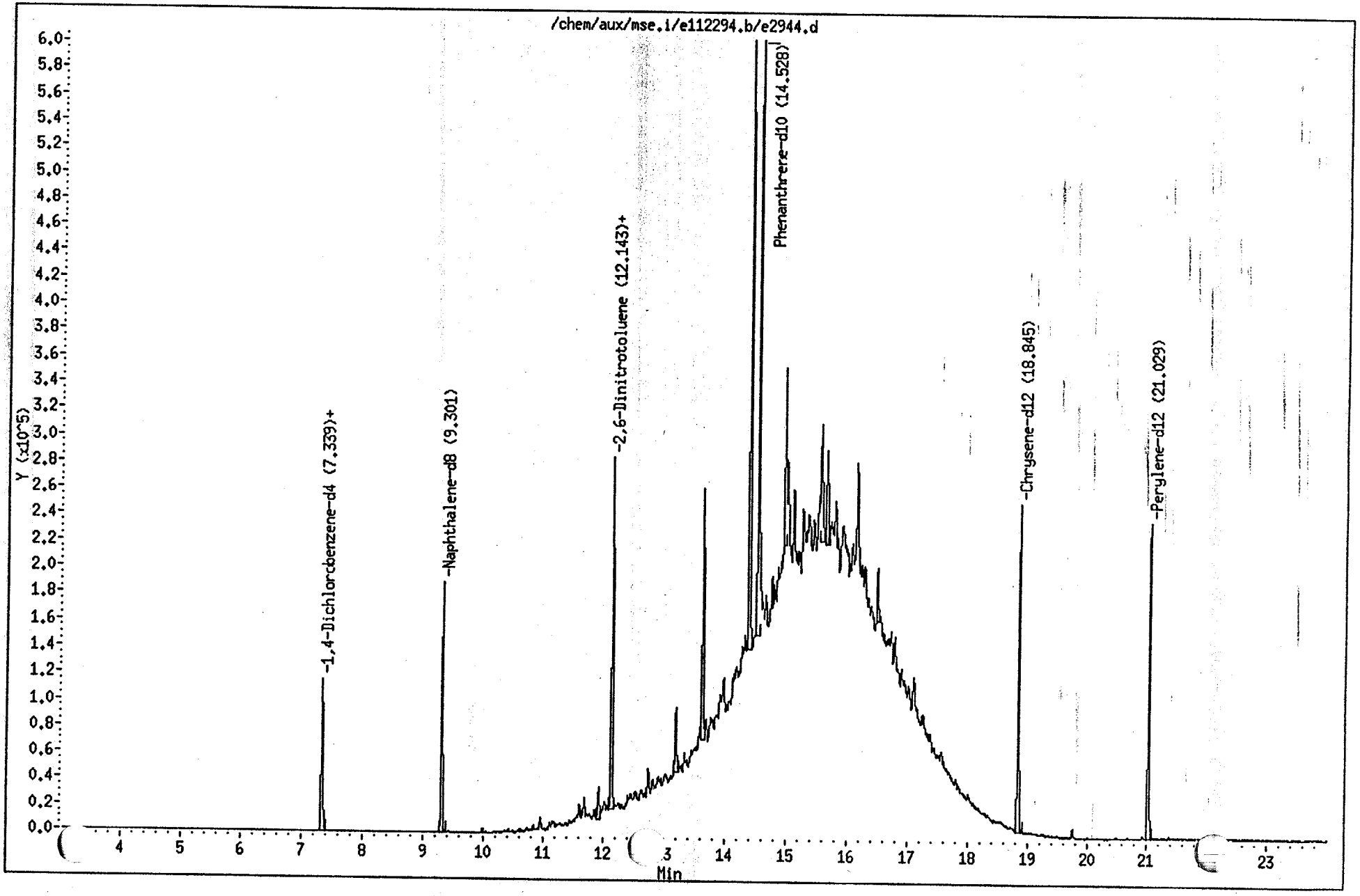
Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk substituted aromatic	11.93	8600	J
2. 55030-62-1	Tridecane, 4,8-dimethyl-	13.20	16000	JN
3. 1921-70-6	Pentadecane, 2,6,10,14-tetra	13.63	32000	JN
4. 31295-56-4	Dodecane, 2,6,11-trimethyl-	14.39	88000	JN
5. 55282-11-6	Heneicosane, 11-(1-ethylprop	14.96	27000	JN
6. 7098-21-7	Tritetracontane	15.55	21000	JN
7. 629-62-9	Pentadecane	15.65	14000	JN

00256

Data File: /chem/aux/mse.i/e112294.b/e2944.d
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25



Data File: /chem/aux/mse.i/e112294.b/e2944.d
Report Date: 22-Nov-1994 09:57

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e112294.b/e2944.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 22-NOV-94 08:14
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : 15226N cljdws102
Misc Info : jn4741c,n1c41682,m1,2,100
Comment :
Method : /chem/aux/mse.i/e112294.b/bnaclpe.m
Meth Date : 22-Nov-1994 07:46
Cal Date : 22-NOV-94 07:20
Cal File: e2943.d
Als bottle: 3
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

TSC 11-22-94

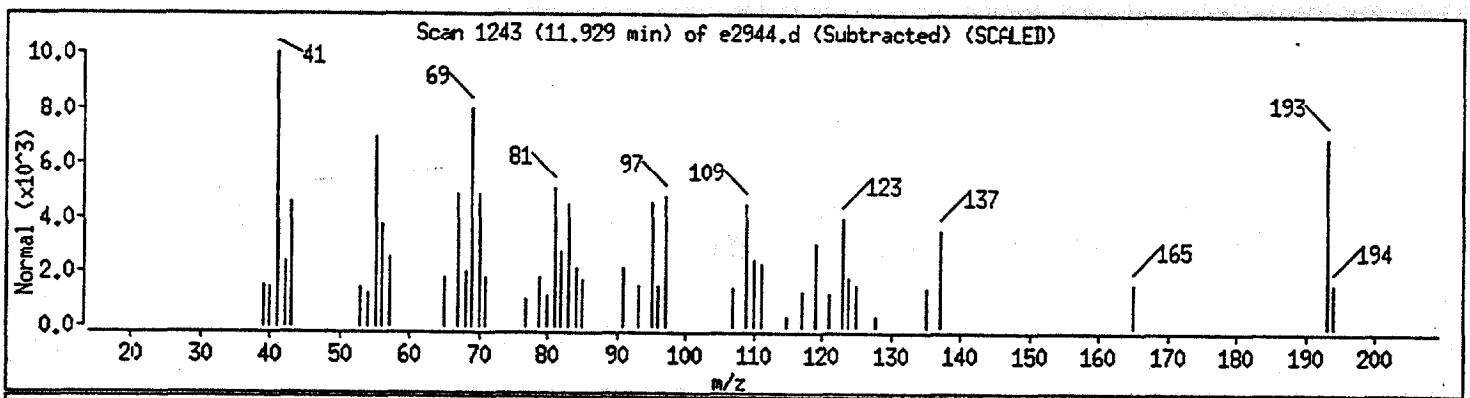
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* [illegible]1,4-Dichlorobenzene-d4	152.00	7.339	(1.000)	30605	40.0	
$ 00 1,2-Dichlorobenzene-D4	152.00	7.339	(1.000)	30605	54.0	~~87.0 (TAQ)~~
* 25 Naphthalene-d8	136.00	9.301	(1.000)	115829	40.0	
39 2,6-Dinitrotoluene	165.00	12.143	(1.000)	11470	19.6	~~9.82 (aQ)~~
* 42 Acenaphthene-d10	164.00	12.143	(1.000)	84328	40.0	
* 58 Phenanthrene-d10	188.00	14.528	(1.000)	167884	40.0	
* 70 Chrysene-d12	240.00	18.845	(1.000)	132257	40.0	
* 77 Perylene-d12	264.00	21.029	(1.000)	142864	40.0	

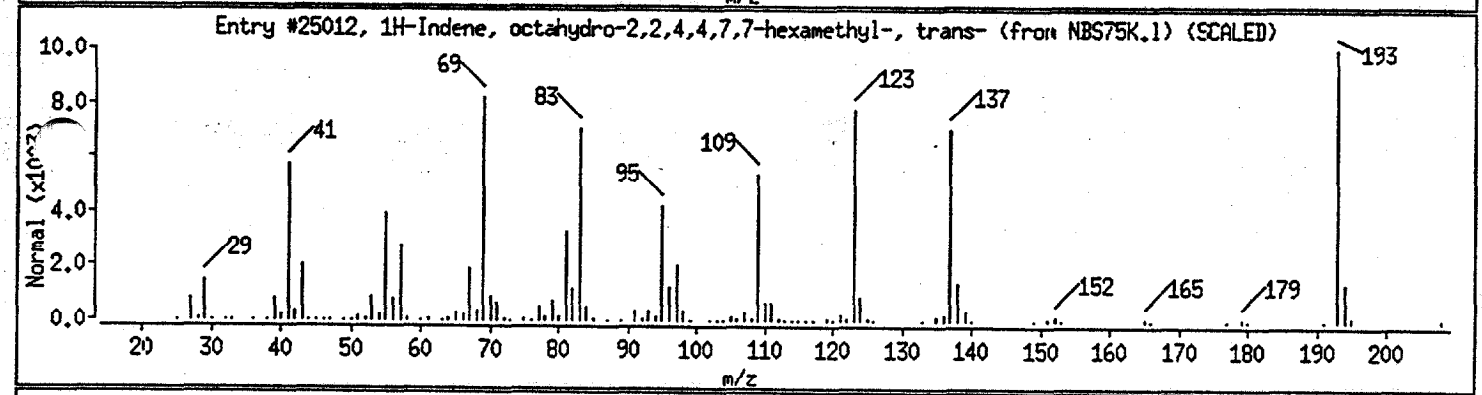
QC Flag Legend

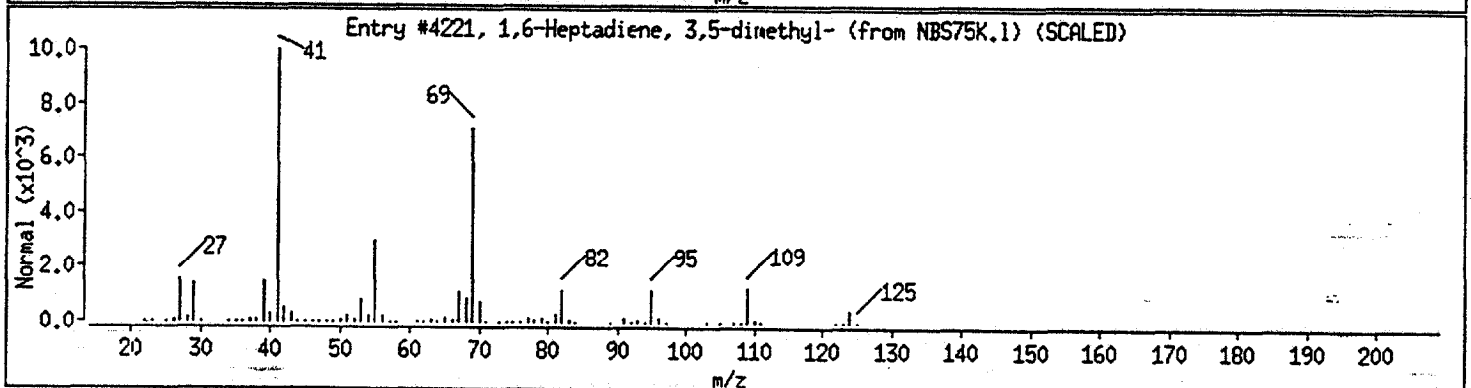
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

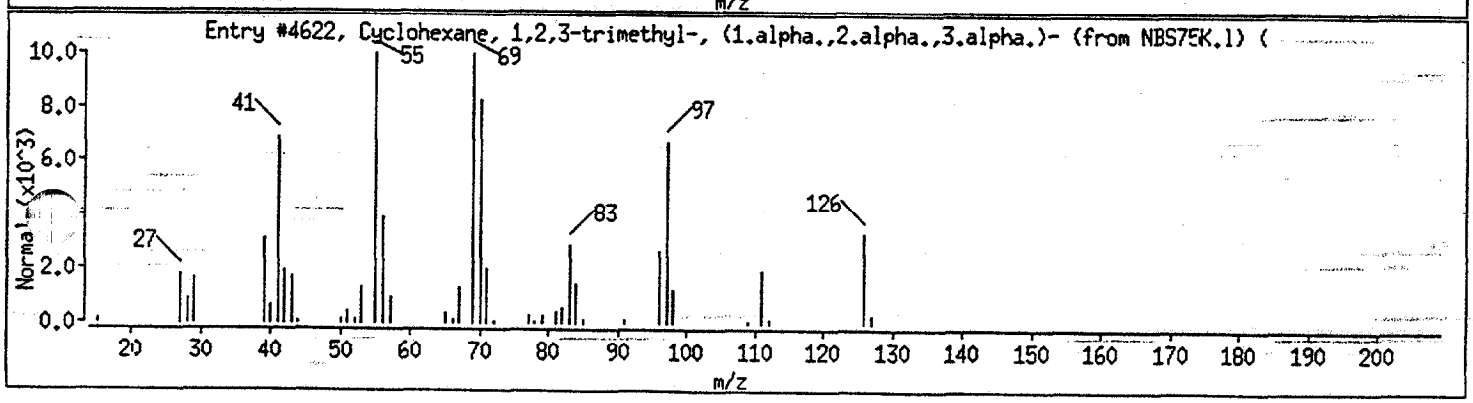
Data File: /chem/aux/mse.i/e112294.b/e2944.d
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1H-Indene, octahydro-2,2,4,4,7,7-hexamet	54832-83-6	NBS75K.1	25012	40
1,6-Heptadiene, 3,5-dimethyl-	68701-99-5	NBS75K.1	4221	27
Cyclohexane, 1,2,3-trimethyl-, (1.alpha.	1839-88-9	NBS75K.1	4622	22



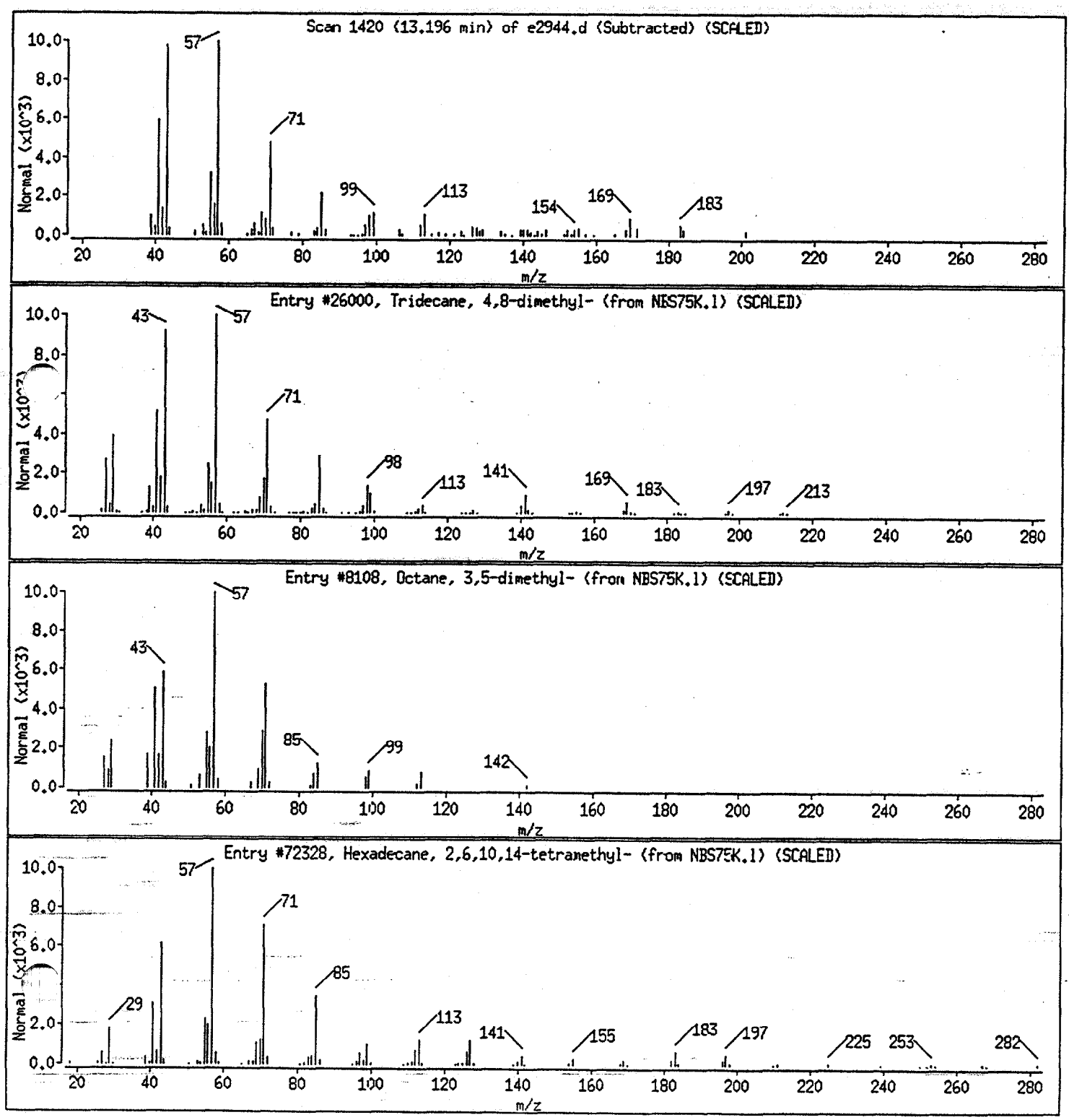






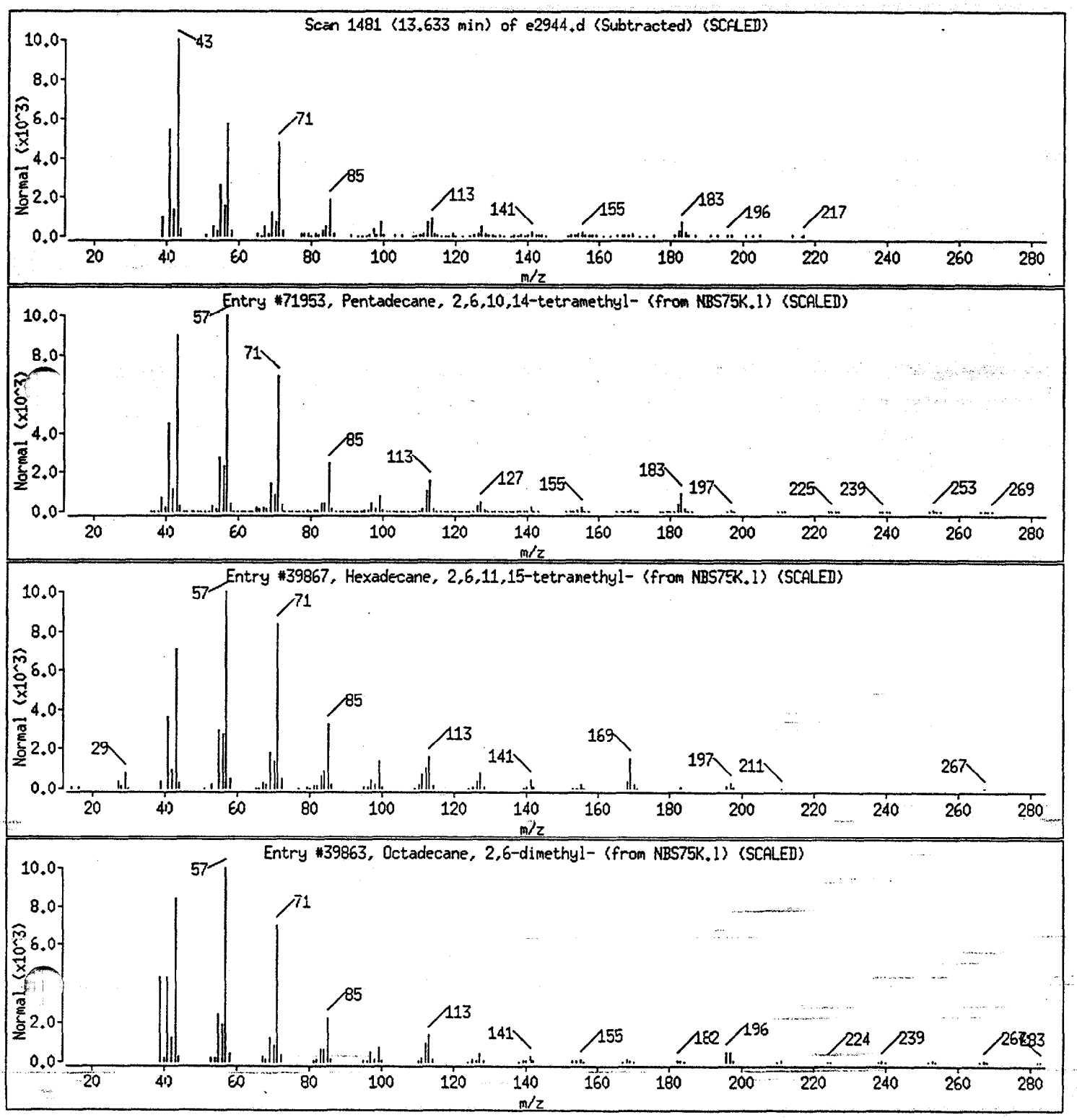
Data File: /chem/aux/mse.i/e112294.b/e2944.d
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Tridecane, 4,8-dimethyl-	55030-62-1	NBS75K.1	26000	80
Octane, 3,5-dimethyl-	15869-93-9	NBS75K.1	8108	68
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NBS75K.1	72328	64



Data File: /chem/aux/mse.i/e112294.b/e2944.d
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

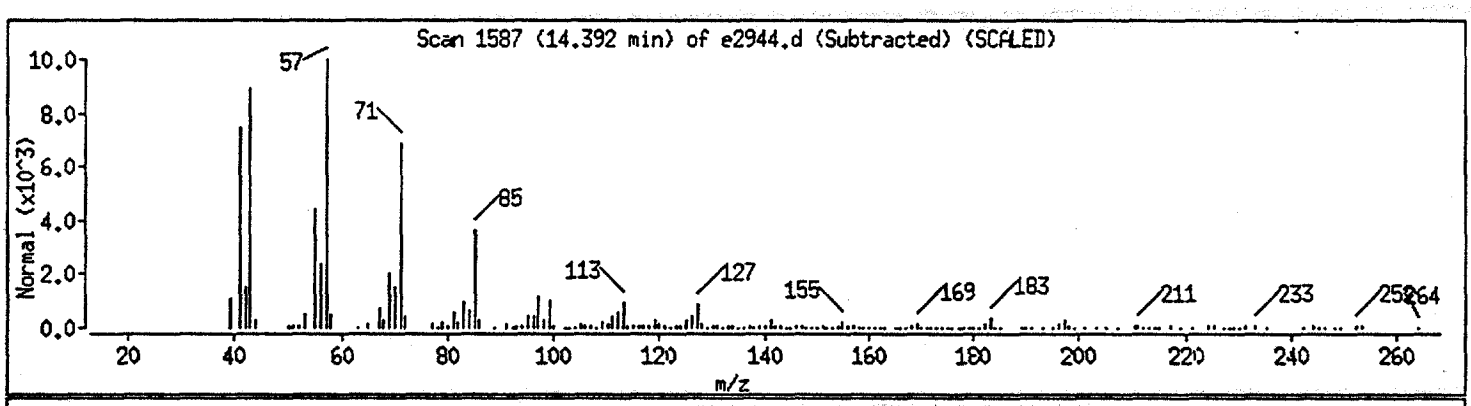
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71953	91
Hexadecane, 2,6,11,15-tetramethyl-	504-44-9	NBS75K.l	39867	87
Octadecane, 2,6-dimethyl-	75163-97-2	NBS75K.l	39863	86

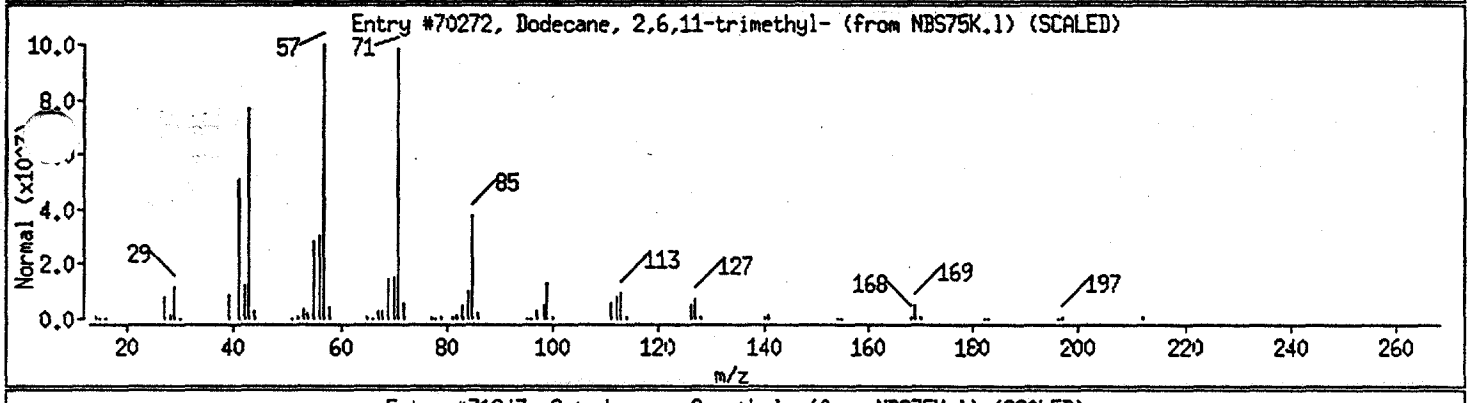


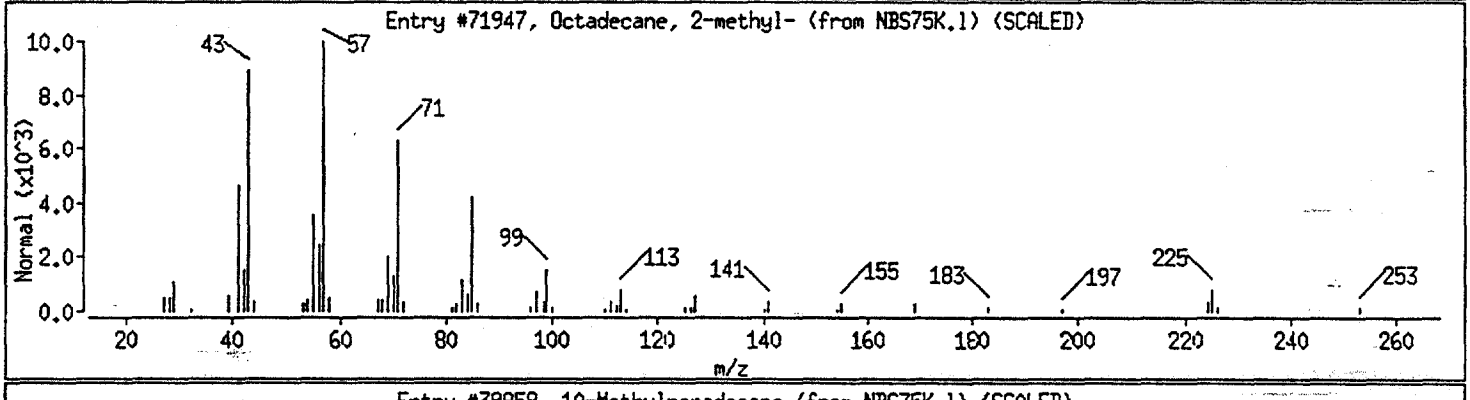
Data File: /chem/aux/mse.i/e112294.b/e2944.d

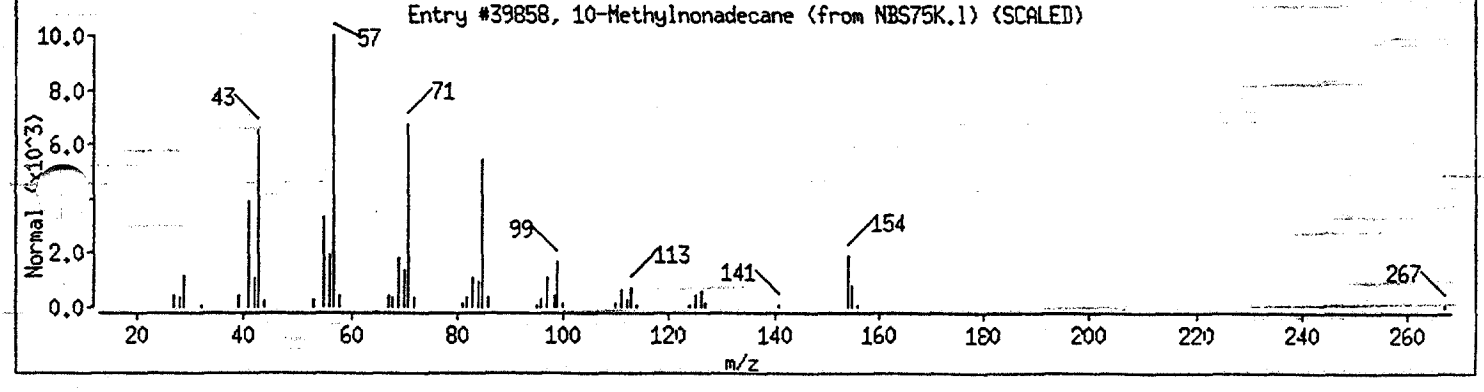
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Dodecane, 2,6,11-trimethyl-	31295-56-4	NBS75K.l	70272	90
Octadecane, 2-methyl-	1560-88-9	NBS75K.l	71947	86
10-Methylnonadecane	0-00-0	NBS75K.l	39858	83





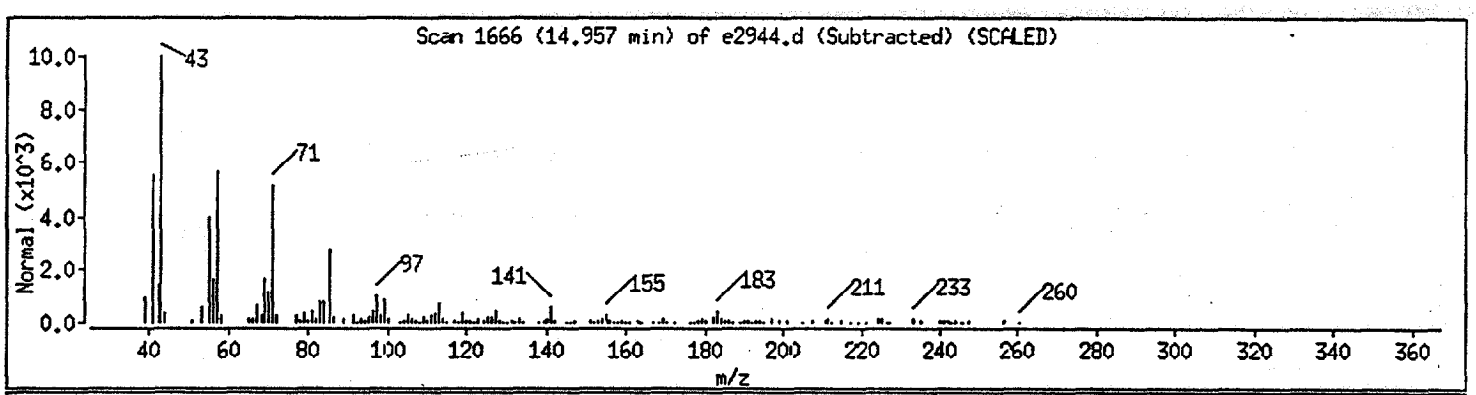


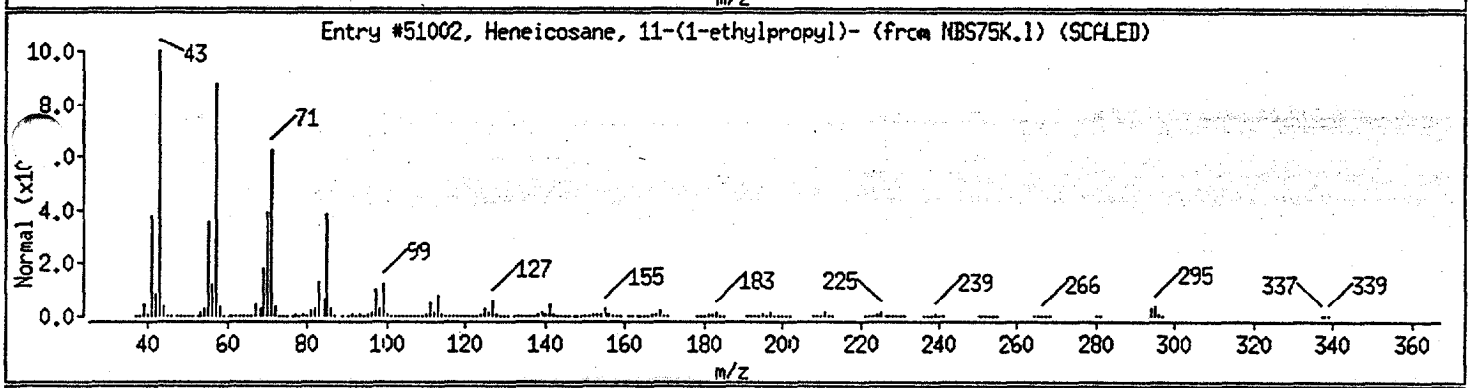


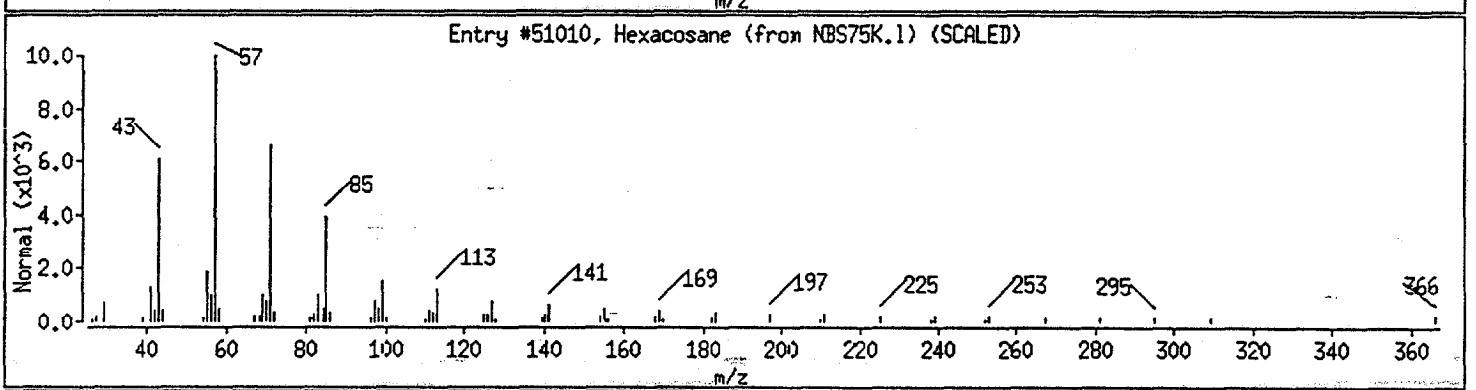
Data File: /chem/aux/mse.i/e112294.b/e2944.d

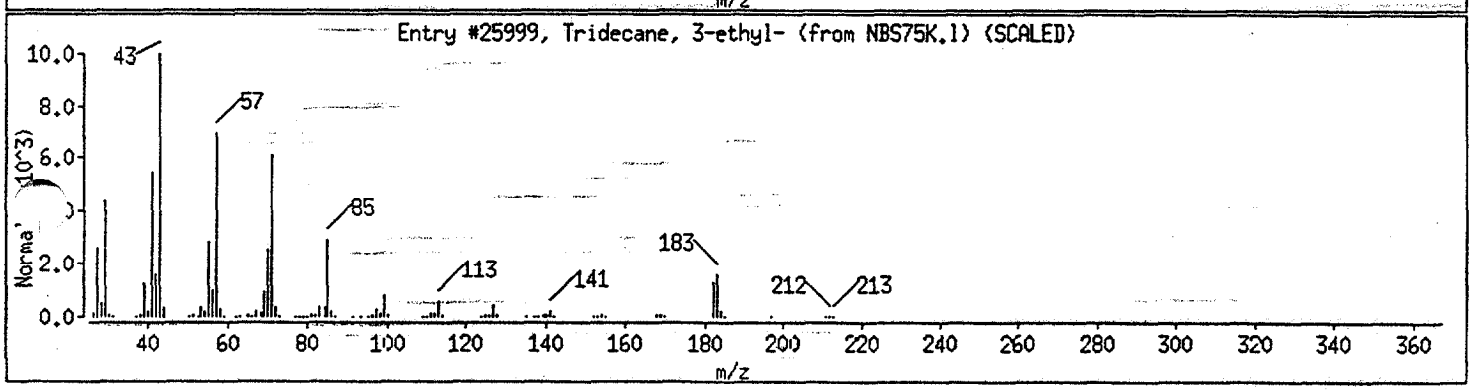
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Heneicosane, 11-(1-ethylpropyl)-	55282-11-6	NBS75K.l	51002	83
Hexacosane	630-01-3	NBS75K.l	51010	72
Tridecane, 3-ethyl-	13286-73-2	NBS75K.l	25999	70



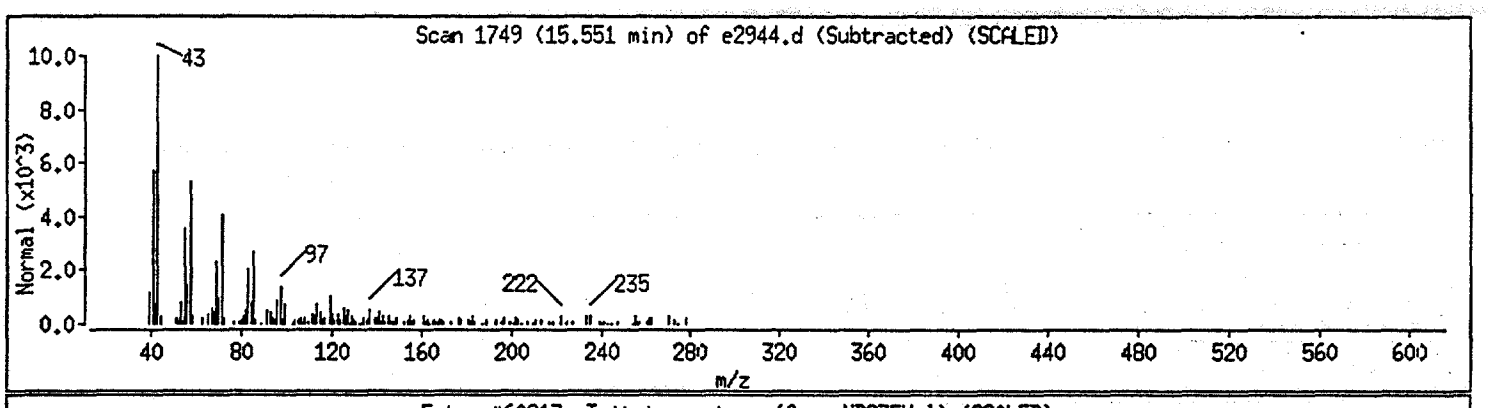


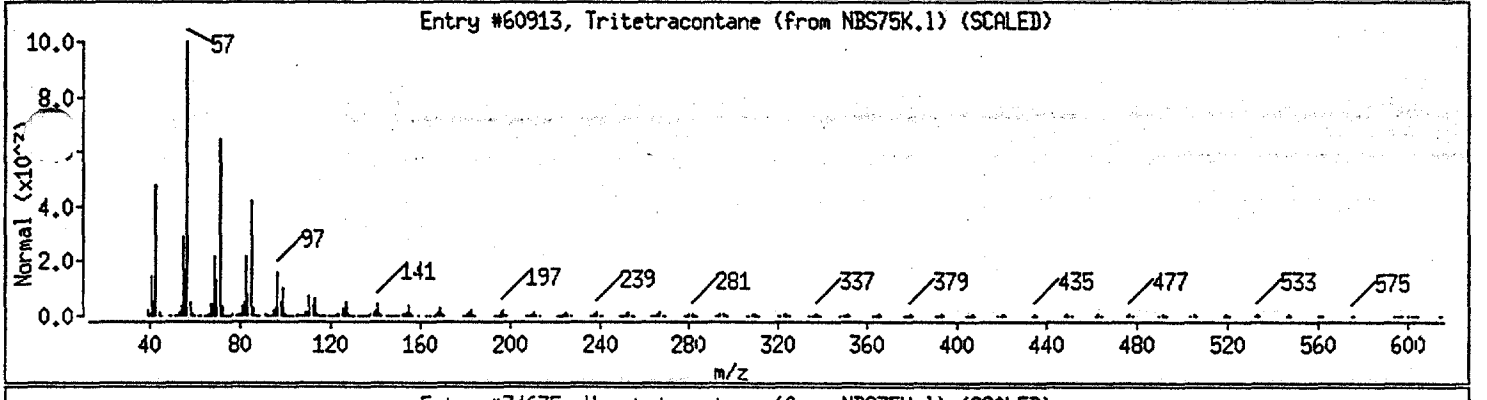


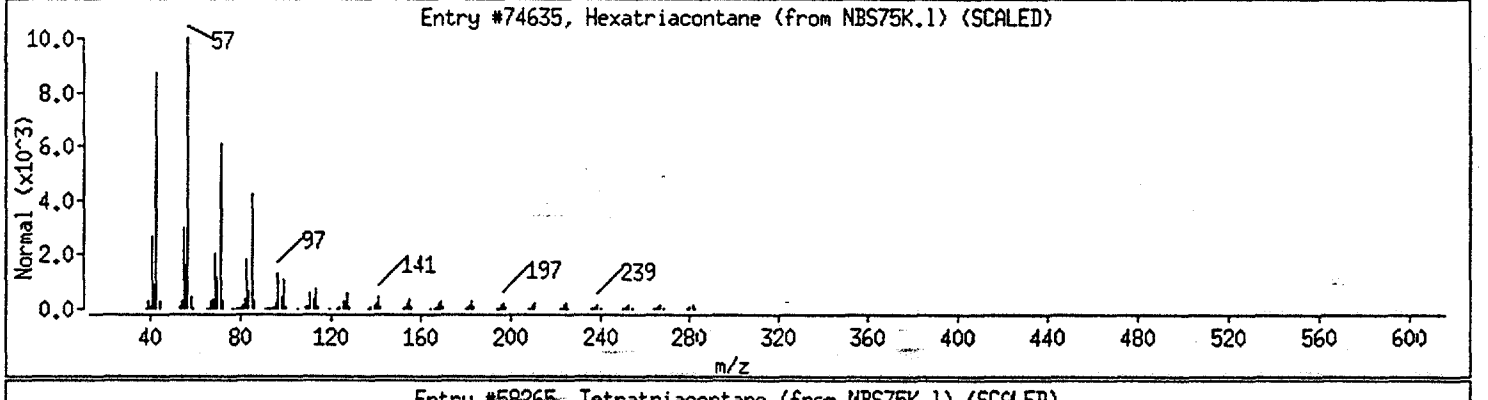


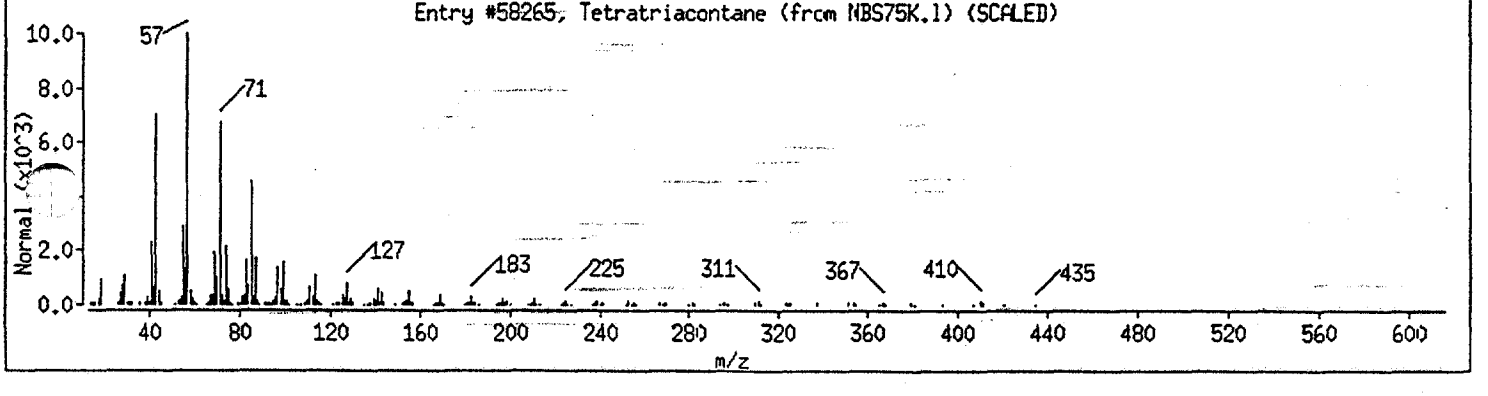
Data File: /chem/aux/mse.i/e112294.b/e2944.d
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Tritetracontane	7098-21-7	NBS75K.1	60913	62
Hexatriacontane	630-06-8	NBS75K.1	74635	58
Tetratriacontane	14167-59-0	NBS75K.1	58265	52





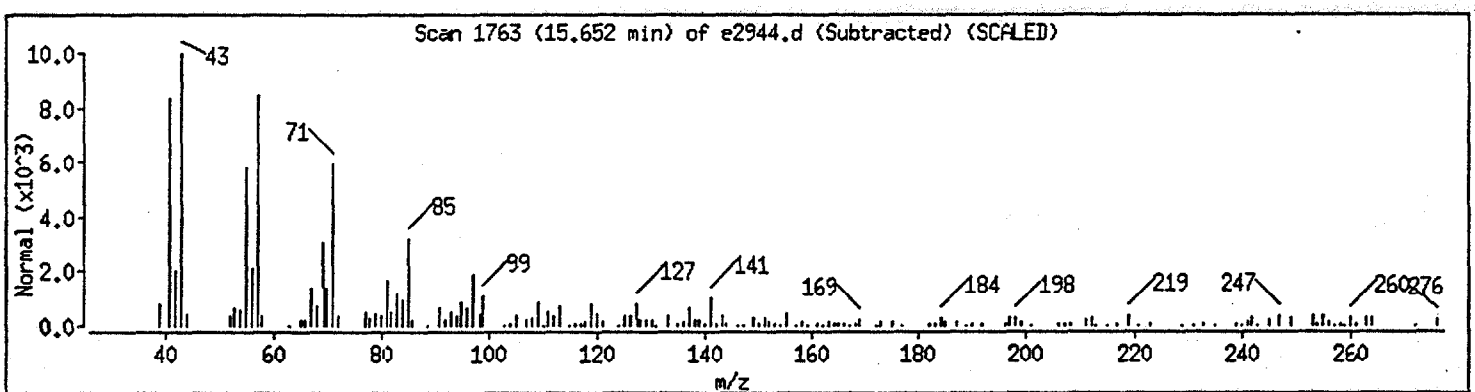


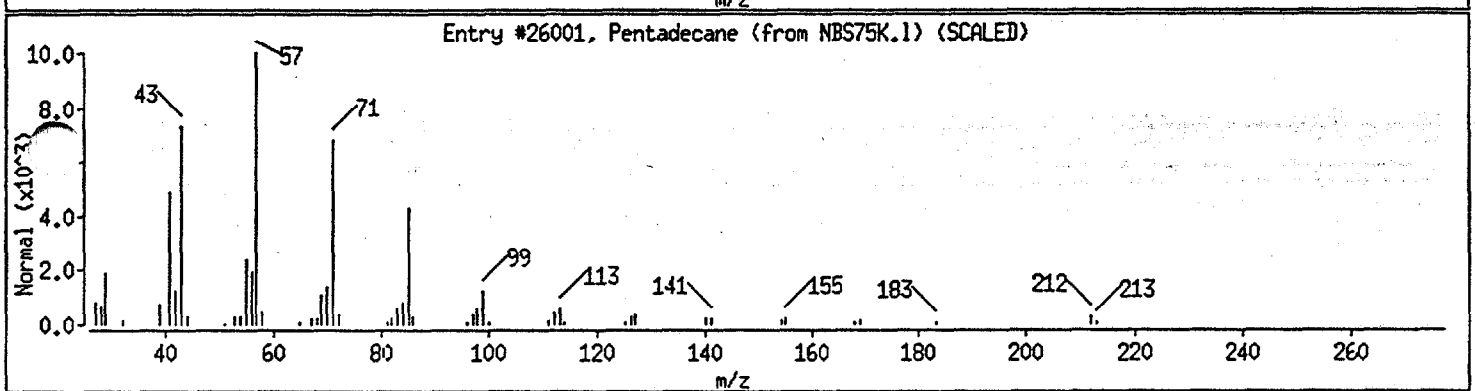


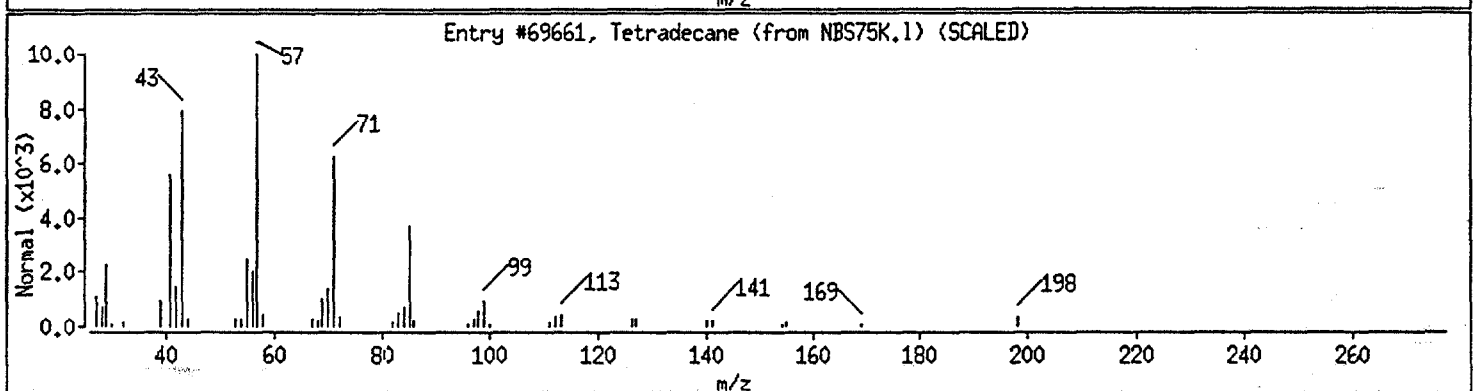
Data File: /chem/aux/mse.i/e112294.b/e2944.d

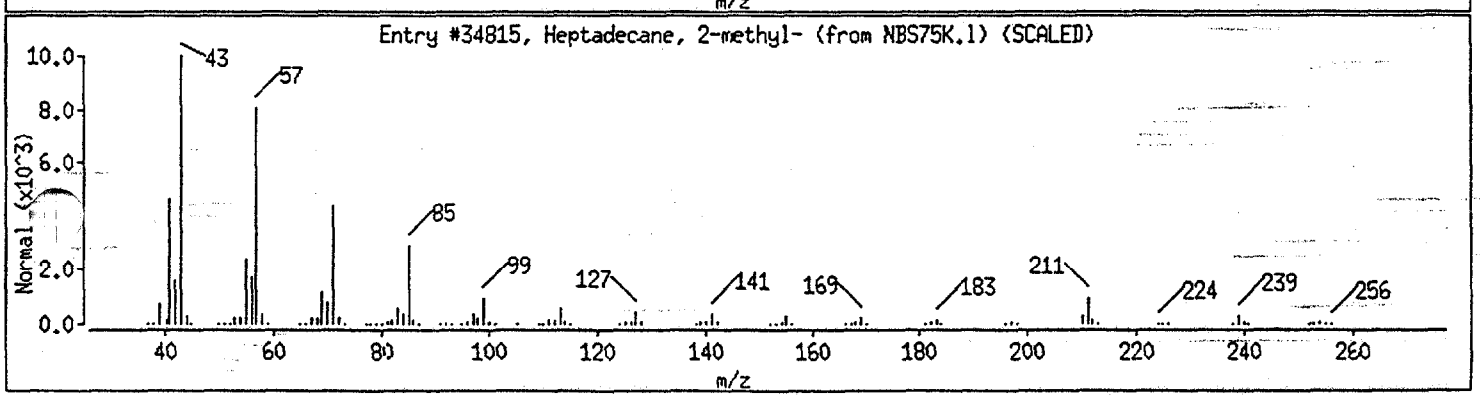
Date : 22-NOV-94 08:14
Instrument : mse.i
Sample ID : cljdws102
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Pentadecane	629-62-9	NBS75K.l	26001	95
Tetradecane	629-59-4	NBS75K.l	69661	95
Heptadecane, 2-methyl-	1560-89-0	NBS75K.l	34815	90









00265
EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4742C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2889

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~20.0~~ 200

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	70000	U
111-44-4	bis(2-Chloroethyl)ether	70000	U
95-57-8	2-Chlorophenol	70000	U
541-73-1	1,3-Dichlorobenzene	70000	U
106-46-7	1,4-Dichlorobenzene	70000	U
95-50-1	1,2-Dichlorobenzene	70000	U
95-48-7	2-Methylphenol	70000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	70000	U
106-44-5	4-Methylphenol	70000	U
621-64-7	N-Nitroso-di-n-propylamine	70000	U
67-72-1	Hexachloroethane	70000	U
98-95-3	Nitrobenzene	70000	U
78-59-1	Isophorone	70000	U
88-75-5	2-Nitrophenol	70000	U
105-67-9	2,4-Dimethylphenol	70000	U
111-91-1	bis(2-Chloroethoxy)methane	70000	U
120-83-2	2,4-Dichlorophenol	70000	U
120-82-1	1,2,4-Trichlorobenzene	70000	U
91-20-3	Naphthalene	70000	U
106-47-8	4-Chloroaniline	70000	U
87-68-3	Hexachlorobutadiene	70000	U
59-50-7	4-Chloro-3-methylphenol	70000	U
91-57-6	2-Methylnaphthalene	70000	U
77-47-4	Hexachlorocyclopentadiene	70000	U
88-06-2	2,4,6-Trichlorophenol	70000	U
95-95-4	2,4,5-Trichlorophenol	70000	U
91-58-7	2-Chloronaphthalene	70000	U
88-74-4	2-Nitroaniline	70000	U
131-11-3	Dimethylphthalate	70000	U
208-96-8	Acenaphthylene	70000	U
606-20-2	2,6-Dinitrotoluene	70000	U
99-09-2	3-Nitroaniline	70000	U
83-32-9	Acenaphthene	70000	U

00266
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4742C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2889

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~20.0~~ 200

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	350000	U
100-02-7	4-Nitrophenol	350000	U
132-64-9	Dibenzofuran	70000	U
121-14-2	2,4-Dinitrotoluene	70000	U
84-66-2	Diethylphthalate	70000	U
7005-72-3	4-Chlorophenyl-phenylether	70000	U
86-73-7	Fluorene	70000	U
100-01-6	4-Nitroaniline	70000	U
534-52-1	4,6-Dinitro-2-methylphenol	180000	U
101-55-3	4-Bromophenyl-phenylether	70000	U
86-30-6	N-Nitrosodiphenylamine (1)	70000	U
118-74-1	Hexachlorobenzene	70000	U
87-86-5	Pentachlorophenol	70000	U
85-01-8	Phenanthrene	70000	U
120-12-7	Anthracene	70000	U
86-74-8	Carbazole	70000	U
84-74-2	Di-n-butylphthalate	70000	U
206-44-0	Fluoranthene	70000	U
129-00-0	Pyrene	70000	U
85-68-2	Butylbenzylphthalate	70000	U
91-94-1	3,3'-Dichlorobenzidine	70000	U
56-55-3	Benzo(a)anthracene	70000	U
218-01-9	Chrysene	70000	U
117-81-7	bis(2-Ethylhexyl)phthalate	200000	
117-84-0	Di-n-octylphthalate	70000	U
205-99-2	Benzo(b)fluoranthene	70000	U
207-08-9	Benzo(k)fluoranthene	70000	U
50-32-8	Benzo(a)pyrene	70000	U
193-39-5	Indeno(1,2,3-cd)pyrene	70000	U
53-70-3	Dibenz(a,h)anthracene	70000	U
191-24-2	Benzo(g,h,i)perylene	70000	U

(1) - Cannot be separated from Diphenylamine

00267
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075 ~~A01SS-I~~

Matrix: (soil/water) SOIL Lab Sample ID: JN4742C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2889

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~20.0~~ 2.0

GPC Cleanup: (Y/N) N pH: 7.0

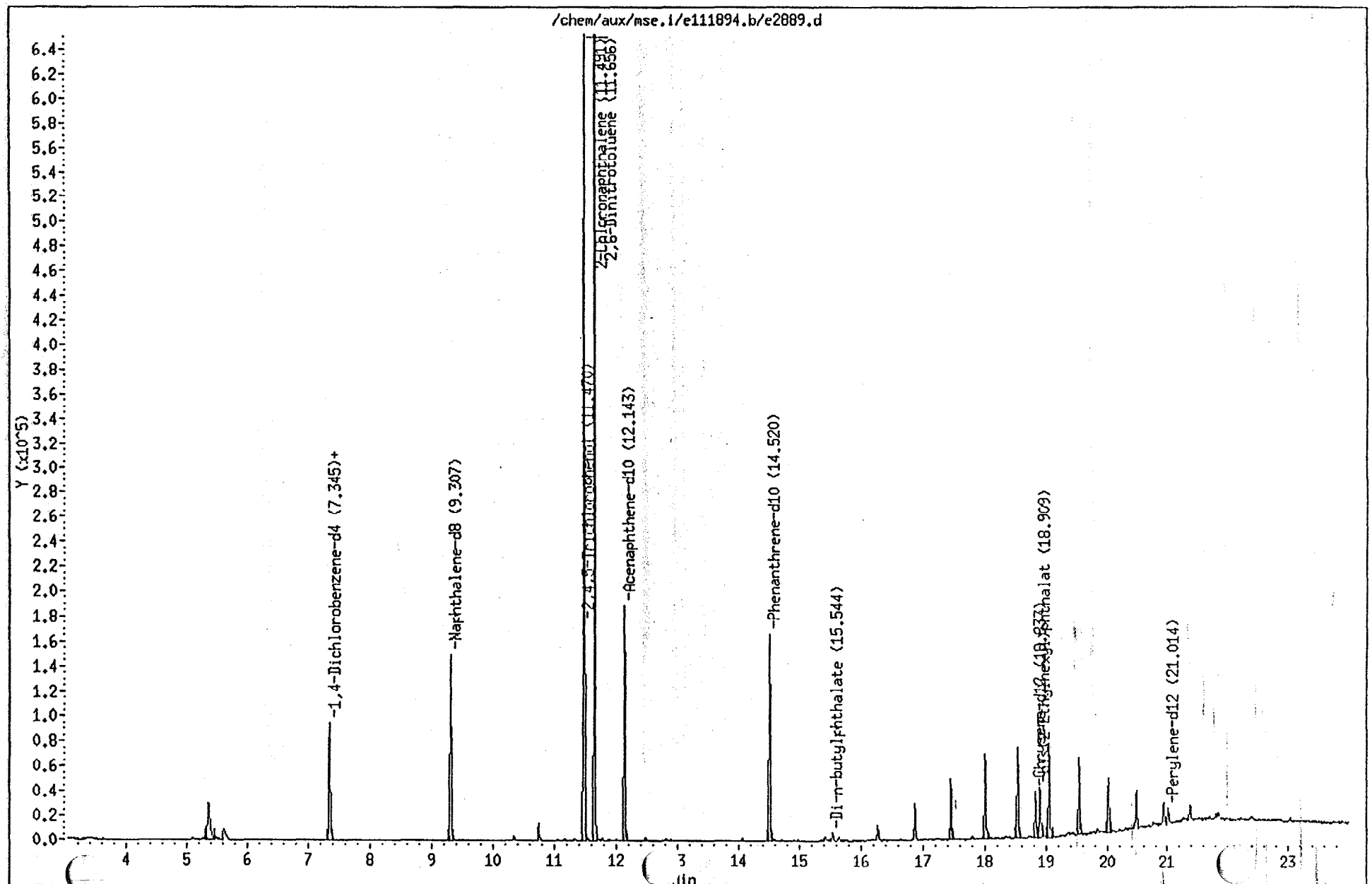
Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	5.36	69000	J
2.	634-93-5	Benzenamine, 2,4,6-trichloro	11.49	920000	JN
3.		unknown	11.66	1600000	J
4.		Unk hydrocarbon	17.46	190000	J
5.		Unk hydrocarbon	18.01	260000	J
6.		Unk hydrocarbon	18.55	290000	J
7.		Unk hydrocarbon	19.06	290000	J
8.		Unk hydrocarbon	19.55	230000	J
9.		Unk hydrocarbon	20.03	180000	J

00268

Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25



Data File: /chem/aux/mse.i/e111894.b/e2889.d
Report Date: 20-Nov-1994 10:47

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e111894.b/e2889.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-NOV-94 17:39
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : 15226n cljdws151
Misc Info : jn4742c,n2c41672,m1,2,20
Comment :
Method : /chem/aux/mse.i/e111894.b/bnaclpe.m
Meth Date : 18-Nov-1994 08:28
Cal Date : 18-NOV-94 07:52
Cal File: e2872.d
Als bottle: 19
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
*	1,4-Dichlorobenzene-d4	152.00	7.345	(1.000)	24582	40.0		
$	1,2-Dichlorobenzene-D4	152.00	7.345	(1.000)	24582	53.0	26.5(TAQ)	S
*	25 Naphthalene-d8	136.00	9.307	(1.000)	89711	40.0		
	34 2,4,5-Trichlorophenol	196.00	11.470	(0.945)	1427	2.98	~~1.49(TaQ)~~	MS
	36 2-Chloronaphthalene	162.00	11.491	(0.946)	7563	6.14	~~3.07(Ta)~~	MS
	39 2,6-Dinitrotoluene	165.00	11.656	(0.960)	2191	5.60	~~2.80(TaQ)~~	MS
*	42 Acenaphthene-d10	164.00	12.143	(1.000)	58240	40.0		
*	58 Phenanthrene-d10	188.00	14.520	(1.000)	82339	40.0		
	62 Di-n-butylphthalate	149.00	15.544	(1.071)	6777	2.28	~~1.14(a)~~	MS
*	70 Chrysene-d12	240.00	18.837	(1.000)	20576	40.0		
	68 bis(2-Ethylhexyl)phthalate	149.00	18.909	(1.004)	28060	57.7	(28.8)	
*	77 Perylene-d12	264.00	21.014	(1.000)	6936	40.0		

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/mse.i/e111894.b/e2889.d

Date : 18-NOV-94 17:39

Instrument : mse.i

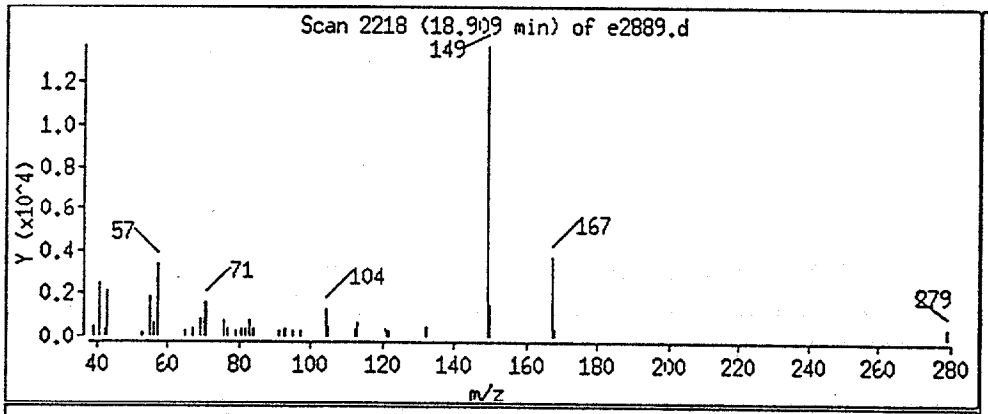
Sample ID : cljdws151

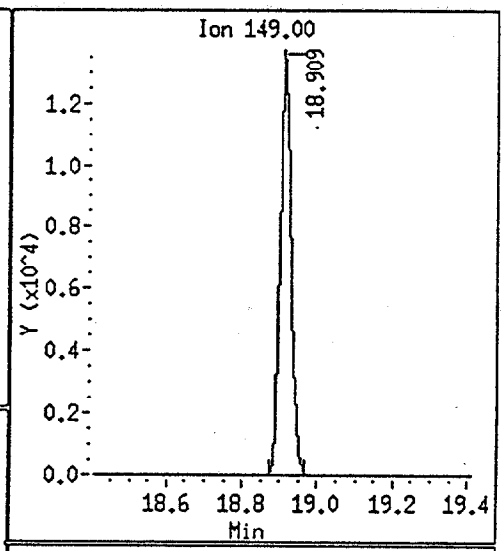
Column phase : J&W DB-5

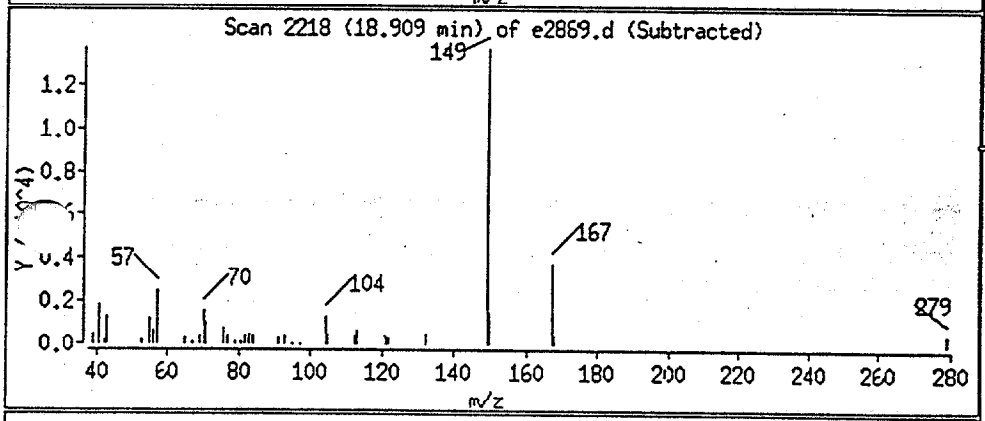
Column diameter : 0.25

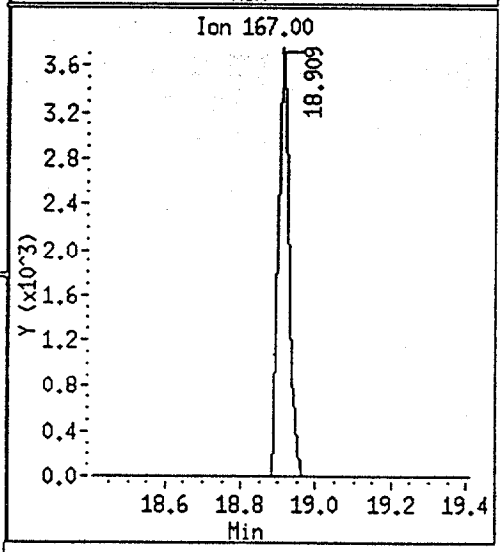
Volume Injected (uL) : 2.0

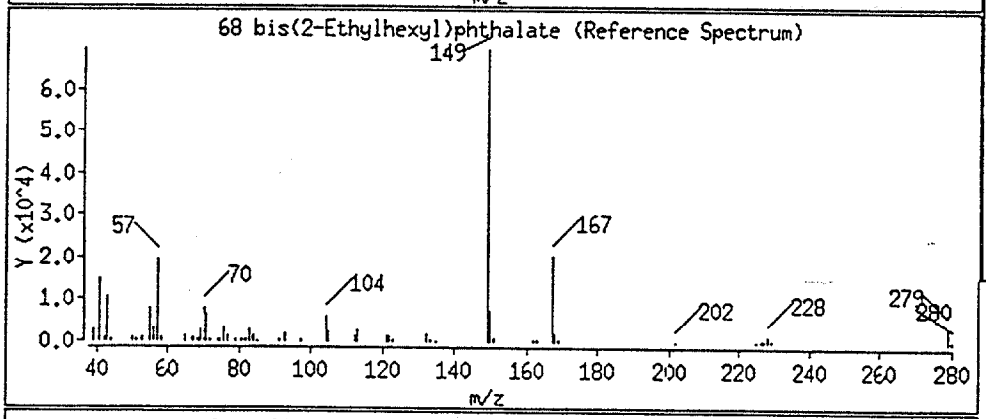
68 bis(2-Ethylhexyl)phthalate

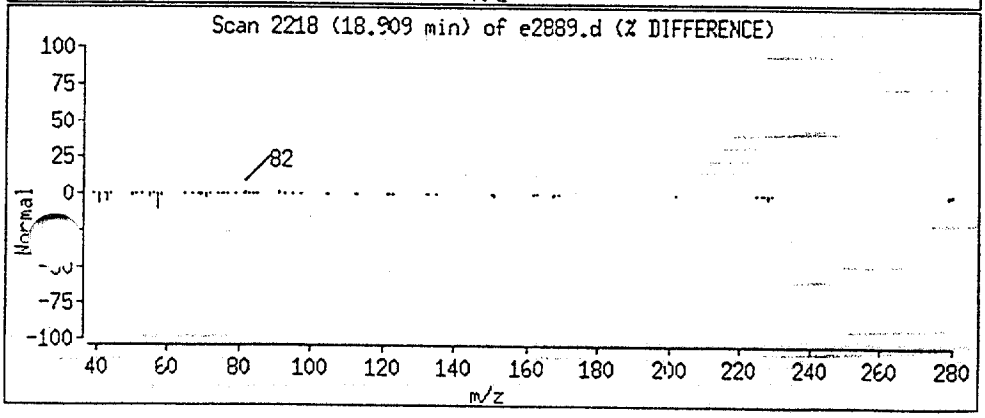






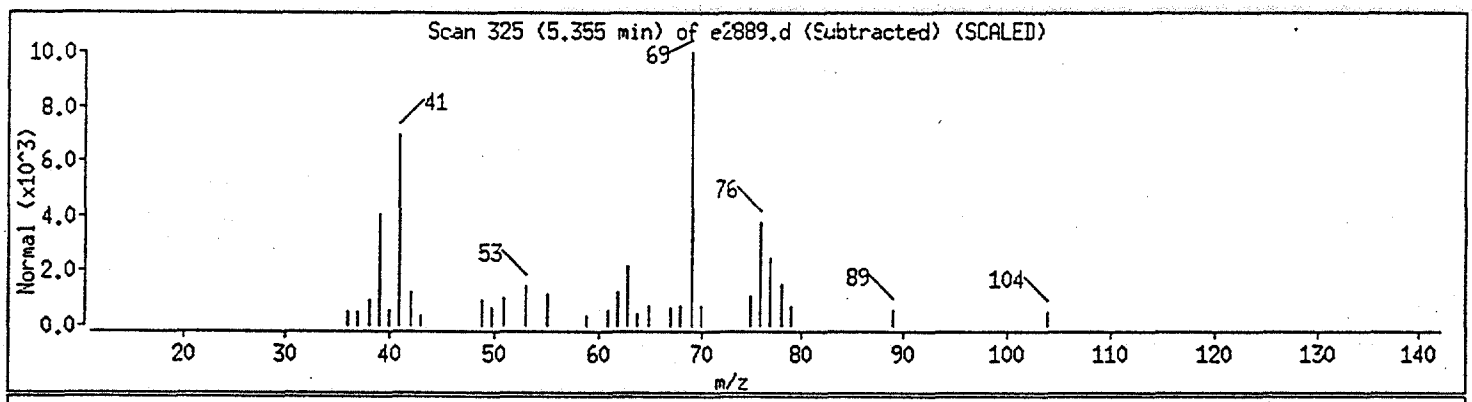


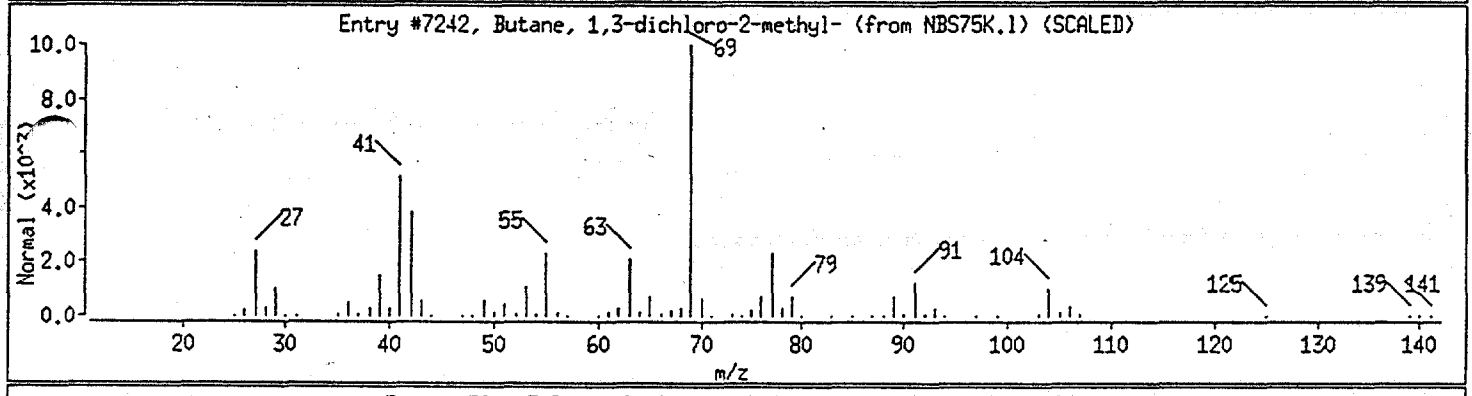


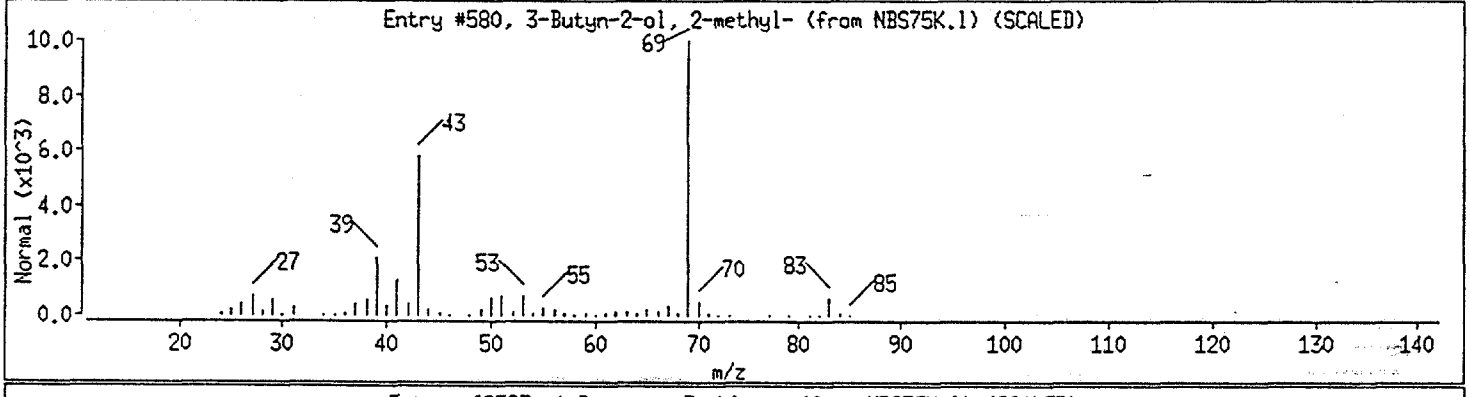


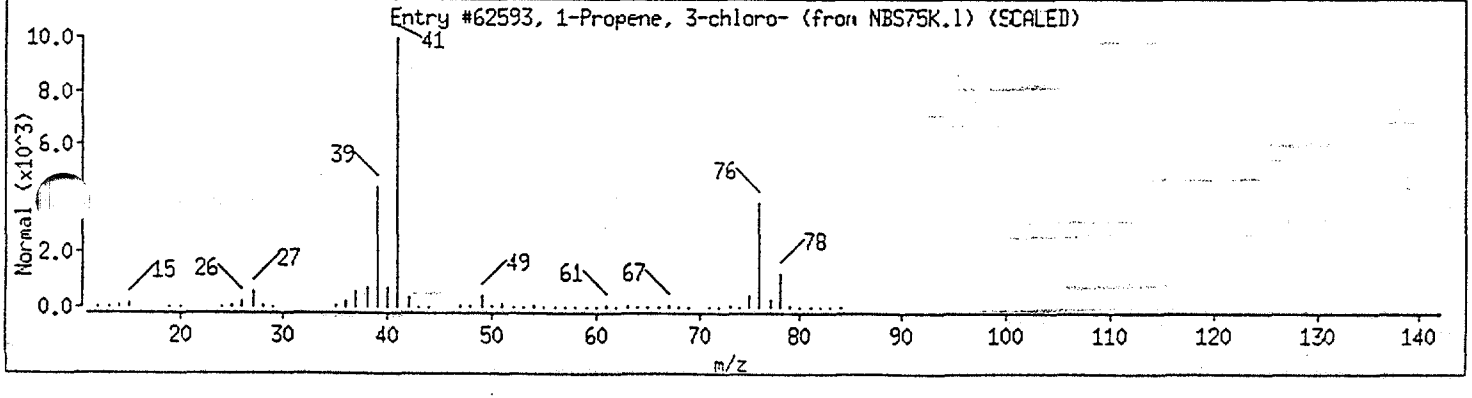
Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Butane, 1,3-dichloro-2-methyl-	23010-07-3	NBS75K.l	7242	32
3-Butyn-2-ol, 2-methyl-	115-19-5	NBS75K.l	580	14
1-Propene, 3-chloro-	107-05-1	NBS75K.l	62593	14





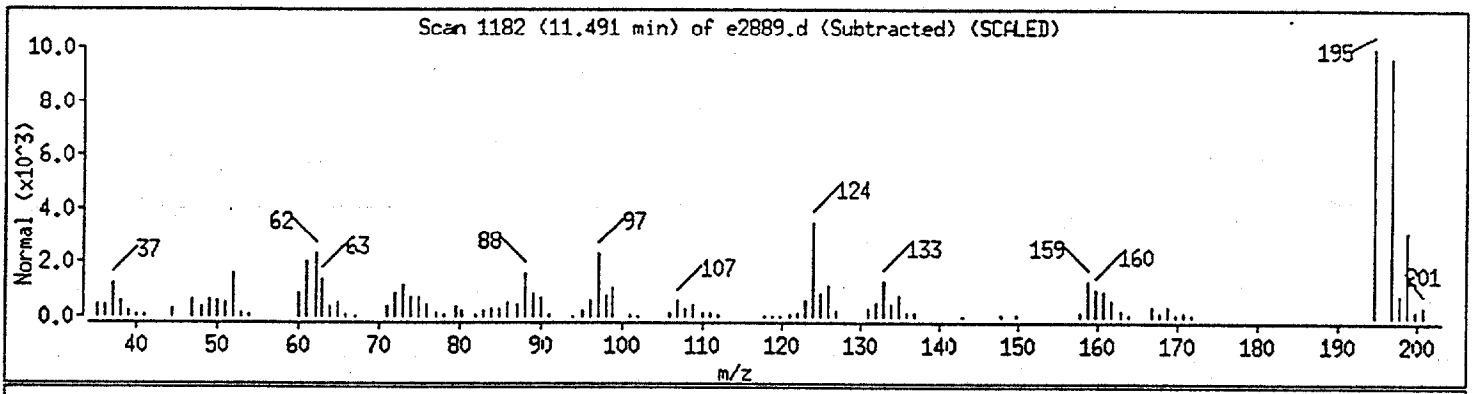


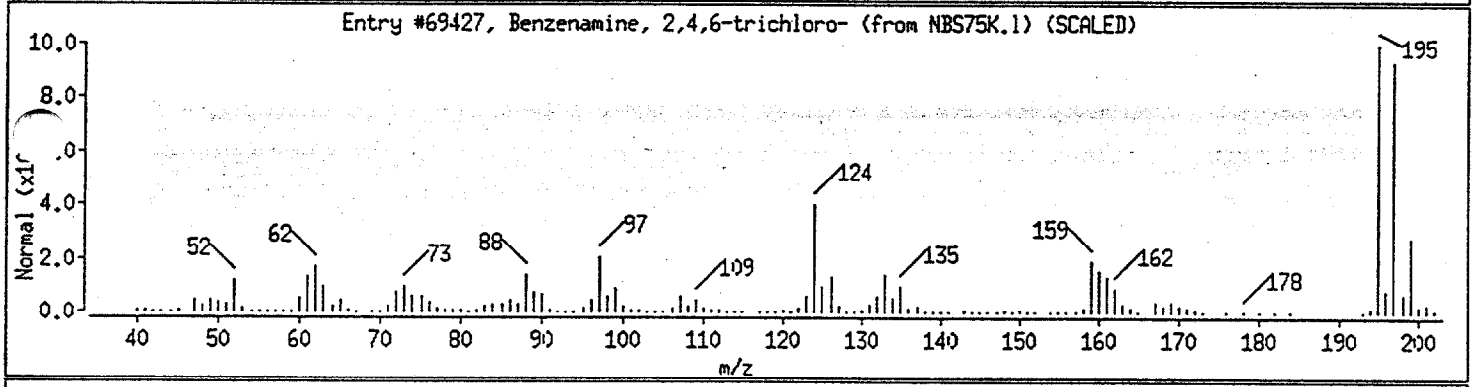


Data File: /chem/aux/mse.i/e111894.b/e2889.d

Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Benzenamine, 2,4,6-trichloro-	634-93-5	NBS75K.1	69427	97

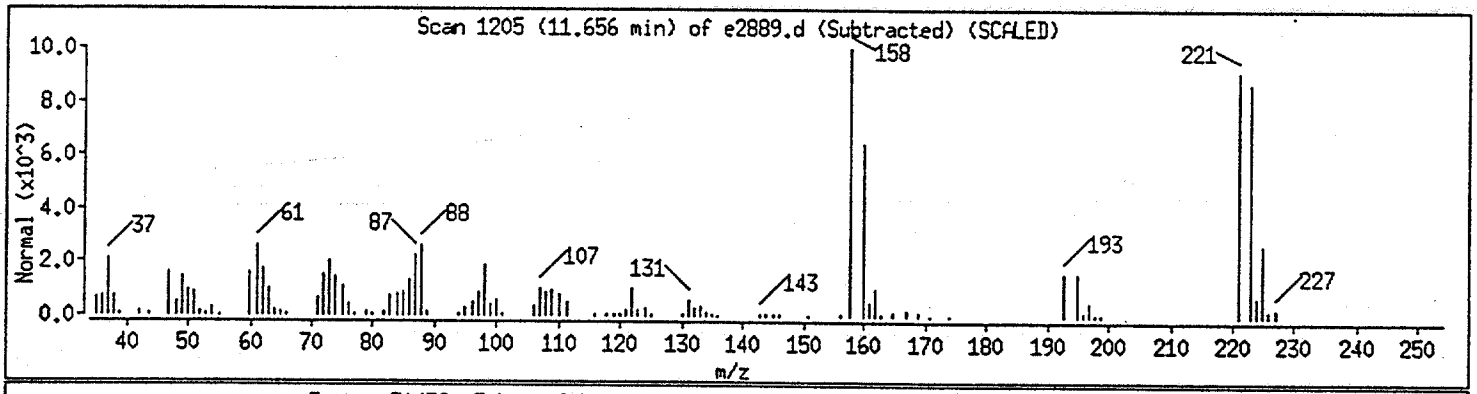


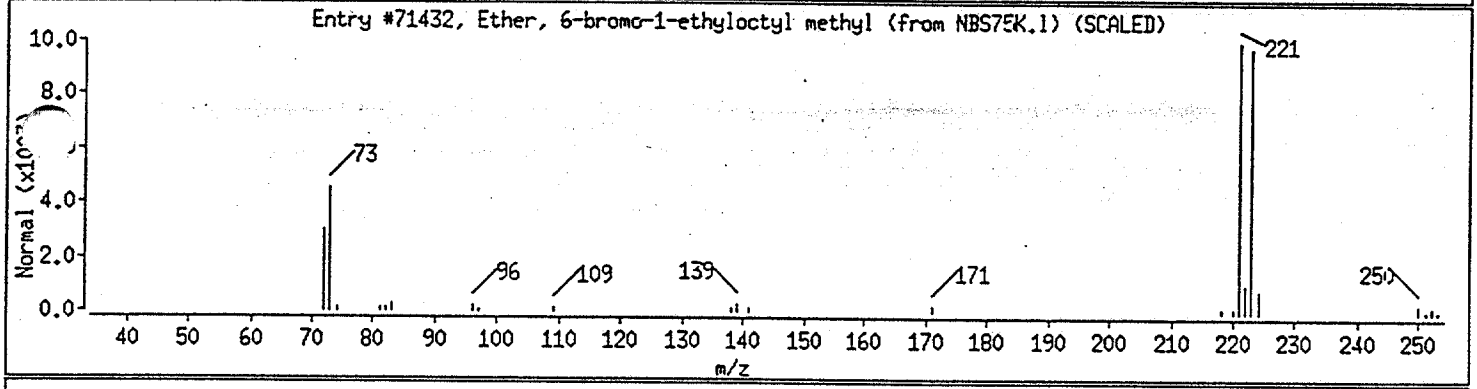


Data File: /chem/aux/mse.i/e111894.b/e2889.d

Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

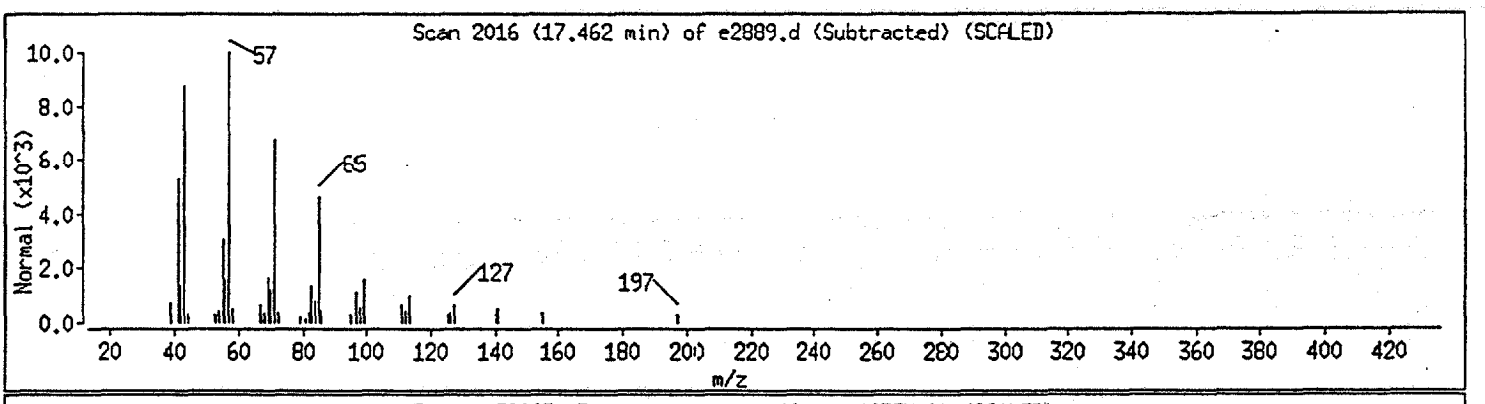
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Ether, 6-bromo-1-ethyloctyl methyl	20599-95-5	NBS75K.l	71432	38

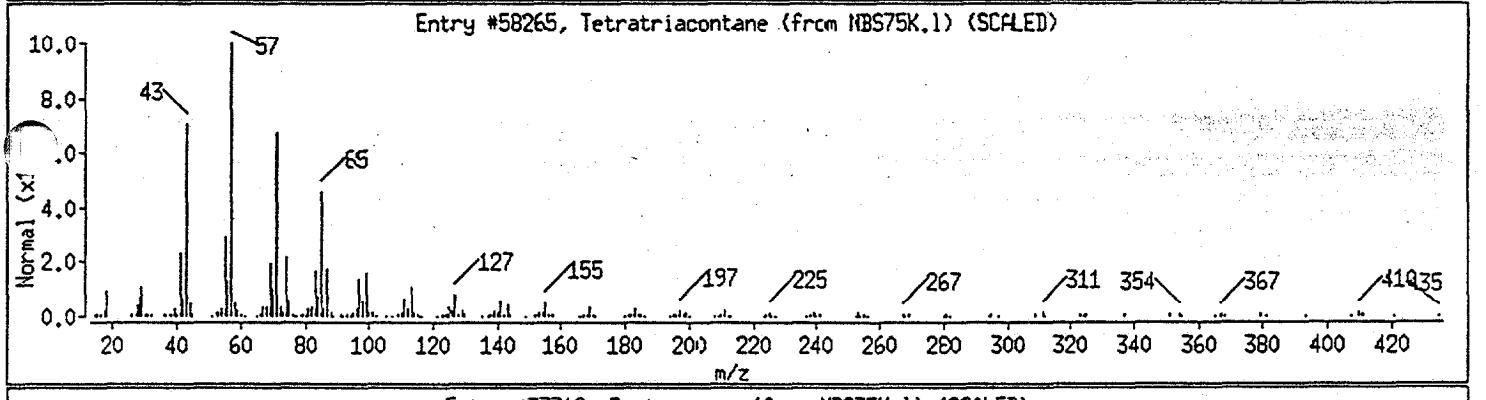


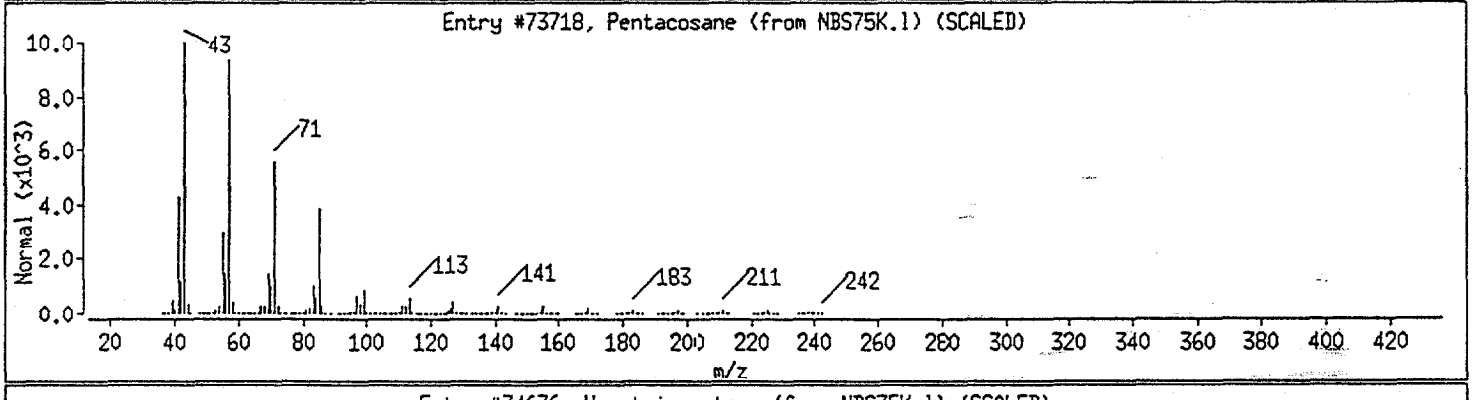


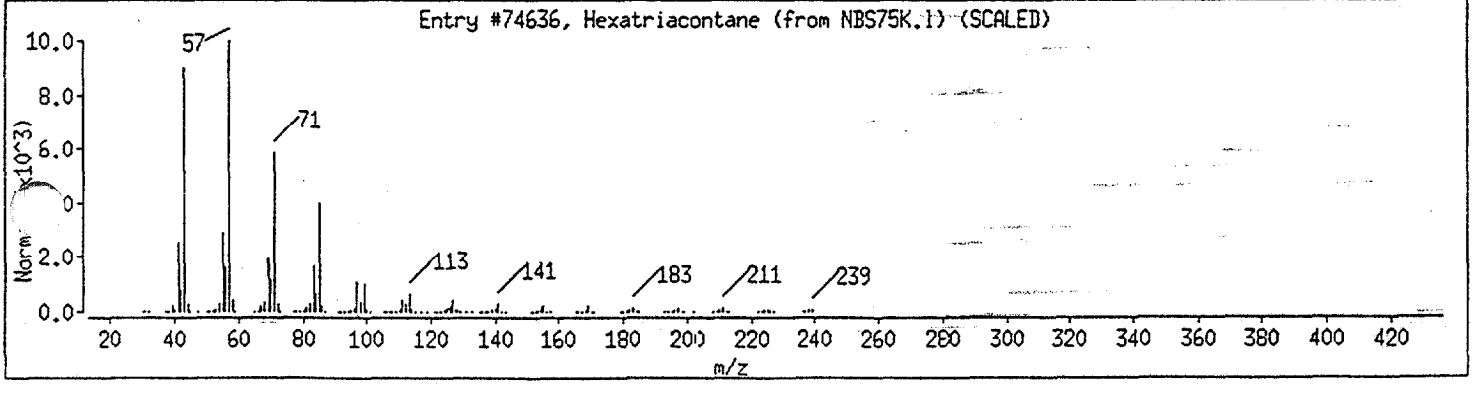
Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Tetratriacontane	14167-59-0	NBS75K.1	58265	91
Pentacosane	629-99-2	NBS75K.1	73718	91
Hexatriacontane	630-06-8	NBS75K.1	74636	91



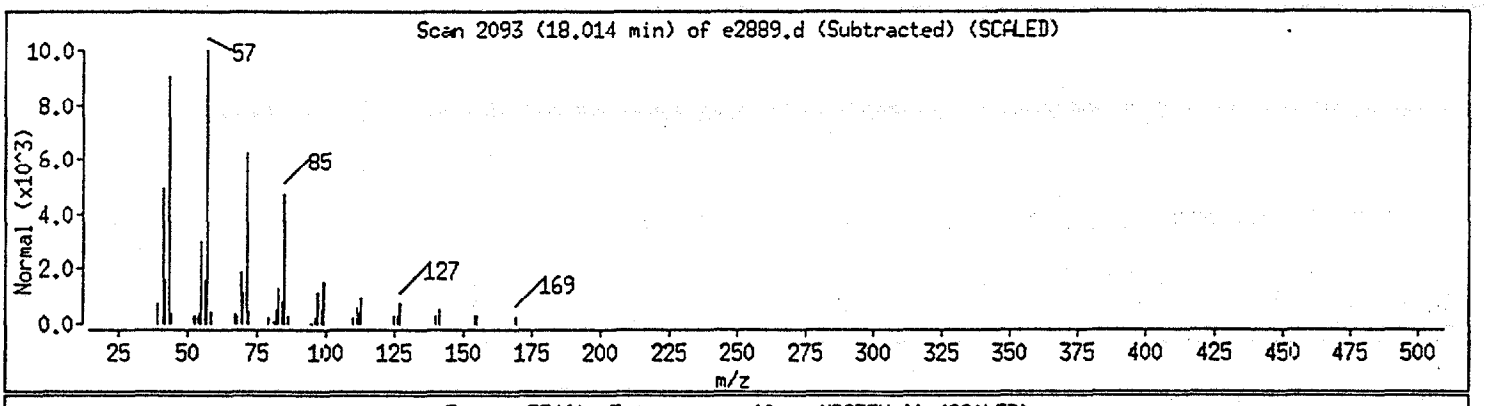


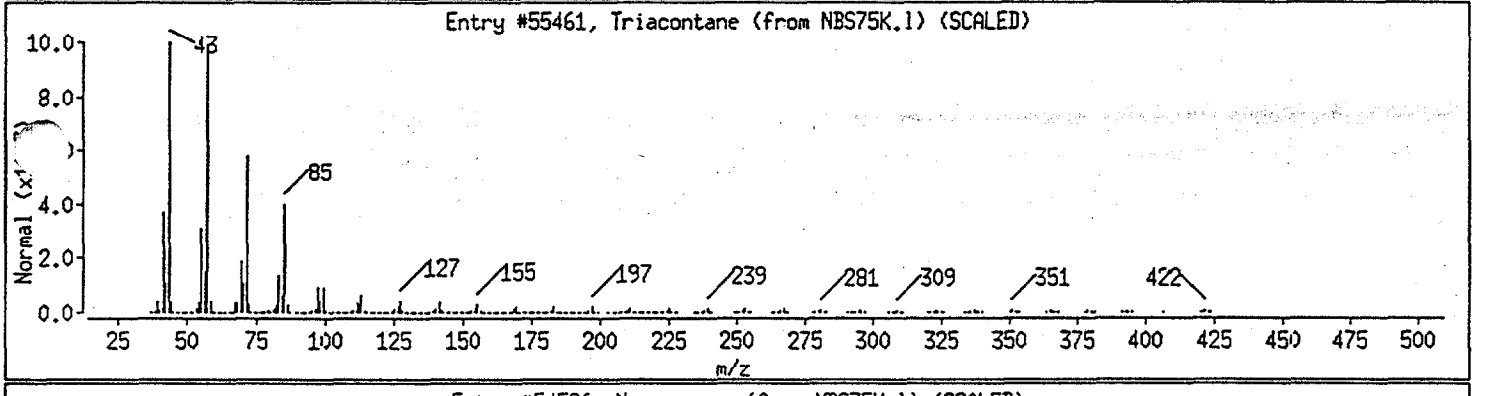


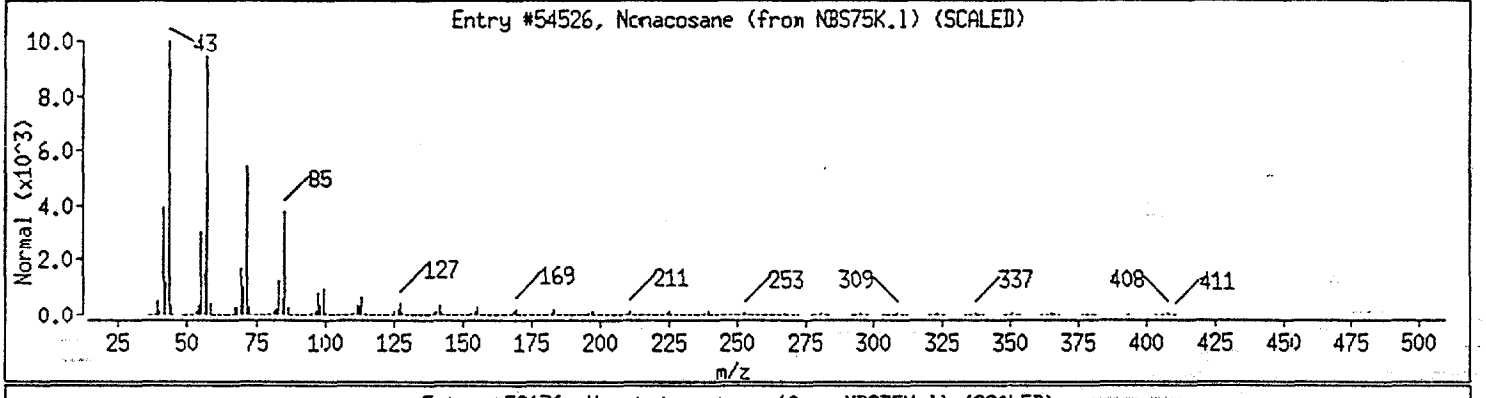


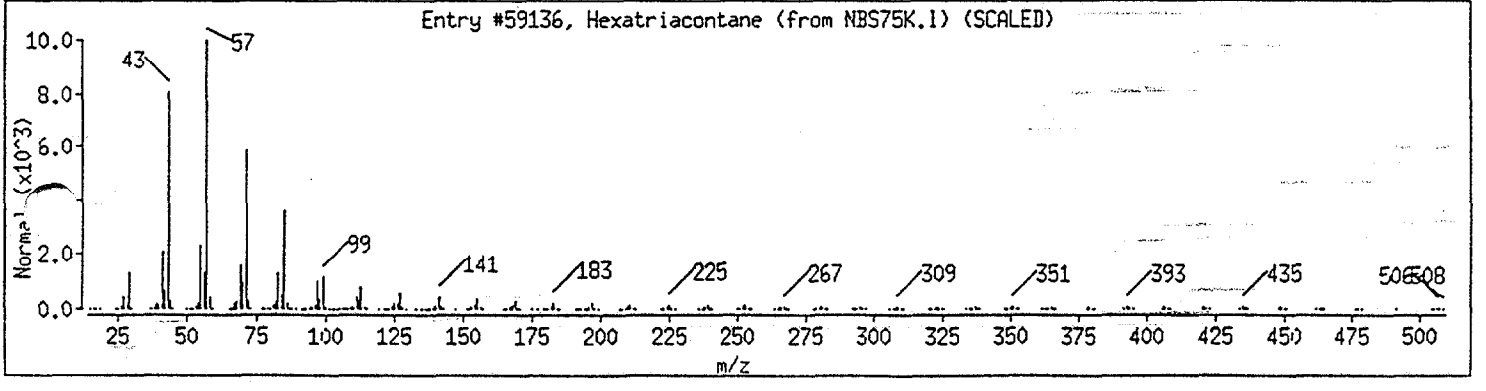
Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Triacontane	638-68-6	NBS75K.l	55461	91
Nonacosane	630-03-5	NBS75K.l	54526	91
Hexatriacontane	630-06-8	NBS75K.l	59136	91



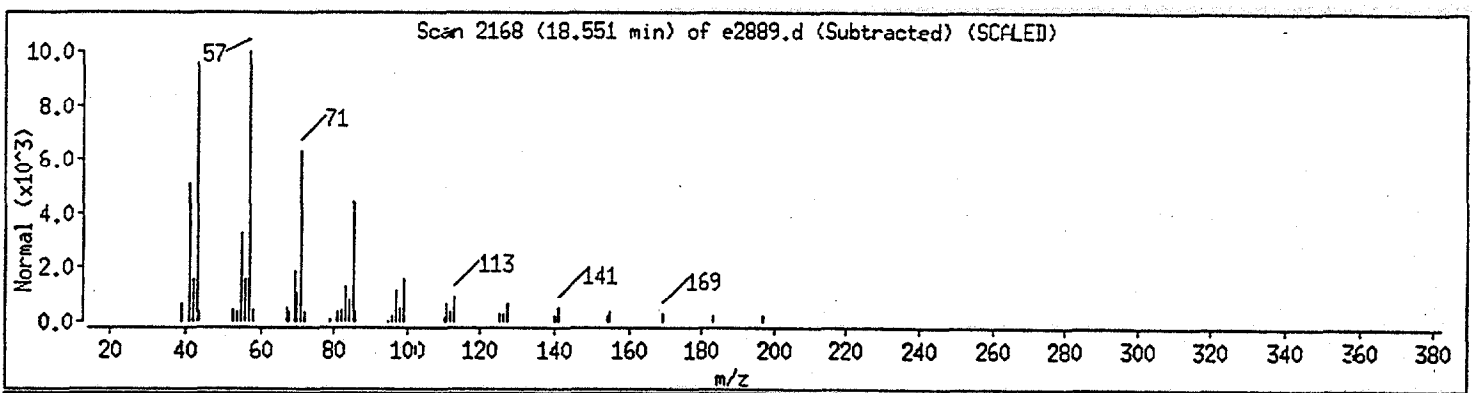


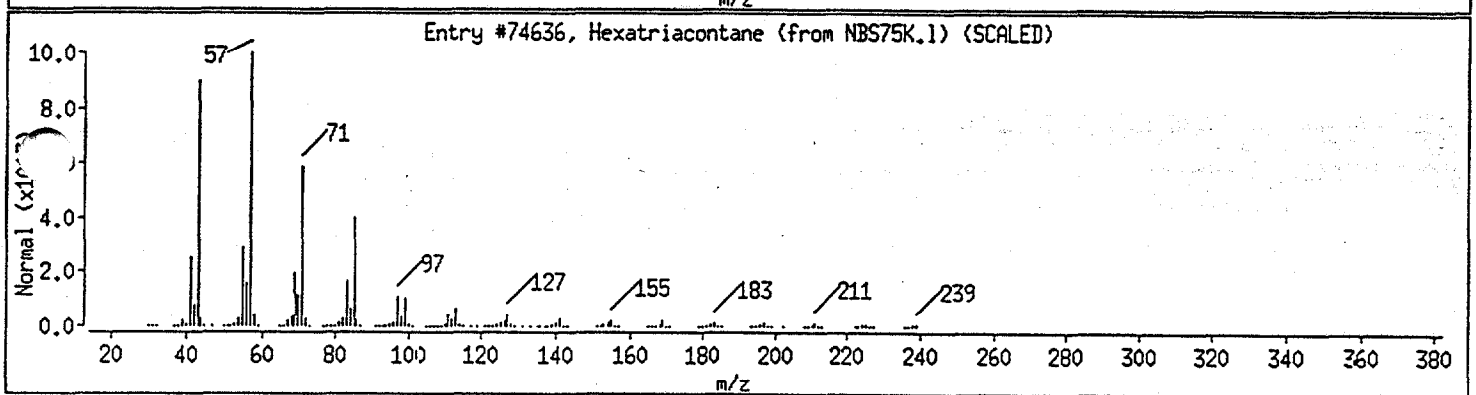


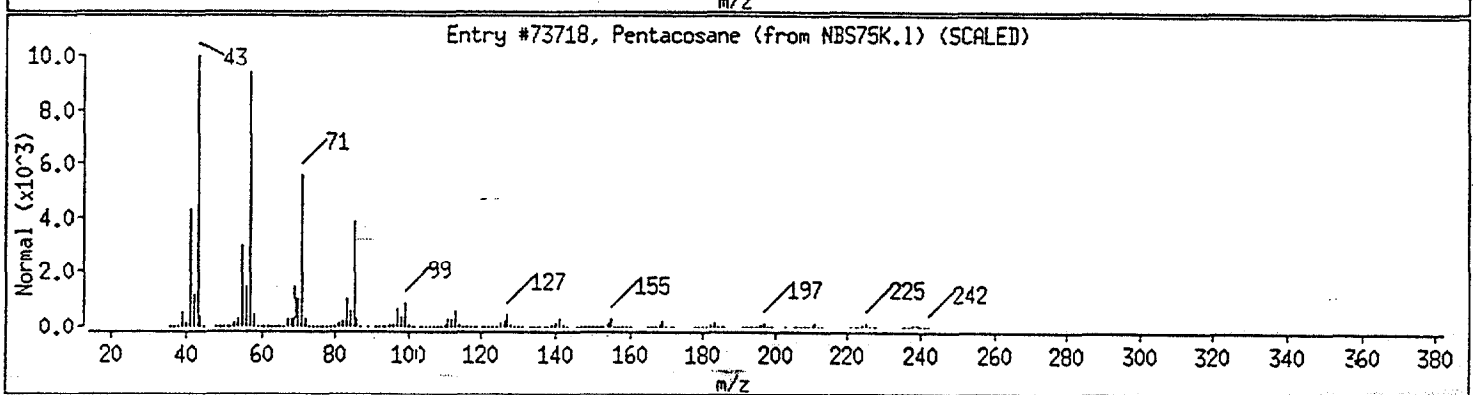


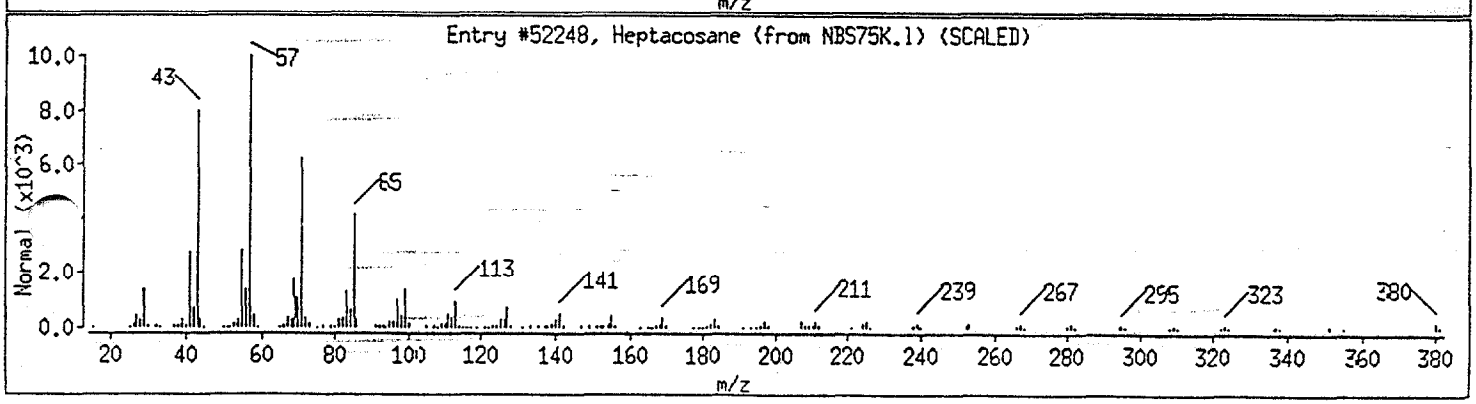
Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Hexatriacontane	630-06-8	NBS75K.1	74636	94
Pentacosane	629-99-2	NBS75K.1	73718	91
Heptacosane	593-49-7	NBS75K.1	52248	91



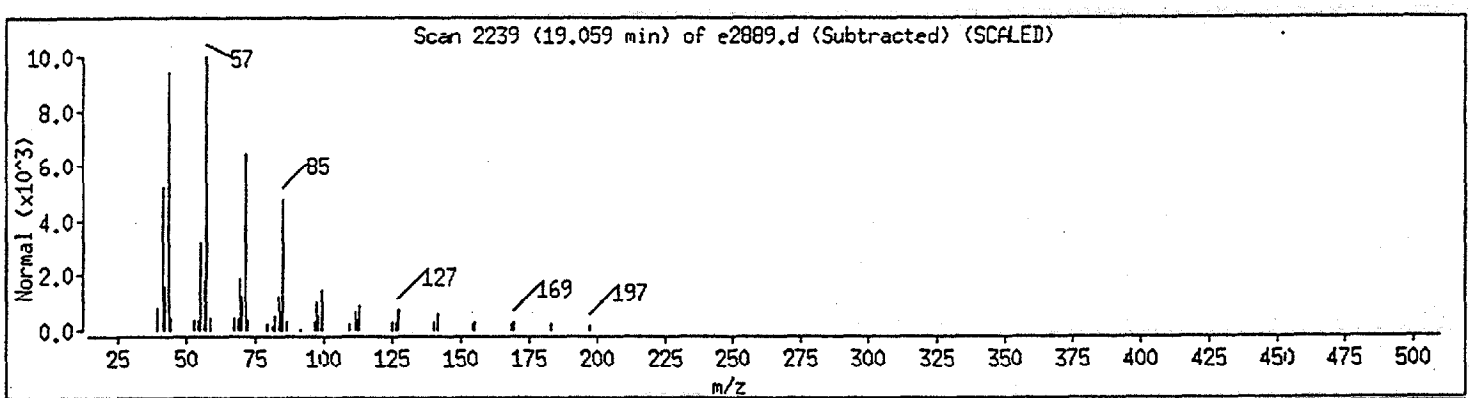


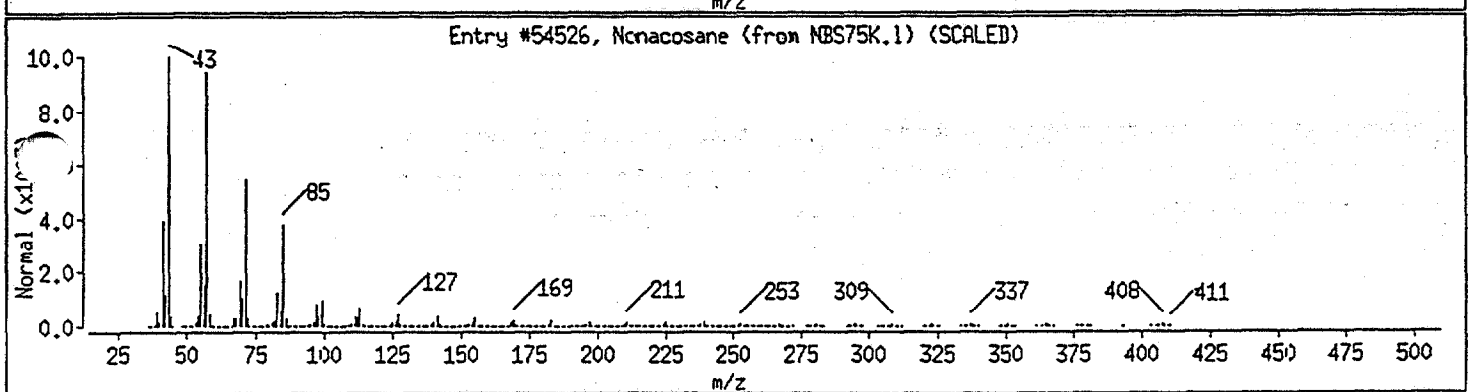


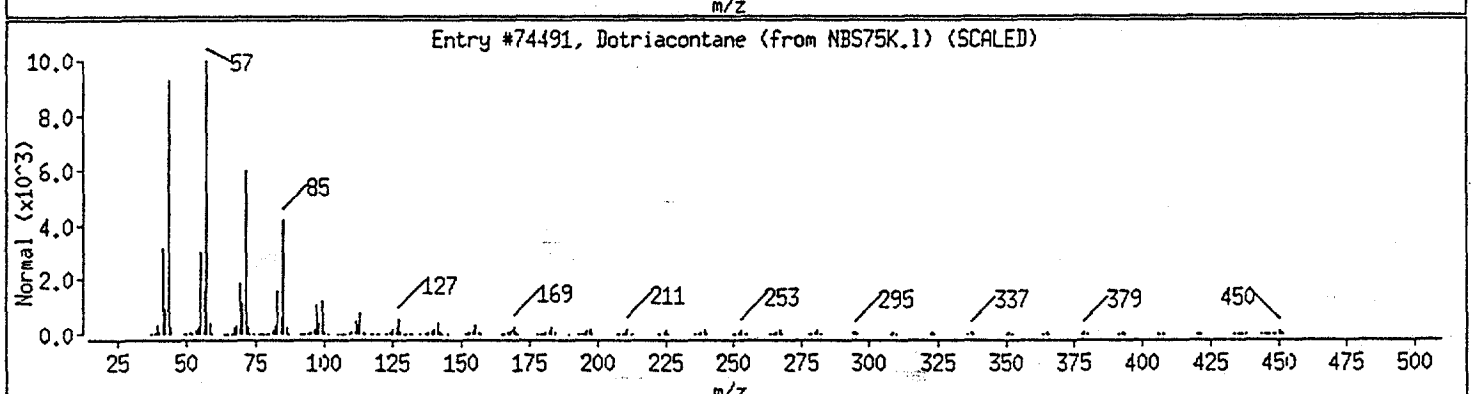


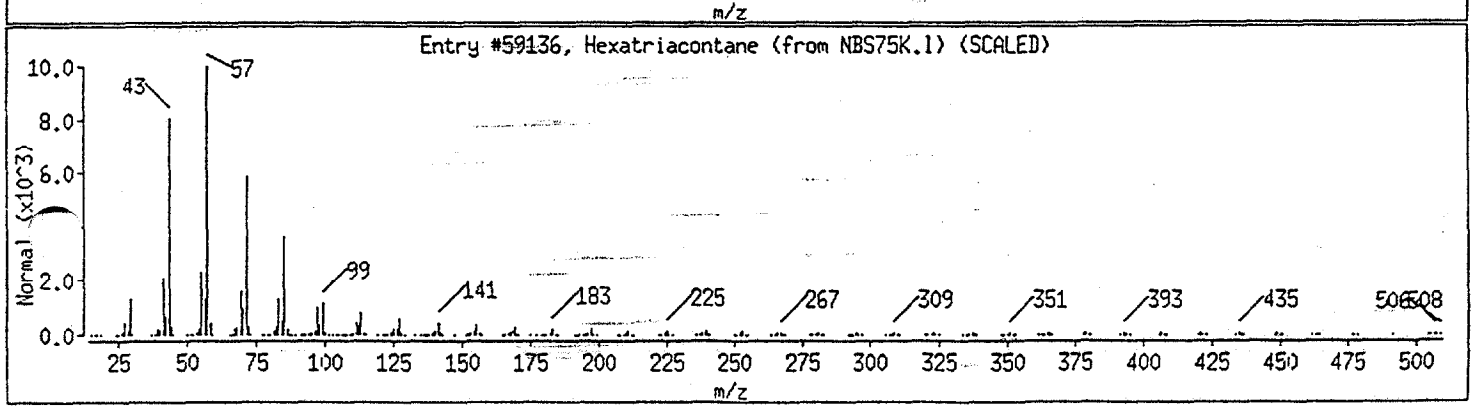
Data File: /chem/aux/mse.i/e111894.b/e2889.d
Date : 18-NOV-94 17:39
Instrument : mse.i
Sample ID : cljdws151
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Nonacosane	630-03-5	NBS75K.1	54526	91
Dotriacontane	544-85-4	NBS75K.1	74491	91
Hexatriacontane	630-06-8	NBS75K.1	59136	91









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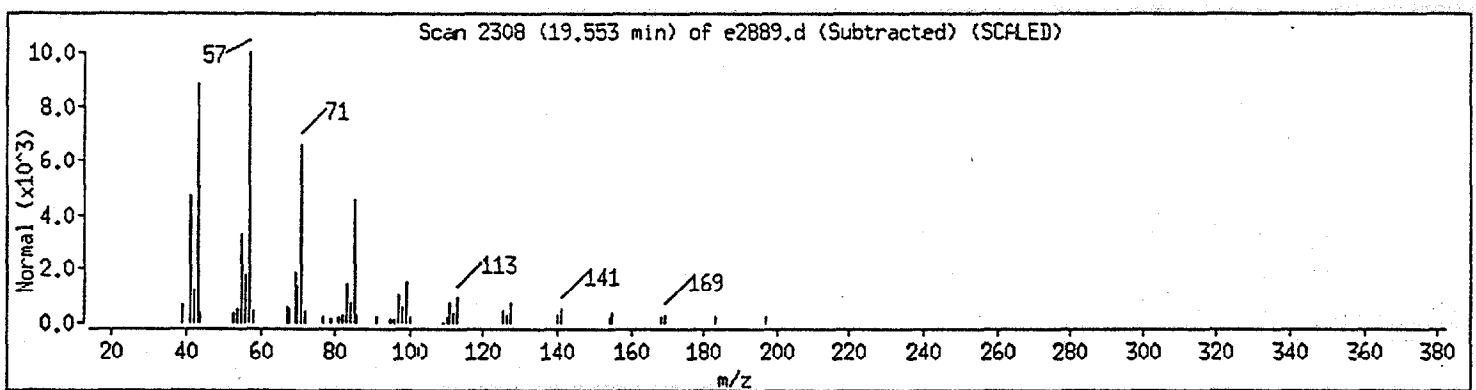
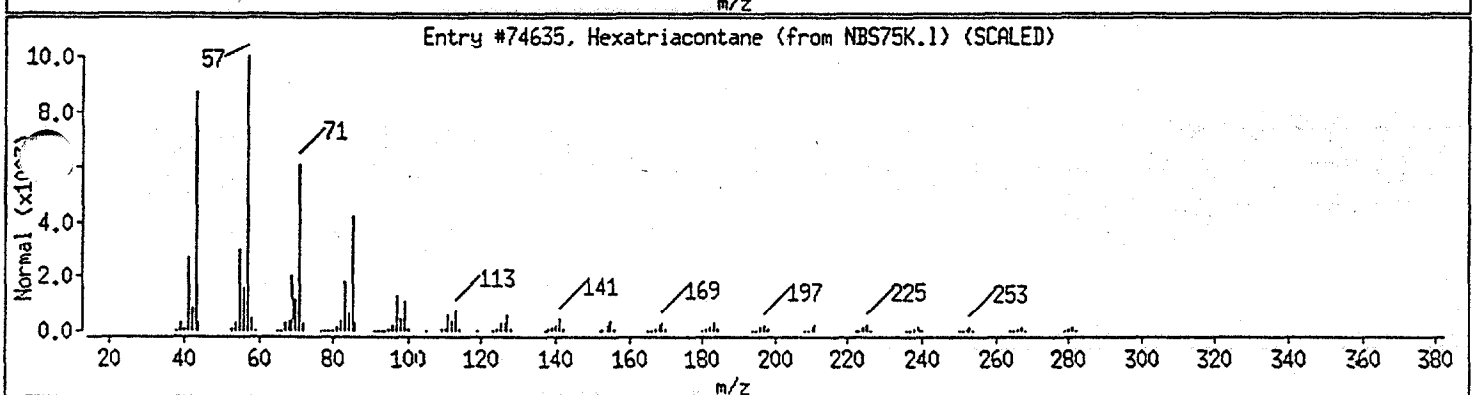
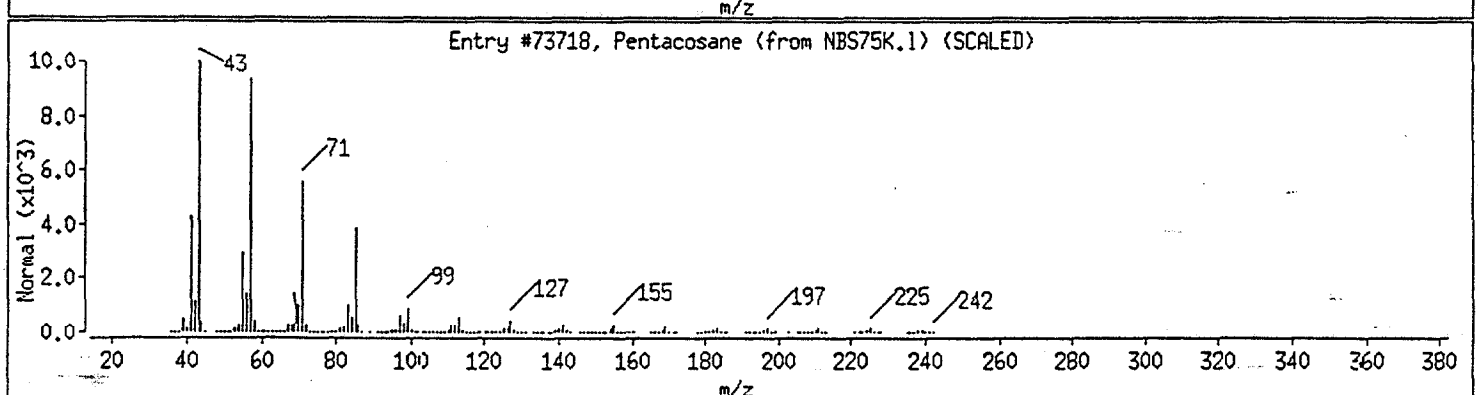
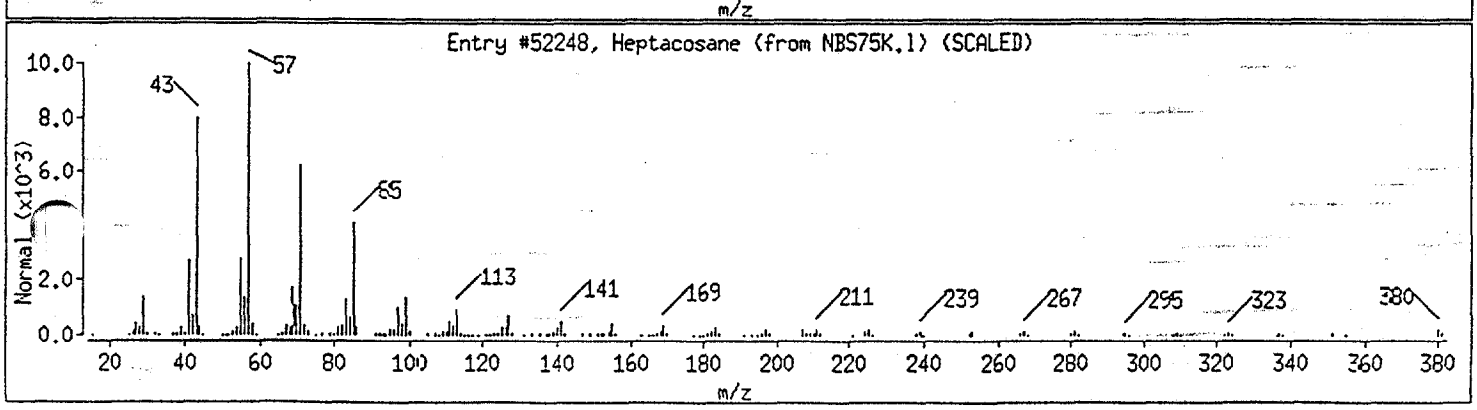
Pentacosane	629-99-2	NBS75K.1	73718	91
Heptacosane	593-49-7	NBS75K.1	52248	91









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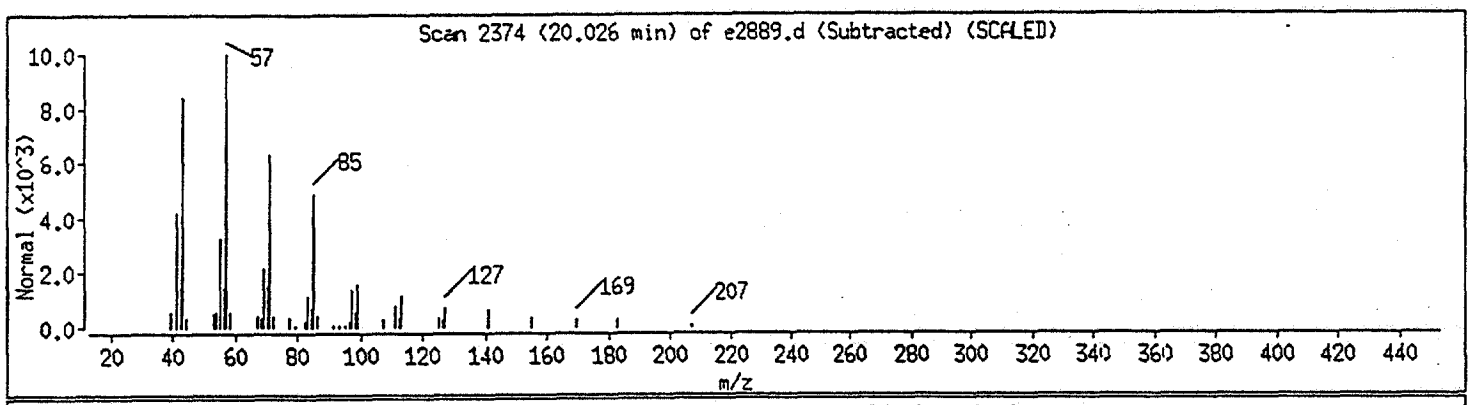
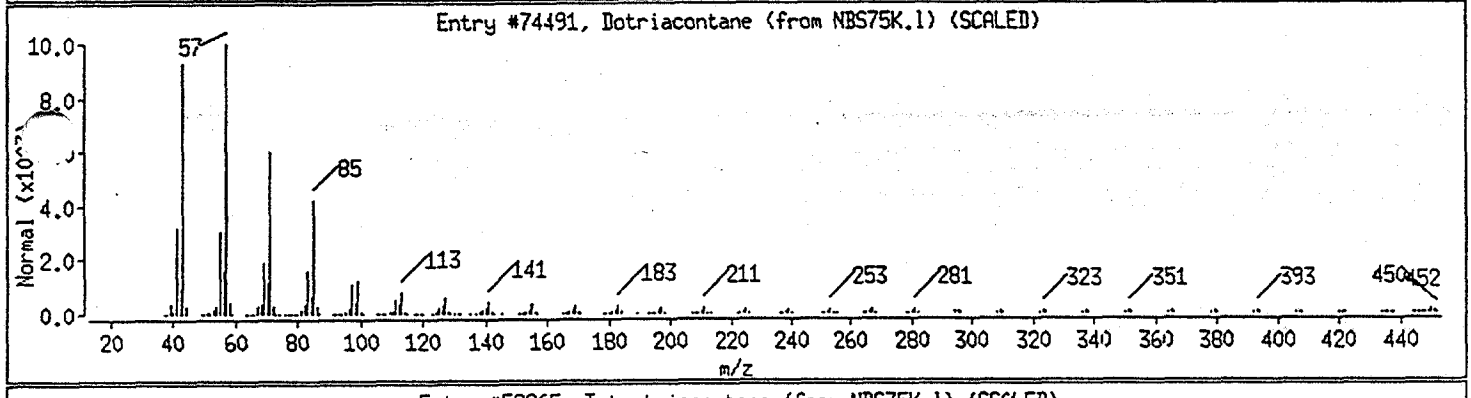
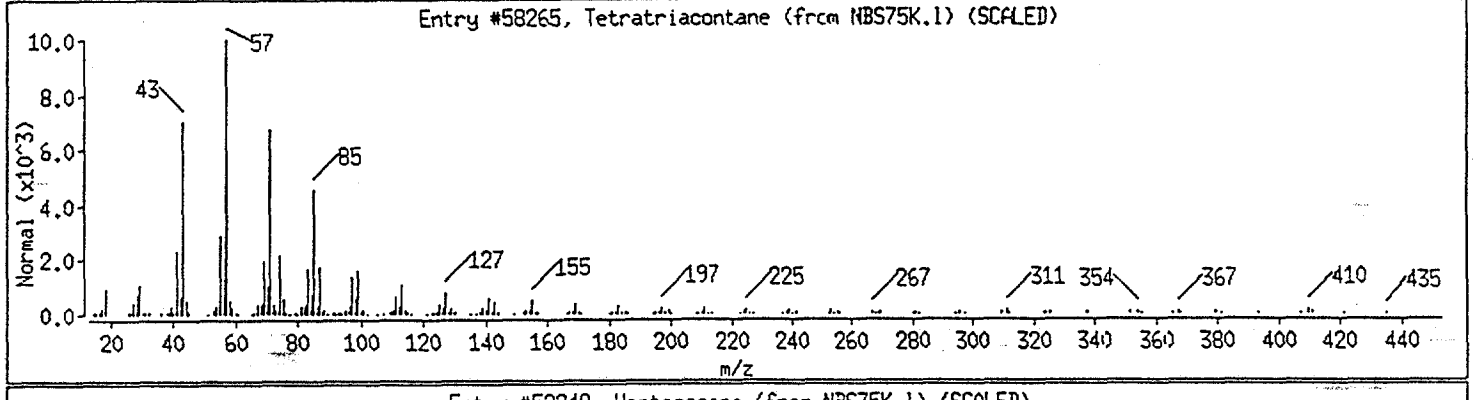
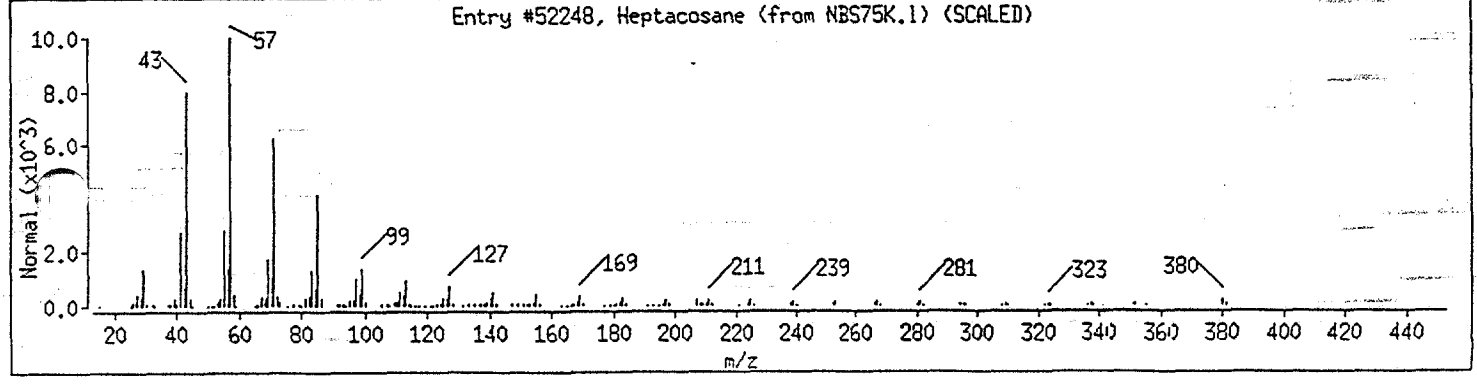
Heptacosane	593-49-7	NBS75K.1	52248	91









ORGANIC LIQUID SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK01	77	86	85	98	82	112			0
02	CLJDWS075	114 D	92 D	78 D	173 D	115 D	59 D			0
03	CLJDWS075MS	85 D	83 D	0 D	177 D	107 D	0 D			0
04	CLJDWS075MSD	0 D	89 D	0 D	184 D	118 D	62 D			0
05	SSPK01	74	90	78	118 *	81	104			1

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4		(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4		(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK01	75	74	107	92	85	126 *			1
02	SSPK01	79	83	82	112 *	87	113			1
03	CLJDWS102	0 D	0 D	0 D	0 D	0 D	0 D			0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4		(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4		(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-T~~ CLJDWS075

Level: (low/med) low

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK01	74	70	60	70	69	79			0
~~02~~	~~A01SS-51~~	~~63~~	~~66~~	~~67~~	~~66~~	~~63~~	~~82~~			~~0~~
~~03~~	~~A01SS-52~~	~~60~~	~~62~~	~~70~~	~~62~~	~~58~~	~~82~~			~~0~~
~~04~~	~~A01SS-53~~	~~66~~	~~66~~	~~66~~	~~65~~	~~62~~	~~75~~			~~0~~
~~05~~	~~A01SS-54~~	~~75~~	~~73~~	~~82~~	~~74~~	~~74~~	~~95~~			~~0~~
~~06~~	~~A05SS-56~~	~~68~~	~~65~~	~~68~~	~~65~~	~~65~~	~~83~~			~~0~~
~~07~~	~~A01SS-42~~	~~51~~	~~69~~	~~186 *~~	~~75~~	~~59~~	~~91~~			~~1~~
08	CLJDWS151	0 D	0 D	0 D	0 D	0 D	0 D			0
09	A01SS-79	56	78	102	81	60	130 *			1
~~10~~	~~A01SS-19~~	~~61~~	~~70~~	~~75~~	~~77~~	~~64~~	~~104~~			~~0~~
~~11~~	~~A01SS-41~~	~~71~~	~~80~~	~~98~~	~~88~~	~~73~~	~~122~~			~~0~~
~~12~~	~~A01SS-43~~	~~69~~	~~78~~	~~94~~	~~88~~	~~73~~	~~115~~			~~0~~
~~13~~	~~A01SS-44~~	~~71~~	~~77~~	~~94~~	~~85~~	~~71~~	~~106~~			~~0~~
~~14~~	~~A01SS-45~~	~~58~~	~~64~~	~~86~~	~~69~~	~~59~~	~~100~~			~~0~~
~~15~~	~~A01SS-46~~	~~66~~	~~72~~	~~87~~	~~80~~	~~68~~	~~96~~			~~0~~
~~16~~	~~A01SS-80~~	~~72~~	~~75~~	~~94~~	~~84~~	~~71~~	~~104~~			~~0~~
~~17~~	~~A01SS-49~~	~~61~~	~~69~~	~~86~~	~~74~~	~~63~~	~~95~~			~~0~~
	~~A01SS-50~~	~~73~~	~~88~~	~~111~~	~~95~~	~~77~~	~~120~~			~~0~~
~~19~~	~~A01SS-77~~	~~71~~	~~83~~	~~103~~	~~88~~	~~70~~	~~119~~			~~0~~
~~20~~	~~A01SS-78~~	~~61~~	~~72~~	~~91~~	~~77~~	~~64~~	~~108~~			~~0~~
~~21~~	~~A01SS-47~~	~~82~~	~~71~~	~~97~~	~~99~~	~~87~~	~~67~~			~~0~~
22	SSPK01	73	66	69	68	75	77			0
23	A01SS-79MS	53	61	100	59	54	83			0
24	A01SS-79MSD	57	58	68	59	58	70			0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 1,2,4,5-Tetrachlorobenz		(advisory)
S8 (DCB)	= 1-Methylnaphthalene-d10		(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

30

ORGANIC LIQUID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLIACATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix Spike - EPA Sample No.: CLJDWS075

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC LIMITS REC.
Phenol	160000	0	0	0	*	30-130
2-Chlorophenol	160000	0	0	0	*	30-130
1,4-Dichlorobenzene	110000	0	0	0	*	30-130
1,2,4-Trichlorobenzene	100000	0	0	0	*	30-130
Acenaphthene	100000	0	0	0	*	30-130
4-Nitrophenol	160000	0	0	0	*	30-130
2,4-Dinitrotoluene	110000	0	0	0	*	30-130
Pentachlorophenol	160000	0	0	0	*	30-130
Pyrene	100000	0	0	0	*	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	180000	0	~~84000~~	*	0		20	30-130
2-Chlorophenol	180000	0	~~1460~~	*	0		20	30-130
1,4-Dichlorobenzene	120000	0	~~1370~~	*	0		20	30-130
1,2,4-Trichlorobenzene	120000	0	0	*	0		20	30-130
Acenaphthene	120000	0	0	*	0		20	30-130
4-Nitrophenol	180000	0	0	*	0		20	30-130
2,4-Dinitrotoluene	120000	0	~~3260~~	*	0		20	30-130
Pentachlorophenol	180000	0	0	*	0		20	30-130
Pyrene	120000	0	0	*	0		20	30-130

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 18 out of 18 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: ~~15629N~~ 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix Spike - EPA Sample No.: A01SS-79 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2500	0	1400	59	30-130
2-Chlorophenol	2500	0	1400	57	30-130
1,4-Dichlorobenzene	1600	0	880	54	30-130
N-Nitroso-di-n-propylami	1600	0	1000	63	41-126
1,2,4-Trichlorobenzene	1600	0	870	53	30-130
4-Chloro-3-methylphenol	2500	0	2000	80	30-130
Acenaphthene	1600	0	1100	67	30-130
4-Nitrophenol	2500	0	2400	96	30-130
2,4-Dinitrotoluene	1600	0	1300	81	30-130
Pentachlorophenol	2500	0	2800	112	30-130
Pyrene	1600	0	1800	113	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1700	68	14	20	30-130
2-Chlorophenol	2500	1700	67	17	20	30-130
1,4-Dichlorobenzene	1600	990	61	13	20	30-130
N-Nitroso-di-n-propylami	1600	1200	76	19	38	41-126
1,2,4-Trichlorobenzene	1600	1000	64	18	20	30-130
4-Chloro-3-methylphenol	2500	2000	81	2	20	30-130
Acenaphthene	1600	1100	69	4	20	30-130
4-Nitrophenol	2500	2400	98	1	20	30-130
2,4-Dinitrotoluene	1600	1400	84	4	20	30-130
Pentachlorophenol	2500	2700	111	.6	20	30-130
Pyrene	1600	1400	86	27 *	20	30-130

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

30

ORGANIC LIQUID SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226.N SAS No.: N/A SDG No.: CLJDW5075

Matrix Spike - EPA Sample No.: SSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC	#	QC LIMITS REC.
Phenol	190000	0	320000	169	*	30-130
2-Chlorophenol	190000	0	280000	149	*	30-130
1,4-Dichlorobenzene	130000	0	130000	107		30-130
1,2,4-Trichlorobenzene	130000	0	150000	123		30-130
Acenaphthene	130000	0	140000	108		30-130
4-Nitrophenol	190000	0	210000	112		30-130
2,4-Dinitrotoluene	130000	0	120000	94		30-130
Pentachlorophenol	190000	0	400000	215	*	30-130
Pyrene	130000	0	140000	111		30-130

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 3 out of 9 outside limits

COMMENTS: _____

3D
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLTD05075

Matrix Spike - EPA Sample No.: SSPK01

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC	#	QC LIMITS REC.
Phenol	75	0	110	151	*	30-130
2-Chlorophenol	75	0	110	141	*	30-130
1,4-Dichlorobenzene	50	0	40	80		30-130
1,2,4-Trichlorobenzene	50	0	42	84		30-130
Acenaphthene	50	0	52	104		30-130
4-Nitrophenol	75	0	99	133	*	30-130
2,4-Dinitrotoluene	50	0	51	102		30-130
Pentachlorophenol	75	0	170	221	*	30-130
Pyrene	50	0	61	121		30-130

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 4 out of 9 outside limits

COMMENTS: _____

3C
SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: ~~15629N~~ 15826N SAS No.: N/A SDG No.: ~~A4155-1~~ CLJ DW5075

Matrix Spike - EPA Sample No.: SSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
Phenol	2500	0	1700	69	30-130
2-Chlorophenol	2500	0	1800	74	30-130
1,4-Dichlorobenzene	1700	0	1200	74	30-130
N-Nitroso-di-n-propylami	1700	0	1300	81	30-130
1,2,4-Trichlorobenzene	1700	0	1200	72	30-130
4-Chloro-3-methylphenol	2500	0	2000	79	30-130
Acenaphthene	1700	0	1200	69	30-130
4-Nitrophenol	2500	0	2400	97	30-130
2,4-Dinitrotoluene	1700	0	1400	86	30-130
Pentachlorophenol	2500	0	2900	116	30-130
Pyrene	1700	0	1300	79	30-130

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS: _____

00288

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 5220N SAS No.: N/A SDG No.: CLJDWS075

Lab File ID: E2929 Lab Sample ID: N4C41685C

Instrument ID: SE Date Extracted: 11/14/94

Matrix: (soil/water) SOIL Date Analyzed: 11/21/94

Level: (low/med) LOW Time Analyzed: 19:19

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	CLJDWS075	JN4743C	E2931	11/21/94
02	CLJDWS075MS	JN4743CS	E2932	11/21/94
03	CLJDWS075MSD	JN4743CR	E2933	11/21/94
04	SSPK01	N4C41685CS	E2945	11/22/94

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Lab File ID: E2922 Lab Sample ID: N1C41682C

Instrument ID: SE Date Extracted: 11/14/94

Matrix: (soil/water) WATER Date Analyzed: 11/21/94

Level: (low/med) LOW Time Analyzed: 15:18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SSPK01	N1C41682CS	E2923	11/21/94
02	CLJDWS102	JN4741C	E2944	11/22/94

COMMENTS:

00290

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: ~~15290~~ 15726N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDWS075

Lab File ID: B4988 Lab Sample ID: N2C41672C

Instrument ID: MSB.L Date Extracted: 11/11/94

Matrix: (soil/water) SOIL Date Analyzed: 11/18/94

Level: (low/med) LOW Time Analyzed: 12:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
~~01~~	~~A01SS-51~~	~~JN4619C~~	~~B4992~~	~~11/18/94~~
~~02~~	~~A01SS-52~~	~~JN4620C~~	~~B4993~~	~~11/18/94~~
~~03~~	~~A01SS-53~~	~~JN4621C~~	~~B4994~~	~~11/18/94~~
~~04~~	~~A01SS-54~~	~~JN4622C~~	~~B4995~~	~~11/18/94~~
~~05~~	~~A05SS-56~~	~~JN4623C~~	~~B4996~~	~~11/18/94~~
~~06~~	~~A01SS-42~~	~~JN4448C~~	~~E2880~~	~~11/18/94~~
07	CLJDWS151	JN4742C	E2889	11/18/94
08	A01SS-79	JN4445C	E2894	11/20/94
~~09~~	~~A01SS-19~~	~~JN4446C~~	~~E2895~~	~~11/20/94~~
~~10~~	~~A01SS-41~~	~~JN4447C~~	~~E2896~~	~~11/20/94~~
~~11~~	~~A01SS-43~~	~~JN4449C~~	~~E2897~~	~~11/20/94~~
~~12~~	~~A01SS-44~~	~~JN4450C~~	~~E2898~~	~~11/20/94~~
~~13~~	~~A01SS-45~~	~~JN4451C~~	~~E2899~~	~~11/20/94~~
~~14~~	~~A01SS-46~~	~~JN4452C~~	~~E2900~~	~~11/20/94~~
~~15~~	~~A01SS-80~~	~~JN4456C~~	~~E2901~~	~~11/20/94~~
~~16~~	~~A01SS-49~~	~~JN4617C~~	~~E2903~~	~~11/20/94~~
~~17~~	~~A01SS-50~~	~~JN4618C~~	~~E2904~~	~~11/20/94~~
~~18~~	~~A01SS-77~~	~~JN4454C~~	~~E2905~~	~~11/20/94~~
~~19~~	~~A01SS-78~~	~~JN4455C~~	~~E2906~~	~~11/20/94~~
~~20~~	~~A01SS-47~~	~~JN4453C~~	~~E2908~~	~~11/20/94~~
21	SSPK01	N2C41672CS	B4989	11/18/94
22	A01SS-79MS	JN4445CS	B4990	11/18/94
23	A01SS-79MSD	JN4445CR	B4991	11/18/94

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15224-N SAS No.: N/A SDG No.: CLJD05072

Lab File ID: E2598 DFTPP Injection Date: 11/03/94

Instrument ID: MSE.E DFTPP Injection Time: 07:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.3
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	56.9
70	Less than 2.0% of mass 69	0 (0)
127	25.0 - 75.0% of mass 198	43.8
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.0
365	Greater than 0.75% of mass 198	4.33
441	Present, but less than mass 443	5
442	40.0 - 110.0% of mass 198	58.8
443	15.0 - 24.0% of mass 442	11.0 (18.7)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD20	SSTD20	E2600	11/03/94	09:31
02	SSTD50	SSTD50	E2601		10:07
03	SSTD80	SSTD80	E2602		10:42
04	SSTD120	SSTD120	E2603		11:17
05	SSTD160	SSTD160	E2604		11:52
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/aux/mse.i/e1103c94.b/e2598.d

Date : 03-NOV-94 07:20

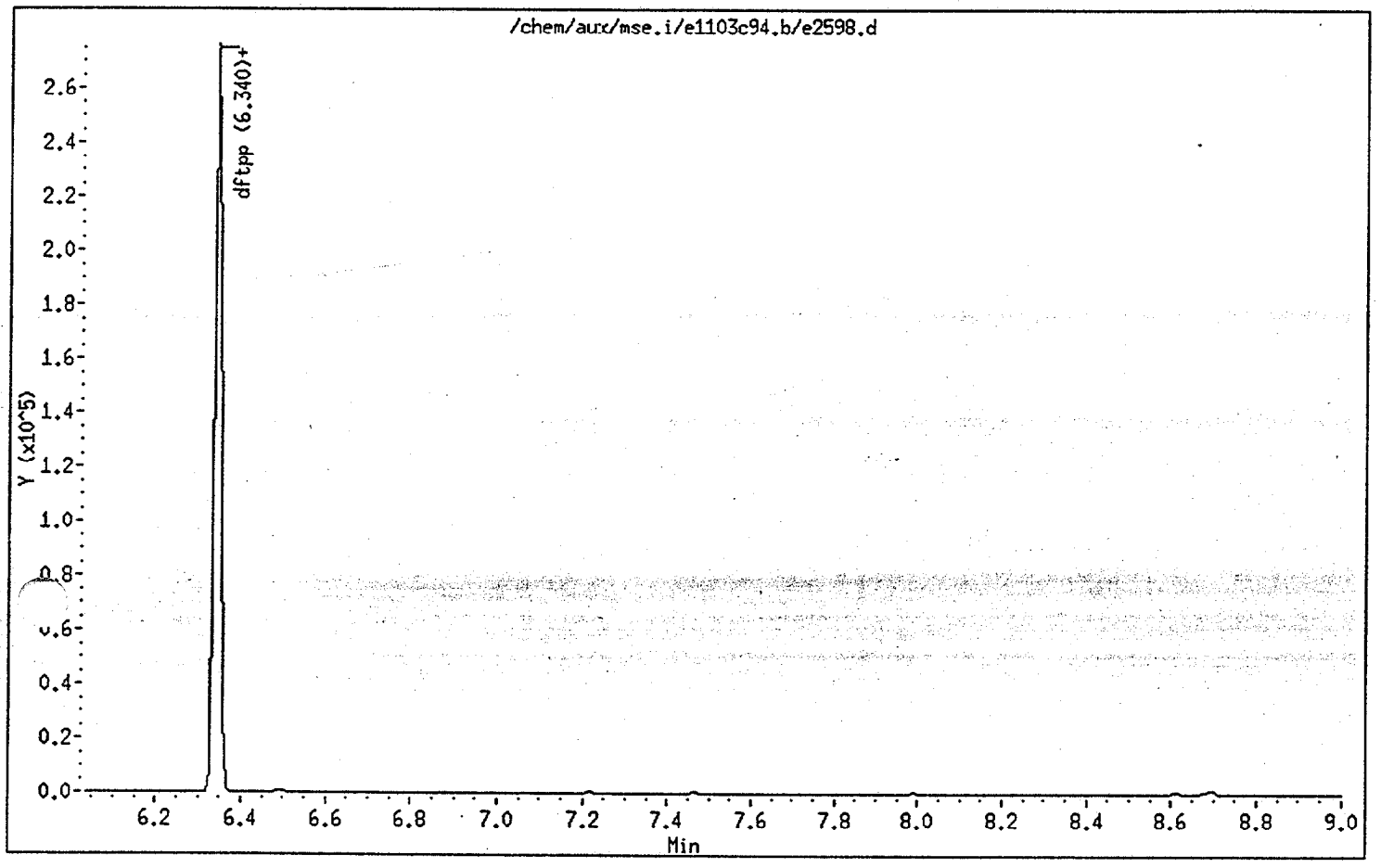
Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/mse.i/e1103c94.b/e2598.d

Date : 03-NOV-94 07:20

Instrument : mse.i

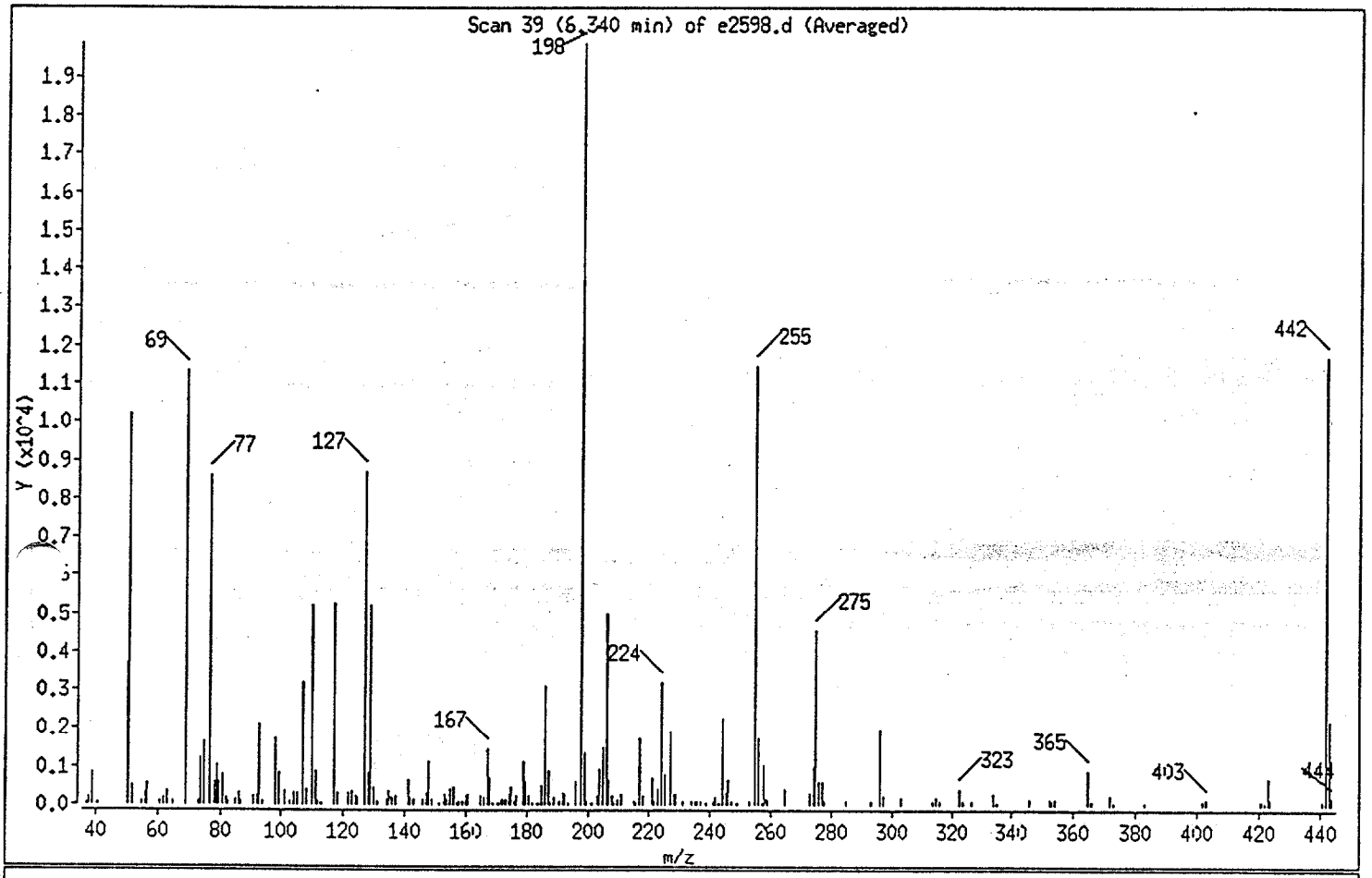
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	51.3
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	56.9
70	Less than 2.00% of mass 69	0.0
127	25.00 - 75.00% of mass 198	43.8
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	23.0
365	Greater than 0.75% of mass 198	4.4
441	Present, but less than mass 443	4.6
442	40.00 - 110.00% of mass 198	58.8
443	15.00 - 24.00% of mass 442	18.7

Data File: /chem/aux/mse.i/e1103c94.b/e2598.d

Date : 03-NOV-94 07:20

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 39-41 (6.340 min), Subtraction Scan 36

Location of Maximum: 198.00

Number of points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	36	123.00	389	186.00	3121	249.00	40
38.00	174	124.00	233	187.00	908	253.00	88
39.00	825	125.00	167	188.00	56	255.00	11462
41.00	41	127.00	8711	189.00	208	256.00	1720
50.00	3707	128.00	853	191.00	88	257.00	69
51.00	10203	129.00	5196	192.00	337	258.00	1022
52.00	537	130.00	458	193.00	301	259.00	118
55.00	91	131.00	80	194.00	38	265.00	426
56.00	308	134.00	143	196.00	589	273.00	351
57.00	569	135.00	374	198.00	19884	274.00	992
61.00	86	136.00	172	199.00	1351	275.00	4564
62.00	174	137.00	232	200.00	92	276.00	618
63.00	354	141.00	659	202.00	36	277.00	602
65.00	107	142.00	209	203.00	216	278.00	71
69.00	11320	143.00	133	204.00	940	285.00	82
73.00	73	146.00	125	205.00	1491	293.00	90
74.00	1230	147.00	331	206.00	4971	296.00	1957
75.00	1665	148.00	1123	207.00	674	297.00	258
77.00	8604	149.00	161	208.00	255	303.00	173
78.00	617	151.00	33	209.00	70	314.00	80
79.00	1036	153.00	263	210.00	122	315.00	195
80.00	609	154.00	143	211.00	277	316.00	93
81.00	819	155.00	400	215.00	81	323.00	436
82.00	184	156.00	489	216.00	43	324.00	94
83.00	105	157.00	43	217.00	1762	327.00	110
85.00	118	158.00	101	218.00	252	334.00	285
86.00	321	159.00	115	221.00	687	335.00	50
87.00	98	160.00	220	222.00	117	346.00	135
91.00	227	161.00	282	223.00	412	352.00	135
92.00	266	165.00	253	224.00	3190	353.00	100
93.00	2132	166.00	183	225.00	792	354.00	139
94.00	73	167.00	1471	227.00	1918	365.00	871
98.00	1752	168.00	711	228.00	271	366.00	114
99.00	869	169.00	54	229.00	280	372.00	246
101.00	380	171.00	38	231.00	100	373.00	34

Data File: /chem/aux/mse.i/e1103c94.b/e2598.d

Date : 03-NOV-94 07:20

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 39-41 (6.340 min), Subtraction Scan 36
Location of Maximum: 198.00
Number of points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	73	172.00	127	234.00	100	383.00	41
104.00	315	173.00	153	235.00	101	402.00	109
105.00	314	174.00	268	236.00	96	403.00	124
107.00	3216	175.00	476	237.00	103	421.00	98
108.00	446	176.00	104	239.00	35	422.00	44
110.00	5239	177.00	229	241.00	99	423.00	687
111.00	893	179.00	1109	242.00	186	424.00	149
112.00	95	180.00	610	243.00	40	441.00	101
113.00	38	181.00	247	244.00	2258	442.00	11683
117.00	5288	182.00	34	245.00	335	443.00	2186
118.00	312	184.00	55	246.00	663	444.00	211
122.00	308	185.00	508	247.00	105		

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15226N~~ ~~15229N~~ SAS No.: N/A SDG No.: CLJDWS07E ~~A0455~~

Lab File ID: E2871 DFTPP Injection Date: 11/18/94

Instrument ID: MSE. I DFTPP Injection Time: 07:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	52.3
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	51.5
70	Less than 2.0% of mass 69	0 (0)
127	25.0 - 75.0% of mass 198	44.5
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.6
365	Greater than 0.75% of mass 198	4.72
441	Present, but less than mass 443	47
442	40.0 - 110.0% of mass 198	44.0
443	15.0 - 24.0% of mass 442	8.3 (18.9)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	E2872	11/18/94	07:52
02	A0455-42	JN4448C	E2880	↓	12:36
03	CLJDWS151	JN4742C	E2889	↓	17:39
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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16					
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19					
20					
21					
22					

Data File: /chem/aux/mse.i/e111894.b/e2871.d

Date : 18-NOV-94 07:37

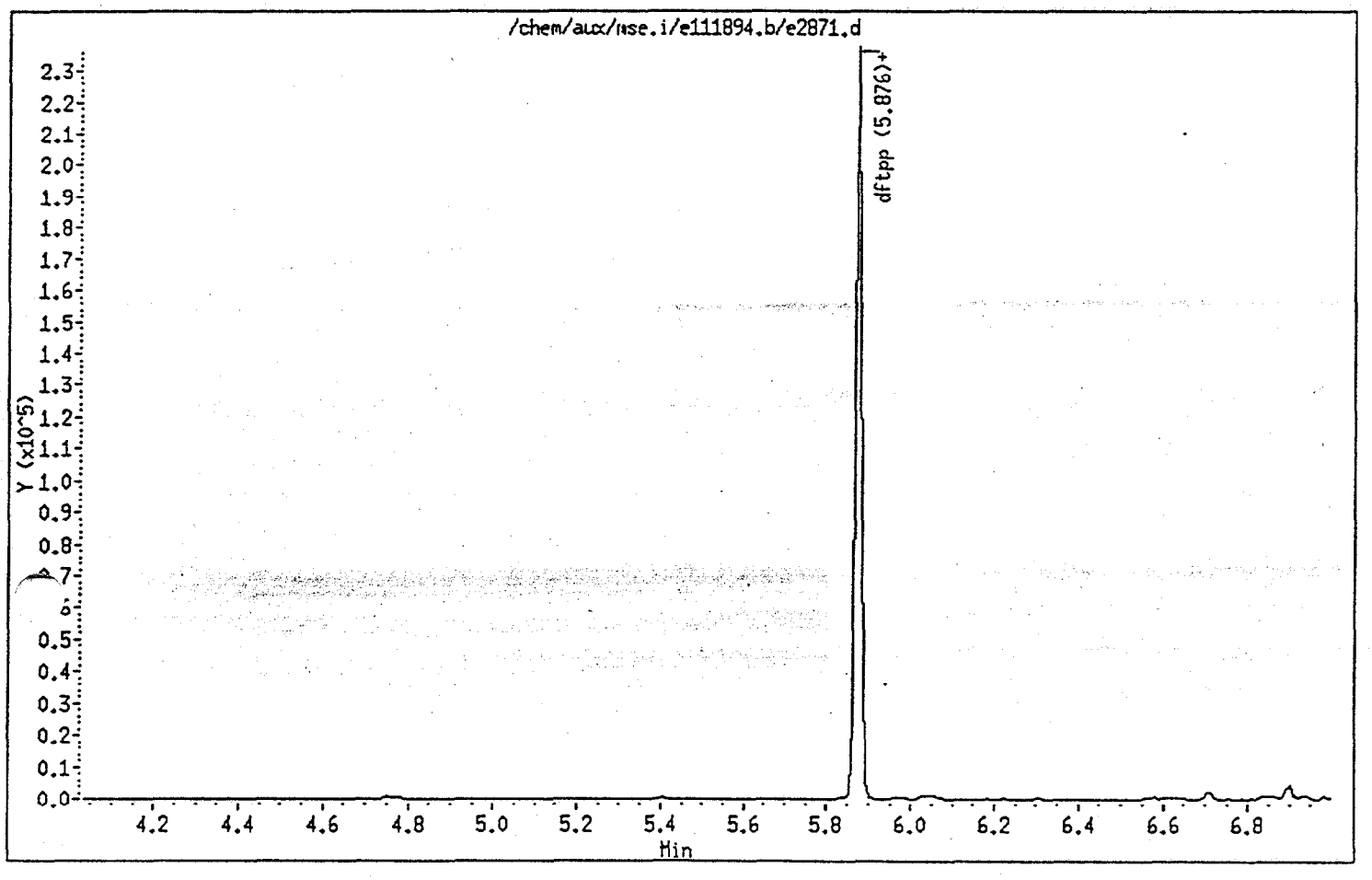
Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/mse.i/e111894.b/e2871.d

Date : 18-NOV-94 07:37

Instrument : mse.i

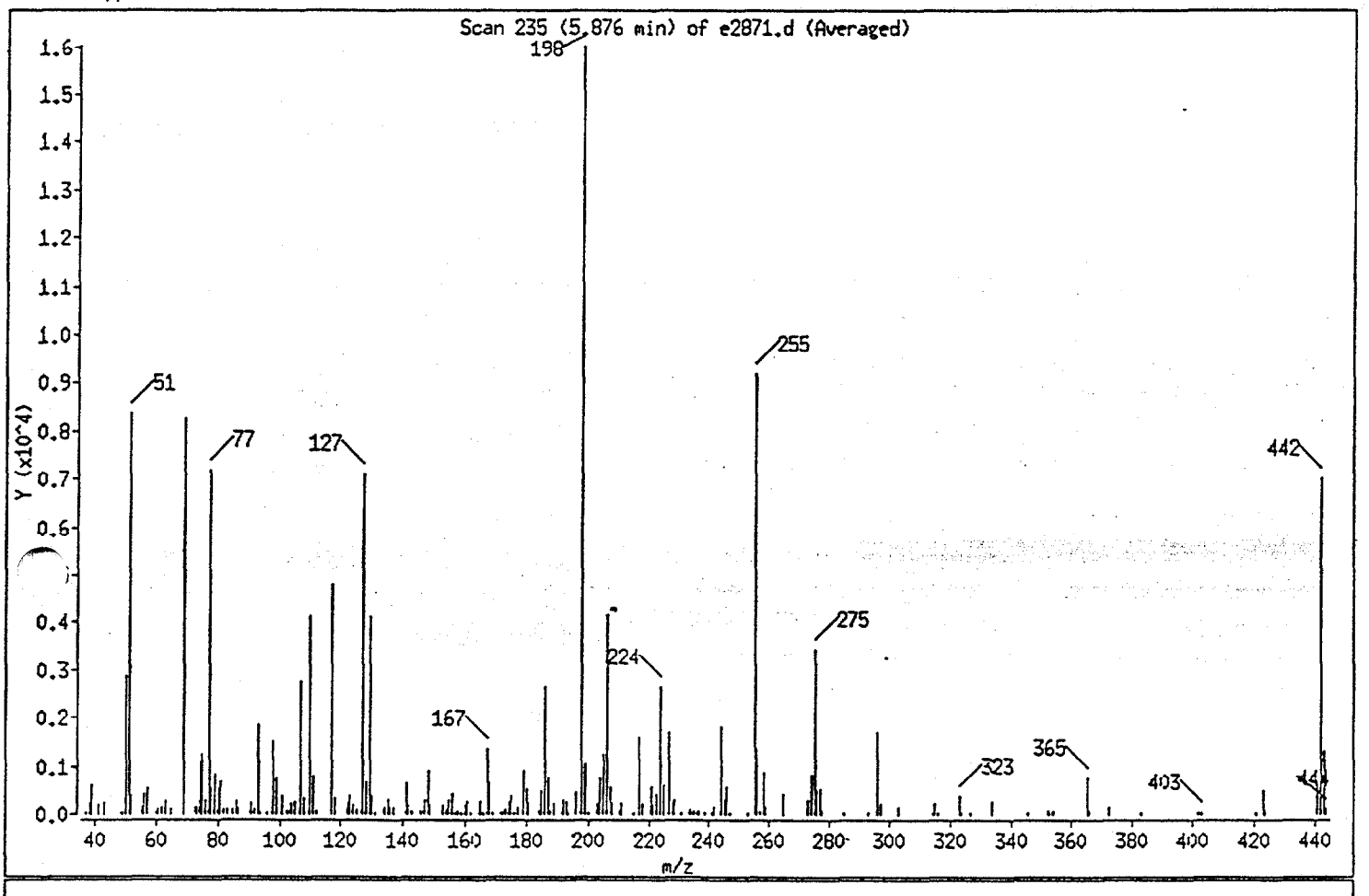
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	52.3
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	51.5
70	Less than 2.00% of mass 69	0.0
127	25.00 - 75.00% of mass 198	44.5
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	21.6
365	Greater than 0.75% of mass 198	4.7
441	Present, but less than mass 443	47.2
442	40.00 - 110.00% of mass 198	44.0
443	15.00 - 24.00% of mass 442	18.9

Data File: /chem/aux/mse.i/e111894.b/e2871.d

Date : 18-NOV-94 07:37

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 235-237 (5.876 min), Subtraction Scan 232
Location of Maximum: 198.00
Number of points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	36	111.00	796	180.00	541	253.00	40
38.00	209	112.00	87	181.00	235	255.00	9194
39.00	602	117.00	4807	184.00	91	256.00	1380
41.00	96	118.00	346	185.00	482	257.00	82
43.00	99	122.00	237	186.00	2647	258.00	890
49.00	37	123.00	373	187.00	774	259.00	137
50.00	2895	124.00	175	188.00	57	265.00	408
51.00	8382	125.00	125	189.00	240	273.00	291
52.00	388	127.00	7132	192.00	321	274.00	818
55.00	40	128.00	666	193.00	283	275.00	3464
56.00	178	129.00	4128	194.00	44	276.00	476
57.00	414	130.00	370	196.00	452	277.00	521
60.00	33	131.00	39	198.00	16025	278.00	86
61.00	96	134.00	137	199.00	1078	285.00	54
62.00	137	135.00	311	200.00	49	293.00	42
63.00	259	136.00	162	203.00	209	296.00	1710
65.00	96	137.00	164	204.00	771	297.00	237
69.00	8251	141.00	640	205.00	1269	303.00	170
73.00	162	142.00	174	206.00	4184	314.00	34
74.00	1093	143.00	94	207.00	576	315.00	221
75.00	1269	146.00	94	208.00	223	316.00	46
76.00	294	147.00	317	210.00	59	323.00	390
77.00	7187	148.00	915	211.00	223	324.00	35
78.00	543	149.00	198	215.00	38	327.00	51
79.00	827	153.00	173	217.00	1587	334.00	268
80.00	523	154.00	127	218.00	220	346.00	47
81.00	694	155.00	296	221.00	572	352.00	70
82.00	121	156.00	411	222.00	195	353.00	49
83.00	129	157.00	39	223.00	406	354.00	58
85.00	125	158.00	58	224.00	2663	365.00	756
86.00	256	159.00	41	225.00	622	366.00	66
87.00	95	160.00	183	227.00	1707	372.00	159
91.00	226	161.00	262	228.00	210	383.00	38
92.00	101	162.00	40	229.00	286	402.00	36
93.00	1859	165.00	257	231.00	34	403.00	51

Data File: /chem/aux/mse.i/e111894.b/e2871.d

Date : 18-NOV-94 07:37

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 235-237 (5.876 min), Subtraction Scan 232

Location of Maximum: 198.00

Number of points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	35	166.00	42	234.00	97	421.00	36
96.00	35	167.00	1372	235.00	64	423.00	489
98.00	1519	168.00	662	236.00	83	424.00	86
99.00	763	169.00	45	237.00	91	441.00	629
101.00	381	172.00	56	239.00	42	442.00	7054
103.00	93	173.00	112	241.00	39	443.00	1332
104.00	245	174.00	259	242.00	140	444.00	115
105.00	268	175.00	381	244.00	1822		
107.00	2754	176.00	45	245.00	286		
108.00	328	177.00	155	246.00	554		
110.00	4131	179.00	896	247.00	43		

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15027N~~ 15226N SAS No.: N/A SDG No.: ~~A0155-1~~ CLDWS075

Lab File ID: B4936 DFTPP Injection Date: 11/12/94

Instrument ID: MSB.I DFTPP Injection Time: 15:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	37.9
68	Less than 2.0% of mass 69	0.1 (0.1) 1
69	Mass 69 relative abundance	60.4
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	25.0 - 75.0% of mass 198	45.4
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	8.0
275	10.0 - 30.0% of mass 198	21.9
365	Greater than 0.75% of mass 198	2.57
441	Present, but less than mass 443	78
442	40.0 - 110.0% of mass 198	59.8
443	15.0 - 24.0% of mass 442	12.1 (20.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD20	SSTD20	B4937	11/12/94	15:32
02	SSTD50	SSTD50	B4938		16:12
03	SSTD80	SSTD80	B4939		16:52
04	SSTD120	SSTD120	B4940		17:33
05	SSTD160	SSTD160	B4941		18:13
06					
07					
08					
09					
10					
11					
12					
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14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/aux/msb.i/b111294.b/b4936.d

Date : 12-NOV-94 15:11

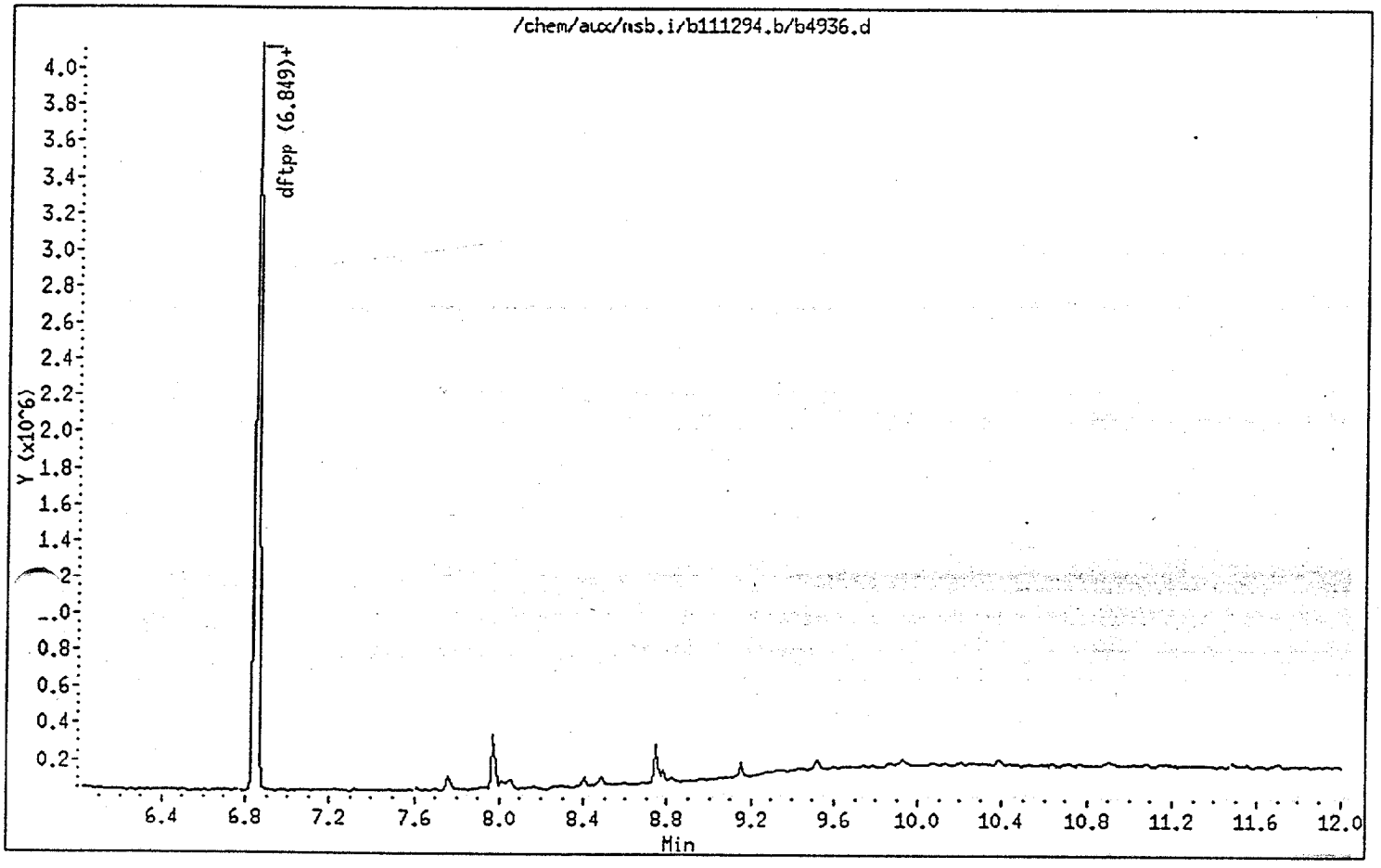
Instrument : msa.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/msb.i/b111294.b/b4936.d

Date : 12-NOV-94 15:11

Instrument : msa.i

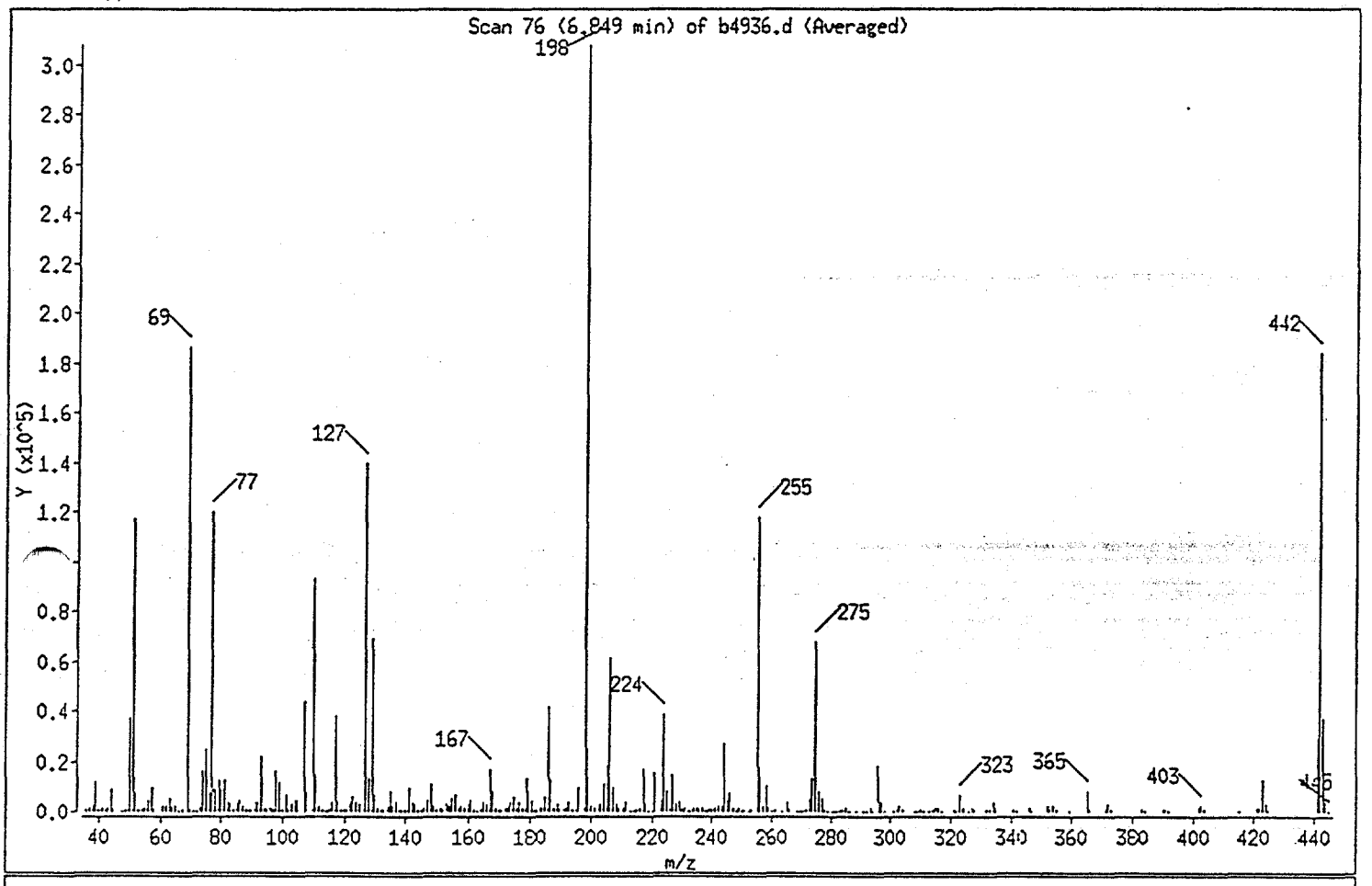
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	37.9
68	Less than 2.00% of mass 69	0.1
69	Mass 69 relative abundance	60.4
70	Less than 2.00% of mass 69	0.6
127	25.00 - 75.00% of mass 198	45.4
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	8.0
275	10.00 - 30.00% of mass 198	21.9
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	77.5
442	40.00 - 110.00% of mass 198	59.8
443	15.00 - 24.00% of mass 442	20.3

Data File: /chem/aux/msb.i/b111294.b/b4936.d

Date : 12-NOV-94 15:11

Instrument : msa.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 76-78 (6.849 min), Subtraction Scan 73
Location of Maximum: 198.00
Number of points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	665	122.00	3746	198.00	307818	279.00	152
38.00	1954	123.00	5692	199.00	24633	281.00	132
39.00	10714	124.00	3350	200.00	1948	282.00	338
40.00	852	125.00	2834	201.00	1147	283.00	1023
42.00	588	127.00	139666	202.00	836	284.00	650
43.00	201	128.00	13426	203.00	3006	285.00	1153
48.00	312	129.00	69066	204.00	10764	286.00	144
49.00	1033	130.00	6761	205.00	18527	289.00	161
50.00	37090	131.00	1356	206.00	60904	291.00	127
51.00	116683	132.00	813	207.00	8699	292.00	128
52.00	6559	133.00	272	208.00	2905	293.00	1292
53.00	803	134.00	2210	209.00	1413	294.00	337
54.00	80	135.00	7382	210.00	1439	296.00	18428
55.00	1027	136.00	2383	211.00	3422	297.00	3580
56.00	4226	137.00	3165	213.00	190	298.00	184
57.00	9246	138.00	552	214.00	199	301.00	268
58.00	312	139.00	542	215.00	971	302.00	489
61.00	1958	140.00	595	216.00	1819	303.00	2037
62.00	1704	141.00	9433	217.00	16848	304.00	502
63.00	5349	142.00	3557	218.00	2611	308.00	321
64.00	1262	143.00	2579	219.00	231	309.00	156
65.00	1632	144.00	511	220.00	116	310.00	373
66.00	280	145.00	561	221.00	15212	311.00	122
67.00	271	146.00	1607	223.00	4377	313.00	129
68.00	252	147.00	4659	224.00	38765	314.00	694
69.00	185972	148.00	10774	225.00	7608	315.00	1751
70.00	1075	149.00	2302	226.00	667	316.00	1349
72.00	142	150.00	746	227.00	14880	317.00	171
73.00	926	151.00	1295	228.00	2867	321.00	602
74.00	15852	152.00	1028	229.00	3323	322.00	159
75.00	24439	153.00	3071	230.00	763	323.00	6411
76.00	7600	154.00	2358	231.00	1553	324.00	1163
77.00	119902	155.00	4791	232.00	213	326.00	291
78.00	8123	156.00	6018	233.00	133	327.00	1391
79.00	12083	157.00	1700	234.00	1411	328.00	495

Data File: /chem/aux/msb.i/b111294.b/b4936.d

Date : 12-NOV-94 15:11

Instrument : msa.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 76-78 (6.849 min), Subtraction Scan 73
Location of Maximum: 198.00
Number of points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	8924	158.00	1867	235.00	1217	332.00	658
81.00	11559	159.00	1109	236.00	769	333.00	715
82.00	3305	160.00	2595	237.00	1172	334.00	3976
83.00	2193	161.00	4272	238.00	119	335.00	1130
84.00	569	162.00	990	239.00	656	341.00	699
85.00	2767	163.00	334	240.00	699	342.00	343
86.00	4069	164.00	628	241.00	1140	346.00	1166
87.00	2022	165.00	3808	242.00	1994	347.00	157
88.00	730	166.00	2898	243.00	2073	352.00	2131
89.00	505	167.00	16036	244.00	27002	353.00	1087
91.00	3473	168.00	8103	245.00	4365	354.00	2144
92.00	3551	169.00	1360	246.00	7062	355.00	451
93.00	21289	170.00	730	247.00	1677	359.00	131
94.00	1670	171.00	814	248.00	186	365.00	7924
95.00	245	172.00	1643	249.00	1447	366.00	828
96.00	1105	173.00	1916	250.00	173	371.00	598
97.00	492	174.00	3851	251.00	564	372.00	3172
98.00	16023	175.00	5904	252.00	248	373.00	774
99.00	11680	176.00	1598	253.00	859	383.00	846
100.00	1067	177.00	3299	255.00	117989	384.00	123
101.00	6428	178.00	1284	256.00	17790	390.00	470
102.00	411	179.00	13383	257.00	2231	391.00	431
103.00	2770	180.00	8302	258.00	10374	392.00	255
104.00	4471	181.00	4206	259.00	1729	402.00	1272
105.00	3776	182.00	730	260.00	355	403.00	2274
107.00	43416	183.00	236	261.00	443	404.00	432
108.00	7377	184.00	1185	264.00	126	415.00	157
110.00	93352	185.00	5533	265.00	3765	421.00	1524
111.00	14393	186.00	41178	266.00	453	422.00	1478
112.00	1723	187.00	12498	269.00	144	423.00	12497
113.00	638	188.00	1293	270.00	264	424.00	2972
114.00	339	189.00	3146	271.00	354	425.00	353
115.00	180	190.00	719	272.00	445	441.00	28912
116.00	3293	191.00	1643	273.00	5128	442.00	184085
117.00	37618	192.00	3924	274.00	13121	443.00	37299

Data File: /chem/aux/msb.i/b111294.b/b4936.d

Date : 12-NOV-94 15:11

Instrument : msa.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 76-78 (6.849 min), Subtraction Scan 73
Location of Maximum: 198.00
Number of points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3300	193.00	3578	275.00	67336	444.00	3796
119.00	630	194.00	464	276.00	8063	445.00	273
120.00	904	195.00	655	277.00	4990		
121.00	634	196.00	9681	278.00	894		

58

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15296~~ 15226V SAS No.: N/A SDG No.: ~~A0155~~ CJDW5075

Lab File ID: B4986 DFTPP Injection Date: 11/18/94

Instrument ID: MSB.I DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.6
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	66.4
70	Less than 2.0% of mass 69	0.3 ~~0.5~~ (0.5)
127	25.0 - 75.0% of mass 198	43.9
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	17.3
365	Greater than 0.75% of mass 198	1.61
441	Present, but less than mass 443	83
442	40.0 - 110.0% of mass 198	43.7
443	15.0 - 24.0% of mass 442	8.5 (19.5)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	B4987	11/18/94	12:07
02	SBLK01	SBLK01	B4988		12:52
03	SSPK01	SSPK01	B4989		13:30
04	A0155-79MS	JN4445CS	B4990		14:08
05	A0155-79MSD	JN4445CR	B4991		14:47
06	A0155-51	JN4619C	B4992		15:25
07	A0155-52	JN4620C	B4993		16:04
08	A0155-53	JN4621C	B4994		16:42
09	A0155-54	JN4622C	B4995		17:20
10	A0155-56	JN4623C	B4996		17:57
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/aux/msb.i/b111894.b/b4986.d

Date : 18-NOV-94 11:46

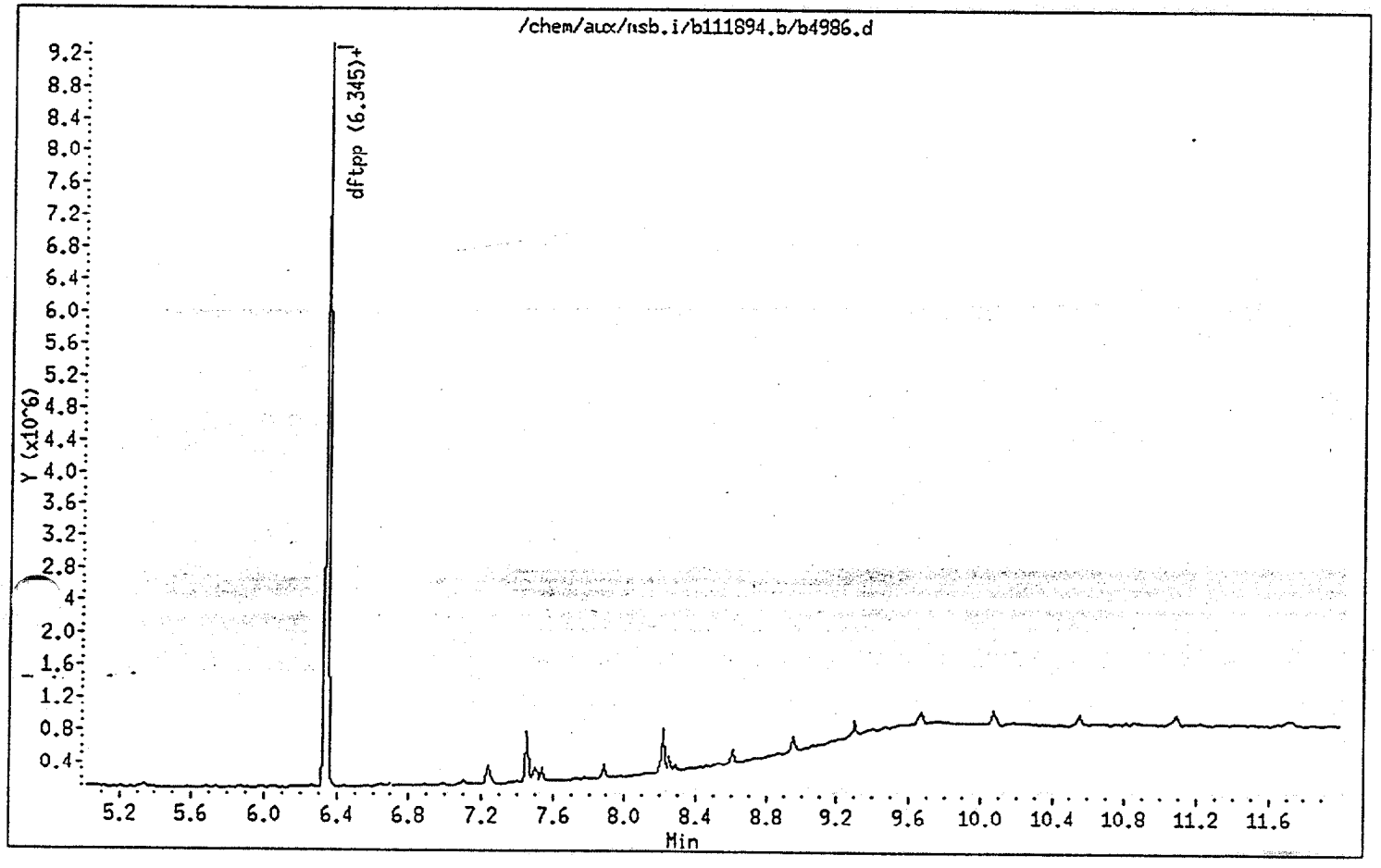
Instrument : msb.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/msb.i/b111894.b/b4986.d

Date : 18-NOV-94 11:46

Instrument : msb.i

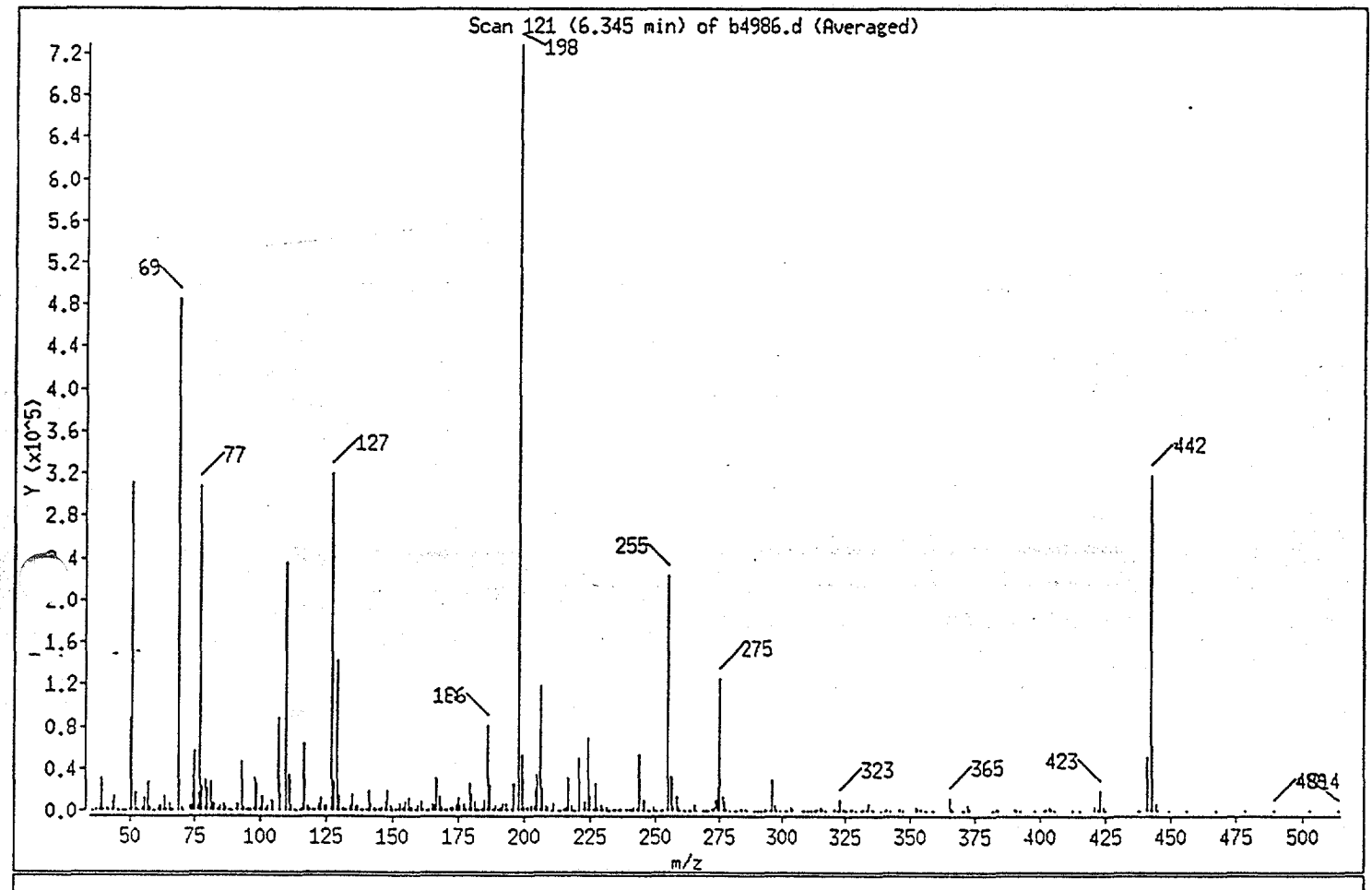
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	42.6
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	66.4
70	Less than 2.00% of mass 69	0.5
127	25.00 - 75.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.3
275	10.00 - 30.00% of mass 198	17.3
365	Greater than 0.75% of mass 198	1.6
441	Present, but less than mass 443	83.3
442	40.00 - 110.00% of mass 198	43.7
443	15.00 - 24.00% of mass 442	19.5

Data File: /chem/aux/msb.i/b111894.b/b4986.d

Date : 18-NOV-94 11:46

Instrument : msb.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 121-123 (6.345 min), Subtraction Scan 118

Location of Maximum: 198.00

Number of points: 319

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	50	129.00	142537	210.00	748	302.00	459
37.00	1535	130.00	13023	211.00	5854	303.00	3190
38.00	5297	131.00	2877	213.00	442	304.00	1143
39.00	29324	132.00	1223	214.00	179	308.00	796
40.00	1477	133.00	627	215.00	1467	309.00	287
41.00	847	134.00	4517	216.00	2856	310.00	475
45.00	716	135.00	12979	217.00	31237	312.00	287
47.00	617	136.00	5082	218.00	5452	313.00	246
49.00	45	137.00	5146	219.00	606	314.00	1748
50.00	86759	138.00	1461	220.00	289	315.00	3381
51.00	310321	139.00	888	221.00	49260	316.00	1937
52.00	17512	140.00	1846	223.00	9066	317.00	180
53.00	557	141.00	18223	224.00	68986	321.00	1244
54.00	193	142.00	6745	225.00	13526	322.00	748
55.00	1823	143.00	4176	226.00	2060	323.00	10888
56.00	11609	144.00	1086	227.00	25645	324.00	1755
57.00	25445	145.00	553	228.00	4246	325.00	129
58.00	1029	146.00	3386	229.00	5588	326.00	301
61.00	4753	147.00	8065	230.00	875	327.00	2345
62.00	5180	148.00	17868	231.00	3296	328.00	926
63.00	13315	149.00	4270	232.00	435	329.00	475
64.00	2413	150.00	1554	233.00	832	331.00	144
65.00	6449	151.00	1681	234.00	2056	332.00	1049
66.00	954	152.00	2337	235.00	2527	333.00	1016
67.00	253	153.00	6125	236.00	1433	334.00	6097
69.00	484006	154.00	4303	237.00	2390	335.00	1741
70.00	2286	155.00	8929	239.00	1410	336.00	131
73.00	2714	156.00	12386	240.00	1292	339.00	160
74.00	31856	157.00	3023	241.00	2051	340.00	318
75.00	56582	158.00	2965	242.00	3666	341.00	1311
76.00	16776	159.00	2379	243.00	4005	342.00	290
77.00	308004	160.00	5323	244.00	53901	346.00	2067
78.00	21942	161.00	7984	245.00	10044	347.00	529
79.00	27800	162.00	2189	246.00	11108	352.00	3135
80.00	20715	163.00	783	247.00	2336	353.00	1647

Data File: /chem/aux/msb.i/b111894.b/b4986.d

Date : 18-NOV-94 11:46

Instrument : msb.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 121-123 (6.345 min), Subtraction Scan 118

Location of Maximum: 198.00

Number of points: 319

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	26560	164.00	701	248.00	717	354.00	2504
82.00	6400	165.00	6788	249.00	2701	355.00	494
83.00	6102	166.00	5127	250.00	362	356.00	133
84.00	488	167.00	30751	251.00	530	358.00	135
85.00	4347	168.00	14262	252.00	584	359.00	293
86.00	7214	169.00	2704	253.00	614	365.00	11691
87.00	3624	170.00	1325	255.00	224490	366.00	1499
88.00	1650	171.00	1507	256.00	32552	367.00	137
89.00	500	172.00	3827	257.00	3516	370.00	152
90.00	129	173.00	3877	258.00	14584	371.00	642
91.00	6980	174.00	6625	259.00	2685	372.00	5974
92.00	6899	175.00	11956	260.00	723	373.00	1343
93.00	45855	176.00	4742	261.00	693	382.00	121
94.00	2945	177.00	5920	262.00	126	383.00	1235
95.00	542	178.00	2029	263.00	148	384.00	405
96.00	1682	179.00	25051	264.00	351	390.00	1101
97.00	1023	180.00	16092	265.00	5736	392.00	255
98.00	29753	181.00	7843	266.00	759	398.00	131
99.00	25294	182.00	1502	269.00	434	401.00	389
100.00	2584	183.00	968	270.00	374	402.00	2191
101.00	14322	184.00	2010	271.00	627	403.00	3269
102.00	1252	185.00	10559	272.00	1134	404.00	1149
103.00	4729	186.00	80914	273.00	9562	405.00	467
104.00	9421	187.00	23543	274.00	23069	412.00	158
105.00	8438	188.00	2499	275.00	126096	415.00	137
107.00	86592	189.00	5771	276.00	13249	421.00	2723
108.00	14887	190.00	1253	277.00	7785	422.00	2490
110.00	235402	191.00	2510	278.00	1648	423.00	18698
111.00	32821	192.00	7659	279.00	155	424.00	4226
112.00	3980	193.00	6125	282.00	165	425.00	380
113.00	1706	194.00	1702	283.00	1765	437.00	117
114.00	148	195.00	1464	284.00	1048	438.00	179
115.00	871	196.00	25547	285.00	2293	441.00	51551
116.00	6493	198.00	728405	286.00	203	442.00	318133
117.00	63024	199.00	53130	289.00	435	443.00	61880

Data File: /chem/aux/msb.i/b111894.b/b4986.d

Date : 18-NOV-94 11:46

Instrument : msb.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 121-123 (6.345 min), Subtraction Scan 118
Location of Maximum: 198.00
Number of points: 319

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	5853	200.00	3883	290.00	404	444.00	6227
119.00	1406	201.00	1004	292.00	192	445.00	689
120.00	1452	202.00	3980	293.00	1868	449.00	122
121.00	250	203.00	4446	294.00	205	456.00	117
122.00	7035	204.00	19572	295.00	279	467.00	129
123.00	10922	205.00	34818	296.00	29960	478.00	137
124.00	6020	206.00	119429	297.00	4443	489.00	151
125.00	4350	207.00	18082	298.00	441	504.00	125
127.00	319749	208.00	5030	299.00	157	514.00	122
128.00	26210	209.00	1946	301.00	485		

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~E627N~~ 15226V SAS No.: N/A SDG No.: ~~A0155~~ CLJDWS07E

Lab File ID: E2892 DFTPP Injection Date: 11/20/94

Instrument ID: msE.I DFTPP Injection Time: 11:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.8
68	Less than 2.0% of mass 69	0 (0) 1
69	Mass 69 relative abundance	47.1
70	Less than 2.0% of mass 69	0 (0) 1
127	25.0 - 75.0% of mass 198	43.3
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.3
365	Greater than 0.75% of mass 198	4.23
441	Present, but less than mass 443	42
442	40.0 - 110.0% of mass 198	42.2
443	15.0 - 24.0% of mass 442	8.5 (20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	E2893	11/20/94	11:40
02	A0155-79	JN4445C	E2894		12:34
03	A0155-19	JN4446C	E2895		13:08
04	A0155-41	JN4447C	E2896		13:42
05	A0155-43	JN4449C	E2897		14:16
06	A0155-44	JN4450C	E2898		14:50
07	A0155-45	JN4451C	E2899		15:24
08	A0155-46	JN4452C	E2900		15:57
09	A0155-80	JN4456C	E2901		16:32
10	CLJDWS151	JN4742C	E2902		17:06
11	A0155-49	JN4617C	E2903		17:40
12	A0155-50	JN4618C	E2904		18:14
13	A0155-77	JN4454C	E2905		18:48
14	A0155-78	JN4455C	E2906		19:22
15	A0155-42	JN4448C	E2907		19:56
16	A0155-47	JN4453C	E2908		20:30
17	~~A0155-47~~	JN4453C	E2913		23:21
18					
19					
20					
21					
22					

Data File: /chem/aux/mse.i/e112094.b/e2892.d

Date : 20-NOV-94 11:25

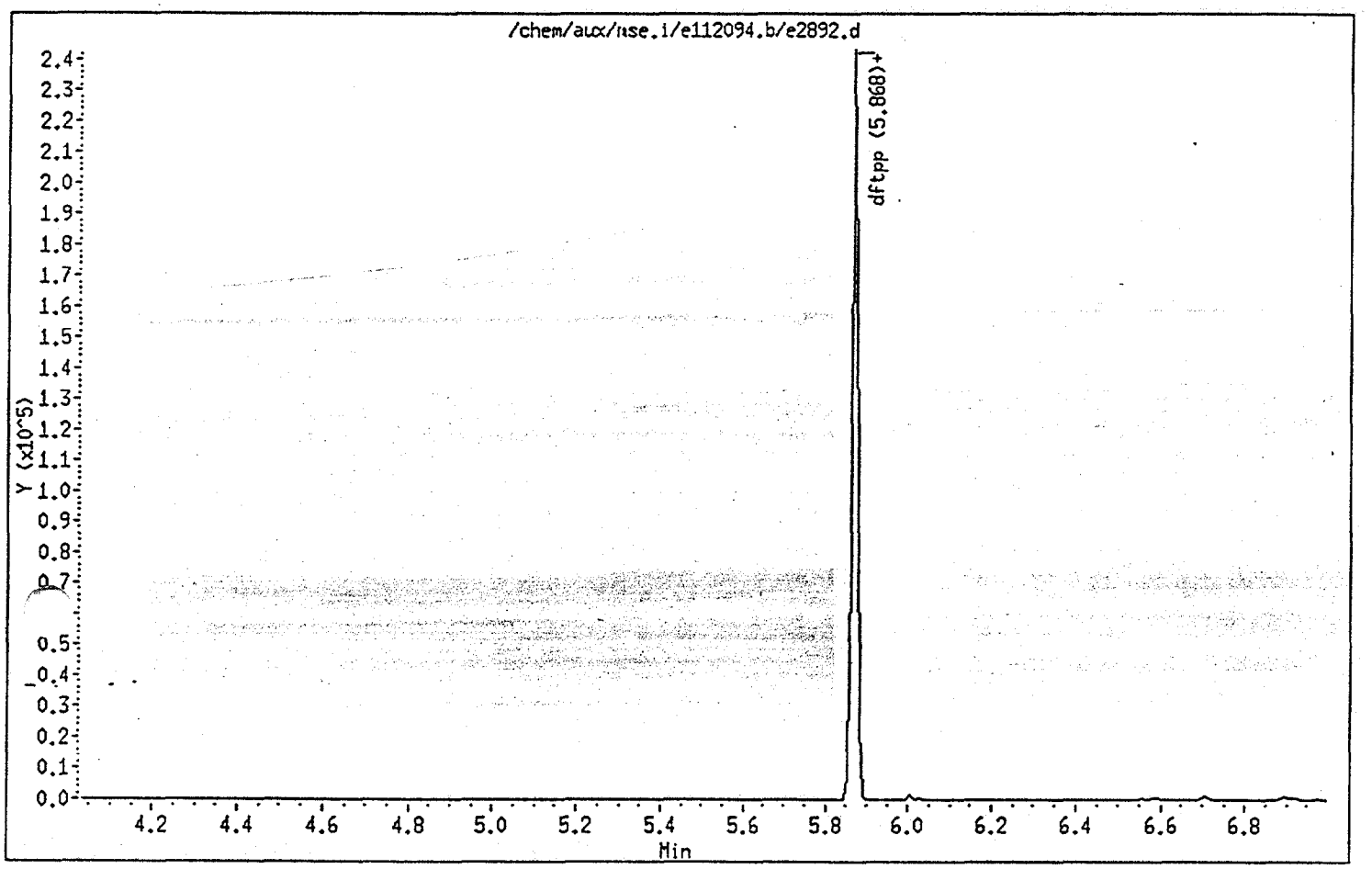
Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/mse.i/e112094.b/e2892.d

Date : 20-NOV-94 11:25

Instrument : mse.i

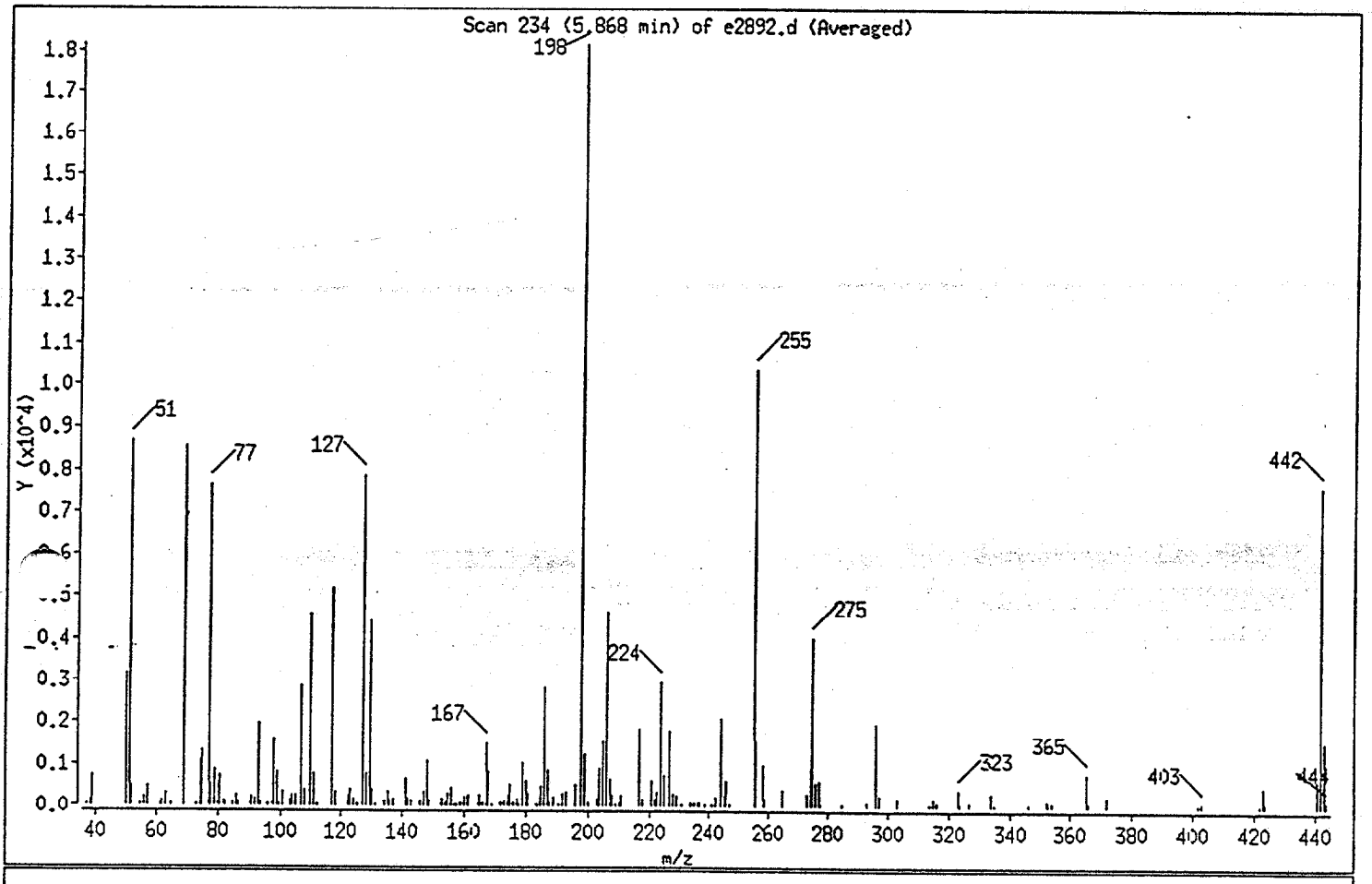
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	47.8
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	47.1
70	Less than 2.00% of mass 69	0.0
127	25.00 - 75.00% of mass 198	43.3
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.0
275	10.00 - 30.00% of mass 198	22.3
365	Greater than 0.75% of mass 198	4.2
441	Present, but less than mass 443	41.8
442	40.00 - 110.00% of mass 198	42.2
443	15.00 - 24.00% of mass 442	20.1

Data File: /chem/aux/mse.i/e112094.b/e2892.d

Date : 20-NOV-94 11:25

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 234-236 (5.868 min), Subtraction Scan 231
Location of Maximum: 198.00
Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	39	117.00	5196	180.00	601	246.00	618
38.00	140	118.00	359	181.00	288	247.00	63
39.00	714	122.00	259	184.00	37	255.00	10396
50.00	3179	123.00	400	185.00	480	256.00	1524
51.00	8676	124.00	177	186.00	2840	258.00	966
52.00	488	125.00	49	187.00	869	259.00	173
55.00	52	127.00	7857	188.00	87	265.00	368
56.00	220	128.00	755	189.00	228	273.00	315
57.00	471	129.00	4429	191.00	47	274.00	916
61.00	48	130.00	393	192.00	293	275.00	4045
62.00	119	131.00	50	193.00	363	276.00	547
63.00	314	134.00	112	196.00	496	277.00	581
65.00	64	135.00	338	198.00	18151	278.00	33
69.00	8555	136.00	122	199.00	1263	285.00	39
73.00	38	137.00	163	200.00	85	293.00	92
74.00	1054	141.00	636	203.00	167	296.00	1985
75.00	1350	142.00	165	204.00	898	297.00	252
77.00	7651	143.00	115	205.00	1528	303.00	169
78.00	503	146.00	112	206.00	4627	314.00	33
79.00	851	147.00	353	207.00	624	315.00	192
80.00	546	148.00	1061	208.00	249	316.00	80
81.00	743	149.00	127	209.00	43	323.00	381
82.00	115	153.00	164	210.00	81	324.00	42
83.00	81	154.00	67	211.00	241	327.00	95
85.00	79	155.00	314	217.00	1843	334.00	292
86.00	247	156.00	430	218.00	184	335.00	36
87.00	71	157.00	44	221.00	591	346.00	46
91.00	210	158.00	44	222.00	189	352.00	113
92.00	181	159.00	82	223.00	335	353.00	86
93.00	1983	160.00	212	224.00	2944	354.00	98
94.00	73	161.00	275	225.00	739	365.00	768
96.00	37	165.00	244	227.00	1804	366.00	101
98.00	1579	166.00	76	228.00	279	372.00	223
99.00	822	167.00	1503	229.00	264	402.00	39
100.00	36	168.00	822	231.00	61	403.00	84

Data File: /chem/aux/mse.i/e112094.b/e2892.d

Date : 20-NOV-94 11:25

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 234-236 (5.868 min), Subtraction Scan 231
Location of Maximum: 198.00
Number of points: 174

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	337	169.00	54	234.00	88	422.00	39
103.00	110	172.00	86	235.00	106	423.00	491
104.00	267	173.00	114	236.00	85	424.00	92
105.00	250	174.00	266	237.00	90	441.00	643
107.00	2863	175.00	497	239.00	36	442.00	7653
108.00	366	176.00	96	241.00	43	443.00	1538
110.00	4598	177.00	190	242.00	197	444.00	128
111.00	786	178.00	44	244.00	2091		
112.00	50	179.00	1042	245.00	238		

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW50175

Lab File ID: E2920 DFTPP Injection Date: 11/21/94

Instrument ID: MSE.E DFTPP Injection Time: 13:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	49.6
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	48.6
70	Less than 2.0% of mass 69	0.5 (1.0)
127	25.0 - 75.0% of mass 198	44.1
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.8
365	Greater than 0.75% of mass 198	4.20
441	Present, but less than mass 443	41
442	40.0 - 110.0% of mass 198	42.9
443	15.0 - 24.0% of mass 442	8.4 (19.7)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	E2921	11/21/94	13:58
02	SBLK01	SBLK01	E2929		19:19
03	CLJDW50175	JN4743C	E2931		20:20
04	CLJDW50175MS	JN4743CS	E2932		20:54
05	CLJDW50175MSD	JN4743CR	E2933		21:29
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/aux/mse.i/e1121a94.b/e2920.d

Date : 21-NOV-94 13:43

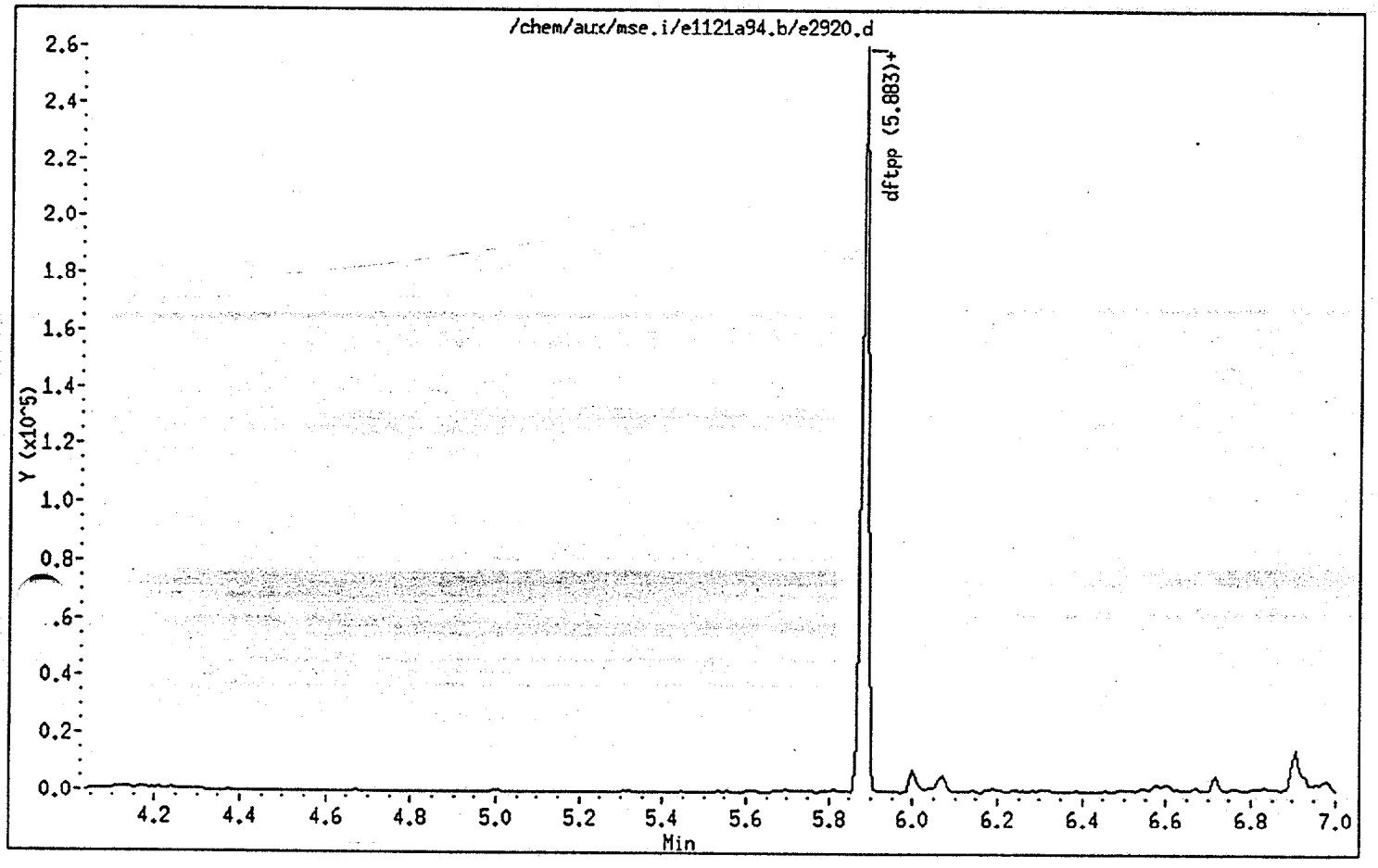
Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/mse.i/e1121a94.b/e2920.d

Date : 21-NOV-94 13:43

Instrument : mse.i

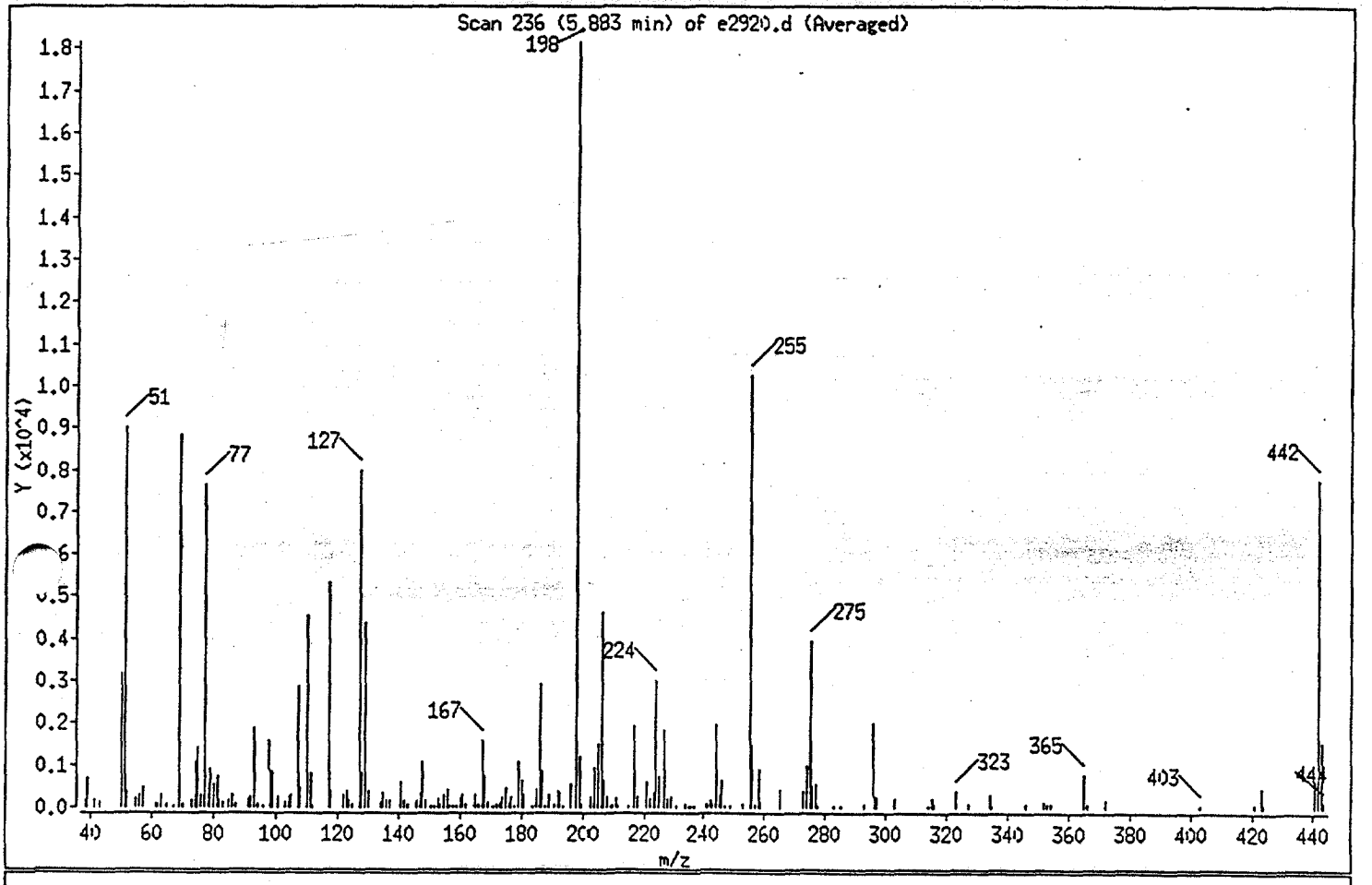
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	49.6
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	48.6
70	Less than 2.00% of mass 69	1.0
127	25.00 - 75.00% of mass 198	44.1
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.5
275	10.00 - 30.00% of mass 198	21.8
365	Greater than 0.75% of mass 198	4.2
441	Present, but less than mass 443	41.4
442	40.00 - 110.00% of mass 198	42.9
443	15.00 - 24.00% of mass 442	19.7

Data File: /chem/aux/mse.i/e1121a94.b/e2920.d

Date : 21-NOV-94 13:43

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 236-238 (5.883 min), Subtraction Scan 232
Location of Maximum: 198.00
Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	156	117.00	5305	180.00	638	246.00	653
39.00	671	118.00	373	181.00	298	247.00	55
41.00	55	122.00	293	184.00	60	249.00	37
43.00	32	123.00	401	185.00	435	253.00	84
50.00	3185	124.00	174	186.00	2912	255.00	10244
51.00	9004	125.00	72	187.00	875	256.00	1462
52.00	402	127.00	7996	188.00	50	257.00	85
55.00	92	128.00	795	189.00	279	258.00	918
56.00	282	129.00	4362	191.00	93	259.00	145
57.00	454	130.00	369	192.00	383	265.00	427
61.00	106	134.00	124	193.00	329	273.00	397
62.00	98	135.00	355	194.00	42	274.00	966
63.00	295	136.00	158	196.00	574	275.00	3957
65.00	85	137.00	186	198.00	18147	276.00	529
67.00	34	141.00	585	199.00	1181	277.00	572
69.00	8821	142.00	191	200.00	106	278.00	40
70.00	90	143.00	67	203.00	254	283.00	35
73.00	154	146.00	152	204.00	949	285.00	50
74.00	1068	147.00	353	205.00	1507	293.00	79
75.00	1414	148.00	1062	206.00	4621	296.00	1996
76.00	318	149.00	165	207.00	634	297.00	264
77.00	7628	151.00	47	208.00	238	303.00	199
78.00	564	152.00	35	209.00	47	314.00	43
79.00	882	153.00	216	210.00	82	315.00	229
80.00	558	154.00	103	211.00	200	316.00	89
81.00	717	155.00	298	212.00	34	323.00	407
82.00	156	156.00	414	215.00	50	327.00	65
83.00	126	157.00	34	217.00	1911	334.00	308
85.00	153	158.00	62	218.00	242	335.00	42
86.00	309	159.00	38	221.00	595	346.00	92
87.00	66	160.00	225	222.00	217	352.00	115
91.00	205	161.00	297	223.00	324	353.00	82
92.00	237	162.00	88	224.00	3015	354.00	103
93.00	1876	165.00	280	225.00	727	365.00	763
94.00	85	166.00	67	227.00	1824	366.00	86

Data File: /chem/aux/mse.i/e1121a94.b/e2920.d

Date : 21-NOV-94 13:43

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 236-238 (5.883 min), Subtraction Scan 232
Location of Maximum: 198.00
Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	36	167.00	1601	228.00	229	372.00	174
98.00	1581	168.00	721	229.00	273	403.00	62
99.00	874	169.00	131	231.00	58	421.00	76
101.00	277	171.00	41	234.00	67	423.00	486
103.00	124	172.00	100	235.00	52	424.00	82
104.00	258	173.00	117	236.00	42	441.00	634
105.00	285	174.00	270	237.00	63	442.00	7778
107.00	2892	175.00	456	241.00	95	443.00	1530
108.00	454	176.00	134	242.00	154	444.00	145
110.00	4534	177.00	241	243.00	104		
111.00	806	178.00	52	244.00	1986		
112.00	64	179.00	1087	245.00	298		

58

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW502

Lab File ID: E2942 DFTPP Injection Date: 11/22/94

Instrument ID: MSE.E DFTPP Injection Time: 07:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	46.6
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	46.5
70	Less than 2.0% of mass 69	0 (0)
127	25.0 - 75.0% of mass 198	43.9
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	21.4
365	Greater than 0.75% of mass 198	4.04
441	Present, but less than mass 443	90
442	40.0 - 110.0% of mass 198	43.7
443	15.0 - 24.0% of mass 442	8.4 (19.3)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	E2943	11/22/94	07:20
02	SSPK01	SSPK01	E2945	↓	08:48
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/aux/mse.i/e112294.b/e2942.d

Date : 22-NOV-94 07:04

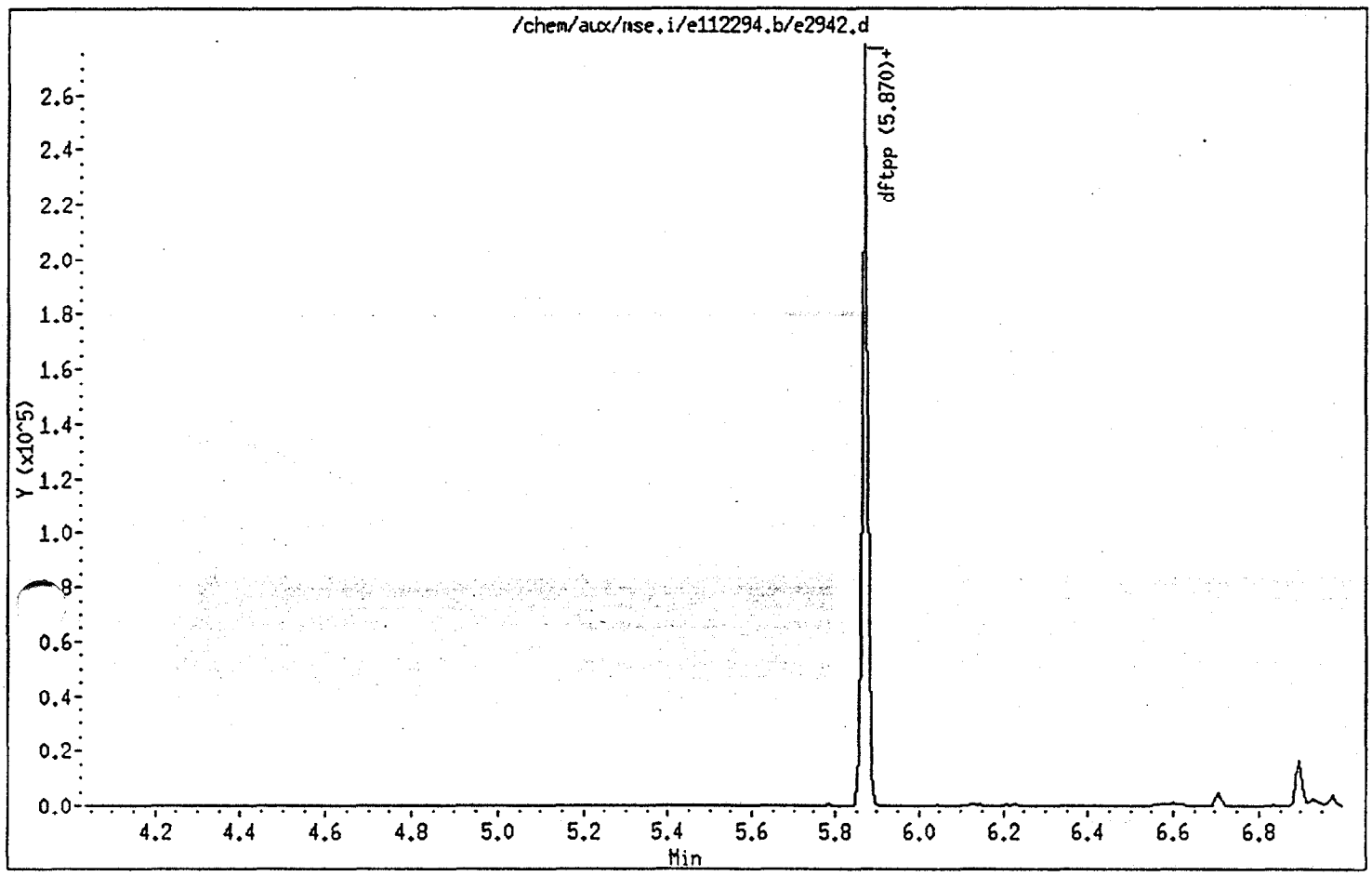
Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/aux/mse.i/e112294.b/e2942.d

Date : 22-NOV-94 07:04

Instrument : mse.i

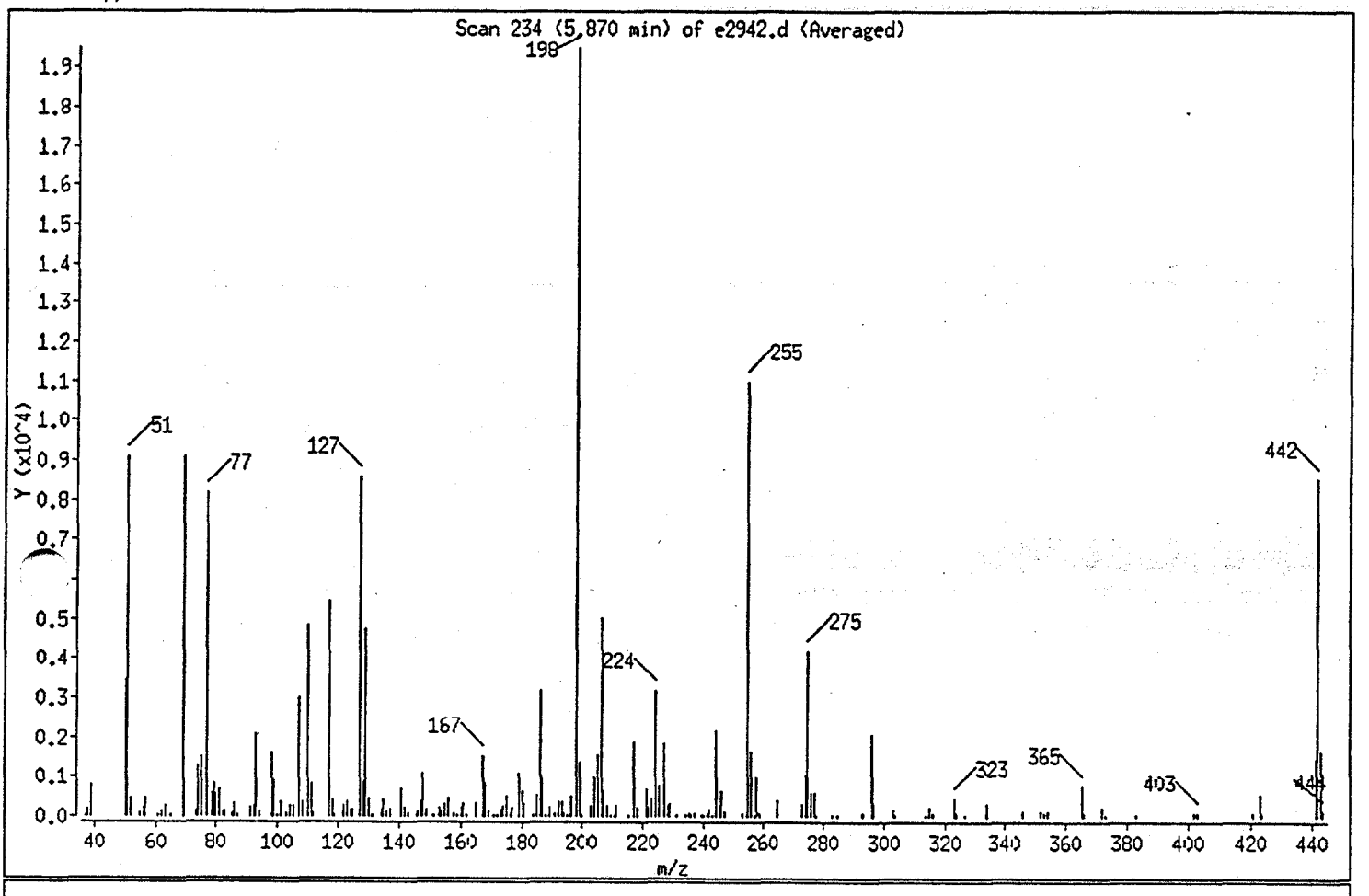
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 80.00% of mass 198	46.6
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	46.5
70	Less than 2.00% of mass 69	0.0
127	25.00 - 75.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.2
275	10.00 - 30.00% of mass 198	21.4
365	Greater than 0.75% of mass 198	4.0
441	Present, but less than mass 443	90.0
442	40.00 - 110.00% of mass 198	43.7
443	15.00 - 24.00% of mass 442	19.3

Data File: /chem/aux/mse.i/e112294.b/e2942.d

Date : 22-NOV-94 07:04

Instrument : mse.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 234-236 (5.870 min), Subtraction Scan 230

Location of Maximum: 198.00

Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	42	123.00	354	188.00	43	256.00	1674
38.00	179	124.00	169	189.00	253	257.00	44
39.00	780	125.00	186	191.00	111	258.00	1014
50.00	3466	127.00	8571	192.00	384	259.00	114
51.00	9088	128.00	860	193.00	375	265.00	437
52.00	439	129.00	4763	194.00	73	273.00	340
55.00	109	130.00	441	195.00	38	274.00	1060
56.00	222	131.00	53	196.00	485	275.00	4177
57.00	456	134.00	175	198.00	19522	276.00	606
61.00	63	135.00	407	199.00	1400	277.00	612
62.00	123	136.00	157	200.00	61	278.00	46
63.00	280	137.00	185	203.00	256	283.00	38
65.00	68	141.00	683	204.00	994	285.00	69
69.00	9073	142.00	238	205.00	1553	293.00	93
73.00	149	143.00	111	206.00	5022	296.00	2078
74.00	1286	146.00	118	207.00	631	297.00	325
75.00	1541	147.00	359	208.00	297	303.00	170
77.00	8168	148.00	1101	209.00	55	304.00	40
78.00	587	149.00	188	210.00	68	314.00	38
79.00	839	151.00	34	211.00	266	315.00	251
80.00	570	153.00	246	215.00	44	316.00	82
81.00	697	154.00	124	217.00	1896	323.00	484
82.00	144	155.00	329	218.00	242	324.00	74
83.00	124	156.00	439	221.00	685	327.00	56
85.00	111	158.00	111	222.00	247	334.00	306
86.00	307	159.00	45	223.00	442	346.00	124
87.00	64	160.00	236	224.00	3186	352.00	130
91.00	208	161.00	301	225.00	789	353.00	111
92.00	285	162.00	35	227.00	1832	354.00	118
93.00	2070	165.00	300	228.00	259	365.00	789
94.00	129	167.00	1520	229.00	336	366.00	105
98.00	1594	168.00	817	231.00	50	372.00	246
99.00	915	169.00	128	234.00	59	373.00	36
100.00	37	171.00	34	235.00	83	383.00	34
101.00	357	172.00	61	236.00	58	402.00	89

Data File: /chem/aux/mse.i/e112294.b/e2942.d

Date : 22-NOV-94 07:04

Instrument : mse.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 234-236 (5.870 min), Subtraction Scan 230
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	104	173.00	164	237.00	80	403.00	90
104.00	286	174.00	297	239.00	44	421.00	84
105.00	296	175.00	518	240.00	35	423.00	546
107.00	3002	176.00	86	241.00	80	424.00	108
108.00	366	177.00	230	242.00	197	441.00	1481
110.00	4865	179.00	1095	243.00	36	442.00	8526
111.00	815	180.00	659	244.00	2177	443.00	1646
112.00	73	181.00	341	245.00	288	444.00	150
117.00	5442	184.00	56	246.00	652		
118.00	406	185.00	555	247.00	119		
119.00	43	186.00	3194	253.00	94		
122.00	291	187.00	1001	255.00	10984		

Report Date : 10-Nov-1994 15:32 Page 1

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

Calibration File Names:
Level 1: /chem/aux/mse.i/e1103c94.b/e2600.d
Level 2: /chem/aux/mse.i/e1103c94.b/e2601.d
Level 3: /chem/aux/mse.i/e1103c94.b/e2602.d
Level 4: /chem/aux/mse.i/e1103c94.b/e2603.d
Level 5: /chem/aux/mse.i/e1103c94.b/e2604.d

	20	50	80	120	160		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
1 N-Nitrosodimethylamine	0.49211	0.49585	0.62398	0.65751	0.67850	0.58959	15.168
2 Pyridine	0.94591	0.99012	0.93918	1.08975	1.16486	1.02596	9.573
5 Phenol	1.40377	1.21321	1.19361	1.38310	1.69137	1.37701	14.526
6 bis(2-Chloroethyl)ether	1.22328	1.11852	1.11045	1.09988	1.08591	1.12761	4.865
7 2-Chlorophenol	1.17357	1.07131	1.07450	1.07515	1.14587	1.10808	4.347
8 1,3-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
10 1,4-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
11 2-Methylphenol	1.01133	0.92576	0.93348	1.02013	1.13328	1.00480	8.344
12 1,2-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
13 2,2'-oxybis(1-Chloropropene)	1.01677	0.90997	0.94923	0.93540	1.01517	0.96531	5.009
14 4-Methylphenol	1.01133	0.92576	0.93348	1.02013	1.13328	1.00480	8.344
15 N-Nitroso-di-n-propylamine	0.83095	0.78430	0.83707	0.86125	0.94170	0.85106	6.795
16 Hexachloroethane	0.58516	0.56151	0.57812	0.56966	0.57396	0.57368	1.549
18 Nitrobenzene	0.36890	0.35062	0.34422	0.33203	0.33993	0.34714	4.008
19 Isophorone	0.72358	0.64883	0.66073	0.66882	0.68117	0.67662	4.252
20 2,4-Dimethylphenol	0.34459	0.33186	0.34067	0.33895	0.36263	0.34374	3.352
21 2-Nitrophenol	0.20598	0.19055	0.18514	0.17801	0.17865	0.18767	6.104
22 bis(2-Chloroethoxy)methane	0.38294	0.35066	0.34122	0.33294	0.35048	0.35165	5.396
23 2,4-Dichlorophenol	0.28220	0.26272	0.26839	0.27898	0.30043	0.27854	5.221
24 1,2,4-Trichlorobenzene	0.28842	0.27119	0.28007	0.29176	0.30459	0.28721	4.376
26 Naphthalene	0.87870	0.75386	0.76583	0.81003	0.91871	0.82543	8.663
27 4-Chloroaniline	0.39003	0.35247	0.36103	0.34978	0.37151	0.36496	4.488
28 Hexachlorobutadiene	0.17497	0.18778	0.19794	0.21422	0.22357	0.19970	9.817
29 4-Chloro-3-methylphenol	0.31999	0.28201	0.28658	0.30497	0.33007	0.30472	6.807
2-Methylnaphthalene	0.61050	0.52409	0.54957	0.59172	0.65431	0.58604	8.726
31 1-Methylnapthalene	0.52850	0.45667	0.45968	0.49590	0.55218	0.49859	8.417
32 Hexachlorocyclopentadiene	0.02076	0.05579	0.09066	0.12320	0.14816	0.08772	58.196

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

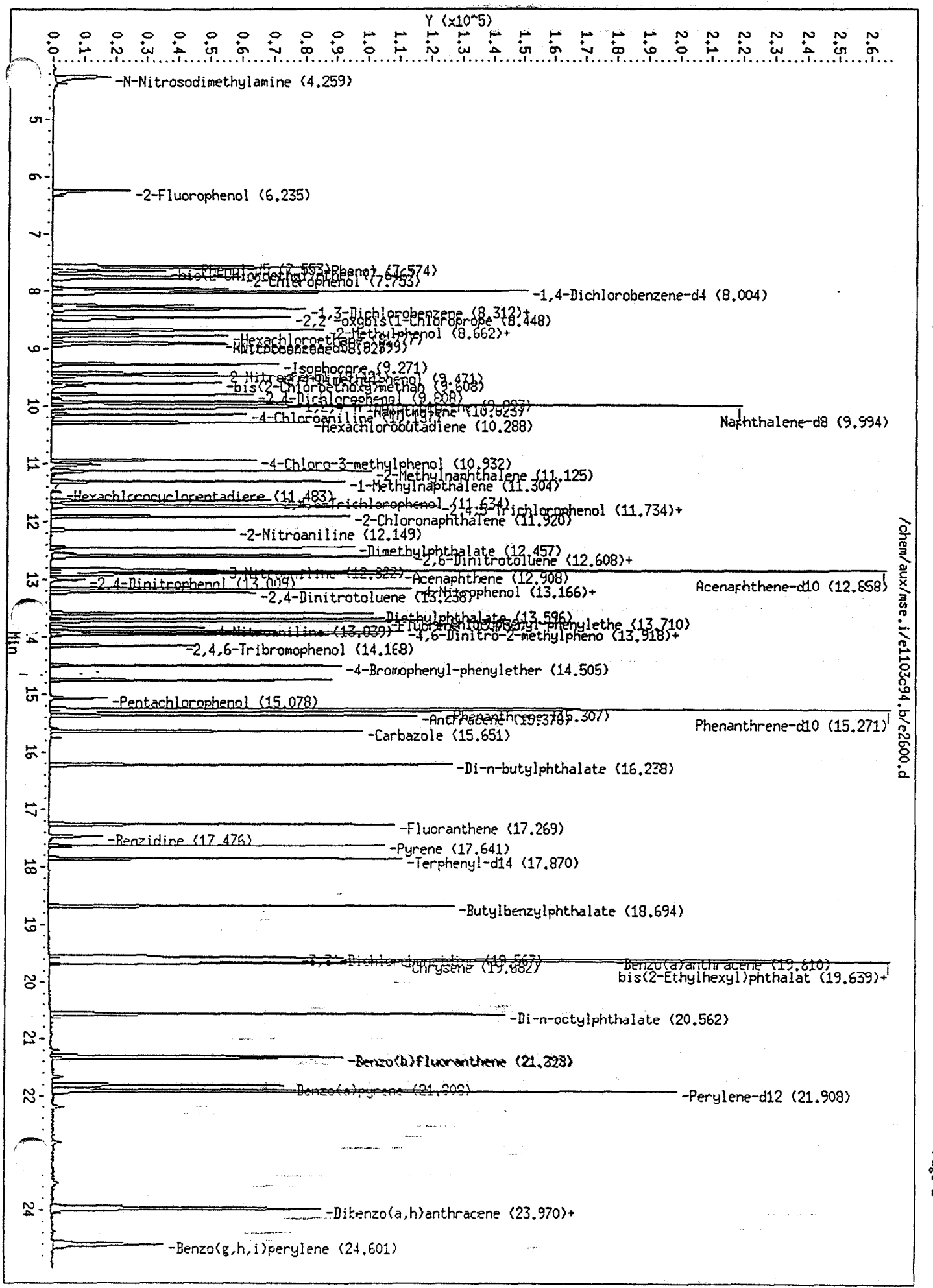
	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
33	2,4,6-Trichlorophenol	0.28683	0.27877	0.30514	0.32266	0.33087	0.30485	7.334	
34	2,4,5-Trichlorophenol	0.29132	0.30574	0.31818	0.35024	0.36846	0.32679	9.751	
36	2-Chloronaphthalene	0.88863	0.81065	0.85001	0.86687	0.92556	0.86835	4.937	
37	2-Nitroaniline	0.34654	0.33777	0.35116	0.35611	0.34595	0.34751	1.959	
38	Dimethylphthalate	1.29020	1.17344	1.22227	1.23800	1.26946	1.23867	3.639	
39	2,6-Dinitrotoluene	0.28290	0.25613	0.28356	0.30451	0.31264	0.28795	7.650	
	Acenaphthylene	1.48272	1.28316	1.38558	1.55165	1.59660	1.45994	8.690	
41	3-Nitroaniline	0.29142	0.27191	0.27914	0.28570	0.30190	0.28601	4.017	
43	2,4-Dinitrophenol	0.06876	0.09544	0.11738	0.13120	0.14292	0.11114	26.594	
44	Acenaphthene	0.90687	0.81344	0.86687	0.93334	0.96433	0.89697	6.558	
45	4-Nitrophenol	0.16113	0.17207	0.19807	0.22874	0.23384	0.19877	16.415	
46	2,4-Dinitrotoluene	0.41312	0.38225	0.39242	0.38954	0.38801	0.39307	3.003	
47	Dibenzofuran	1.28358	1.17265	1.27060	1.34313	1.41881	1.29775	7.031	
48	Diethylphthalate	1.42517	1.31649	1.34167	1.37197	1.40720	1.37250	3.272	
49	4-Chlorophenyl-phenylether	0.48025	0.49064	0.54769	0.57664	0.57670	0.53438	8.676	
50	Fluorene	1.01923	0.95345	1.04062	1.13230	1.17908	1.06494	8.487	
51	4-Nitroaniline	0.27604	0.27109	0.28128	0.27319	0.25890	0.27210	3.054	
52	4,6-Dinitro-2-methylphenol	0.10168	0.11230	0.12854	0.14843	0.16586	0.13136	19.899	
53	N-Nitrosodiphenylamine	0.44296	0.40396	0.43979	0.47766	0.51186	0.45525	9.008	
55	4-Bromophenyl-phenylether	0.16475	0.16746	0.20024	0.21981	0.23015	0.19648	15.144	
56	Hexachlorobenzene	+++++	0.19226	0.23154	0.25056	0.25953	0.23347	12.786	
57	Pentachlorophenol	+++++	0.04981	0.05815	0.06988	0.08282	0.06517	22.037	<-
59	Phenanthrene	0.87021	0.83410	0.92357	0.98991	1.04837	0.93323	9.336	
60	Anthracene	0.89998	0.86681	0.92568	0.99437	1.06098	0.94957	8.208	
61	Carbazole	0.80931	0.71115	0.77022	0.81970	0.87130	0.79633	7.501	
62	Di-n-butylphthalate	1.50087	1.35444	1.43177	1.50067	1.60487	1.47852	6.284	
63	Benzidine	0.18010	0.21984	0.22761	0.20155	0.19827	0.20547	9.131	
64	Fluoranthene	0.91708	0.90984	1.00345	1.08672	1.12631	1.00868	9.677	
65	Pyrene	0.90156	0.84402	0.92572	0.99468	1.00552	0.93430	7.183	
67	Butylbenzylphthalate	0.66514	0.56635	0.59218	0.61863	0.64278	0.61702	6.363	
68	bis(2-Ethylhexyl)phthalate	0.88938	0.87882	1.00413	0.98759	0.89327	0.93064	6.453	
	3,3'-Dichlorobenzidine	0.30078	0.31016	0.36154	0.37385	0.33810	0.33688	9.379	
71	Benzo(a)anthracene	0.83449	0.86931	0.96126	0.92005	0.81623	0.88027	6.830	
72	Chrysene	0.73763	0.73636	0.83468	0.88069	0.88216	0.81431	8.978	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2	
	73 Di-n-octylphthalate	1.72303	1.57324	1.75593	1.94034	2.03000	1.80451	10.059	
	74 Benzo(b)fluoranthene	0.78185	0.84574	0.99852	1.19650	1.37700	1.03992	23.758	<-
	75 Benzo(k)fluoranthene	0.85236	0.98784	1.17920	1.16188	0.78734	0.99372	17.810	
	76 Benzo(a)pyrene	0.71335	0.76886	0.90123	0.97627	1.00533	0.87301	14.636	
	78 Dibenzo(a,h)anthracene	0.65217	0.74454	0.86992	0.92149	0.92917	0.82346	14.688	
	79 Indeno(1,2,3-cd)pyrene	0.78322	0.87861	1.01754	1.09238	1.10463	0.97528	14.361	
	Benzo(g,h,i)perylene	0.59850	0.61306	0.68811	0.74208	0.75675	0.67970	10.643	
$	3 2-Fluorophenol	1.04557	1.02623	1.08989	1.08114	1.03475	1.05552	2.691	
$	4 Phenol-d5	1.31263	1.18476	1.18405	1.22021	1.37245	1.25482	6.702	
$	17 Nitrobenzene-d5	0.38382	0.35327	0.35792	0.35196	0.36007	0.36141	3.586	
$	35 2-Fluorobiphenyl	0.99282	0.92878	1.00348	1.06709	1.12754	1.02394	7.412	
$	54 2,4,6-Tribromophenol	0.11513	0.15618	0.19904	0.22490	0.23290	0.18563	26.658	
$	66 Terphenyl-d14	0.58500	0.59353	0.67532	0.70746	0.68688	0.64964	8.679	



Data File: /chem/aux/mse.i/e1103c94.b/e2600.d

/chem/aux/mse.i/e1103c94.b/e2600.d

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1103c94.b/e2600.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-NOV-94 09:31 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : sstd20 11-03-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Meth Date : 10-Nov-1994 15:17
Cal Date : 03-NOV-94 09:31 Cal File: e2600.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	N-Nitrosodimethylamine	42.00	4.259	(0.513)	8493	16.7	8.35(a)
	2 Pyridine	79.00	4.230	(0.510)	16325	18.4	9.22(a)
$	3 2-Fluorophenol	112.00	6.235	(0.751)	18045	19.8	9.90(a)
$	4 Phenol-d5	99.00	7.553	(0.910)	22654	20.9	10.5
	5 Phenol	94.00	7.574	(0.913)	24227	20.4	10.2
	6 bis(2-Chloroethyl)ether	93.00	7.646	(0.921)	21112	21.7	10.8
	7 2-Chlorophenol	128.00	7.760	(0.935)	20254	21.2	10.6
	8 1,3-Dichlorobenzene	146.00	8.312	(1.002)	20550	20.6	10.3
*	9 1,4-Dichlorobenzene-d4	152.00	8.004	(1.000)	34517	40.0	(H)
	10 1,4-Dichlorobenzene	146.00	8.312	(1.002)	20550	20.6	10.3
	11 2-Methylphenol	108.00	8.662	(1.044)	17454	20.1	10.1
	12 1,2-Dichlorobenzene	146.00	8.312	(1.002)	20550	20.6	10.3
	13 2,2'-oxybis(1-Chloropropene)	45.00	8.462	(1.020)	17548	21.1	10.5
	14 4-Methylphenol	108.00	8.662	(1.044)	17454	20.1	10.1
	15 N-Nitroso-di-n-propylamine	70.00	8.670	(1.045)	14341	19.5	9.76(a)
	16 Hexachloroethane	117.00	8.777	(1.058)	10099	20.4	10.2
$	17 Nitrobenzene-d5	82.00	8.899	(0.890)	23998	21.2	10.6
	18 Nitrobenzene	77.00	8.927	(0.893)	23065	21.2	10.6
	19 Isophorone	82.00	9.271	(0.928)	45241	21.4	10.7
	20 2,4-Dimethylphenol	107.00	9.471	(0.948)	21545	20.0	10.0
	21 2-Nitrophenol	139.00	9.421	(0.943)	12879	22.0	11.0
	22 bis(2-Chloroethoxy)methane	93.00	9.608	(0.961)	23943	21.8	10.9
	23 2,4-Dichlorophenol	162.00	9.808	(0.981)	17644	20.3	10.1
	24 1,2,4-Trichlorobenzene	180.00	9.923	(0.993)	18033	20.1	10.0
*	25 Naphthalene-d8	136.00	9.994	(1.000)	125048	40.0	
	Naphthalene	128.00	10.023	(1.003)	54940	21.3	10.6
	4-Chloroaniline	127.00	10.137	(1.014)	24386	21.4	10.7
	28 Hexachlorobutadiene	225.00	10.288	(1.029)	10940	17.5	8.76(a)
	29 4-Chloro-3-methylphenol	107.00	10.932	(1.094)	20007	21.0	10.5

Data File: /chem/aux/mse.i/e1103c94.b/e2600.d
Report Date: 10-Nov-1994 15:32

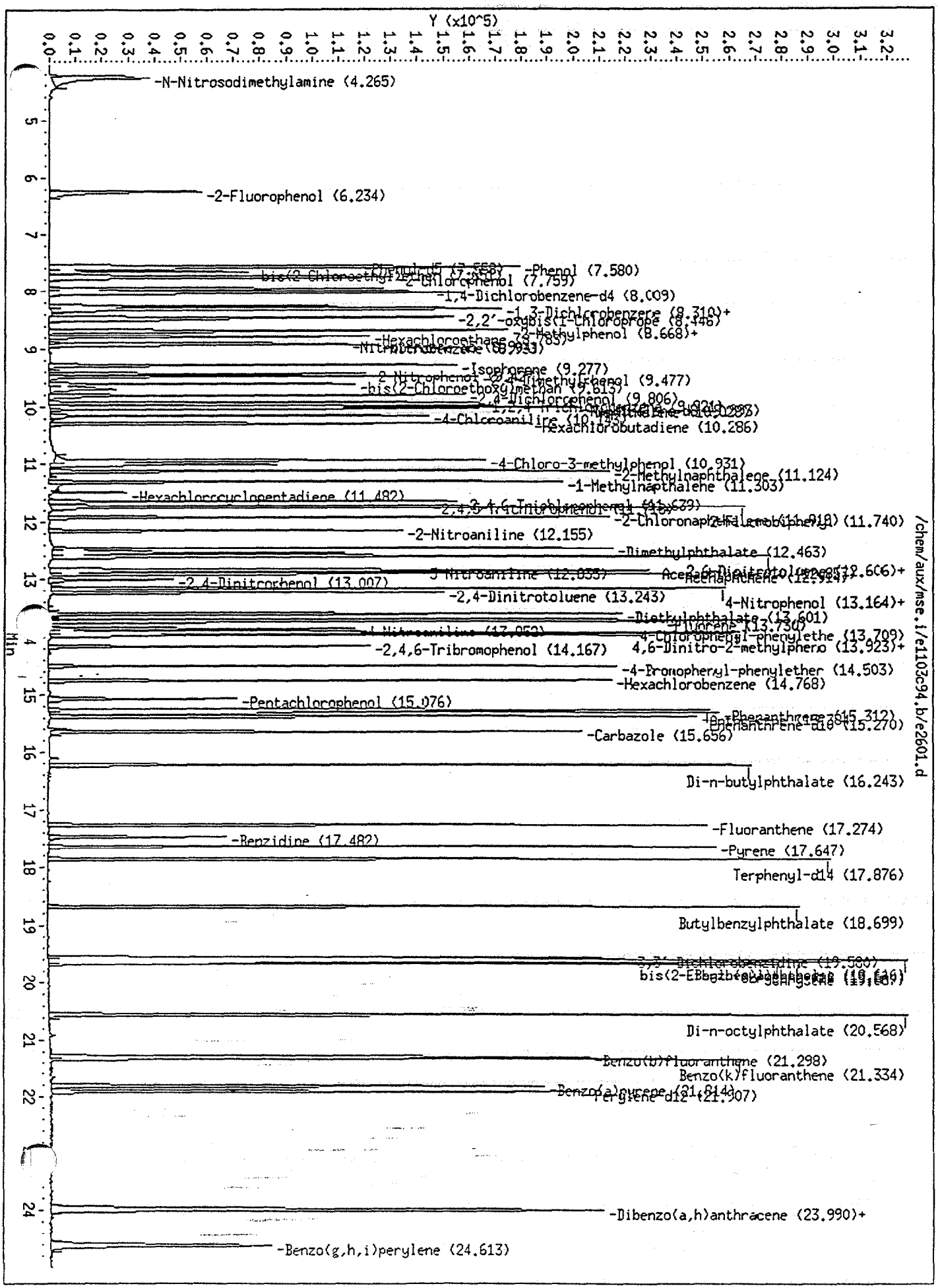
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 2-Methylnaphthalene	142.00	11.125	(1.113)	38171	20.8	10.4
	31 1-Methylnapthalene	142.00	11.304	(1.131)	33044	21.2	10.6(A)
	32 Hexachlorocyclopentadiene	237.00	11.483	(0.000)	856	4.73	2.37(aM)
	33 2,4,6-Trichlorophenol	196.00	11.634	(0.905)	11827	18.8	9.41(a)
	34 2,4,5-Trichlorophenol	196.00	11.727	(0.912)	12012	17.8	8.91(a)
$	35 2-Fluorobiphenyl	172.00	11.741	(0.913)	40937	19.4	9.70(a)
	36 2-Chloronaphthalene	162.00	11.920	(0.927)	36641	20.5	10.2
	37 2-Nitroaniline	65.00	12.149	(0.945)	14289	19.9	9.97(a)
	38 Dimethylphthalate	163.00	12.457	(0.969)	53199	20.8	10.4
	39 2,6-Dinitrotoluene	165.00	12.593	(0.979)	11665	19.6	9.82(a)
	40 Acenaphthylene	152.00	12.608	(0.981)	61137	20.3	10.2
	41 3-Nitroaniline	138.00	12.822	(0.997)	12016	20.4	10.2(a)
*	42 Acenaphthene-d10	164.00	12.858	(1.000)	82466	40.0	
	43 2,4-Dinitrophenol	184.00	13.009	(1.012)	2835	12.4	6.19(a)
	44 Acenaphthene	153.00	12.908	(1.004)	37393	20.2	10.1
	45 4-Nitrophenol	109.00	13.159	(1.023)	6644	16.2	8.11(a)
	46 2,4-Dinitrotoluene	165.00	13.238	(1.030)	17034	21.0	10.5
	47 Dibenzofuran	168.00	13.166	(1.024)	52926	19.8	9.89(a)
	48 Diethylphthalate	149.00	13.596	(1.057)	58764	20.8	10.4
	49 4-Chlorophenyl-phenylether	204.00	13.710	(1.066)	19802	18.0	8.99(a)
	Fluorene	166.00	13.732	(1.068)	42026	19.1	9.57(a)
	51 4-Nitroaniline	138.00	13.839	(1.076)	11382	20.3	10.1(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.904	(0.910)	7138	15.5	7.74(a)
	53 N-Nitrosodiphenylamine	169.00	13.918	(0.911)	31095	19.5	9.73(a)
$	54 2,4,6-Tribromophenol	330.00	14.168	(0.000)	4747	12.4	6.20(aM)
	55 4-Bromophenyl-phenylether	248.00	14.505	(0.950)	11565	16.8	8.38(a)
	57 Pentachlorophenol	266.00	15.078	(0.000)	2772	12.1	6.06(aM)
*	58 Phenanthrene-d10	188.00	15.271	(1.000)	140396	40.0	
	59 Phenanthrene	178.00	15.307	(1.002)	61087	18.6	9.32(a)
	60 Anthracene	178.00	15.378	(1.007)	63177	19.0	9.48(a)
	61 Carbazole	167.00	15.651	(1.025)	56812	20.3	10.2
	62 Di-n-butylphthalate	149.00	16.238	(1.063)	105358	20.3	10.2
	63 Benzidine	184.00	17.476	(0.890)	13216	17.5	8.76(a)
	64 Fluoranthene	202.00	17.269	(1.131)	64377	18.2	9.09(a)
	65 Pyrene	202.00	17.641	(0.898)	66159	19.3	9.65(a)
$	66 Terphenyl-d14	244.00	17.870	(0.910)	42929	18.0	9.00(a)
	67 Butylbenzylphthalate	149.00	18.694	(0.952)	48810	21.6	10.8
	68 bis(2-Ethylhexyl)phthalate	149.00	19.624	(0.999)	65265	19.1	9.56(a)
	69 3,3'-Dichlorobenzidine	252.00	19.567	(0.996)	22072	17.8	8.93(a)
*	70 Chrysene-d12	240.00	19.646	(1.000)	146765	40.0	
	71 Benzo(a)anthracene	228.00	19.610	(0.998)	61237	19.0	9.48(a)
	72 Chrysene	228.00	19.682	(1.002)	54129	18.1	9.06(a)
	73 Di-n-octylphthalate	149.00	20.562	(0.939)	123157	19.1	9.55(a)
	74 Benzo(b)fluoranthene	252.00	21.293	(0.972)	55884	15.0	7.52(a)
	75 Benzo(k)fluoranthene	252.00	21.328	(0.974)	60924	17.2	8.58(aH)
	enzo(a)pyrene	252.00	21.808	(0.995)	50988	16.3	8.17(a)
*	77 Perylene-d12	264.00	21.908	(1.000)	142954	40.0	
	78 Dibenzo(a,h)anthracene	278.00	23.970	(1.094)	46615	15.8	7.92(a)
	79 Indeno(1,2,3-cd)pyrene	276.00	23.978	(1.094)	55982	16.1	8.03(a)

Data File: /chem/aux/mse.i/e1103c94.b/e2600.d
Report Date: 10-Nov-1994 15:32

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
80 Benzo(g,h,i)perylene	276.00	24.601	(1.123)	42779	17.6	8.80(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.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0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2
Min
5 6 7 8 9 10 11 12 13 4 15 16 17 18 19 20 21 22 24
-N-Nitrosodimethylamine (4.265)
-2-Fluorophenol (6.234)
-Phenol (7.580)
2-Chlorophenol (7.759)
-1,4-Dichlorobenzene-d4 (8.009)
-1,3-Dichlorobenzene (8.310)+
-2,2'-oxybis(1-Chloropropane (8.446)
-Hexachloroethane (8.783)
-2-Methylphenol (8.668)+
-Isophorone (9.277)
-2,4-Dimethylphenol (9.477)
-bis(2-Chloroethoxy)methan (9.815)
-2,4-Dichlorophenol (9.806)
-4-Chloroaniline (10.173)
Hexachlorobutadiene (10.286)
-4-Chloro-3-methylphenol (10.931)
-2-Methylnaphthalene (11.124)
-1-Methylnaphthalene (11.303)
-Hexachlorocyclopentadiene (11.482)
-2-Chloronaphthalene (11.740)
-2-Nitroaniline (12.155)
-Dimethylphthalate (12.463)
-2,4-Dinitrophenol (13.007)
-2,4-Dinitrotoluene (13.243)
4-Nitrophenol (13.164)+
-Diethylphthalate (13.601)
-Fluorene (13.730)
4-Chlorophenyl-phenylethe (13.709)
4,6-Dinitro-2-methylphero (13.923)+
-2,4,6-Tribromophenol (14.167)
-4-Bromopheryl-phenylether (14.503)
-Hexachlorobenzene (14.768)
-Pentachlorophenol (15.076)
Phenanthrene (15.312)
Anthracene d10 (15.270)
-Carbazole (15.656)
Di-n-butylphthalate (16.243)
-Fluoranthene (17.274)
-Benzidine (17.482)
-Pyrene (17.647)
Terphenyl-d14 (17.876)
Butylbenzylphthalate (18.699)
Di-n-octylphthalate (20.568)
Benzo(b)fluoranthene (21.298)
Benzo(k)fluoranthene (21.334)
-Dibenzo(a,h)anthracene (23.990)+
-Benzo(g,h,i)perylene (24.613)
Data File: /chem/aux/mse.i/e1103c94.b/e2601.d
/chem/aux/mse.i/e1103c94.b/e2601.d
Page 1

Data File: /chem/aux/mse.i/e1103c94.b/e2601.d
Report Date: 10-Nov-1994 15:32

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1103c94.b/e2601.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-NOV-94 10:07 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : sstd50 11-03-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Meth Date : 10-Nov-1994 15:17
Cal Date : 03-NOV-94 10:07 Cal File: e2601.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

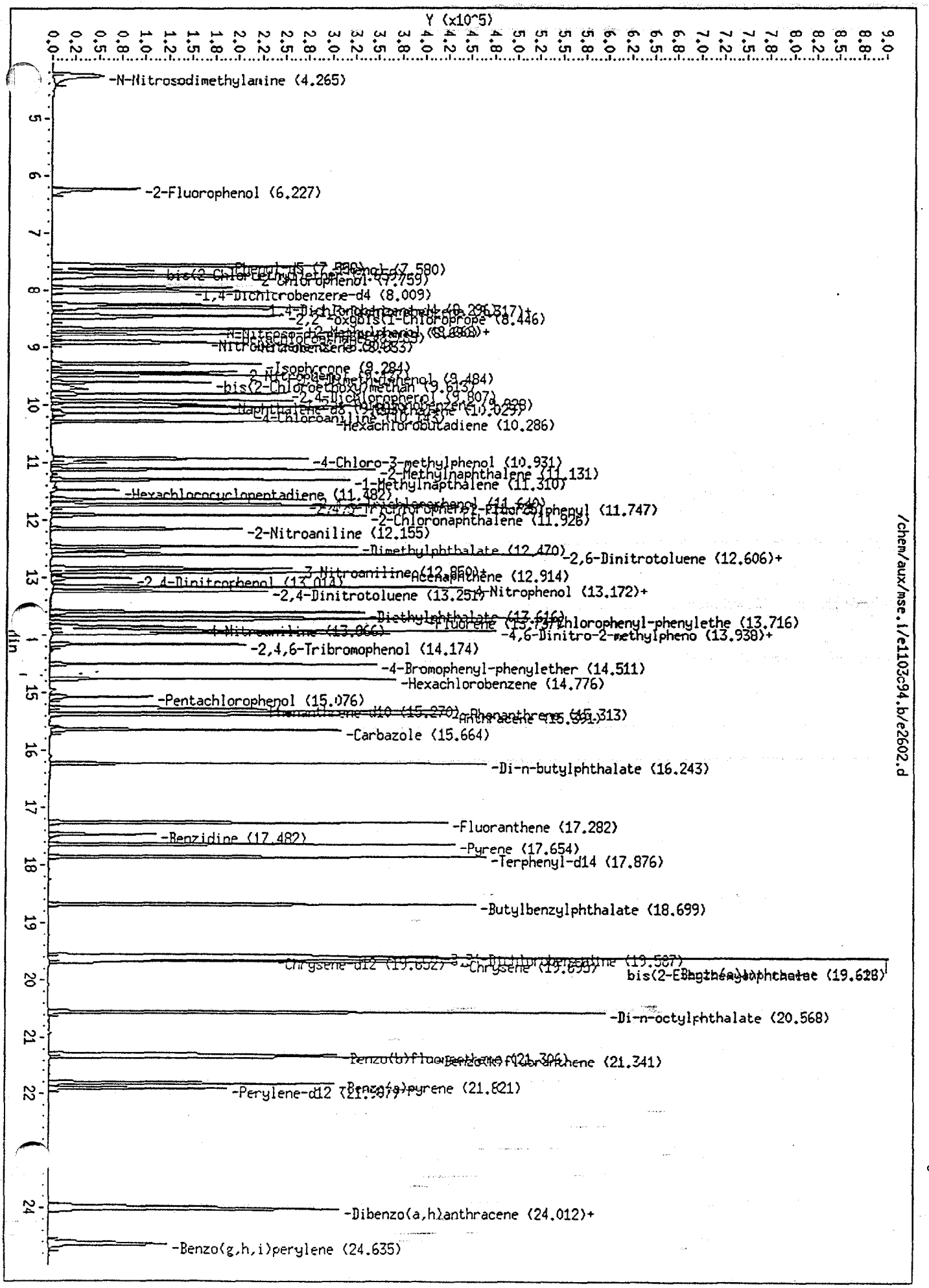
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	1 N-Nitrosodimethylamine	42.00	4.265	(0.514)	19777	33.0	16.5
	2 Pyridine	79.00	4.229	(0.510)	39491	37.1	18.5
$	3 2-Fluorophenol	112.00	6.234	(0.751)	40931	36.7	18.4
$	4 Phenol-d5	99.00	7.558	(0.911)	47254	35.2	17.6
	5 Phenol	94.00	7.573	(0.913)	48389	33.0	16.5
	6 bis(2-Chloroethyl)ether	93.00	7.651	(0.922)	44612	36.6	18.3
	7 2-Chlorophenol	128.00	7.759	(0.935)	42729	35.9	18.0
	8 1,3-Dichlorobenzene	146.00	8.317	(1.003)	42829	34.7	17.4
*	9 1,4-Dichlorobenzene-d4	152.00	8.009	(1.000)	31908	40.0	(H)
	10 1,4-Dichlorobenzene	146.00	8.317	(1.003)	42829	34.7	17.4
	11 2-Methylphenol	108.00	8.668	(1.045)	36924	34.7	17.3
	12 1,2-Dichlorobenzene	146.00	8.317	(1.003)	42829	34.7	17.4
	13 2,2'-oxybis(1-Chloropropene)	45.00	8.460	(1.020)	36294	35.1	17.5
	14 4-Methylphenol	108.00	8.668	(1.045)	36924	34.7	17.3
	15 N-Nitroso-di-n-propylamine	70.00	8.682	(1.047)	31282	34.9	17.5
	16 Hexachloroethane	117.00	8.783	(1.059)	22396	36.7	18.4
$	17 Nitrobenzene-d5	82.00	8.904	(0.891)	52747	48.9	24.4
	18 Nitrobenzene	77.00	8.933	(0.894)	52351	50.5	25.2
	19 Isophorone	82.00	9.277	(0.928)	96877	47.9	24.0
	20 2,4-Dimethylphenol	107.00	9.477	(0.948)	49551	48.3	24.1
	21 2-Nitrophenol	139.00	9.427	(0.943)	28451	50.8	25.4
	22 bis(2-Chloroethoxy)methane	93.00	9.613	(0.962)	52358	49.8	24.9
	23 2,4-Dichlorophenol	162.00	9.806	(0.981)	39227	47.2	23.6
	24 1,2,4-Trichlorobenzene	180.00	9.921	(0.993)	40492	47.2	23.6
*	25 Naphthalene-d8	136.00	9.993	(1.000)	119449	40.0	
	26 Naphthalene	128.00	10.028	(1.004)	112560	45.7	22.8
	27 4-Chloroaniline	127.00	10.143	(1.015)	52627	48.3	24.1
	28 Hexachlorobutadiene	225.00	10.286	(1.029)	28038	47.0	23.5
	29 4-Chloro-3-methylphenol	107.00	10.931	(1.094)	42107	46.3	23.1

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 2-Methylnaphthalene	142.00	11.124	(1.113)	78253	44.7	22.4
	31 1-Methylnapthalene	142.00	11.303	(1.131)	68186	45.8	22.9(A)
	32 Hexachlorocyclopentadiene	237.00	11.482	(0.893)	5407	31.8	15.9
	33 2,4,6-Trichlorophenol	196.00	11.639	(0.905)	27015	45.7	22.9
	34 2,4,5-Trichlorophenol	196.00	11.718	(0.911)	29629	46.8	23.4(a)
$	35 2-Fluorobiphenyl	172.00	11.740	(0.913)	90007	45.4	22.7
	36 2-Chloronaphthalene	162.00	11.919	(0.927)	78559	46.7	23.3
	37 2-Nitroaniline	65.00	12.155	(0.945)	32733	48.6	24.3(a)
	38 Dimethylphthalate	163.00	12.463	(0.969)	113717	47.4	23.7
	39 2,6-Dinitrotoluene	165.00	12.599	(0.979)	24821	44.5	22.2
	40 Acenaphthylene	152.00	12.613	(0.981)	124349	43.9	22.0
	41 3-Nitroaniline	138.00	12.835	(0.998)	26350	47.5	23.8(a)
*	42 Acenaphthene-d10	164.00	12.864	(1.000)	77527	40.0	
	43 2,4-Dinitrophenol	184.00	13.007	(1.011)	9249	42.9	21.5(a)
	44 Acenaphthene	153.00	12.914	(1.004)	78829	45.3	22.7
	45 4-Nitrophenol	109.00	13.157	(1.023)	16675	43.3	21.6(a)
	46 2,4-Dinitrotoluene	165.00	13.243	(1.030)	37043	48.6	24.3
	47 Dibenzofuran	168.00	13.164	(1.023)	113640	45.2	22.6
	48 Diethylphthalate	149.00	13.601	(1.057)	127579	48.0	24.0
	49 4-Chlorophenyl-phenylether	204.00	13.709	(1.066)	47547	45.9	23.0
	luorene	166.00	13.730	(1.067)	92398	44.8	22.4
	4-Nitroaniline	138.00	13.852	(1.077)	26271	49.8	24.9(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.923	(0.912)	18624	42.7	21.4(a)
	53 N-Nitrosodiphenylamine	169.00	13.931	(0.912)	66992	44.4	22.2
$	54 2,4,6-Tribromophenol	330.00	14.167	(1.101)	15135	42.1	21.0
	55 4-Bromophenyl-phenylether	248.00	14.503	(0.950)	27771	42.6	21.3
	56 Hexachlorobenzene	284.00	14.768	(0.967)	31883	41.2	20.6
	57 Pentachlorophenol	266.00	15.076	(0.987)	8261	38.2	19.1(a)
*	58 Phenanthrene-d10	188.00	15.270	(1.000)	132669	40.0	
	59 Phenanthrene	178.00	15.312	(1.003)	138324	44.7	22.3
	60 Anthracene	178.00	15.384	(1.008)	143748	45.6	22.8
	61 Carbazole	167.00	15.656	(1.025)	117935	44.6	22.3
	62 Di-n-butylphthalate	149.00	16.243	(1.064)	224616	45.8	22.9
	63 Benzidine	184.00	17.482	(0.890)	41463	53.5	26.7
	64 Fluoranthene	202.00	17.274	(1.131)	150885	45.1	22.6
	65 Pyrene	202.00	17.647	(0.898)	159187	45.2	22.6
$	66 Terphenyl-d14	244.00	17.876	(0.910)	111943	45.7	22.8
	67 Butylbenzylphthalate	149.00	18.699	(0.952)	106817	45.9	22.9
	68 bis(2-Ethylhexyl)phthalate	149.00	19.623	(0.999)	165749	47.2	23.6
	69 3,3'-Dichlorobenzidine	252.00	19.580	(0.997)	58498	46.0	23.0
*	70 Chrysene-d12	240.00	19.644	(1.000)	150884	40.0	
	71 Benzo(a)anthracene	228.00	19.616	(0.999)	163957	49.4	24.7
	72 Chrysene	228.00	19.687	(1.002)	138882	45.2	22.6
	73 Di-n-octylphthalate	149.00	20.568	(0.939)	272768	43.6	21.8
	74 Benzo(b)fluoranthene	252.00	21.298	(0.972)	146634	40.7	20.3
	enzo(k)fluoranthene	252.00	21.334	(0.974)	171271	49.7	24.8(H)
	enzo(a)pyrene	252.00	21.814	(0.996)	133305	44.0	22.0
*	77 Perylene-d12	264.00	21.907	(1.000)	138704	40.0	
	78 Dibenzo(a,h)anthracene	278.00	23.990	(1.095)	129089	45.2	22.6

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
79 Indeno(1,2,3-cd)pyrene	276.00	23.998	(1.095)	152333	45.0	22.5
80 Benzo(g,h,i)perylene	276.00	24.620	(1.124)	106293	45.1	22.5

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.



Data File: /chem/aux/mse.i/e1103c94.b/e2602.d

/chem/aux/mse.i/e1103c94.b/e2602.d

Data File: /chem/aux/mse.i/e1103c94.b/e2602.d
Report Date: 10-Nov-1994 15:32

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1103c94.b/e2602.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-NOV-94 10:42 Autotune Date: (
Operator : Tom Inst ID: mse.i
Smp Info : sstd80 11-03-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Meth Date : 10-Nov-1994 15:17
Cal Date : 03-NOV-94 10:07 Cal File: e2601.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
	N-Nitrosodimethylamine	42.00	4.265	(0.514)	36750	65.0	32.5	
	2 Pyridine	79.00	4.222	(0.509)	55314	54.9	27.4	
$	3 2-Fluorophenol	112.00	6.227	(0.751)	64190	60.8	30.4	
$	4 Phenol-d5	99.00	7.558	(0.911)	69736	54.9	27.5	
	5 Phenol	94.00	7.573	(0.913)	70299	50.8	25.4	
	6 bis(2-Chloroethyl)ether	93.00	7.659	(0.923)	65401	56.7	28.4	
	7 2-Chlorophenol	128.00	7.759	(0.935)	63284	56.2	28.1	
	8 1,3-Dichlorobenzene	146.00	8.317	(1.003)	65438	56.1	28.1	
*	9 1,4-Dichlorobenzene-d4	152.00	8.009	(1.000)	29448	40.0		(H)
	10 1,4-Dichlorobenzene	146.00	8.317	(1.003)	65438	56.1	28.1	
	11 2-Methylphenol	108.00	8.668	(1.045)	54978	54.6	27.3	
	12 1,2-Dichlorobenzene	146.00	8.317	(1.003)	65438	56.1	28.1	
	13 2,2'-oxybis(1-Chloropropene)	45.00	8.461	(1.020)	55906	57.1	28.6	
	14 4-Methylphenol	108.00	8.668	(1.045)	54978	54.6	27.3	
	15 N-Nitroso-di-n-propylamine	70.00	8.690	(1.047)	49300	58.2	29.1	
	16 Hexachloroethane	117.00	8.783	(1.059)	34049	59.0	29.5	
$	17 Nitrobenzene-d5	82.00	8.904	(0.891)	82320	79.2	39.6	
	18 Nitrobenzene	77.00	8.933	(0.894)	79169	79.3	39.7	
	19 Isophorone	82.00	9.284	(0.929)	151967	78.1	39.1	
	20 2,4-Dimethylphenol	107.00	9.484	(0.949)	78354	79.3	39.6	
	21 2-Nitrophenol	139.00	9.427	(0.943)	42582	78.9	39.5	
	22 bis(2-Chloroethoxy)methane	93.00	9.613	(0.962)	78481	77.6	38.8	
	23 2,4-Dichlorophenol	162.00	9.807	(0.981)	61730	77.1	38.5	
	24 1,2,4-Trichlorobenzene	180.00	9.928	(0.994)	64415	78.0	39.0	
*	25 Naphthalene-d8	136.00	9.993	(1.000)	114999	40.0		
	Naphthalene	128.00	10.029	(1.004)	176140	74.2	37.1	
	4-Chloroaniline	127.00	10.150	(1.016)	83037	79.1	39.6	
	28 Hexachlorobutadiene	225.00	10.293	(1.030)	45525	79.3	39.6	
	29 4-Chloro-3-methylphenol	107.00	10.931	(1.094)	65913	75.2	37.6	

Data File: /chem/aux/mse.i/e1103c94.b/e2602.d
Report Date: 10-Nov-1994 15:32

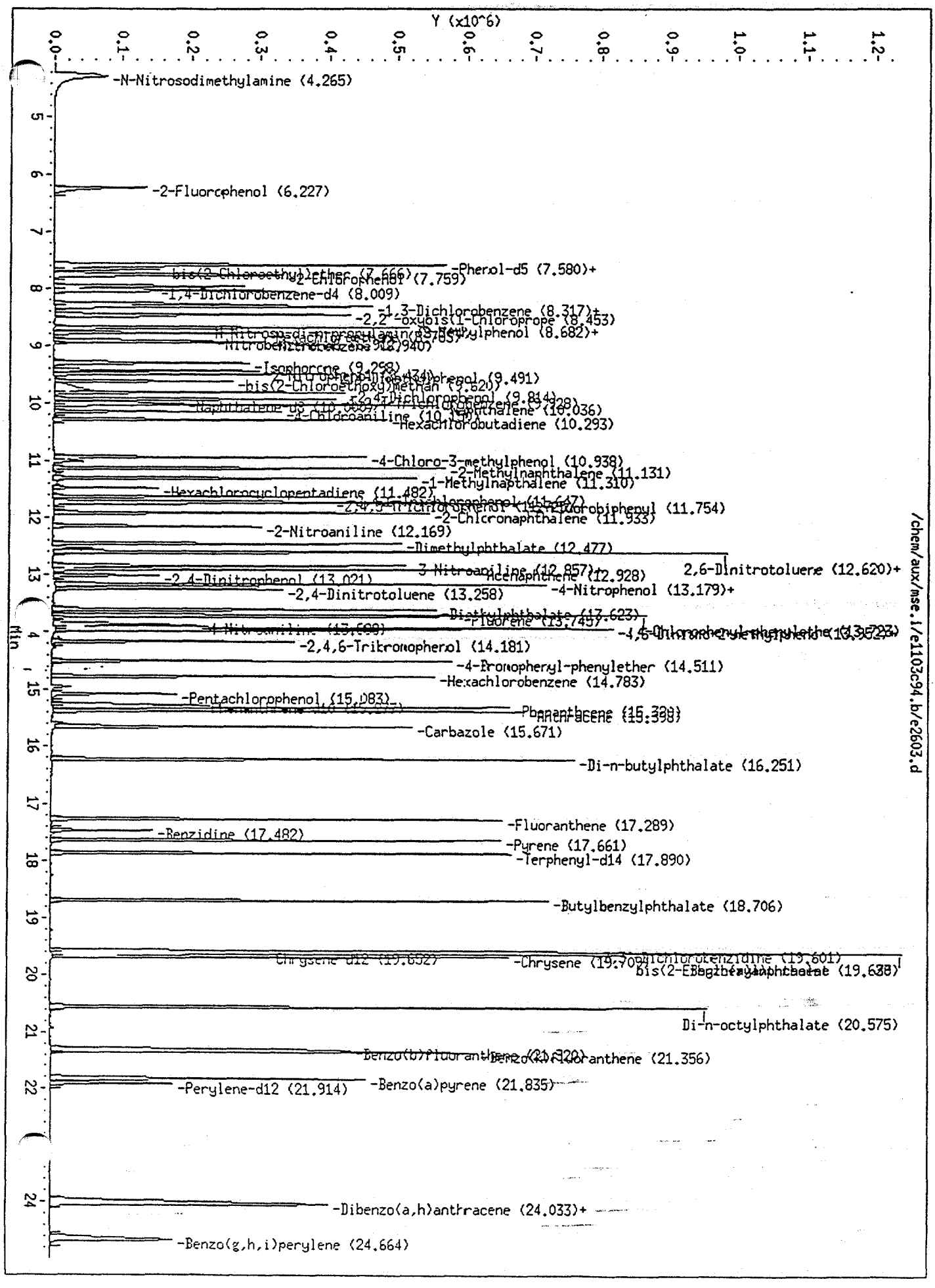
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 2-Methylnaphthalene	142.00	11.131	(1.114)	126400	75.0	37.5
	31 1-Methylnapthalene	142.00	11.310	(1.132)	105726	73.8	36.9(A)
	32 Hexachlorocyclopentadiene	237.00	11.482	(0.893)	13503	82.7	41.3
	33 2,4,6-Trichlorophenol	196.00	11.640	(0.905)	45445	80.1	40.0
	34 2,4,5-Trichlorophenol	196.00	11.725	(0.911)	47388	77.9	38.9
$	35 2-Fluorobiphenyl	172.00	11.747	(0.913)	149452	78.4	39.2
	36 2-Chloronaphthalene	162.00	11.926	(0.927)	126596	78.3	39.2
	37 2-Nitroaniline	65.00	12.155	(0.945)	52299	80.8	40.4
	38 Dimethylphthalate	163.00	12.470	(0.969)	182037	78.9	39.5
	39 2,6-Dinitrotoluene	165.00	12.606	(0.980)	42232	78.8	39.4
	40 Acenaphthylene	152.00	12.613	(0.981)	206360	75.9	38.0
	41 3-Nitroaniline	138.00	12.842	(0.998)	41574	78.1	39.0
*	42 Acenaphthene-d10	164.00	12.864	(1.000)	74467	40.0	
	43 2,4-Dinitrophenol	184.00	13.014	(1.012)	17482	84.5	42.2
	44 Acenaphthene	153.00	12.921	(1.004)	129106	77.3	38.6
	45 4-Nitrophenol	109.00	13.158	(1.023)	29499	79.7	39.8
	46 2,4-Dinitrotoluene	165.00	13.251	(1.030)	58445	79.9	39.9
	47 Dibenzofuran	168.00	13.172	(1.024)	189235	78.3	39.2
	48 Diethylphthalate	149.00	13.616	(1.058)	199821	78.2	39.1
	49 4-Chlorophenyl-phenylether	204.00	13.716	(1.066)	81570	82.0	41.0
	Fluorene	166.00	13.737	(1.068)	154984	78.2	39.1
	51 4-Nitroaniline	138.00	13.866	(1.078)	41892	82.7	41.3
	52 4,6-Dinitro-2-methylphenol	198.00	13.931	(0.912)	32452	78.3	39.1
	53 N-Nitrosodiphenylamine	169.00	13.938	(0.913)	111030	77.3	38.6
$	54 2,4,6-Tribromophenol	330.00	14.174	(1.102)	29644	85.8	42.9
	55 4-Bromophenyl-phenylether	248.00	14.511	(0.950)	50554	81.5	40.8
	56 Hexachlorobenzene	284.00	14.776	(0.968)	58456	79.3	39.7
	57 Pentachlorophenol	266.00	15.084	(0.988)	14682	71.4	35.7
*	58 Phenanthrene-d10	188.00	15.270	(1.000)	126232	40.0	
	59 Phenanthrene	178.00	15.313	(1.003)	233168	79.2	39.6
	60 Anthracene	178.00	15.391	(1.008)	233702	78.0	39.0
	61 Carbazole	167.00	15.664	(1.026)	194452	77.4	38.7
	62 Di-n-butylphthalate	149.00	16.243	(1.064)	361471	77.5	38.7
	63 Benzidine	184.00	17.482	(0.890)	64461	88.6	44.3
	64 Fluoranthene	202.00	17.282	(1.132)	253334	79.6	39.8
	65 Pyrene	202.00	17.654	(0.898)	262167	79.3	39.6
$	66 Terphenyl-d14	244.00	17.883	(0.910)	191251	83.2	41.6
	67 Butylbenzylphthalate	149.00	18.699	(0.952)	167706	76.8	38.4
	68 bis(2-Ethylhexyl)phthalate	149.00	19.623	(0.999)	284371	86.3	43.2
	69 3,3'-Dichlorobenzidine	252.00	19.587	(0.997)	102388	85.8	42.9
*	70 Chrysene-d12	240.00	19.652	(1.000)	141601	40.0	
	71 Benzo(a)anthracene	228.00	19.616	(0.998)	272230	87.4	43.7
	72 Chrysene	228.00	19.695	(1.002)	236383	82.0	41.0
	73 Di-n-octylphthalate	149.00	20.568	(0.939)	438867	77.8	38.9
	74 Benzo(b)fluoranthene	252.00	21.306	(0.973)	249563	76.8	38.4
	enzo(k)fluoranthene	252.00	21.341	(0.974)	294723	94.9	47.5(H)
	Benzo(a)pyrene	252.00	21.821	(0.996)	225249	82.6	41.3
*	77 Perylene-d12	264.00	21.907	(1.000)	124967	40.0	
	78 Dibenzo(a,h)anthracene	278.00	24.012	(1.096)	217422	84.5	42.2

Data File: /chem/aux/mse.i/e1103c94.b/e2602.d
Report Date: 10-Nov-1994 15:32

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
79 Indeno(1,2,3-cd)pyrene	276.00	24.019	(1.096)	254319	83.5	41.7
80 Benzo(g,h,i)perylene	276.00	24.635	(1.125)	171981	81.0	40.5

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.



Data File: /chem/aux/mse.i/e1103c94.b/e2603.d

/chem/aux/mse.i/e1103c94.b/e2603.d

Data File: /chem/aux/mse.i/e1103c94.b/e2603.d Page 1
Report Date: 10-Nov-1994 15:31

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1103c94.b/e2603.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-NOV-94 11:17 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : sstd120 11-03-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Meth Date : 10-Nov-1994 15:17
Cal Date : 03-NOV-94 10:07 Cal File: e2601.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	N-Nitrosodimethylamine	42.00	4.265	(0.514)	57158	107	53.7
	2 Pyridine	79.00	4.222	(0.508)	94733	99.2	49.6
$	3 2-Fluorophenol	112.00	6.234	(0.751)	93985	94.4	47.2
$	4 Phenol-d5	99.00	7.565	(0.911)	106074	88.2	44.1
	5 Phenol	94.00	7.587	(0.914)	120234	91.5	45.8
	6 bis(2-Chloroethyl)ether	93.00	7.666	(0.923)	95614	87.6	43.8
	7 2-Chlorophenol	128.00	7.766	(0.935)	93464	87.7	43.9
	8 1,3-Dichlorobenzene	146.00	8.324	(1.003)	99934	90.6	45.3
*	9 1,4-Dichlorobenzene-d4	152.00	8.009	(1.000)	28977	40.0	(H)
	10 1,4-Dichlorobenzene	146.00	8.324	(1.003)	99934	90.6	45.3
	11 2-Methylphenol	108.00	8.682	(1.046)	88681	92.9	46.5
	12 1,2-Dichlorobenzene	146.00	8.324	(1.003)	99934	90.6	45.3
	13 2,2'-oxybis(1-Chloropropene)	45.00	8.460	(1.019)	81315	87.8	43.9
	14 4-Methylphenol	108.00	8.682	(1.046)	88681	92.9	46.5
	15 N-Nitroso-di-n-propylamine	70.00	8.704	(1.048)	74869	93.6	46.8
	16 Hexachloroethane	117.00	8.783	(1.058)	49521	90.8	45.4
$	17 Nitrobenzene-d5	82.00	8.912	(0.891)	119850	117	58.4
	18 Nitrobenzene	77.00	8.940	(0.894)	113062	115	57.4
	19 Isophorone	82.00	9.298	(0.930)	227745	119	59.3
	20 2,4-Dimethylphenol	107.00	9.491	(0.949)	115418	118	59.2
	21 2-Nitrophenol	139.00	9.434	(0.943)	60614	114	56.9
	22 bis(2-Chloroethoxy)methane	93.00	9.620	(0.962)	113372	114	56.8
	23 2,4-Dichlorophenol	162.00	9.814	(0.981)	94997	120	60.1
	24 1,2,4-Trichlorobenzene	180.00	9.928	(0.993)	99351	122	61.0
*	25 Naphthalene-d8	136.00	10.000	(1.000)	113506	40.0	
	Naphthalene	128.00	10.036	(1.004)	275831	118	58.9
	4-Chloroaniline	127.00	10.150	(1.015)	119108	115	57.5
	28 Hexachlorobutadiene	225.00	10.293	(1.029)	72946	129	64.4
	29 4-Chloro-3-methylphenol	107.00	10.938	(1.094)	103847	120	60.0

Data File: /chem/aux/mse.i/e1103c94.b/e2603.d
Report Date: 10-Nov-1994 15:31

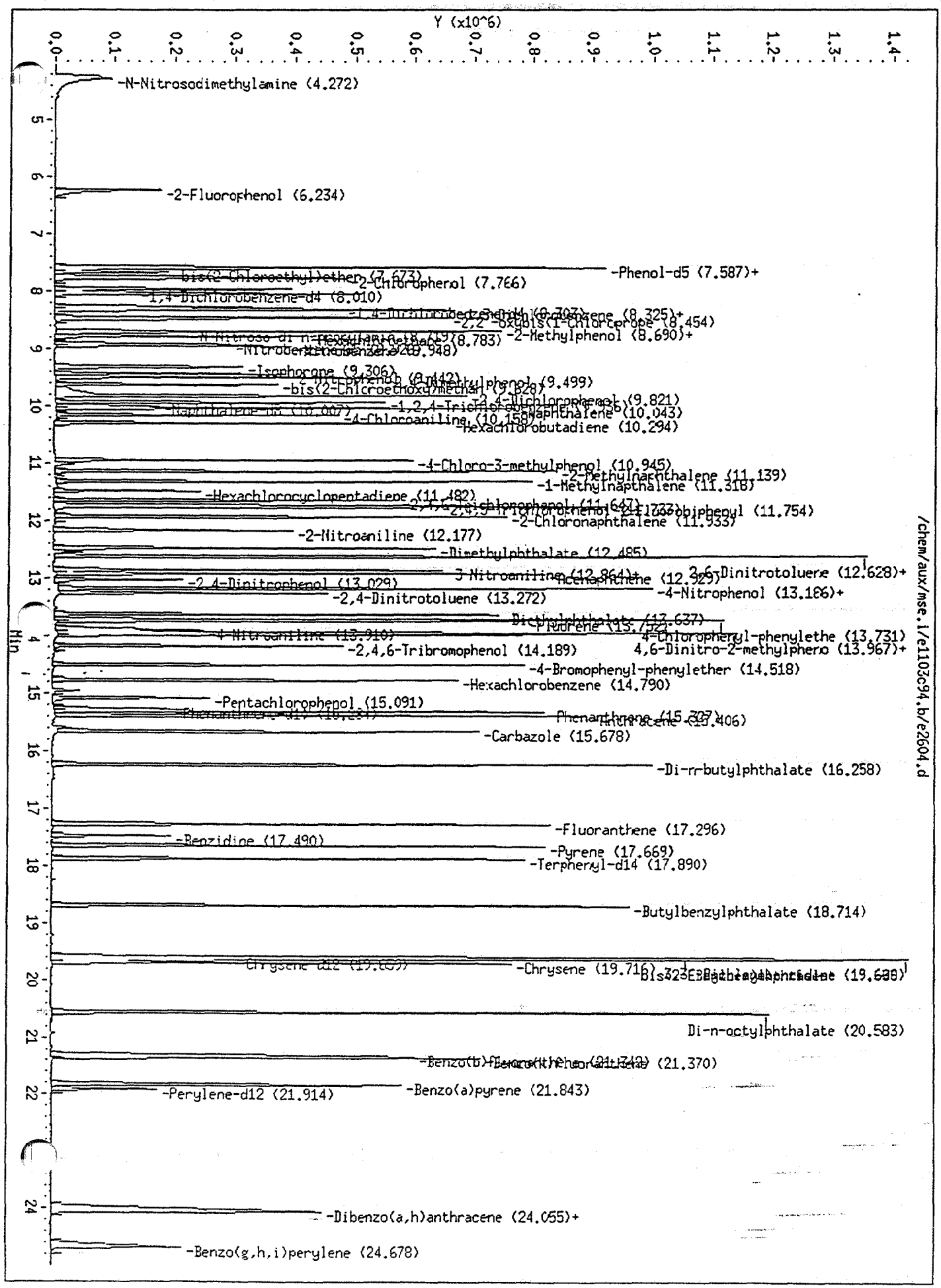
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 2-Methylnaphthalene	142.00	11.131	(1.113)	201491	121	60.6
	31 1-Methylnapthalene	142.00	11.310	(1.131)	168863	119	59.7(A)
	32 Hexachlorocyclopentadiene	237.00	11.482	(0.893)	27786	168	84.3(A)
	33 2,4,6-Trichlorophenol	196.00	11.647	(0.905)	72770	127	63.5
	34 2,4,5-Trichlorophenol	196.00	11.725	(0.911)	78991	129	64.3
$	35 2-Fluorobiphenyl	172.00	11.754	(0.914)	240661	125	62.5
	36 2-Chloronaphthalene	162.00	11.933	(0.928)	195505	120	59.9
	37 2-Nitroaniline	65.00	12.169	(0.946)	80313	123	61.5
	38 Dimethylphthalate	163.00	12.477	(0.970)	279207	120	60.0
	39 2,6-Dinitrotoluene	165.00	12.613	(0.981)	68677	127	63.4
	40 Acenaphthylene	152.00	12.620	(0.981)	349946	128	63.8
	41 3-Nitroaniline	138.00	12.857	(0.999)	64434	120	59.9
*	42 Acenaphthene-d10	164.00	12.864	(1.000)	75177	40.0	
	43 2,4-Dinitrophenol	184.00	13.021	(1.012)	29590	142	70.8
	44 Acenaphthene	153.00	12.928	(1.005)	210498	125	62.4
	45 4-Nitrophenol	109.00	13.165	(1.023)	51589	138	69.0
	46 2,4-Dinitrotoluene	165.00	13.258	(1.031)	87854	119	59.5
	47 Dibenzofuran	168.00	13.179	(1.024)	302918	124	62.1
	48 Diethylphthalate	149.00	13.623	(1.059)	309421	120	60.0
	49 4-Chlorophenyl-phenylether	204.00	13.723	(1.067)	130050	129	64.7
	Fluorene	166.00	13.745	(1.068)	255368	128	63.8
	51 4-Nitroaniline	138.00	13.888	(1.080)	61612	120	60.2
	52 4,6-Dinitro-2-methylphenol	198.00	13.952	(0.913)	55663	136	67.8
	53 N-Nitrosodiphenylamine	169.00	13.952	(0.913)	179133	126	63.0
$	54 2,4,6-Tribromophenol	330.00	14.181	(1.102)	50723	145	72.7
	55 4-Bromophenyl-phenylether	248.00	14.511	(0.950)	82434	134	67.1
	56 Hexachlorobenzene	284.00	14.783	(0.968)	93964	129	64.4
	57 Pentachlorophenol	266.00	15.083	(0.987)	26206	129	64.3
*	58 Phenanthrene-d10	188.00	15.277	(1.000)	125007	40.0	
	59 Phenanthrene	178.00	15.320	(1.003)	371237	127	63.6
	60 Anthracene	178.00	15.398	(1.008)	372909	126	62.8
	61 Carbazole	167.00	15.671	(1.026)	307403	124	61.8
	62 Di-n-butylphthalate	149.00	16.251	(1.064)	562781	122	60.9
	63 Benzidine	184.00	17.489	(0.890)	84975	118	58.8
	64 Fluoranthene	202.00	17.289	(1.132)	407543	129	64.6
	65 Pyrene	202.00	17.661	(0.899)	419368	128	63.9
$	66 Terphenyl-d14	244.00	17.890	(0.910)	298275	131	65.3
	67 Butylbenzylphthalate	149.00	18.706	(0.952)	260821	120	60.2
	68 bis(2-Ethylhexyl)phthalate	149.00	19.630	(0.999)	416378	127	63.7
	69 3,3'-Dichlorobenzidine	252.00	19.594	(0.997)	157618	133	66.6
*	70 Chrysene-d12	240.00	19.652	(1.000)	140537	40.0	
	71 Benzo(a)anthracene	228.00	19.623	(0.999)	387905	125	62.7
	72 Chrysene	228.00	19.709	(1.003)	371309	130	64.9
	73 Di-n-octylphthalate	149.00	20.575	(0.939)	702690	129	64.5
	74 Benzo(b)fluoranthene	252.00	21.320	(0.973)	433310	138	69.0
	Benzo(k)fluoranthene	252.00	21.356	(0.975)	420772	140	70.2(H)
	Benzo(a)pyrene	252.00	21.835	(0.996)	353555	134	67.1
*	77 Perylene-d12	264.00	21.914	(1.000)	120716	40.0	
	78 Dibenzo(a,h)anthracene	278.00	24.033	(1.097)	333717	134	67.1

Data File: /chem/aux/mse.i/e1103c94.b/e2603.d
Report Date: 10-Nov-1994 15:31

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
79 Indeno(1,2,3-cd)pyrene	276.00	24.048	(1.097)	395605	134	67.2
80 Benzo(g,h,i)perylene	276.00	24.664	(1.125)	268744	131	65.5

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.



Data File: /chem/aux/mse.i/e1103c94.b/e2604.d

/chem/aux/mse.i/e1103c94.b/e2604.d

Data File: /chem/aux/mse.i/e1103c94.b/e2604.d
Report Date: 10-Nov-1994 15:31

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1103c94.b/e2604.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-NOV-94 11:52 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : sstd160 11-03-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Meth Date : 10-Nov-1994 15:17
Cal Date : 03-NOV-94 10:07 Cal File: e2601.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	)-Nitrosodimethylamine	42.00	4.272	(0.515)	76502	163	81.6(A)
	2 Pyridine	79.00	4.229	(0.509)	131340	155	77.4(A)
$	3 2-Fluorophenol	112.00	6.234	(0.751)	116670	131	65.7
$	4 Phenol-d5	99.00	7.580	(0.913)	154746	143	71.6
	5 Phenol	94.00	7.594	(0.915)	190705	162	81.1(A)
	6 bis(2-Chloroethyl)ether	93.00	7.673	(0.924)	122439	125	62.5
	7 2-Chlorophenol	128.00	7.773	(0.936)	129199	135	67.5
	8 1,3-Dichlorobenzene	146.00	8.325	(1.003)	141974	144	71.8
*	9 1,4-Dichlorobenzene-d4	152.00	8.010	(1.000)	28188	40.0	(H)
	10 1,4-Dichlorobenzene	146.00	8.325	(1.003)	141974	144	71.8
	11 2-Methylphenol	108.00	8.690	(1.047)	127780	150	74.9
	12 1,2-Dichlorobenzene	146.00	8.325	(1.003)	141974	144	71.8
	13 2,2'-oxybis(1-Chloropropene)	45.00	8.461	(1.019)	114463	138	68.8
	14 4-Methylphenol	108.00	8.690	(1.047)	127780	150	74.9
	15 N-Nitroso-di-n-propylamine	70.00	8.719	(1.050)	106179	148	74.3
	16 Hexachloroethane	117.00	8.783	(1.058)	64715	132	66.2
$	17 Nitrobenzene-d5	82.00	8.919	(0.892)	158250	159	79.7
	18 Nitrobenzene	77.00	8.948	(0.895)	149401	157	78.3
	19 Isophorone	82.00	9.306	(0.931)	299374	161	80.5(A)
	20 2,4-Dimethylphenol	107.00	9.499	(0.950)	159376	169	84.4(A)
	21 2-Nitrophenol	139.00	9.442	(0.944)	78517	152	76.2
	22 bis(2-Chloroethoxy)methane	93.00	9.628	(0.963)	154034	159	79.7
	23 2,4-Dichlorophenol	162.00	9.821	(0.982)	132038	172	86.3(A)
	24 1,2,4-Trichlorobenzene	180.00	9.936	(0.994)	133866	170	84.8(A)
*	25 Naphthalene-d8	136.00	10.000	(1.000)	109875	40.0	
	)phthalene	128.00	10.043	(1.004)	403775	178	89.0(A)
	4-Chloroaniline	127.00	10.158	(1.016)	163279	163	81.4(A)
	28 Hexachlorobutadiene	225.00	10.294	(1.029)	98261	179	89.6(A)
	29 4-Chloro-3-methylphenol	107.00	10.945	(1.095)	145067	173	86.6(A)

Data File: /chem/aux/mse.i/e1103c94.b/e2604.d
Report Date: 10-Nov-1994 15:31

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 2-Methylnaphthalene	142.00	11.139	(1.114)	287570	179	89.3(A)
	31 1-Methylnapthalene	142.00	11.318	(1.132)	242682	177	88.6(A)
	32 Hexachlorocyclopentadiene	237.00	11.482	(0.893)	45067	270	135(A)
	33 2,4,6-Trichlorophenol	196.00	11.654	(0.906)	100644	174	86.8(A)
	34 2,4,5-Trichlorophenol	196.00	11.733	(0.912)	112077	180	90.2(A)
$	35 2-Fluorobiphenyl	172.00	11.762	(0.914)	342976	176	88.1(A)
	36 2-Chloronaphthalene	162.00	11.933	(0.928)	281538	170	85.3(A)
	37 2-Nitroaniline	65.00	12.177	(0.947)	105231	159	79.6
	38 Dimethylphthalate	163.00	12.485	(0.971)	386143	164	82.0(A)
	39 2,6-Dinitrotoluene	165.00	12.628	(0.982)	95098	174	86.8(A)
	40 Acenaphthylene	152.00	12.628	(0.982)	485654	175	87.5(A)
	41 3-Nitroaniline	138.00	12.864	(1.000)	91833	169	84.4(A)
*	42 Acenaphthene-d10	164.00	12.864	(1.000)	76045	40.0	
	43 2,4-Dinitrophenol	184.00	13.036	(1.013)	43474	206	103(A)
	44 Acenaphthene	153.00	12.936	(1.006)	293330	172	86.0(A)
	45 4-Nitrophenol	109.00	13.179	(1.024)	71129	188	94.1(A)
	46 2,4-Dinitrotoluene	165.00	13.272	(1.032)	118024	158	79.0
	47 Dibenzofuran	168.00	13.186	(1.025)	431574	175	87.5(A)
	48 Diethylphthalate	149.00	13.637	(1.060)	428043	164	82.0(A)
	49 4-Chlorophenyl-phenylether	204.00	13.731	(1.067)	175422	173	86.3(A)
	50 Fluorene	166.00	13.752	(1.069)	358653	177	88.6(A)
	51 4-Nitroaniline	138.00	13.910	(1.081)	78753	152	76.1
	52 4,6-Dinitro-2-methylphenol	198.00	13.967	(0.914)	80817	202	101(A)
	53 N-Nitrosodiphenylamine	169.00	13.967	(0.914)	249410	180	89.9(A)
$	54 2,4,6-Tribromophenol	330.00	14.189	(1.103)	70843	201	100(A)
	55 4-Bromophenyl-phenylether	248.00	14.518	(0.950)	112145	187	93.7(A)
	56 Hexachlorobenzene	284.00	14.790	(0.968)	126459	178	88.9(A)
	57 Pentachlorophenol	266.00	15.091	(0.988)	40355	203	102(A)
*	58 Phenanthrene-d10	188.00	15.277	(1.000)	121815	40.0	
	59 Phenanthrene	178.00	15.327	(1.003)	510828	180	89.9(A)
	60 Anthracene	178.00	15.406	(1.008)	516975	179	89.4(A)
	61 Carbazole	167.00	15.678	(1.026)	424549	175	87.5(A)
	62 Di-n-butylphthalate	149.00	16.258	(1.064)	781989	174	86.8(A)
	63 Benzidine	184.00	17.490	(0.890)	110102	154	77.2
	64 Fluoranthene	202.00	17.296	(1.132)	548806	179	89.3(A)
	65 Pyrene	202.00	17.669	(0.899)	558377	172	86.1(A)
$	66 Terphenyl-d14	244.00	17.890	(0.910)	381433	169	84.6(A)
	67 Butylbenzylphthalate	149.00	18.714	(0.952)	356942	167	83.3(A)
	68 bis(2-Ethylhexyl)phthalate	149.00	19.638	(0.999)	496045	154	76.8
	69 3,3'-Dichlorobenzidine	252.00	19.609	(0.997)	187750	160	80.3(A)
*	70 Chrysene-d12	240.00	19.659	(1.000)	138828	40.0	
	71 Benzo(a)anthracene	228.00	19.630	(0.999)	453264	148	74.2
	72 Chrysene	228.00	19.716	(1.003)	489875	173	86.7(A)
	73 Di-n-octylphthalate	149.00	20.583	(0.939)	940700	180	90.0(A)
	74 Benzo(b)fluoranthene	252.00	21.342	(0.974)	638100	212	106(A)
	75 Benzo(k)fluoranthene	252.00	21.370	(0.975)	364854	127	63.4(H)
	76 Benzo(a)pyrene	252.00	21.843	(0.997)	465872	184	92.1(A)
*	77 Perylene-d12	264.00	21.914	(1.000)	115850	40.0	
	78 Dibenzo(a,h)anthracene	278.00	24.048	(1.097)	430578	180	90.3(A)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
79 Indeno(1,2,3-cd)pyrene	276.00	24.070	(1.098)	511884	181	90.6(A)
80 Benzo(g,h,i)perylene	276.00	24.678	(1.126)	350678	178	89.1(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Report Date : 18-Nov-1994 10:01

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

Calibration File Names:
Level 1: /chem/aux/msb.i/b1112a94.b/b4937.d
Level 2: /chem/aux/msb.i/b1112a94.b/b4938.d
Level 3: /chem/aux/msb.i/b1112a94.b/b4939.d
Level 4: /chem/aux/msb.i/b1112a94.b/b4940.d
Level 5: /chem/aux/msb.i/b1112a94.b/b4941.d

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
2	Pyridine	0.79229	0.79347	0.82440	0.89213	0.90896	0.84225	6.539
1	N-Nitrosodimethylamine	0.50137	0.46073	0.50474	0.54790	0.54798	0.51254	7.152
5	Phenol	1.15938	1.09345	1.12160	1.16574	1.17931	1.14390	3.095
6	bis(2-Chloroethyl)ether	1.04445	0.95101	1.00813	1.03318	1.07298	1.02195	4.500
7	2-Chlorophenol	1.12060	1.03339	1.06927	1.07699	1.05221	1.07049	3.051
8	1,3-Dichlorobenzene	1.20700	1.12319	1.16066	1.13914	1.15465	1.15693	2.727
10	1,4-Dichlorobenzene	1.25879	1.13270	1.14640	1.14547	1.10188	1.15705	5.156
11	1,2-Dichlorobenzene	1.17978	1.04669	1.05680	1.03747	0.99396	1.06294	6.545
12	2-Methylphenol	0.84178	0.76964	0.81026	0.81041	0.81840	0.81010	3.213
13	2,2'-oxybis(1-Chloropropene)	1.00038	0.92810	0.96225	0.97647	1.01151	0.97574	3.375
14	4-Methylphenol	0.88231	0.82495	0.87238	0.88372	0.89955	0.87258	3.249
15	N-Nitroso-di-n-propylamine	0.75648	0.67918	0.71297	0.73418	0.74655	0.72587	4.235
16	Hexachloroethane	0.58212	0.54407	0.56270	0.56418	0.54951	0.56052	2.641
18	Nitrobenzene	0.33424	0.30241	0.32392	0.32182	0.31402	0.31928	3.719
19	Isophorone	0.65576	0.59711	0.65938	0.67251	0.66712	0.65037	4.688
21	2-Nitrophenol	0.22134	0.20202	0.22075	0.21777	0.21235	0.21485	3.726
20	2,4-Dimethylphenol	0.32672	0.29807	0.31965	0.31475	0.31032	0.31390	3.423
22	bis(2-Chloroethoxy)methane	0.40770	0.37478	0.38813	0.39541	0.38808	0.39082	3.076
23	2,4-Dichlorophenol	0.30694	0.28382	0.29660	0.29134	0.28202	0.29214	3.470
24	1,2,4-Trichlorobenzene	0.34455	0.30956	0.31207	0.31277	0.28110	0.31201	7.203
26	Naphthalene	0.86695	0.78756	0.80173	0.77674	0.70485	0.78757	7.366
27	4-Chloroaniline	0.43361	0.39063	0.41192	0.39425	0.38455	0.40299	4.942
28	Hexachlorobutadiene	0.19085	0.15678	0.16662	0.15251	0.14289	0.16193	11.286
29	4-Chloro-3-methylphenol	0.31735	0.30081	0.31452	0.30512	0.29501	0.30656	3.044
[illegible]	2-Methylnaphthalene	0.57379	0.50604	0.52421	0.50667	0.49266	0.52067	6.096
[illegible]	1-Methylnaphthalene	1.61886	1.43569	1.46891	1.47906	1.43952	1.48841	5.056
32	Hexachlorocyclopentadiene	0.27181	0.30511	0.34244	0.34749	0.33519	0.32041	9.910

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

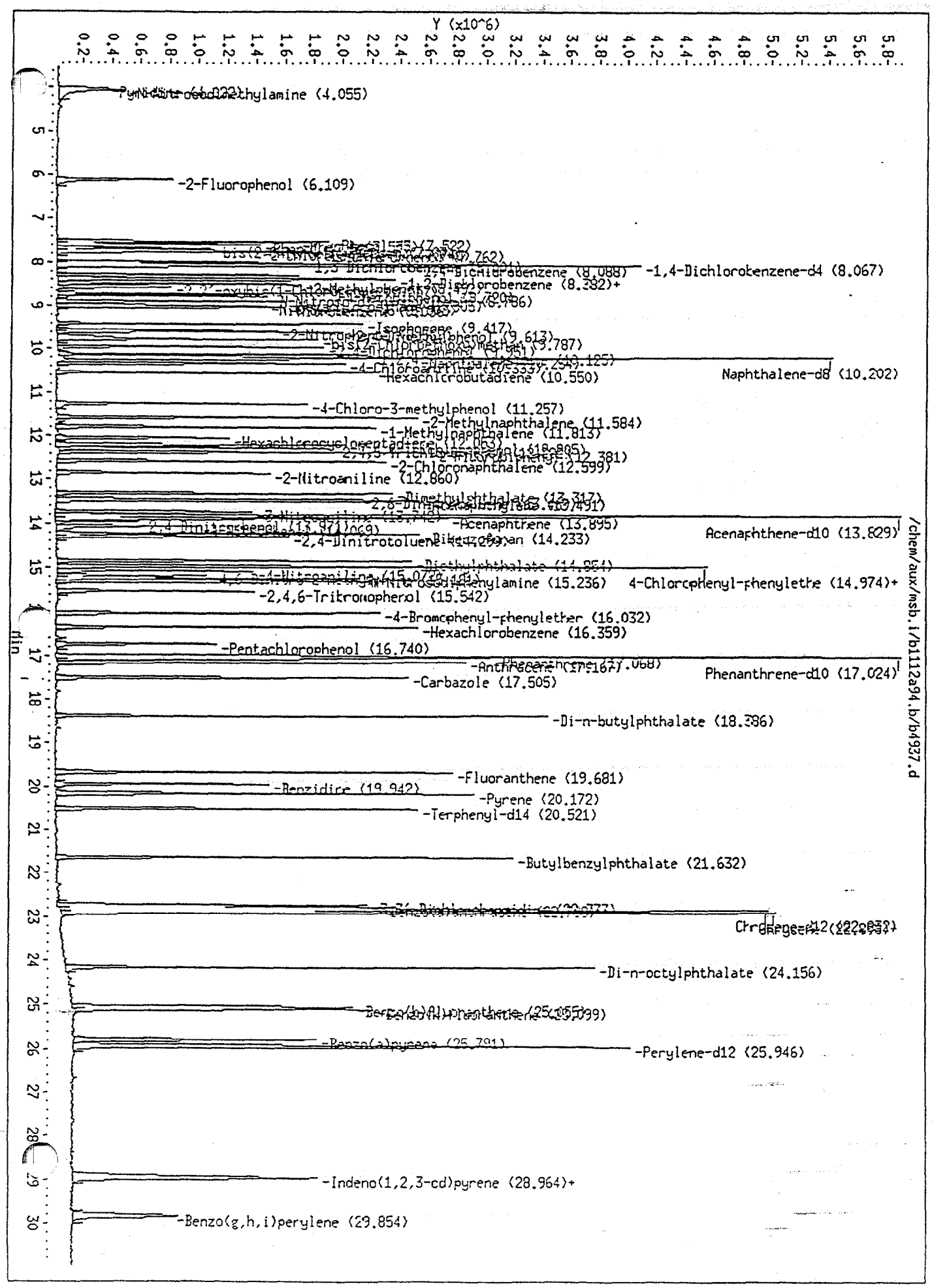
	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
33	2,4,6-Trichlorophenol	0.37967	0.36724	0.37842	0.37255	0.37203	0.37398	1.360
34	2,4,5-Trichlorophenol	0.39588	0.39461	0.40554	0.39497	0.39511	0.39722	1.176
36	2-Chloronaphthalene	0.97321	0.90065	0.90808	0.86863	0.85687	0.90149	5.041
37	2-Nitroaniline	0.31356	0.30487	0.32509	0.32645	0.33002	0.32000	3.271
38	Dimethylphthalate	1.37126	1.25957	1.30071	1.26202	1.25300	1.28931	3.838
39	2,6-Dinitrotoluene	0.33686	0.31647	0.31805	0.30369	0.27874	0.31076	6.906
	Acenaphthylene	1.53963	1.41233	1.40802	1.33519	1.23517	1.38607	8.075
41	3-Nitroaniline	0.35761	0.33476	0.36538	0.36749	0.36782	0.35861	3.892
44	Acenaphthene	0.93454	0.86509	0.88579	0.84941	0.80977	0.86892	5.300
43	2,4-Dinitrophenol	+++++	0.16695	0.20798	0.22576	0.23942	0.21003	14.984
45	4-Nitrophenol	0.21295	0.21436	0.23257	0.23508	0.23693	0.22638	5.181
47	Dibenzofuran	1.37321	1.25161	1.29323	1.28700	1.25801	1.29261	3.752
46	2,4-Dinitrotoluene	0.48606	0.45883	0.49212	0.50464	0.50484	0.48930	3.856
48	Diethylphthalate	1.47026	1.40680	1.47734	1.41834	1.37785	1.43012	2.978
49	4-Chlorophenyl-phenylether	0.57636	0.51308	0.49261	0.44760	0.40215	0.48636	13.579
50	Fluorene	1.04980	0.95511	0.94645	0.88624	0.81754	0.93103	9.272
51	4-Nitroaniline	0.36543	0.34422	0.37665	0.38832	0.40028	0.37498	5.748
52	4,6-Dinitro-2-methylphenol	0.14193	0.15640	0.17513	0.18083	0.16636	0.16413	9.427
53	N-Nitrosodiphenylamine	0.45018	0.42296	0.42967	0.43017	0.38873	0.42434	5.270
55	4-Bromophenyl-phenylether	0.23358	0.21211	0.21344	0.20743	0.18849	0.21101	7.629
56	Hexachlorobenzene	0.31038	0.28563	0.28777	0.27665	0.25749	0.28358	6.757
57	Pentachlorophenol	0.09976	0.12092	0.13381	0.14174	0.13004	0.12525	12.852
60	Phenanthrene	0.96829	0.88147	0.89081	0.85226	0.78699	0.87596	7.498
61	Anthracene	0.95829	0.88848	0.88852	0.84434	0.77005	0.86994	7.949
62	Carbazole	0.89892	0.82649	0.84897	0.82090	0.76961	0.83298	5.633
63	Di-n-butylphthalate	1.58940	1.45616	1.44969	1.26605	1.04798	1.36186	15.406
64	Fluoranthene	1.10136	0.98312	0.99298	0.94237	0.86649	0.97727	8.738
65	Benzidine	0.57574	0.31386	0.26411	+++++	+++++	0.38457	43.533
66	Pyrene	1.28156	1.06454	1.23910	1.22459	1.15664	1.19329	7.110
68	Butylbenzylphthalate	0.88680	0.74359	0.85434	0.83441	0.80933	0.82569	6.533
71	3,3'-Dichlorobenzidine	0.43381	0.37172	0.41971	0.39284	0.34851	0.39332	8.817
	Benzo(a)anthracene	0.96154	0.76810	0.90200	0.89423	0.81072	0.86732	8.903
	Chrysene	0.84636	0.65263	0.75165	0.68572	0.58647	0.70457	14.073
70	bis(2-Ethylhexyl)phthalate	1.15736	0.94002	1.00272	0.92529	0.79467	0.96401	13.686

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
	75 Di-n-octylphthalate	2.11059	2.15496	2.33836	2.15969	1.85688	2.12410	8.145
	76 Benzo(b)fluoranthene	1.01571	1.13149	0.98400	1.24004	1.27934	1.13011	11.604
	77 Benzo(k)fluoranthene	1.10871	0.87369	1.04198	0.88955	0.78885	0.94056	13.928
	78 Benzo(a)pyrene	0.86343	0.85528	0.91446	0.91441	0.86478	0.88247	3.332
	81 Indeno(1,2,3-cd)pyrene	0.87724	0.80646	0.86076	0.81735	0.70603	0.81357	8.225
	80 Dibenzo(a,h)anthracene	0.75514	0.72844	0.72915	0.75477	0.67649	0.72880	4.396
	82 Benzo(g,h,i)perylene	0.62723	0.59232	0.68752	0.64187	0.55661	0.62111	7.997
$	3 2-Fluorophenol	0.95555	0.90831	0.96279	1.01795	1.00962	0.97084	4.587
$	4 Phenol-d5	1.17822	1.08361	1.15011	1.15626	1.16873	1.14739	3.249
$	88 2-Chlorobenzene-D4	1.07236	0.98229	1.02150	1.03849	1.00759	1.02445	3.297
$	87 1,2-Dichlorobenzene-D4	0.76309	0.68799	0.70269	0.68516	0.66496	0.70078	5.328
$	17 Nitrobenzene-d5	0.33318	0.30563	0.33022	0.32264	0.31734	0.32180	3.413
$	35 2-Fluorobiphenyl	1.02782	0.95284	0.96342	0.92947	0.89245	0.95320	5.226
$	54 2,4,6-Tribromophenol	0.20529	0.21346	0.23250	0.22799	0.20991	0.21783	5.419
$	67 Terphenyl-d14	0.79686	0.64281	0.75602	0.74050	0.70146	0.72753	8.027



Data File: /chem/aux/msb.i/b1112a94.b/b4937.d

Data File: /chem/aux/msb.i/b1112a94.b/b4937.d
Report Date: 18-Nov-1994 09:41

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1112a94.b/b4937.d
Lab. Id. : Quant Type: ISTD
Inj Date : 12-NOV-94 15:32 Autotune Date: (
Operator : Tom Inst ID: msb.i
Smp Info : sstd20 11-12-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Meth Date : 18-Nov-1994 09:36
Cal Date : 12-NOV-94 15:32 Cal File: b4937.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	4.022	(0.499)	510673	18.8	9.41(a)
1	N-Nitrosodimethylamine	42.00	4.066	(0.505)	323160	19.6	9.78(a)
$ 3	2-Fluorophenol	112.00	6.109	(0.758)	615899	19.7	9.84(a)
$ 4	Phenol-d5	99.00	7.511	(0.932)	759426	20.5	10.3
5	Phenol	94.00	7.533	(0.935)	747279	44.0	22.0(H)
6	bis(2-Chloroethyl)ether	93.00	7.674	(0.953)	673200	20.4	10.2
7	2-Chlorophenol	128.00	7.762	(0.964)	722287	20.9	10.5
$ 88	2-Chlorobenzene-D4	132.00	7.740	(0.961)	691192	20.9	10.5(A)
8	1,3-Dichlorobenzene	146.00	8.001	(0.993)	777972	20.9	10.4
* 9	1,4-Dichlorobenzene-d4	152.00	8.056	(1.000)	1289105	40.0	
10	1,4-Dichlorobenzene	146.00	8.088	(1.004)	811358	21.8	10.9
11	1,2-Dichlorobenzene	146.00	8.393	(1.042)	760433	22.2	11.1
$ 87	1,2-Dichlorobenzene-D4	152.00	8.371	(1.039)	491850	21.8	10.9(A)
12	2-Methylphenol	108.00	8.492	(1.054)	542570	20.8	10.4
13	2,2'-oxybis(1-Chloropropene)	45.00	8.557	(1.062)	644796	20.5	10.2
14	4-Methylphenol	108.00	8.720	(1.083)	568694	20.2	10.1
15	N-Nitroso-di-n-propylamine	70.00	8.786	(1.091)	487588	20.8	10.4
16	Hexachloroethane	117.00	8.905	(1.105)	375208	20.8	10.4
$ 17	Nitrobenzene-d5	82.00	9.003	(0.883)	693483	20.7	10.4
18	Nitrobenzene	77.00	9.036	(0.886)	695670	20.9	10.5
19	Isophorone	82.00	9.417	(0.923)	1364889	20.2	10.1
21	2-Nitrophenol	139.00	9.569	(0.938)	460693	20.6	10.3
20	2,4-Dimethylphenol	107.00	9.613	(0.942)	680036	20.8	10.4
22	bis(2-Chloroethoxy)methane	93.00	9.787	(0.959)	848578	20.9	10.4
23	2,4-Dichlorophenol	162.00	9.962	(0.976)	638853	21.0	10.5
	1,2,4-Trichlorobenzene	180.00	10.125	(0.993)	717130	22.1	11.0
*	Naphthalene-d8	136.00	10.202	(1.000)	4162753	40.0	
26	Naphthalene	128.00	10.234	(1.003)	1804445	22.0	11.0
27	4-Chloroaniline	127.00	10.333	(1.013)	902511	21.5	10.8

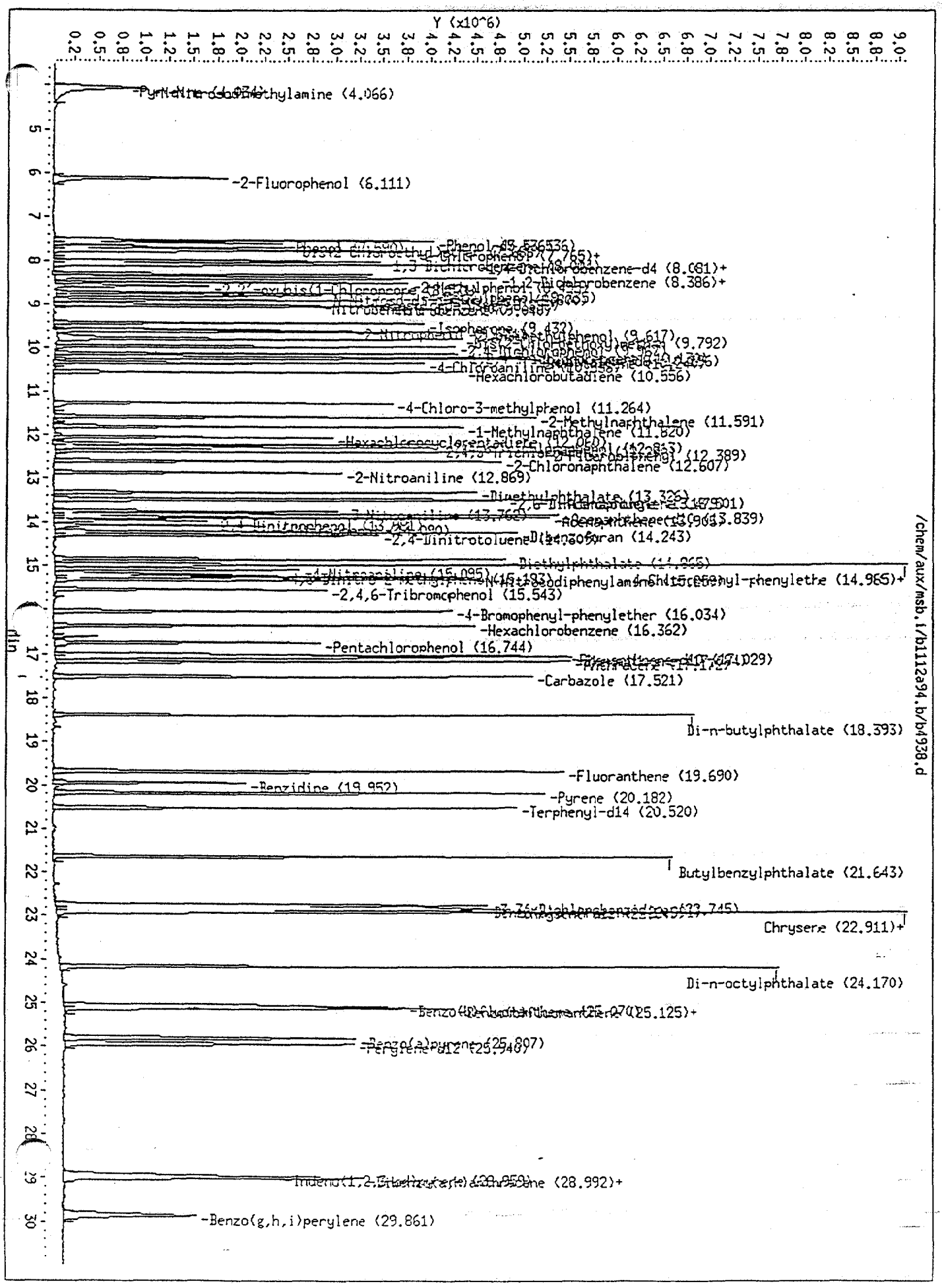
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	10.550	(1.034)	397225	23.6	11.8
	29 4-Chloro-3-methylphenol	107.00	11.257	(1.103)	660526	20.7	10.4
	30 2-Methylnaphthalene	142.00	11.584	(1.135)	1194277	22.0	11.0
	31 1-Methylnaphthalene	142.00	11.813	(1.466)	1043443	21.8	10.9(A)
	32 Hexachlorocyclopentadiene	237.00	12.053	(0.872)	364758	17.0	8.48(a)
	33 2,4,6-Trichlorophenol	196.00	12.205	(0.883)	509496	20.3	10.2
	34 2,4,5-Trichlorophenol	196.00	12.282	(0.888)	531248	19.9	9.97(a)
$	35 2-Fluorobiphenyl	172.00	12.381	(0.895)	1379276	21.6	10.8
	36 2-Chloronaphthalene	162.00	12.599	(0.911)	1305991	21.6	10.8
	37 2-Nitroaniline	65.00	12.860	(0.930)	420774	19.6	9.80(a)
	38 Dimethylphthalate	163.00	13.317	(0.963)	1840151	21.3	10.6
	39 2,6-Dinitrotoluene	165.00	13.469	(0.974)	452048	21.7	10.8
	40 Acenaphthylene	152.00	13.491	(0.976)	2066088	22.2	11.1
	41 3-Nitroaniline	138.00	13.753	(0.994)	479891	19.9	9.97(a)
*	42 Acenaphthene-d10	164.00	13.829	(1.000)	2633875	40.0	
	44 Acenaphthene	153.00	13.895	(1.005)	1254099	21.5	10.8
	43 2,4-Dinitrophenol	184.00	13.971	(0.000)	176075	12.5	6.25(aM)
	45 4-Nitrophenol	109.00	14.069	(1.017)	235765	18.8	9.41(a)
	47 Dibenzofuran	168.00	14.233	(1.029)	1842768	21.2	10.6
	46 2,4-Dinitrotoluene	165.00	14.299	(1.034)	652264	19.9	9.93(a)
	48 Diethylphthalate	149.00	14.854	(1.074)	1973000	20.6	10.3
	49 4-Chlorophenyl-phenylether	204.00	14.974	(1.083)	773443	23.7	11.8
	50 Fluorene	166.00	14.985	(1.084)	1408761	22.6	11.3
	51 4-Nitroaniline	138.00	15.072	(1.090)	490379	19.5	9.74(a)
	52 4,6-Dinitro-2-methylphenol	198.00	15.181	(0.000)	317915	17.4	8.68(aM)
	53 N-Nitrosodiphenylamine	169.00	15.236	(0.895)	1008389	21.2	10.6
$	54 2,4,6-Tribromophenol	330.00	15.542	(1.124)	275488	18.8	9.42(a)
	55 4-Bromophenyl-phenylether	248.00	16.032	(0.942)	523217	22.1	11.1
	56 Hexachlorobenzene	284.00	16.359	(0.961)	695245	21.9	10.9
	57 Pentachlorophenol	266.00	16.740	(0.000)	223463	15.2	7.58(aM)
*	59 Phenanthrene-d10	188.00	17.024	(1.000)	4479945	40.0	
	60 Phenanthrene	178.00	17.068	(1.003)	2168938	22.1	11.0
	61 Anthracene	178.00	17.167	(1.008)	2146552	22.0	11.0
	62 Carbazole	167.00	17.505	(1.028)	2013553	21.6	10.8
	63 Di-n-butylphthalate	149.00	18.386	(1.080)	3560213	23.3	11.7
	64 Fluoranthene	202.00	19.681	(1.156)	2467021	22.5	11.3
	65 Benzidine	184.00	19.942	(0.873)	1117524	29.9	15.0
	66 Pyrene	202.00	20.172	(0.883)	2437778	21.5	10.7
$	67 Terphenyl-d14	244.00	20.521	(0.899)	1546867	21.9	11.0
	68 Butylbenzylphthalate	149.00	21.632	(0.947)	1721459	21.5	10.7
	71 3,3'-Dichlorobenzidine	252.00	22.733	(0.996)	842115	22.0	11.0
	72 Benzo(a)anthracene	228.00	22.788	(0.998)	1856541	22.2	11.1
*	73 Chrysene-d12	240.00	22.832	(1.000)	3832418	40.0	
	74 Chrysene	228.00	22.887	(1.002)	1642971	24.0	12.0
	70 bis(2-Ethylhexyl)phthalate	149.00	22.909	(1.003)	2246669	24.0	12.0
	75 Di-n-octylphthalate	149.00	24.156	(0.931)	4054919	19.9	9.94(a)
	76 Benzo(b)fluoranthene	252.00	25.055	(0.966)	1951401	22.1	11.0(H)
	77 Benzo(k)fluoranthene	252.00	25.110	(0.968)	2130079	23.6	11.8
	78 Benzo(a)pyrene	252.00	25.791	(0.994)	1558352	19.6	9.78(a)

Data File: /chem/aux/msb.i/b1112a94.b/b4937.d
Report Date: 18-Nov-1994 09:41

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	25.946	(1.000)	3842450	40.0	
81 Indeno(1,2,3-cd)pyrene	276.00	28.953	(1.116)	1685368	24.9	12.5
80 Dibenzo(a,h)anthracene	278.00	28.964	(1.116)	1450799	20.7	10.4
82 Benzo(g,h,i)perylene	276.00	29.854	(0.000)	1205048	21.8	10.9(M)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: /chem/aux/msb.i/b1112a94.b/b4938.d

/chem/aux/msb.i/b1112a94.b/b4938.d

Data File: /chem/aux/msb.i/b1112a94.b/b4938.d
Report Date: 18-Nov-1994 09:42

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1112a94.b/b4938.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 12-NOV-94 16:12
Autotune Date: {
Operator : Tom
Inst ID: msb.i
Smp Info : sstd50 11-12-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Meth Date : 18-Nov-1994 09:36
Cal Date : 12-NOV-94 16:12
Cal File: b4938.d
Als bottle: 3
Calibration Sample, Level: 2
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	4.034	(0.500)	1174664	47.1	23.6
1	N-Nitrosodimethylamine	42.00	4.066	(0.504)	682078	44.9	22.5
$ 3	2-Fluorophenol	112.00	6.111	(0.757)	1344668	46.8	23.4
$ 4	Phenol-d5	99.00	7.525	(0.932)	1604193	47.2	23.6
5	Phenol	94.00	7.536	(0.934)	1618753	75.4	37.7(H)
6	bis(2-Chloroethyl)ether	93.00	7.688	(0.953)	1407885	46.5	23.3
7	2-Chlorophenol	128.00	7.776	(0.964)	1529838	48.3	24.1
$ 88	2-Chlorobenzene-D4	132.00	7.754	(0.961)	1454192	47.9	24.0(A)
8	1,3-Dichlorobenzene	146.00	8.004	(0.992)	1562789	48.5	24.3
* 9	1,4-Dichlorobenzene-d4	152.00	8.070	(1.000)	1184331	40.0	
10	1,4-Dichlorobenzene	146.00	8.092	(1.003)	1676861	48.9	24.5
11	1,2-Dichlorobenzene	146.00	8.397	(1.041)	1549532	49.2	24.6
$ 87	1,2-Dichlorobenzene-D4	152.00	8.375	(1.038)	1013506	49.1	24.5(A)
12	2-Methylphenol	108.00	8.495	(1.053)	1139379	47.5	23.8
13	2,2'-oxybis(1-Chloropropene)	45.00	8.560	(1.061)	1373967	47.6	23.8
14	4-Methylphenol	108.00	8.735	(1.082)	1221270	47.3	23.6
15	N-Nitroso-di-n-propylamine	70.00	8.800	(1.091)	1005468	46.8	23.4
16	Hexachloroethane	117.00	8.898	(1.103)	805446	48.5	24.3
$ 17	Nitrobenzene-d5	82.00	9.007	(0.883)	1493413	47.5	23.7
18	Nitrobenzene	77.00	9.040	(0.887)	1477667	47.4	23.7
19	Isophorone	82.00	9.432	(0.925)	2917638	45.9	23.0
21	2-Nitrophenol	139.00	9.574	(0.939)	987133	47.0	23.5
20	2,4-Dimethylphenol	107.00	9.617	(0.943)	1456443	47.5	23.7
22	bis(2-Chloroethoxy)methane	93.00	9.792	(0.960)	1831281	47.9	24.0
23	2,4-Dichlorophenol	162.00	9.967	(0.977)	1386341	48.6	24.3
	1,2,4-Trichlorobenzene	180.00	10.130	(0.994)	1512614	49.6	24.8
*	Naphthalene-d8	136.00	10.196	(1.000)	3909032	40.0	
26	Naphthalene	128.00	10.240	(1.004)	3848260	50.0	25.0
27	4-Chloroaniline	127.00	10.338	(1.014)	1908747	48.5	24.2

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	10.556	(1.035)	766076	48.4	24.2
	29 4-Chloro-3-methylphenol	107.00	11.274	(1.106)	1469851	49.1	24.5
	30 2-Methylnaphthalene	142.00	11.591	(1.137)	2472668	48.6	24.3
	31 1-Methylnaphthalene	142.00	11.820	(1.465)	2125412	48.2	24.1(A)
	32 Hexachlorocyclopentadiene	237.00	12.060	(0.871)	918871	47.6	23.8
	33 2,4,6-Trichlorophenol	196.00	12.213	(0.883)	1105971	49.1	24.5
	34 2,4,5-Trichlorophenol	196.00	12.290	(0.888)	1188409	49.7	24.8(a)
$	35 2-Fluorobiphenyl	172.00	12.389	(0.895)	2869572	50.0	25.0
	36 2-Chloronaphthalene	162.00	12.607	(0.911)	2712419	50.0	25.0
	37 2-Nitroaniline	65.00	12.869	(0.930)	918147	47.6	23.8(a)
	38 Dimethylphthalate	163.00	13.326	(0.963)	3793317	48.8	24.4
	39 2,6-Dinitrotoluene	165.00	13.479	(0.974)	953098	50.9	25.4
	40 Acenaphthylene	152.00	13.501	(0.976)	4253400	50.9	25.5
	41 3-Nitroaniline	138.00	13.762	(0.994)	1008164	46.7	23.3(a)
*	42 Acenaphthene-d10	164.00	13.839	(1.000)	2409287	40.0	
	44 Acenaphthene	153.00	13.905	(1.005)	2505316	49.8	24.9
	43 2,4-Dinitrophenol	184.00	13.981	(1.010)	502792	39.7	19.9(a)
	45 4-Nitrophenol	109.00	14.090	(1.018)	645574	47.3	23.7(a)
	47 Dibenzofuran	168.00	14.243	(1.029)	3769361	48.4	24.2
	46 2,4-Dinitrotoluene	165.00	14.309	(1.034)	1381810	46.9	23.4
	Diethylphthalate	149.00	14.865	(1.074)	4236730	49.2	24.6
	49 4-Chlorophenyl-phenylether	204.00	14.985	(1.083)	1545185	52.7	26.4
	50 Fluorene	166.00	14.996	(1.084)	2976418	51.3	25.6
	51 4-Nitroaniline	138.00	15.095	(1.091)	1036654	45.9	22.9(a)
	52 4,6-Dinitro-2-methylphenol	198.00	15.204	(0.893)	806236	47.8	23.9(a)
	53 N-Nitrosodiphenylamine	169.00	15.259	(0.896)	2180383	49.8	24.9
$	54 2,4,6-Tribromophenol	330.00	15.554	(1.124)	642866	49.0	24.5
	55 4-Bromophenyl-phenylether	248.00	16.045	(0.942)	1093440	50.3	25.1
	56 Hexachlorobenzene	284.00	16.373	(0.961)	1472452	50.4	25.2
	57 Pentachlorophenol	266.00	16.744	(0.983)	623348	45.9	23.0(a)
*	59 Phenanthrene-d10	188.00	17.029	(1.000)	4124070	40.0	
	60 Phenanthrene	178.00	17.084	(1.003)	4544049	50.3	25.2
	61 Anthracene	178.00	17.172	(1.008)	4580174	51.1	25.5
	62 Carbazole	167.00	17.521	(1.029)	4260643	49.6	24.8
	63 Di-n-butylphthalate	149.00	18.393	(1.080)	7506608	53.5	26.7
	64 Fluoranthene	202.00	19.690	(1.156)	5058072	50.3	25.1
	65 Benzidine	184.00	19.952	(0.873)	1492365	40.8	20.4
	66 Pyrene	202.00	20.182	(0.883)	5061812	44.6	22.3
$	67 Terphenyl-d14	244.00	20.520	(0.898)	3056530	44.2	22.1
	68 Butylbenzylphthalate	149.00	21.643	(0.947)	3535739	45.0	22.5
	71 3,3'-Dichlorobenzidine	252.00	22.745	(0.996)	1767495	47.2	23.6
	72 Benzo(a)anthracene	228.00	22.801	(0.998)	3652256	44.3	22.1
*	73 Chrysene-d12	240.00	22.845	(1.000)	3803944	40.0	
	74 Chrysene	228.00	22.900	(1.002)	3103209	46.3	23.2
	70 bis(2-Ethylhexyl)phthalate	149.00	22.911	(1.003)	4469743	48.8	24.4
	Di-n-octylphthalate	149.00	24.170	(0.932)	8191382	50.7	25.4
	Benzo(b)fluoranthene	252.00	25.070	(0.966)	4301013	58.3	29.1(H)
	77 Benzo(k)fluoranthene	252.00	25.114	(0.968)	3321060	46.6	23.3
	78 Benzo(a)pyrene	252.00	25.807	(0.995)	3251070	48.4	24.2

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 79 Perylene-d12	264.00	25.940	(1.000)	3040947	40.0	
81 Indeno(1,2,3-cd)pyrene	276.00	28.992	(1.116)	3065504	51.9	26.0(M)
80 Dibenzo(a,h)anthracene	278.00	29.004	(1.118)	2768938	50.0	25.0
82 Benzo(g,h,i)perylene	276.00	29.861	(1.151)	2251521	51.4	25.7

QC Flag Legend

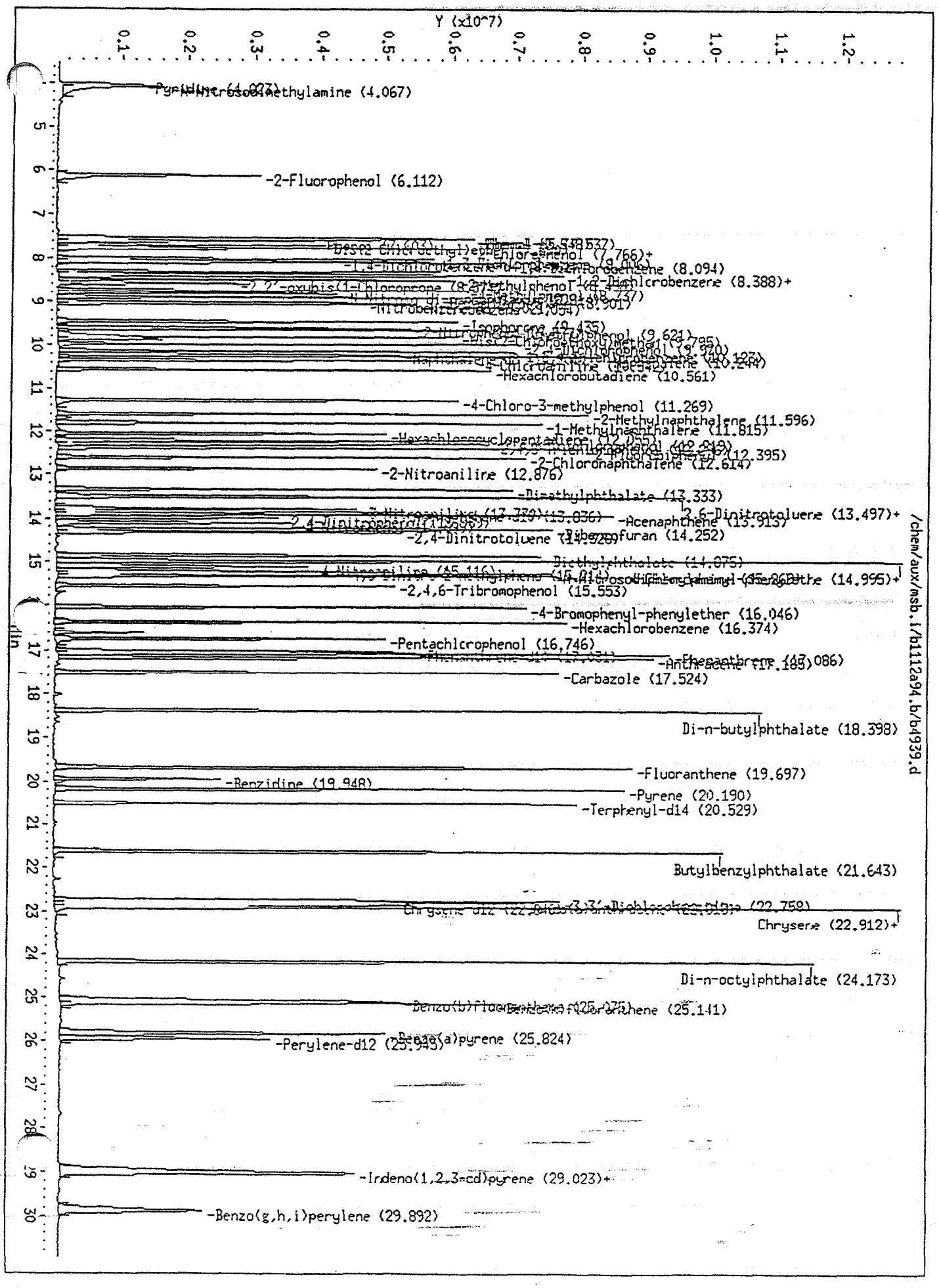
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Continuing Calibration Check

Curve ID: EXP110194# Units: ug/ml

Check Std. Date 94/11/17

Pnum	Compound	Cont. RF	Avg. RF	% Diff	True Conc	Calc Conc	% Recov	Type
	HMX	107	105	1.89	1.00	1.02	102	R
F002	RDX	147	115	28.0	1.00	1.28	128	R
F003	1,3,5-Trinitrobenzene	233	262	11.3	1.00	.887	88.7	R
F004	1,3-Dinitrobenzene	347	371	6.51	1.00	.935	93.5	R
F005	Tetryl	180	192	6.38	1.00	.936	93.6	R
A883	Nitrobenzene	237	252	6.08	1.00	.939	93.9	R
F094	2-Amino-4,6-dinitrotoluene	163	158	3.02	2.00	2.06	103	R
A125	2,4,6-Trinitrotoluene	0	265	100	0	0	0	R
A125	2,4,6-Trinitrotoluene	246	265	7.02	1.00	.930	93.0	R
A141	2,6-Dinitrotoluene	145	136	5.94	1.00	1.06	106	R
A911	o-Nitrotoluene	354	150	136	1.00	2.36	236	R
A958	p-Nitrotoluene	121	122	1.24	1.00	.988	98.8	R
A134	2,4-Dinitrotoluene	145	377	61.6	1.00	.384	38.4	R
A911	o-Nitrotoluene	0	150	100	1.00	0	0	R



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Data File: /chem/aux/msb.i/b1112a94.b/b4939.d
Report Date: 18-Nov-1994 09:43

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1112a94.b/b4939.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 12-NOV-94 16:52
Autotune Date: {
Operator : Tom
Inst ID: msb.i
Smp Info : sstd80 11-12-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Meth Date : 18-Nov-1994 09:36
Cal Date : 12-NOV-94 16:12
Cal File: b4938.d
Als bottle: 4
Calibration Sample, Level: 3
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

		Compounds	QUANT SIC MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
		Pyridine	79.00	4.023	(0.499)	2010454	78.3	39.2
		N-Nitrosodimethylamine	42.00	4.067	(0.504)	1230889	78.8	39.4
$	3	2-Fluorophenol	112.00	6.112	(0.758)	2347946	79.3	39.7
$	4	Phenol-d5	99.00	7.526	(0.934)	2804756	80.2	40.1
	5	Phenol	94.00	7.548	(0.936)	2735230	96.6	48.3(H)
	6	bis(2-Chloroethyl)ether	93.00	7.690	(0.954)	2458504	78.9	39.4
	7	2-Chlorophenol	128.00	7.777	(0.965)	2607613	79.9	40.0
$	88	2-Chlorobenzene-D4	132.00	7.756	(0.962)	2491108	79.8	39.9(A)
	8	1,3-Dichlorobenzene	146.00	8.006	(0.993)	2830478	80.2	40.1
*	9	1,4-Dichlorobenzene-d4	152.00	8.061	(1.000)	1219339	40.0	
	10	1,4-Dichlorobenzene	146.00	8.094	(1.004)	2795697	79.3	39.6
	11	1,2-Dichlorobenzene	146.00	8.399	(1.042)	2577207	79.5	39.8
$	87	1,2-Dichlorobenzene-D4	152.00	8.377	(1.039)	1713645	80.2	40.1(A)
	12	2-Methylphenol	108.00	8.498	(1.054)	1975973	80.0	40.0
	13	2,2'-oxybis(1-Chloropropene)	45.00	8.563	(1.062)	2346618	78.9	39.4
	14	4-Methylphenol	108.00	8.737	(1.084)	2127466	80.0	40.0
	15	N-Nitroso-di-n-propylamine	70.00	8.814	(1.093)	1738705	78.6	39.3
	16	Hexachloroethane	117.00	8.901	(1.104)	1372253	80.3	40.2
$	17	Nitrobenzene-d5	82.00	9.021	(0.884)	2599514	82.1	41.0
	18	Nitrobenzene	77.00	9.054	(0.888)	2549962	81.2	40.6
	19	Isophorone	82.00	9.435	(0.925)	5190700	81.1	40.6
	21	2-Nitrophenol	139.00	9.577	(0.939)	1737791	82.2	41.1
	20	2,4-Dimethylphenol	107.00	9.621	(0.943)	2516301	81.5	40.7
	22	bis(2-Chloroethoxy)methane	93.00	9.795	(0.960)	3055384	79.4	39.7
	23	2,4-Dichlorophenol	162.00	9.970	(0.977)	2334914	81.2	40.6
	24	1,2,4-Trichlorobenzene	180.00	10.134	(0.994)	2456675	80.0	40.0
*		aphthalene-d8	136.00	10.200	(1.000)	3936070	40.0	
	26	Naphthalene	128.00	10.244	(1.004)	6311363	81.4	40.7
	27	4-Chloroaniline	127.00	10.342	(1.014)	3242661	81.8	40.9

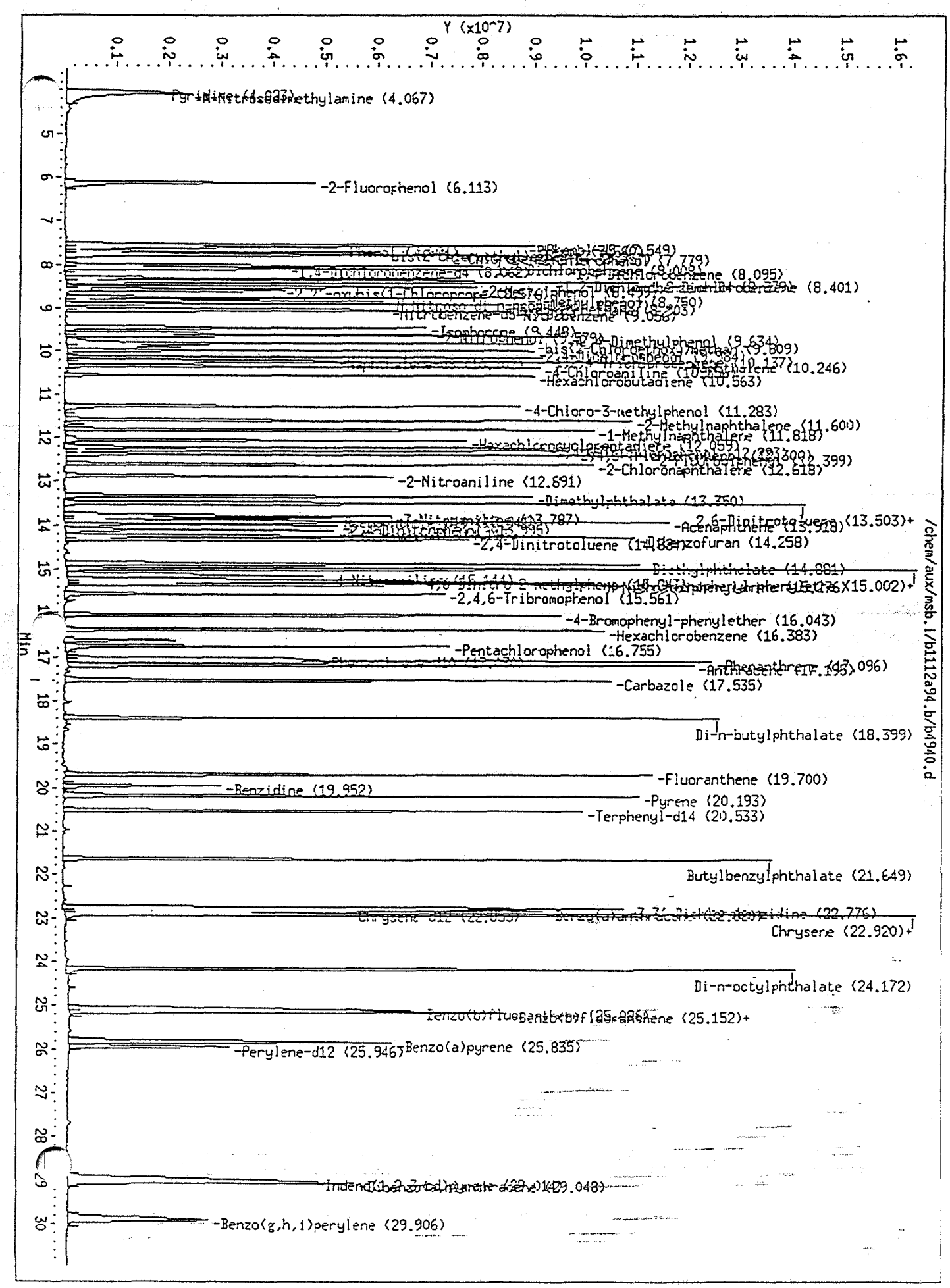
Data File: /chem/aux/msb.i/b1112a94.b/b4939.d
Report Date: 18-Nov-1994 09:43

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	10.561	(1.035)	1311678	82.3	41.2
	29 4-Chloro-3-methylphenol	107.00	11.269	(1.105)	2475924	82.1	41.0
	30 2-Methylnaphthalene	142.00	11.596	(1.137)	4126646	80.5	40.3
	31 1-Methylnaphthalene	142.00	11.815	(1.466)	3582187	79.0	39.5(A)
	32 Hexachlorocyclopentadiene	237.00	12.066	(0.872)	1677195	85.5	42.8
	33 2,4,6-Trichlorophenol	196.00	12.219	(0.883)	1853416	80.9	40.5
	34 2,4,5-Trichlorophenol	196.00	12.296	(0.889)	1986227	81.7	40.8
$	35 2-Fluorobiphenyl	172.00	12.395	(0.896)	4718599	80.8	40.4
	36 2-Chloronaphthalene	162.00	12.614	(0.912)	4447537	80.6	40.3
	37 2-Nitroaniline	65.00	12.876	(0.931)	1592199	81.3	40.6
	38 Dimethylphthalate	163.00	13.333	(0.964)	6370553	80.7	40.4
	39 2,6-Dinitrotoluene	165.00	13.486	(0.975)	1557743	81.9	40.9
	40 Acenaphthylene	152.00	13.508	(0.976)	6896120	81.3	40.6
	41 3-Nitroaniline	138.00	13.770	(0.995)	1789526	81.5	40.8
*	42 Acenaphthene-d10	164.00	13.836	(1.000)	2448880	40.0	
	44 Acenaphthene	153.00	13.913	(1.006)	4338406	81.6	40.8
	43 2,4-Dinitrophenol	184.00	13.989	(1.011)	1018636	79.2	39.6
	45 4-Nitrophenol	109.00	14.109	(1.020)	1139078	82.2	41.1
	47 Dibenzofuran	168.00	14.252	(1.030)	6333942	80.0	40.0
	46 2,4-Dinitrotoluene	165.00	14.328	(1.036)	2410269	80.5	40.2
	48 Diethylphthalate	149.00	14.875	(1.075)	7235657	82.6	41.3
	4-Chlorophenyl-phenylether	204.00	14.984	(1.083)	2412710	81.0	40.5
	50 Fluorene	166.00	14.995	(1.084)	4635478	81.3	40.7
	51 4-Nitroaniline	138.00	15.116	(1.092)	1844747	80.4	40.2
	52 4,6-Dinitro-2-methylphenol	198.00	15.214	(0.893)	1506022	85.6	42.8
	53 N-Nitrosodiphenylamine	169.00	15.269	(0.897)	3694926	81.0	40.5
$	54 2,4,6-Tribromophenol	330.00	15.553	(1.124)	1138717	85.4	42.7
	55 4-Bromophenyl-phenylether	248.00	16.046	(0.942)	1835479	80.9	40.5
	56 Hexachlorobenzene	284.00	16.374	(0.961)	2474628	81.2	40.6
	57 Pentachlorophenol	266.00	16.757	(0.984)	1150672	81.3	40.7
*	59 Phenanthrene-d10	188.00	17.031	(1.000)	4299715	40.0	
	60 Phenanthrene	178.00	17.086	(1.003)	7660451	81.4	40.7
	61 Anthracene	178.00	17.185	(1.009)	7640791	81.7	40.8
	62 Carbazole	167.00	17.524	(1.029)	7300627	81.5	40.8
	63 Di-n-butylphthalate	149.00	18.398	(1.080)	12466528	85.2	42.6
	64 Fluoranthene	202.00	19.697	(1.157)	8539081	81.3	40.6
	65 Benzidine	184.00	19.948	(0.873)	1834005	54.9	27.5
	66 Pyrene	202.00	20.190	(0.884)	8604336	83.1	41.5
$	67 Terphenyl-d14	244.00	20.529	(0.899)	5249789	83.1	41.6
	68 Butylbenzylphthalate	149.00	21.643	(0.947)	5932544	82.8	41.4
	71 3,3'-Dichlorobenzidine	252.00	22.758	(0.996)	2914486	85.4	42.7
	72 Benzo(a)anthracene	228.00	22.813	(0.999)	6263496	83.2	41.6
*	73 Chrysene-d12	240.00	22.846	(1.000)	3471998	40.0	
	74 Chrysene	228.00	22.912	(1.003)	5219457	85.3	42.7
	70 bis(2-Ethylhexyl)phthalate	149.00	22.923	(1.003)	6962861	83.2	41.6
	75 Di-n-octylphthalate	149.00	24.173	(0.932)	13698178	88.1	44.0
	Benzo(b)fluoranthene	252.00	25.075	(0.966)	5764278	82.0	41.0(H)
	77 Benzo(k)fluoranthene	252.00	25.141	(0.969)	6103940	88.9	44.4
	78 Benzo(a)pyrene	252.00	25.824	(0.995)	5356923	82.9	41.4

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 79 Perylene-d12	264.00	25.945	(1.000)	2929013	40.0	
81 Indeno(1,2,3-cd)pyrene	276.00	29.012	(1.118)	5042333	88.7	44.4
80 Dibenzo(a,h)anthracene	278.00	29.023	(1.119)	4271384	80.0	40.0
82 Benzo(g,h,i)perylene	276.00	29.881	(1.152)	4027494	88.6	44.3(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Data File: /chem/aux/msb.i/b1112a94.b/b4940.d

Data File: /chem/aux/msb.i/b1112a94.b/b4940.d
Report Date: 18-Nov-1994 09:44

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1112a94.b/b4940.d
Lab. Id. :
Inj Date : 12-NOV-94 17:33
Operator : Tom
Smp Info : sstd120 11-12-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Meth Date : 18-Nov-1994 09:36
Cal Date : 12-NOV-94 16:12
Als bottle: 5
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msb.i
Cal File: b4938.d
Calibration Sample, Level: 4
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	4.023	(0.499)	3180023	127	63.6(A)
	N-Nitrosodimethylamine	42.00	4.067	(0.504)	1952996	128	64.1
$ 3	2-Fluorophenol	112.00	6.113	(0.758)	3628491	126	62.9
$ 4	Phenol-d5	99.00	7.538	(0.935)	4121523	121	60.5
5	Phenol	94.00	7.560	(0.938)	4155312	122	61.1(H)
6	bis(2-Chloroethyl)ether	93.00	7.702	(0.955)	3682794	121	60.6
7	2-Chlorophenol	128.00	7.779	(0.965)	3838957	121	60.4
$ 88	2-Chlorobenzene-D4	132.00	7.757	(0.962)	3701705	122	60.8(A)
8	1,3-Dichlorobenzene	146.00	8.008	(0.993)	4060479	118	59.1
* 9	1,4-Dichlorobenzene-d4	152.00	8.062	(1.000)	1138173	40.0	
10	1,4-Dichlorobenzene	146.00	8.095	(1.004)	4083056	119	59.4
11	1,2-Dichlorobenzene	146.00	8.401	(1.042)	3698083	117	58.6
$ 87	1,2-Dichlorobenzene-D4	152.00	8.379	(1.039)	2442283	117	58.7(A)
12	2-Methylphenol	108.00	8.510	(1.056)	2888730	120	60.0
13	2,2'-oxybis(1-Chloropropene)	45.00	8.576	(1.064)	3480642	120	60.0
14	4-Methylphenol	108.00	8.750	(1.085)	3150026	122	60.8
15	N-Nitroso-di-n-propylamine	70.00	8.827	(1.095)	2617006	121	60.7
16	Hexachloroethane	117.00	8.903	(1.104)	2011025	121	60.4
$ 17	Nitrobenzene-d5	82.00	9.023	(0.884)	3796100	120	60.2
18	Nitrobenzene	77.00	9.056	(0.888)	3786452	121	60.5
19	Isophorone	82.00	9.448	(0.926)	7912454	124	62.0
21	2-Nitrophenol	139.00	9.590	(0.940)	2562246	122	60.9
20	2,4-Dimethylphenol	107.00	9.634	(0.944)	3703281	120	60.2
22	bis(2-Chloroethoxy)methane	93.00	9.809	(0.961)	4652255	121	60.7
23	2,4-Dichlorophenol	162.00	9.984	(0.979)	3427734	120	59.8
24	1,2,4-Trichlorobenzene	180.00	10.137	(0.994)	3679891	120	60.1
*	Naphthalene-d8	136.00	10.202	(1.000)	3921870	40.0	
26	Naphthalene	128.00	10.246	(1.004)	9138768	118	59.2
27	4-Chloroaniline	127.00	10.356	(1.015)	4638606	117	58.7

Data File: /chem/aux/msb.i/b1112a94.b/b4940.d
Report Date: 18-Nov-1994 09:44

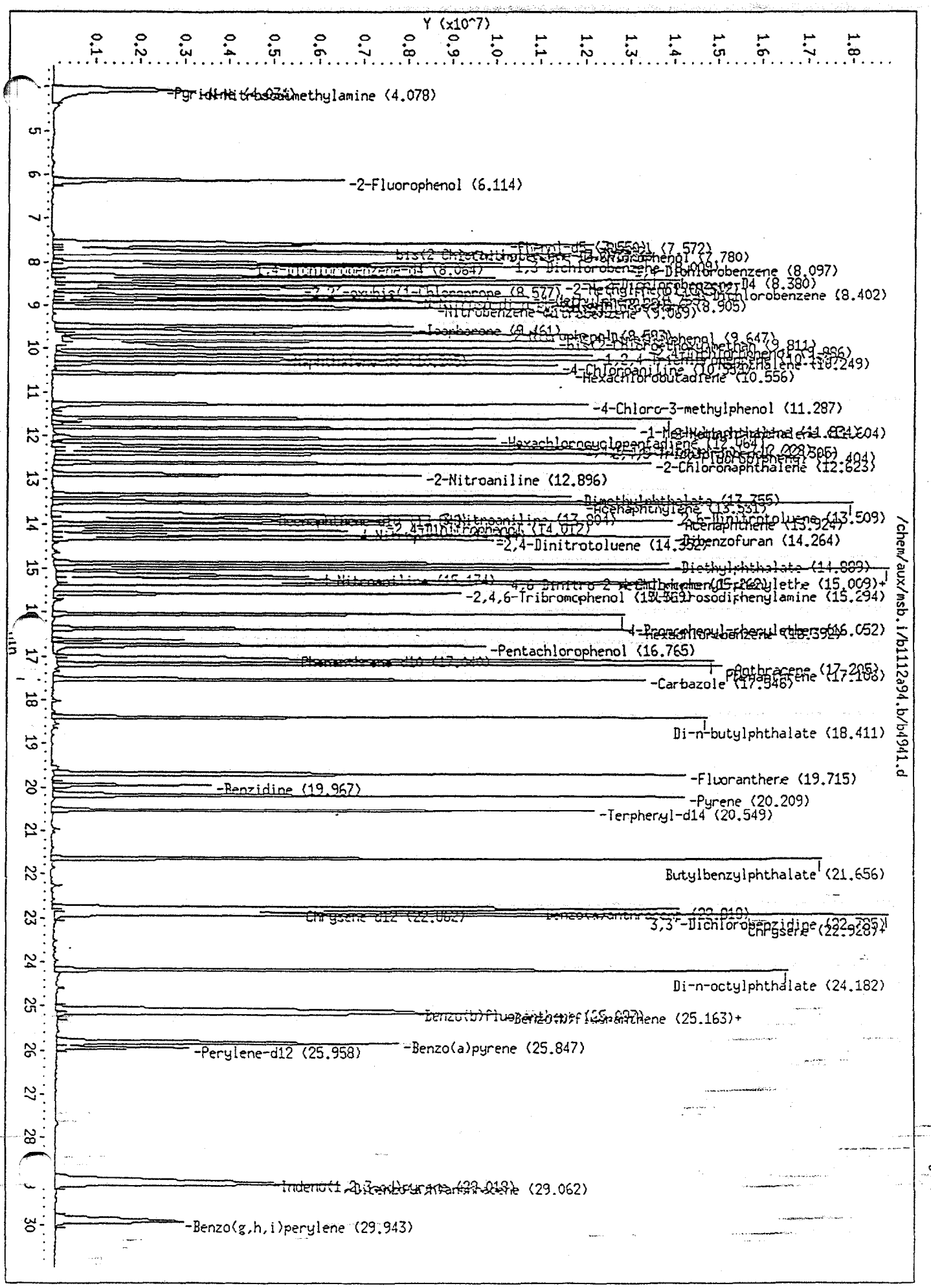
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	10.563	(1.035)	1794411	113	56.5
	29 4-Chloro-3-methylphenol	107.00	11.283	(1.106)	3589865	119	59.7
	30 2-Methylnaphthalene	142.00	11.600	(1.137)	5961236	117	58.4
	31 1-Methylnaphthalene	142.00	11.829	(1.467)	5272148	119	59.6(A)
	32 Hexachlorocyclopentadiene	237.00	12.059	(0.871)	2549468	130	65.1
	33 2,4,6-Trichlorophenol	196.00	12.223	(0.883)	2733276	120	59.8
	34 2,4,5-Trichlorophenol	196.00	12.300	(0.889)	2897824	119	59.7
$	35 2-Fluorobiphenyl	172.00	12.399	(0.896)	6819301	117	58.5
	36 2-Chloronaphthalene	162.00	12.618	(0.912)	6372868	116	57.8
	37 2-Nitroaniline	65.00	12.880	(0.931)	2395053	122	61.2
	38 Dimethylphthalate	163.00	13.350	(0.964)	9259098	117	58.7
	39 2,6-Dinitrotoluene	165.00	13.503	(0.976)	2228093	117	58.6
	40 Acenaphthylene	152.00	13.514	(0.976)	9795914	116	57.8
	41 3-Nitroaniline	138.00	13.787	(0.996)	2696146	123	61.5
*	42 Acenaphthene-d10	164.00	13.841	(1.000)	2445576	40.0	
	44 Acenaphthene	153.00	13.918	(1.006)	6231918	117	58.6
	43 2,4-Dinitrophenol	184.00	13.995	(1.011)	1656348	129	64.5
	45 4-Nitrophenol	109.00	14.115	(1.020)	1724711	125	62.3
	47 Dibenzofuran	168.00	14.258	(1.030)	9442351	119	59.7
	46 2,4-Dinitrotoluene	165.00	14.334	(1.036)	3702434	124	61.9
	Diethylphthalate	149.00	14.881	(1.075)	10406004	119	59.5
	4-Chlorophenyl-phenylether	204.00	14.991	(1.083)	3283921	110	55.2
	50 Fluorene	166.00	15.013	(1.085)	6502129	114	57.1
	51 4-Nitroaniline	138.00	15.144	(1.094)	2848973	124	62.1
	52 4,6-Dinitro-2-methylphenol	198.00	15.243	(0.895)	2361838	133	66.3
	53 N-Nitrosodiphenylamine	169.00	15.287	(0.898)	5618365	122	60.8
$	54 2,4,6-Tribromophenol	330.00	15.572	(1.125)	1672697	126	62.8
	55 4-Bromophenyl-phenylether	248.00	16.054	(0.943)	2709185	118	59.0
	56 Hexachlorobenzene	284.00	16.383	(0.962)	3613344	117	58.5
	57 Pentachlorophenol	266.00	16.755	(0.984)	1851225	129	64.6
*	59 Phenanthrene-d10	188.00	17.030	(1.000)	4353644	40.0	
	60 Phenanthrene	178.00	17.096	(1.004)	11131255	117	58.4
	61 Anthracene	178.00	17.195	(1.010)	11027812	116	58.2
	62 Carbazole	167.00	17.535	(1.030)	10721750	118	59.1
	63 Di-n-butylphthalate	149.00	18.399	(1.080)	16535760	112	55.8
	64 Fluoranthene	202.00	19.700	(1.157)	12308292	116	57.8
	65 Benzidine	184.00	19.952	(0.873)	2395067	74.7	37.4
	66 Pyrene	202.00	20.193	(0.884)	12247950	123	61.6
$	67 Terphenyl-d14	244.00	20.533	(0.898)	7406253	122	61.1
	68 Butylbenzylphthalate	149.00	21.649	(0.947)	8345506	121	60.6
	71 3,3'-Dichlorobenzidine	252.00	22.765	(0.996)	3929043	120	59.9
	72 Benzo(a)anthracene	228.00	22.820	(0.999)	8943770	124	61.9
*	73 Chrysene-d12	240.00	22.853	(1.000)	3333896	40.0	
	74 Chrysene	228.00	22.920	(1.003)	6858390	117	58.4
	70 bis(2-Ethylhexyl)phthalate	149.00	22.920	(1.003)	9254465	115	57.6
	Di-n-octylphthalate	149.00	24.183	(0.932)	17477606	122	61.0
	Benzo(b)fluoranthene	252.00	25.096	(0.967)	10035155	144	72.3(H)
	77 Benzo(k)fluoranthene	252.00	25.141	(0.969)	7198825	114	56.9
	78 Benzo(a)pyrene	252.00	25.835	(0.996)	7400013	124	62.2

Data File: /chem/aux/msb.i/b1112a94.b/b4940.d
Report Date: 18-Nov-1994 09:44

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	25.946	(1.000)	2697544	40.0	
81 Indeno(1,2,3-cd)pyrene	276.00	29.014	(1.118)	6614500	126	63.2
80 Dibenzo(a,h)anthracene	278.00	29.048	(1.120)	6108049	124	62.1
82 Benzo(g,h,i)perylene	276.00	29.917	(1.153)	5194457	124	62.0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.



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Data File: /chem/aux/msb.i/b1112a94.b/b4941.d
Report Date: 18-Nov-1994 09:45

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1112a94.b/b4941.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 12-NOV-94 18:13
Autotune Date: (
Operator : Tom
Inst ID: msb.i
Smp Info : sstd160 11-12-94
Misc Info : calib 5pt
Comment :
Method : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Meth Date : 18-Nov-1994 09:36
Cal Date : 12-NOV-94 16:12
Cal File: b4938.d
Als bottle: 6
Calibration Sample, Level: 5
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	4.034	(0.500)	4481358	173	86.3(A)
	N-Nitrosodimethylamine	42.00	4.078	(0.506)	2701648	171	85.5(A)
$ 3	2-Fluorophenol	112.00	6.114	(0.758)	4977622	166	83.2(A)
$ 4	Phenol-d5	99.00	7.550	(0.936)	5762082	163	81.5(A)
5	Phenol	94.00	7.572	(0.939)	5814250	165	82.5(A)
6	bis(2-Chloroethyl)ether	93.00	7.703	(0.955)	5290027	168	84.0(A)
7	2-Chlorophenol	128.00	7.791	(0.966)	5187606	157	78.6
$ 88	2-Chlorobenzene-D4	132.00	7.758	(0.962)	4967659	157	78.7(A)
8	1,3-Dichlorobenzene	146.00	8.009	(0.993)	5692685	160	79.8
* 9	1,4-Dichlorobenzene-d4	152.00	8.064	(1.000)	1232554	40.0	
10	1,4-Dichlorobenzene	146.00	8.097	(1.004)	5432517	152	76.2
11	1,2-Dichlorobenzene	146.00	8.402	(1.042)	4900428	150	74.8
$ 87	1,2-Dichlorobenzene-D4	152.00	8.380	(1.039)	3278400	152	75.9(A)
12	2-Methylphenol	108.00	8.512	(1.056)	4034900	162	80.8(A)
13	2,2'-oxybis(1-Chloropropene)	45.00	8.577	(1.064)	4986964	166	82.9(A)
14	4-Methylphenol	108.00	8.763	(1.087)	4434972	165	82.5(A)
15	N-Nitroso-di-n-propylamine	70.00	8.850	(1.098)	3680633	164	82.3(A)
16	Hexachloroethane	117.00	8.905	(1.104)	2709221	157	78.4
$ 17	Nitrobenzene-d5	82.00	9.036	(0.885)	5328238	158	78.9
18	Nitrobenzene	77.00	9.069	(0.889)	5272377	157	78.7
19	Isophorone	82.00	9.461	(0.927)	11200993	164	82.0(A)
21	2-Nitrophenol	139.00	9.593	(0.940)	3565385	158	79.1
20	2,4-Dimethylphenol	107.00	9.647	(0.945)	5210275	158	79.1
22	bis(2-Chloroethoxy)methane	93.00	9.811	(0.961)	6515902	159	79.4
23	2,4-Dichlorophenol	162.00	9.986	(0.979)	4735160	154	77.2
24	1,2,4-Trichlorobenzene	180.00	10.139	(0.994)	4719743	144	72.1
*	Naphthalene-d8	136.00	10.205	(1.000)	4197521	40.0	
26	Naphthalene	128.00	10.249	(1.004)	11834437	143	71.6
27	4-Chloroaniline	127.00	10.359	(1.015)	6456556	153	76.3

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	10.567	(1.035)	2399101	141	70.6
	29 4-Chloro-3-methylphenol	107.00	11.287	(1.106)	4953195	154	77.0
	30 2-Methylnaphthalene	142.00	11.604	(1.137)	8271758	151	75.7
	31 1-Methylnaphthalene	142.00	11.834	(1.467)	7097138	155	77.4(A)
	32 Hexachlorocyclopentadiene	237.00	12.064	(0.872)	3420268	167	83.7(A)
	33 2,4,6-Trichlorophenol	196.00	12.228	(0.884)	3796171	159	79.6
	34 2,4,5-Trichlorophenol	196.00	12.305	(0.889)	4031737	159	79.6
$	35 2-Fluorobiphenyl	172.00	12.404	(0.896)	9106572	150	74.9
	36 2-Chloronaphthalene	162.00	12.623	(0.912)	8743494	152	76.0
	37 2-Nitroaniline	65.00	12.896	(0.932)	3367533	165	82.5(A)
	38 Dimethylphthalate	163.00	13.355	(0.965)	12785691	155	77.7
	39 2,6-Dinitrotoluene	165.00	13.509	(0.976)	2844307	144	71.8
	40 Acenaphthylene	152.00	13.531	(0.978)	12603717	142	71.3
	41 3-Nitroaniline	138.00	13.804	(0.998)	3753239	164	82.0(A)
*	42 Acenaphthene-d10	164.00	13.837	(1.000)	2551010	40.0	
	44 Acenaphthene	153.00	13.924	(1.006)	8262927	149	74.6
	43 2,4-Dinitrophenol	184.00	14.012	(1.013)	2443035	182	91.2(A)
	45 4-Nitrophenol	109.00	14.144	(1.022)	2417671	167	83.7(A)
	47 Dibenzofuran	168.00	14.264	(1.031)	12836799	156	77.8
	46 2,4-Dinitrotoluene	165.00	14.352	(1.037)	5151380	165	82.5(A)
	48 Diethylphthalate	149.00	14.900	(1.077)	14059620	154	77.1
	49 4-Chlorophenyl-phenylether	204.00	14.998	(1.084)	4103584	132	66.1
	50 Fluorene	166.00	15.020	(1.086)	8342214	140	70.2
	51 4-Nitroaniline	138.00	15.174	(1.097)	4084490	171	85.4(A)
	52 4,6-Dinitro-2-methylphenol	198.00	15.262	(0.000)	3148396	162	81.1(AM)
	53 N-Nitrosodiphenylamine	169.00	15.294	(0.898)	7356884	146	73.3
$	54 2,4,6-Tribromophenol	330.00	15.580	(1.126)	2141926	154	77.1
	55 4-Bromophenyl-phenylether	248.00	16.052	(0.942)	3567305	143	71.5
	56 Hexachlorobenzene	284.00	16.392	(0.962)	4873044	145	72.6
	57 Pentachlorophenol	266.00	16.765	(0.984)	2461065	158	79.0
*	59 Phenanthrene-d10	188.00	17.040	(1.000)	4731360	40.0	
	60 Phenanthrene	178.00	17.105	(1.004)	14894086	144	71.9
	61 Anthracene	178.00	17.205	(1.010)	14573525	142	70.8
	62 Carbazole	167.00	17.546	(1.030)	14565207	148	73.9
	63 Di-n-butylphthalate	149.00	18.411	(1.080)	19833530	123	61.6
	64 Fluoranthene	202.00	19.715	(1.157)	16398696	142	70.9
	65 Benzidine	184.00	19.967	(0.873)	2993276	88.5	44.2
	66 Pyrene	202.00	20.209	(0.884)	16299729	155	77.5
$	67 Terphenyl-d14	244.00	20.549	(0.899)	9835273	154	77.1
	68 Butylbenzylphthalate	149.00	21.656	(0.947)	11405344	157	78.4
	71 3,3'-Dichlorobenzidine	252.00	22.785	(0.997)	4911327	142	70.9
	72 Benzo(a)anthracene	228.00	22.818	(0.998)	11424983	150	74.8
*	73 Chrysene-d12	240.00	22.862	(1.000)	3523090	40.0	
	74 Chrysene	228.00	22.939	(1.003)	8264729	133	66.6
	70 bis(2-Ethylhexyl)phthalate	149.00	22.928	(1.003)	11198803	132	65.9
	75 Di-n-octylphthalate	149.00	24.182	(0.932)	20558699	140	69.9
	76 Benzo(b)fluoranthene	252.00	25.097	(0.969)	14164403	181	90.6(AM)
	77 Benzo(k)fluoranthene	252.00	25.163	(0.969)	8733896	134	67.1(M)
	78 Benzo(a)pyrene	252.00	25.847	(0.996)	9574503	157	78.4

Data File: /chem/aux/msb.i/b1112a94.b/b4941.d
Report Date: 18-Nov-1994 09:45

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	25.958	(1.000)	2767909	40.0	
81 Indeno(1,2,3-cd)pyrene	276.00	29.018	(1.118)	7816889	139	69.4(M)
80 Dibenzo(a,h)anthracene	278.00	29.073	(1.120)	7489847	148	74.2
82 Benzo(g,h,i)perylene	276.00	29.943	(1.154)	6162554	143	71.7

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /chem/aux/mse.i/e111894.b/e2872.d
Report Date: 18-Nov-1994 08:31

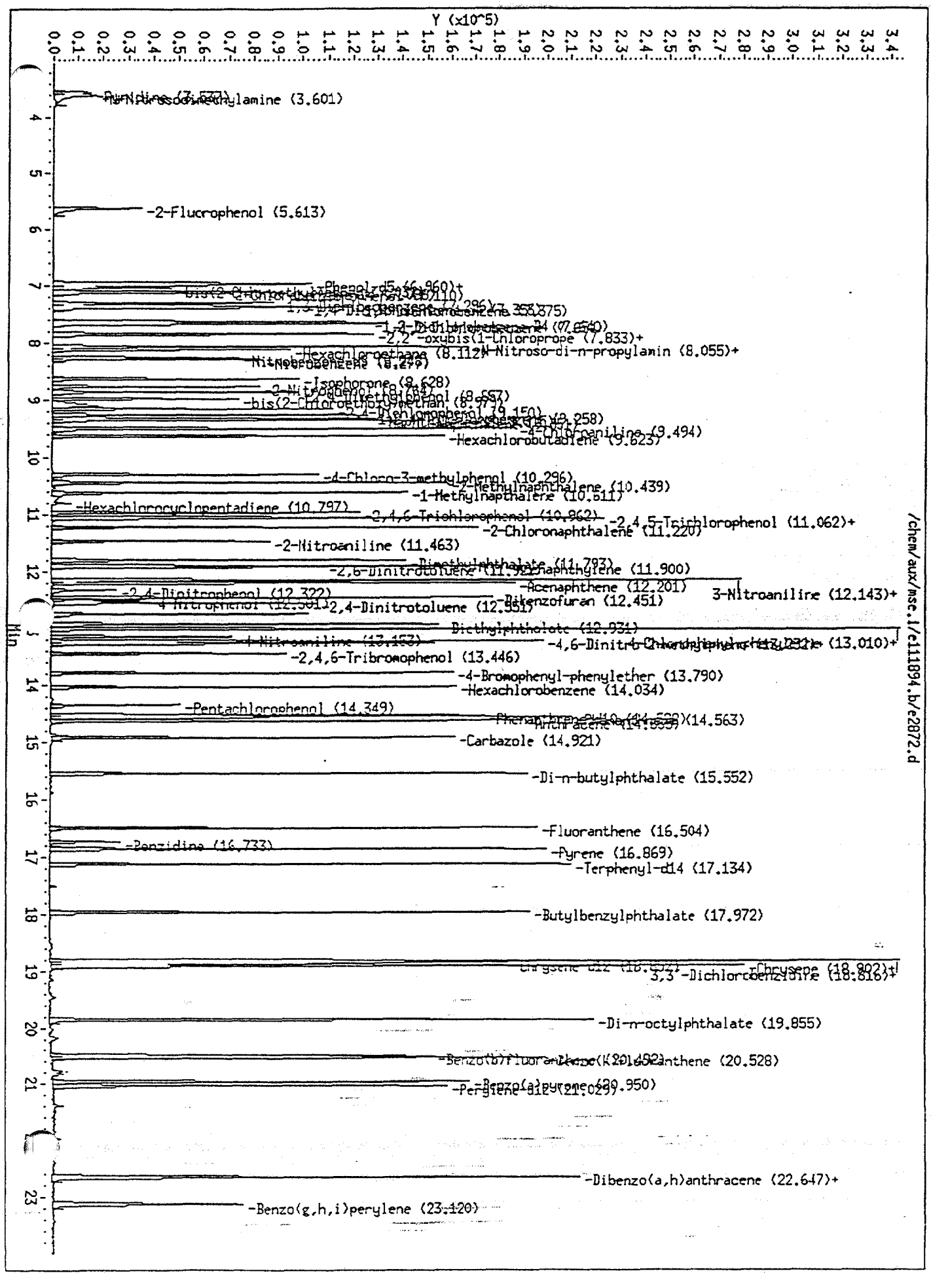
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2872.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 07:52
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111894.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.894	0.010	12.8	100.0	
	1 N-Nitrosodimethylamine	0.590	0.439	0.010	25.5	100.0	
$	3 2-Fluorophenol	1.056	0.962	0.600	8.8	25.0	
$	4 Phenol-d5	1.255	1.052	0.800	16.2	25.0	
	5 Phenol	1.377	1.186	0.800	13.9	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.959	0.700	14.9	25.0	
$	89 2-Chlorobenzene-D4	++++	1.061	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.078	0.800	2.7	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.755	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.200	0.600	3.8	25.0	
	10 1,4-Dichlorobenzene	1.157	1.250	0.500	8.0	25.0	
	12 1,2-Dichlorobenzene	1.157	1.193	0.400	3.1	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.800	0.010	17.1	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.645	0.500	24.3	25.0	
	11 2-Methylphenol	1.005	0.884	0.700	12.0	25.0	
	14 4-Methylphenol	1.005	0.946	0.600	5.9	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.5	25.0	
$	17 Nitrobenzene-d5	0.361	0.335	0.200	7.3	25.0	
	18 Nitrobenzene	0.347	0.314	0.200	9.5	25.0	
	19 Isophorone	0.677	0.582	0.400	14.0	25.0	
	21 2-Nitrophenol	0.188	0.195	0.100	4.0	25.0	
	20 2,4-Dimethylphenol	0.344	0.314	0.200	8.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.328	0.300	6.6	25.0	
	23 2,4-Dichlorophenol	0.279	0.277	0.200	0.5	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.304	0.200	6.0	25.0	
	26 Naphthalene	0.825	0.809	0.700	2.0	25.0	
	27 4-Chloroaniline	0.365	0.348	0.010	4.7	100.0	
	28 Hexachlorobutadiene	0.200	0.216	0.010	8.3	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.287	0.200	5.8	25.0	
	30 2-Methylnaphthalene	0.586	0.577	0.400	1.6	25.0	
	31 1-Methylnapthalene	0.499	0.524	0.400	5.2	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.024	0.010	73.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.289	0.200	5.4	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.329	0.200	0.6	25.0	
$	35 2-Fluorobiphenyl	1.024	1.020	0.700	0.4	25.0	
	36 2-Chloronaphthalene	0.868	0.845	0.800	2.6	25.0	
	37 2-Nitroaniline	0.348	0.267	0.010	23.1	100.0	
	38 Dimethylphthalate	1.239	1.144	0.010	7.7	100.0	
	40 Acenaphthylene	1.460	1.240	1.300	15.1	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.269	0.200	6.6	25.0	



Data File: /chem/aux/mse.i/e111894.b/e2872.d

/chem/aux/mse.i/e111894.b/e2872.d

Data File: /chem/aux/mse.i/e111894.b/e2872.d
Report Date: 18-Nov-1994 08:30

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e111894.b/e2872.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-NOV-94 07:52
Autotune Date: (
Operator : Tom
Inst ID: mse.i
Smp Info : sstd50 11-18-94
Misc Info : calib check clp
Comment :
Method : /chem/aux/mse.i/e111894.b/bnaclpe.m
Meth Date : 18-Nov-1994 08:28
Cal Date : 18-NOV-94 07:52
Cal File: e2872.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

						CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.544	(0.482)	25190	43.6	21.8 (M)
1	N-Nitrosodimethylamine	42.00	3.601	(0.490)	12374	37.2	18.6
$ 3	2-Fluorophenol	112.00	5.613	(0.763)	27108	45.6	22.8
$ 4	Phenol-d5	99.00	6.960	(0.946)	29634	41.9	21.0
5	Phenol	94.00	6.974	(0.948)	33403	43.1	21.5
6	bis(2-Chloroethyl)ether	93.00	7.031	(0.956)	27013	42.5	21.3
$ 89	2-Chlorobenzene-D4	132.00	7.088	(0.000)	29894		(aM)
7	2-Chlorophenol	128.00	7.117	(0.968)	30370	48.6	24.3
* 9	1,4-Dichlorobenzene-d4	152.00	7.353	(1.000)	22532	40.0	
$ 88	1,2-Dichlorobenzene-D4	152.00	7.640	(0.000)	21266		(aM)
8	1,3-Dichlorobenzene	146.00	7.296	(0.992)	33806	51.9	25.9
10	1,4-Dichlorobenzene	146.00	7.375	(1.003)	35197	54.0	27.0
12	1,2-Dichlorobenzene	146.00	7.654	(1.041)	33597	51.6	25.8
13	2,2'-oxybis(1-Chloropropene)	45.00	7.826	(1.064)	22537	41.4	20.7
15	N-Nitroso-di-n-propylamine	70.00	8.048	(1.094)	18157	37.9	18.9
11	2-Methylphenol	108.00	7.833	(1.065)	24892	44.0	22.0
14	4-Methylphenol	108.00	8.055	(1.095)	26634	47.0	23.5
16	Hexachloroethane	117.00	8.112	(1.103)	16235	50.2	25.1
$ 17	Nitrobenzene-d5	82.00	8.248	(0.885)	33856	46.4	23.2
18	Nitrobenzene	77.00	8.277	(0.889)	31727	45.2	22.6
19	Isophorone	82.00	8.623	(0.926)	58807	43.0	21.5
21	2-Nitrophenol	139.00	8.764	(0.941)	19716	52.0	26.0
20	2,4-Dimethylphenol	107.00	8.857	(0.951)	31715	45.6	22.8
22	bis(2-Chloroethoxy)methane	93.00	8.979	(0.964)	33182	46.7	23.3
23	2,4-Dichlorophenol	162.00	9.150	(0.982)	28004	49.8	24.9
	1,2,4-Trichlorobenzene	180.00	9.258	(0.994)	30764	53.0	26.5
*	Naphthalene-d8	136.00	9.315	(1.000)	80833	40.0	
26	Naphthalene	128.00	9.351	(1.004)	81717	49.0	24.5
27	4-Chloroaniline	127.00	9.487	(1.018)	35155	47.7	23.8

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	9.623	(1.033)	21857	54.2	27.1
	29 4-Chloro-3-methylphenol	107.00	10.296	(1.105)	28994	47.1	23.5
	30 2-Methylnaphthalene	142.00	10.439	(1.121)	58278	49.2	24.6
	31 1-Methylnapthalene	142.00	10.611	(1.139)	52986	52.6	26.3(A)
	32 Hexachlorocyclopentadiene	237.00	10.797	(0.000)	1720	13.5	6.74(aM)
	33 2,4,6-Trichlorophenol	196.00	10.962	(0.902)	20977	47.3	23.7
	34 2,4,5-Trichlorophenol	196.00	11.048	(0.909)	23895	50.3	25.1
$	35 2-Fluorobiphenyl	172.00	11.062	(0.910)	74175	49.8	24.9
	36 2-Chloronaphthalene	162.00	11.220	(0.923)	61459	48.7	24.3
	37 2-Nitroaniline	65.00	11.463	(0.943)	19429	38.4	19.2(a)
	38 Dimethylphthalate	163.00	11.793	(0.971)	83149	46.2	23.1
	40 Acenaphthylene	152.00	11.900	(0.979)	90162	42.5	21.2
	39 2,6-Dinitrotoluene	165.00	11.921	(0.981)	19551	46.7	23.3
	41 3-Nitroaniline	138.00	12.143	(0.999)	19529	47.0	23.5(a)
*	42 Acenaphthene-d10	164.00	12.151	(1.000)	58163	40.0	
	44 Acenaphthene	153.00	12.201	(1.004)	61703	47.3	23.6
	43 2,4-Dinitrophenol	184.00	12.322	(1.014)	6435	39.8	19.9(a)
	47 Dibenzofuran	168.00	12.451	(1.025)	88735	47.0	23.5
	45 4-Nitrophenol	109.00	12.501	(1.029)	13195	45.6	22.8(a)
	46 2,4-Dinitrotoluene	165.00	12.551	(1.033)	27041	47.3	23.6
	Diethylphthalate	149.00	12.931	(1.064)	94240	47.2	23.6
	4-Chlorophenyl-phenylether	204.00	13.010	(1.071)	42443	54.6	27.3
	50 Fluorene	166.00	13.010	(1.071)	79595	51.4	25.7
	51 4-Nitroaniline	138.00	13.153	(1.082)	18779	47.5	23.7(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.225	(0.910)	13002	43.3	21.6(a)
	53 N-Nitrosodiphenylamine	169.00	13.232	(0.911)	49844	47.9	23.9
$	54 2,4,6-Tribromophenol	330.00	13.446	(1.107)	13043	48.3	24.2
	55 4-Bromophenyl-phenylether	248.00	13.790	(0.949)	21067	46.9	23.4
	56 Hexachlorobenzene	284.00	14.041	(0.966)	26164	49.0	24.5
	57 Pentachlorophenol	266.00	14.349	(0.988)	7280	48.8	24.4(a)
*	58 Phenanthrene-d10	188.00	14.528	(1.000)	91471	40.0	
	59 Phenanthrene	178.00	14.563	(1.002)	107604	50.4	25.2
	60 Anthracene	178.00	14.635	(1.007)	102564	47.2	23.6
	61 Carbazole	167.00	14.921	(1.027)	91199	50.1	25.0
	62 Di-n-butylphthalate	149.00	15.552	(1.070)	165421	48.9	24.5
	64 Fluoranthene	202.00	16.504	(1.136)	116467	50.5	25.2
	63 Benzidine	184.00	16.733	(0.888)	16945	33.1	16.5
	65 Pyrene	202.00	16.869	(0.895)	120133	51.6	25.8
$	66 Terphenyl-d14	244.00	17.134	(0.909)	88827	54.8	27.4
	67 Butylbenzylphthalate	149.00	17.972	(0.953)	78153	50.8	25.4
	69 3,3'-Dichlorobenzidine	252.00	18.816	(0.998)	49714	59.2	29.6
	71 Benzo(a)anthracene	228.00	18.824	(0.998)	126982	57.8	28.9
*	70 Chrysene-d12	240.00	18.852	(1.000)	99763	40.0	
	72 Chrysene	228.00	18.895	(1.002)	106747	52.6	26.3
	68 bis(2-Ethylhexyl)phthalate	149.00	18.917	(1.003)	117961	50.8	25.4
	i-n-octylphthalate	149.00	19.855	(0.944)	192058	45.1	22.5
	enzo(b)fluoranthene	252.00	20.492	(0.974)	114945	46.8	23.4
	75 Benzo(k)fluoranthene	252.00	20.528	(0.976)	127104	54.2	27.1
	76 Benzo(a)pyrene	252.00	20.950	(0.996)	99798	48.4	24.2

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 77 Perylene-d12	264.00	21.029	(1.000)	94440	40.0	
78 Dibenzo(a,h)anthracene	278.00	22.654	(1.077)	96269	49.5	24.8
79 Indeno(1,2,3-cd)pyrene	276.00	22.654	(1.077)	119192	51.8	25.9
80 Benzo(g,h,i)perylene	276.00	23.120	(1.099)	78807	49.1	24.6

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:47

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4987.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 12:07
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111894.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.842	0.939	0.010	11.5	100.0	
	2 N-Nitrosodimethylamine	0.513	0.527	0.010	2.7	100.0	
$	3 2-Fluorophenol	0.971	1.039	0.600	7.1	25.0	
$	4 Phenol-d5	1.147	1.313	0.800	14.4	25.0	
	5 Phenol	1.144	1.385	0.800	21.1	25.0	
	6 bis(2-Chloroethyl)ether	1.022	1.297	0.700	26.9	25.0	<-
$	7 2-Chlorobenzene-D4	1.024	1.113	0.700	8.7	25.0	
	8 2-Chlorophenol	1.070	1.159	0.800	8.3	25.0	
	9 1,3-Dichlorobenzene	1.157	1.218	0.600	5.3	25.0	
	11 1,4-Dichlorobenzene	1.157	1.225	0.500	5.9	25.0	
$	12 1,2-Dichlorobenzene-D4	0.701	0.754	0.700	7.6	25.0	
	13 1,2-Dichlorobenzene	1.063	1.171	0.400	10.1	25.0	
	14 2-Methylphenol	0.810	1.065	0.700	31.5	25.0	<-
	15 2,2'-oxybis(1-Chloropropene)	0.976	1.577	0.010	61.7	100.0	
	16 4-Methylphenol	0.873	1.132	0.600	29.7	25.0	<-
	17 N-Nitroso-di-n-propylamine	0.726	0.900	0.500	24.0	25.0	
	18 Hexachloroethane	0.561	0.590	0.300	5.2	25.0	
$	19 Nitrobenzene-d5	0.322	0.330	0.200	2.6	25.0	
	20 Nitrobenzene	0.319	0.355	0.200	11.3	25.0	
	21 Isophorone	0.650	0.761	0.400	16.9	25.0	
	22 2-Nitrophenol	0.215	0.221	0.100	3.0	25.0	
	23 2,4-Dimethylphenol	0.314	0.311	0.200	0.9	25.0	
	24 bis(2-Chloroethoxy)methane	0.391	0.468	0.300	19.8	25.0	
	25 2,4-Dichlorophenol	0.292	0.287	0.200	1.6	25.0	
	26 1,2,4-Trichlorobenzene	0.312	0.318	0.200	2.0	25.0	
	28 Naphthalene	0.788	0.831	0.700	5.6	25.0	
	29 4-Chloroaniline	0.403	0.410	0.010	1.8	100.0	
	30 Hexachlorobutadiene	0.162	0.142	0.010	12.0	100.0	
	31 4-Chloro-3-methylphenol	0.307	0.309	0.200	0.7	25.0	
	32 2-Methylnaphthalene	0.521	0.547	0.400	5.0	25.0	
	33 1-Methylnaphthalene	1.488	1.825	0.010	22.6	100.0	
	34 Hexachlorocyclopentadiene	0.320	0.267	0.010	16.8	100.0	
	35 2,4,6-Trichlorophenol	0.374	0.386	0.200	3.1	25.0	
	36 2,4,5-Trichlorophenol	0.397	0.423	0.200	6.6	25.0	
$	37 2-Fluorobiphenyl	0.953	1.045	0.700	9.6	25.0	
	38 2-Chloronaphthalene	0.901	0.996	0.800	10.5	25.0	
	39 2-Nitroaniline	0.320	0.356	0.010	11.3	100.0	
	40 Dimethylphthalate	1.289	1.336	0.010	3.6	100.0	
	41 2,6-Dinitrotoluene	0.311	0.330	0.200	6.3	25.0	
	42 Acenaphthylene	1.385	1.449	1.300	4.6	25.0	

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:47

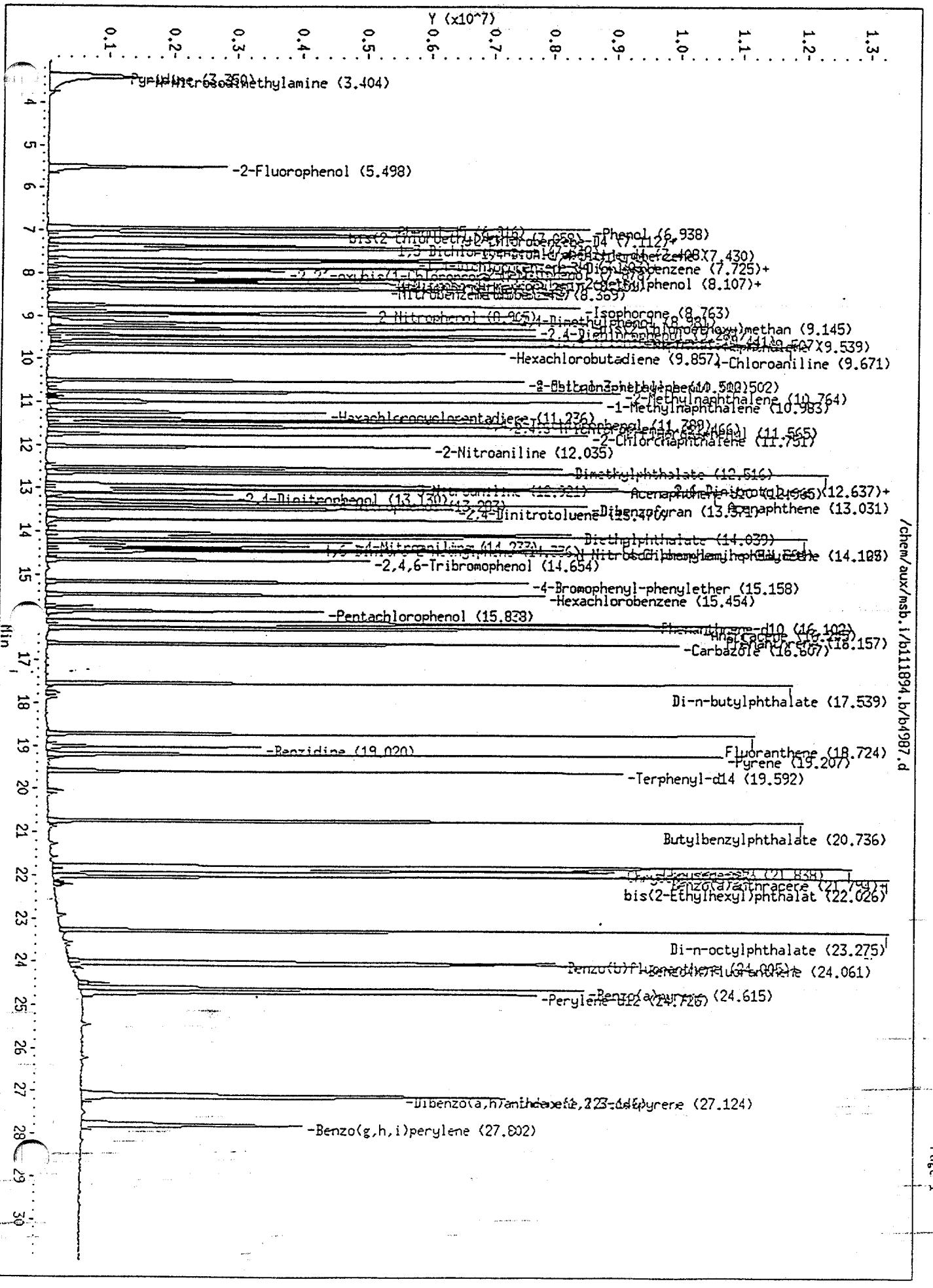
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4987.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 12:07
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111894.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.359	0.399	0.010	11.3	100.0	
	45 Acenaphthene	0.869	0.986	0.800	13.5	25.0	
	46 2,4-Dinitrophenol	0.210	0.181	0.010	13.6	100.0	
	47 4-Nitrophenol	0.226	0.155	0.010	31.4	100.0	
	48 Dibenzofuran	1.293	1.397	0.800	8.0	25.0	
	49 2,4-Dinitrotoluene	0.489	0.514	0.200	5.0	25.0	
	50 Diethylphthalate	1.430	1.493	0.010	4.4	100.0	
	51 4-Chlorophenyl-phenylether	0.486	0.529	0.400	8.7	25.0	
	52 Fluorene	0.931	1.070	0.900	14.9	25.0	
	53 4-Nitroaniline	0.375	0.430	0.010	14.5	100.0	
	54 4,6-Dinitro-2-methylphenol	0.164	0.153	0.010	6.5	100.0	
	55 N-Nitrosodiphenylamine	0.424	0.453	0.010	6.7	100.0	
$	56 2,4,6-Tribromophenol	0.218	0.191	0.010	12.2	100.0	
	57 4-Bromophenyl-phenylether	0.211	0.197	0.100	6.9	25.0	
	58 Hexachlorobenzene	0.284	0.261	0.100	7.8	25.0	
	59 Pentachlorophenol	0.125	0.094	0.050	25.0	25.0	<-
	61 Phenanthrene	0.876	0.965	0.700	10.1	25.0	
	62 Anthracene	0.870	0.952	0.700	9.5	25.0	
	63 Carbazole	0.833	0.943	0.010	13.3	100.0	
	64 Di-n-butylphthalate	1.362	1.511	0.010	10.9	100.0	
	65 Fluoranthene	0.977	1.063	0.600	8.7	25.0	
	66 Benzidine	0.385	0.315	0.010	18.1	100.0	
	67 Pyrene	1.193	1.330	0.600	11.5	25.0	
$	68 Terphenyl-d14	0.728	0.844	0.500	16.0	25.0	
	69 Butylbenzylphthalate	0.826	0.931	0.010	12.7	100.0	
	70 Benzo(a)anthracene	0.867	0.890	0.800	2.6	25.0	
	72 3,3'-Dichlorobenzidine	0.393	0.405	0.010	3.1	100.0	
	73 Chrysene	0.705	0.837	0.700	18.8	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.964	1.249	0.010	29.6	100.0	
	75 Di-n-octylphthalate	2.124	2.351	0.010	10.7	100.0	
	76 Benzo(b)fluoranthene	1.130	1.106	0.700	2.1	25.0	
	77 Benzo(k)fluoranthene	0.941	1.133	0.700	20.5	25.0	
	78 Benzo(a)pyrene	0.862	0.974	0.700	10.4	25.0	
	80 Indeno(1,2,3-cd)pyrene	0.814	0.892	0.500	9.7	25.0	
	81 Dibenzo(a,h)anthracene	0.729	0.743	0.400	1.9	25.0	
	82 Benzo(g,h,i)perylene	0.621	0.657	0.500	5.8	25.0	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N-Nitrosodimethylamine (3.404)
-2-Fluorophenol (5.498)
-Phenol (6.938)
-Isophorone (8.763)
-Hexachlorobutadiene (9.857)
-2-Chloroaniline (9.671)
-2-Methylnaphthalene (10.764)
-1-Methylnaphthalene (10.983)
-2-Chloronaphthalene (11.751)
-2-Nitroaniline (12.035)
Dimethylphthalate (12.516)
Dibenzofuran (13.071)
Acenaphthene (13.031)
Diethylphthalate (14.039)
-2,4,6-Tribromophenol (14.654)
-4-Bromophenyl-phenylether (15.158)
-Hexachlorobenzene (15.454)
-Pentachlorophenol (15.838)
-Carbazole (16.607)
Di-n-butylphthalate (17.539)
-Pyrene (19.207)
-Terphenyl-d14 (19.592)
Butylbenzylphthalate (20.736)
bis(2-Ethylhexyl)phthalat (22.026)
Di-n-octylphthalate (23.275)
-Perylene (24.615)
-Benzo(g,h,i)perylene (27.802)
Data File: /chem/aux/msb.i/b111894.b/b4987.d
/chem/aux/msb.i/b111894.b/b4987.d

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:46

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b111894.b/b4987.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-NOV-94 12:07
Autotune Date: {
Operator : Tom
Inst ID: msb.i
Smp Info : sstd50 11-18-94
Misc Info : calib check clp
Comment :
Method : /chem/aux/msb.i/b111894.b/bnaclpa.m
Meth Date : 18-Nov-1994 12:43
Cal Date : 18-NOV-94 12:07
Cal File: b4987.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.350	(0.435)	2274393	55.8	27.9
	2 N-Nitrosodimethylamine	42.00	3.404	(0.442)	1274731	51.4	25.7
$	3 2-Fluorophenol	112.00	5.498	(0.714)	2516478	53.5	26.8
$	4 Phenol-d5	99.00	6.916	(0.898)	3178335	57.2	28.6
	5 Phenol	94.00	6.938	(0.901)	3352518	60.5	30.3
	6 bis(2-Chloroethyl)ether	93.00	7.058	(0.916)	3139334	63.4	31.7
$	7 2-Chlorobenzene-D4	132.00	7.101	(0.922)	2595545	54.3	27.2(A)
	8 2-Chlorophenol	128.00	7.123	(0.925)	2806247	54.1	27.1
	9 1,3-Dichlorobenzene	146.00	7.342	(0.953)	2947893	52.6	26.3(H)
*	10 1,4-Dichlorobenzene-d4	152.00	7.408	(1.000)	1936720	40.0	(H)
	11 1,4-Dichlorobenzene	146.00	7.430	(0.965)	2965564	52.9	26.5(H)
$	12 1,2-Dichlorobenzene-D4	152.00	7.703	(1.000)	1825832	53.8	26.9(A)
	13 1,2-Dichlorobenzene	146.00	7.736	(1.004)	2834026	55.1	27.5
	14 2-Methylphenol	108.00	7.878	(1.023)	2578733	65.7	32.9(H)
	15 2,2'-oxybis(1-Chloropropene)	45.00	7.932	(1.030)	3818577	80.8	40.4
	16 4-Methylphenol	108.00	8.107	(1.052)	2739317	64.8	32.4
	17 N-Nitroso-di-n-propylamine	70.00	8.151	(1.058)	2179341	62.0	31.0
	18 Hexachloroethane	117.00	8.227	(1.068)	1427220	52.6	26.3
$	19 Nitrobenzene-d5	82.00	8.348	(0.878)	2842218	51.3	25.7
	20 Nitrobenzene	77.00	8.369	(0.880)	3057640	55.6	27.8
	21 Isophorone	82.00	8.763	(0.922)	6544794	58.5	29.2
	22 2-Nitrophenol	139.00	8.905	(0.937)	1904135	51.5	25.7
	23 2,4-Dimethylphenol	107.00	8.981	(0.945)	2576562	49.5	24.8
	24 bis(2-Chloroethoxy)methane	93.00	9.145	(0.962)	4028437	59.9	29.9
	25 2,4-Dichlorophenol	162.00	9.287	(0.977)	2472498	49.2	24.6
	26 1,2,4-Trichlorobenzene	180.00	9.441	(0.993)	2739826	51.0	25.5
*	27 Naphthalene-d8	136.00	9.507	(1.000)	6883915	40.0	
	28 Naphthalene	128.00	9.539	(1.003)	7154290	52.8	26.4
	29 4-Chloroaniline	127.00	9.671	(1.017)	3529404	50.9	25.4

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:46

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	30 Hexachlorobutadiene	225.00	9.857	(1.037)	1226128	44.0	22.0
	31 4-Chloro-3-methylphenol	107.00	10.502	(1.105)	2655468	50.3	25.2
	32 2-Methylnaphthalene	142.00	10.764	(1.132)	4704098	52.5	26.2(H)
	33 1-Methylnaphthalene	142.00	10.983	(0.000)	4417288	61.3	30.6(AM)
	34 Hexachlorocyclopentadiene	237.00	11.236	(0.867)	1397841	41.6	20.8
	35 2,4,6-Trichlorophenol	196.00	11.400	(0.879)	2021503	51.5	25.8
	36 2,4,5-Trichlorophenol	196.00	11.466	(0.884)	2220330	53.3	26.6
$	37 2-Fluorobiphenyl	172.00	11.565	(0.892)	5480418	54.8	27.4
	38 2-Chloronaphthalene	162.00	11.751	(0.906)	5222105	55.2	27.6
	39 2-Nitroaniline	65.00	12.035	(0.928)	1867207	55.6	27.8
	40 Dimethylphthalate	163.00	12.516	(0.965)	7004345	51.8	25.9
	41 2,6-Dinitrotoluene	165.00	12.648	(0.976)	1731886	53.1	26.6
	42 Acenaphthylene	152.00	12.637	(0.975)	7599075	52.3	26.1
	43 3-Nitroaniline	138.00	12.921	(0.997)	2092543	55.6	27.8
*	44 Acenaphthene-d10	164.00	12.965	(1.000)	4195023	40.0	
	45 Acenaphthene	153.00	13.031	(1.005)	5169336	56.7	28.4
	46 2,4-Dinitrophenol	184.00	13.130	(1.013)	951079	43.2	21.6(a)
	47 4-Nitrophenol	109.00	13.283	(1.025)	814744	34.3	17.2(a)
	48 Dibenzofuran	168.00	13.371	(1.031)	7323488	54.0	27.0
	49 2,4-Dinitrotoluene	165.00	13.470	(1.039)	2693511	52.5	26.2
	Diethylphthalate	149.00	14.039	(1.083)	7828952	52.2	26.1
	51 4-Chlorophenyl-phenylether	204.00	14.127	(1.090)	2773012	54.4	27.2
	52 Fluorene	166.00	14.105	(1.088)	5609702	57.4	28.7
	53 4-Nitroaniline	138.00	14.237	(1.098)	2252284	57.3	28.6
	54 4,6-Dinitro-2-methylphenol	198.00	14.336	(0.000)	1400341	46.7	23.4(aM)
	55 N-Nitrosodiphenylamine	169.00	14.402	(0.894)	4133649	53.4	26.7
$	56 2,4,6-Tribromophenol	330.00	14.654	(1.130)	1002337	43.9	21.9
	57 4-Bromophenyl-phenylether	248.00	15.158	(0.941)	1793776	46.6	23.3
	58 Hexachlorobenzene	284.00	15.454	(0.960)	2385528	46.1	23.0
	59 Pentachlorophenol	266.00	15.838	(0.984)	857337	37.5	18.7(a)
*	60 Phenanthrene-d10	188.00	16.102	(1.000)	7301725	40.0	
	61 Phenanthrene	178.00	16.157	(1.003)	8803434	55.0	27.5
	62 Anthracene	178.00	16.245	(1.009)	8692619	54.7	27.4
	63 Carbazole	167.00	16.607	(1.031)	8610987	56.6	28.3
	64 Di-n-butylphthalate	149.00	17.539	(1.089)	13786614	55.4	27.7
	65 Fluoranthene	202.00	18.724	(1.163)	9698192	54.4	27.2
	66 Benzidine	184.00	19.020	(0.871)	2378176	40.9	20.5
	67 Pyrene	202.00	19.207	(0.880)	10047099	55.7	27.9
$	68 Terphenyl-d14	244.00	19.592	(0.897)	6377025	58.0	29.0
	69 Butylbenzylphthalate	149.00	20.736	(0.950)	7030407	56.4	28.2
	70 Benzo(a)anthracene	228.00	21.805	(0.998)	6724106	51.3	25.6
*	71 Chrysene-d12	240.00	21.838	(1.000)	6042920	40.0	
	72 3,3'-Dichlorobenzidine	252.00	21.782	(0.997)	3061758	51.5	25.8
	73 Chrysene	228.00	21.904	(1.003)	6323403	59.4	29.7
	74 bis(2-Ethylhexyl)phthalate	149.00	22.026	(1.009)	9438256	64.8	32.4
	Di-n-octylphthalate	149.00	23.275	(0.941)	14860111	55.3	27.7
	Benzo(b)fluoranthene	252.00	24.005	(0.971)	6992978	48.9	24.5
	77 Benzo(k)fluoranthene	252.00	24.061	(0.973)	7161101	60.2	30.1(H)
	78 Benzo(a)pyrene	252.00	24.615	(0.996)	6157131	55.2	27.6

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:46

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.726	(1.000)	5056479	40.0	
80 Indeno(1,2,3-cd)pyrene	276.00	27.113	(1.097)	5639656	54.8	27.4
81 Dibenzo(a,h)anthracene	278.00	27.146	(1.098)	4694519	51.0	25.5
82 Benzo(g,h,i)perylene	276.00	27.802	(1.124)	4154871	52.9	26.4

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2893.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-NOV-94 11:40
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112094.b/bnaclpe.m

				MIN		MAX	
	COMPOUND	RRF	RF50	RRF	%D	%D	
	2 Pyridine	1.026	0.868	0.010	15.4	100.0	
	1 N-Nitrosodimethylamine	0.590	0.431	0.010	26.9	100.0	
$	3 2-Fluorophenol	1.056	0.967	0.600	8.4	25.0	
$	4 Phenol-d5	1.255	1.033	0.800	17.7	25.0	
	5 Phenol	1.377	1.119	0.800	18.7	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.946	0.700	16.1	25.0	
$	89 2-Chlorobenzene-D4	++++	1.056	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.040	0.800	6.2	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.725	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.167	0.600	0.9	25.0	
	10 1,4-Dichlorobenzene	1.157	1.225	0.500	5.9	25.0	
	12 1,2-Dichlorobenzene	1.157	1.143	0.400	1.2	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.796	0.010	17.5	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.634	0.500	25.5	25.0	<-
	11 2-Methylphenol	1.005	0.879	0.700	12.5	25.0	
	14 4-Methylphenol	1.005	0.952	0.600	5.2	25.0	
	16 Hexachloroethane	0.574	0.557	0.300	2.9	25.0	
$	17 Nitrobenzene-d5	0.361	0.325	0.200	10.0	25.0	
	18 Nitrobenzene	0.347	0.307	0.200	11.5	25.0	
	19 Isophorone	0.677	0.574	0.400	15.2	25.0	
	21 2-Nitrophenol	0.188	0.188	0.100	0.2	25.0	
	20 2,4-Dimethylphenol	0.344	0.317	0.200	7.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.325	0.300	7.6	25.0	
	23 2,4-Dichlorophenol	0.279	0.281	0.200	0.9	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.296	0.200	3.2	25.0	
	26 Naphthalene	0.825	0.822	0.700	0.4	25.0	
	27 4-Chloroaniline	0.365	0.350	0.010	4.0	100.0	
	28 Hexachlorobutadiene	0.200	0.214	0.010	7.3	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.292	0.200	4.3	25.0	
	30 2-Methylnaphthalene	0.586	0.573	0.400	2.2	25.0	
	31 1-Methylnapthalene	0.499	0.530	0.400	6.3	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.019	0.010	78.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.284	0.200	7.0	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.334	0.200	2.1	25.0	
$	35 2-Fluorobiphenyl	1.024	1.015	0.700	0.9	25.0	
	36 2-Chloronaphthalene	0.868	0.834	0.800	4.0	25.0	
	37 2-Nitroaniline	0.348	0.265	0.010	23.8	100.0	
	38 Dimethylphthalate	1.239	1.126	0.010	9.1	100.0	
	40 Acenaphthylene	1.460	1.221	1.300	16.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.264	0.200	8.4	25.0	

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

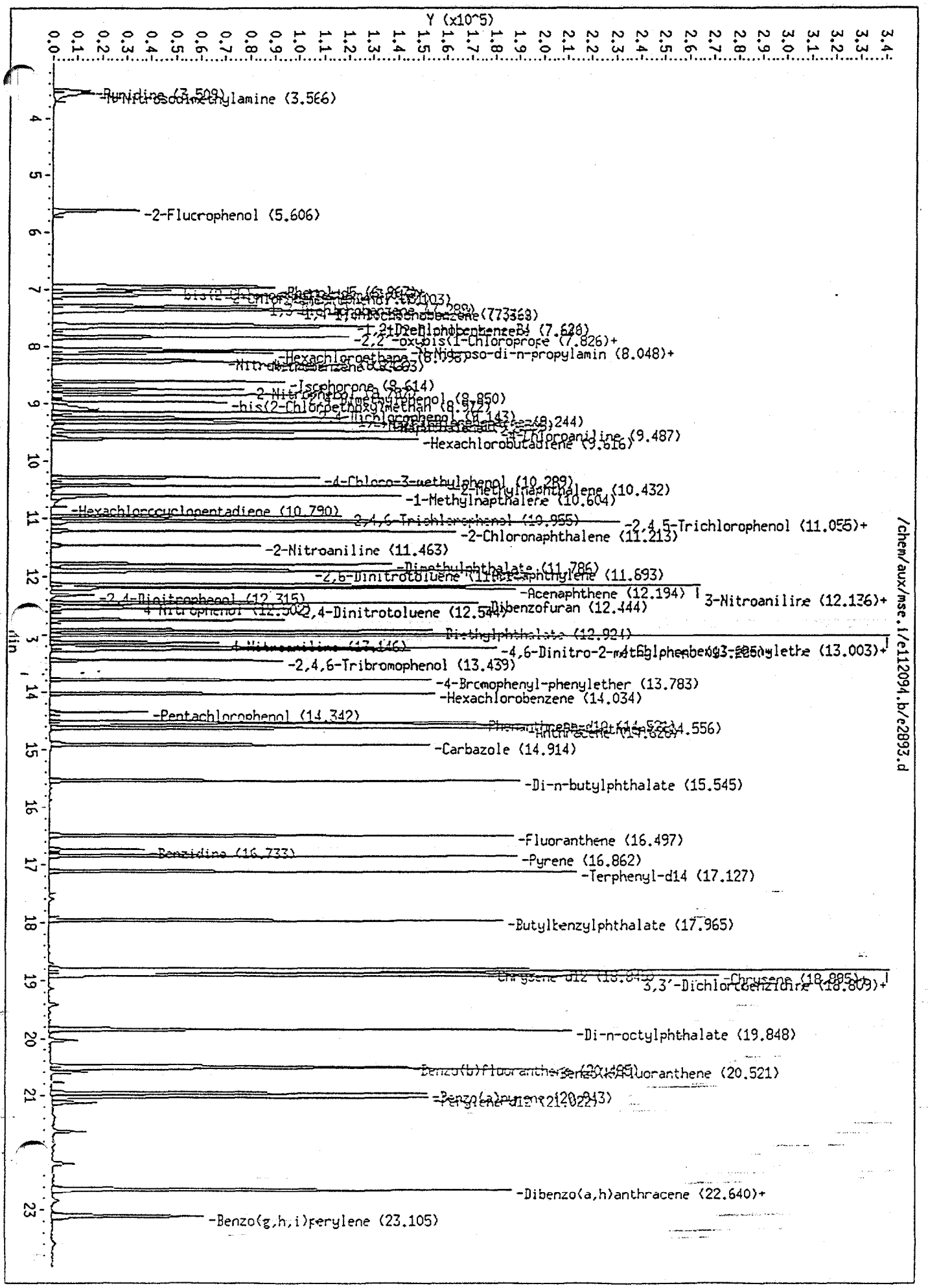
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2893.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-NOV-94 11:40
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112094.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.266	0.010	6.9	100.0
	44 Acenaphthene	0.897	0.854	0.800	4.7	25.0
	43 2,4-Dinitrophenol	0.111	0.056	0.010	49.2	100.0
	47 Dibenzofuran	1.298	1.208	0.800	6.9	25.0
	45 4-Nitrophenol	0.199	0.170	0.010	14.4	100.0
	46 2,4-Dinitrotoluene	0.393	0.348	0.200	11.5	25.0
	48 Diethylphthalate	1.372	1.266	0.010	7.8	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.572	0.400	7.1	25.0
	50 Fluorene	1.065	1.080	0.900	1.4	25.0
	51 4-Nitroaniline	0.272	0.245	0.010	10.0	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.091	0.010	30.5	100.0
	53 N-Nitrosodiphenylamine	0.455	0.428	0.010	6.0	100.0
$	54 2,4,6-Tribromophenol	0.186	0.168	0.010	9.6	100.0
	55 4-Bromophenyl-phenylether	0.196	0.184	0.100	6.1	25.0
	56 Hexachlorobenzene	0.233	0.226	0.100	3.2	25.0
	57 Pentachlorophenol	0.065	0.053	0.050	19.1	25.0
	59 Phenanthrene	0.933	0.939	0.700	0.6	25.0
	60 Anthracene	0.950	0.903	0.700	4.9	25.0
	61 Carbazole	0.796	0.796	0.010	0.0	100.0
	62 Di-n-butylphthalate	1.479	1.452	0.010	1.8	100.0
	64 Fluoranthene	1.009	1.007	0.600	0.2	25.0
	63 Benzidine	0.205	0.182	0.010	11.4	100.0
	65 Pyrene	0.934	0.986	0.600	5.5	25.0
$	66 Terphenyl-d14	0.650	0.725	0.500	11.6	25.0
	67 Butylbenzylphthalate	0.617	0.639	0.010	3.6	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.396	0.010	17.5	100.0
	71 Benzo(a)anthracene	0.880	1.041	0.800	18.2	25.0
	72 Chrysene	0.814	0.881	0.700	8.2	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.966	0.010	3.8	100.0
	73 Di-n-octylphthalate	1.805	1.649	0.010	8.6	100.0
	74 Benzo(b)fluoranthene	1.040	0.940	0.700	9.6	25.0
	75 Benzo(k)fluoranthene	0.994	1.104	0.700	11.1	25.0
	76 Benzo(a)pyrene	0.873	0.837	0.700	4.1	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.734	0.400	10.9	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	0.904	0.500	7.3	25.0
	80 Benzo(g,h,i)perylene	0.680	0.576	0.500	15.2	25.0



Data File: /chem/aux/mse.i/e112094.b/e2893.d

/chem/aux/mse.i/e112094.b/e2893.d

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e112094.b/e2893.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 20-NOV-94 11:40
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : sstd50 11-20-94
Misc Info : calib check clp
Comment :
Method : /chem/aux/mse.i/e112094.b/bnaclpe.m
Meth Date : 20-Nov-1994 12:15
Cal Date : 20-NOV-94 11:40
Cal File: e2893.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

			QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	
		Pyridine	79.00	3.509	(0.478)	23967	42.3	21.2	(M)
	1	N-Nitrosodimethylamine	42.00	3.566	(0.485)	11905	36.6	18.3	
$	3	2-Fluorophenol	112.00	5.606	(0.763)	26705	45.8	22.9	
$	4	Phenol-d5	99.00	6.953	(0.946)	28519	41.2	20.6	
	5	Phenol	94.00	6.974	(0.949)	30897	40.6	20.3	
	6	bis(2-Chloroethyl)ether	93.00	7.017	(0.955)	26102	41.9	21.0	
$	89	2-Chlorobenzene-D4	132.00	7.081	(0.000)	29147			(aM)
	7	2-Chlorophenol	128.00	7.110	(0.968)	28708	46.9	23.5	
*	9	1,4-Dichlorobenzene-d4	152.00	7.346	(1.000)	22085	40.0		
$	88	1,2-Dichlorobenzene-D4	152.00	7.626	(0.000)	20003			(aM)
	8	1,3-Dichlorobenzene	146.00	7.289	(0.992)	32227	50.4	25.2	
	10	1,4-Dichlorobenzene	146.00	7.368	(1.003)	33821	52.9	26.5	
	12	1,2-Dichlorobenzene	146.00	7.647	(1.041)	31542	49.4	24.7	
	13	2,2'-oxybis(1-Chloropropene)	45.00	7.819	(1.064)	21984	41.2	20.6	
	15	N-Nitroso-di-n-propylamine	70.00	8.041	(1.095)	17510	37.3	18.6	
	11	2-Methylphenol	108.00	7.826	(1.065)	24279	43.8	21.9	
	14	4-Methylphenol	108.00	8.048	(1.095)	26292	47.4	23.7	
	16	Hexachloroethane	117.00	8.098	(1.102)	15374	48.5	24.3	
$	17	Nitrobenzene-d5	82.00	8.234	(0.885)	31764	45.0	22.5	
	18	Nitrobenzene	77.00	8.263	(0.888)	29978	44.2	22.1	
	19	Isophorone	82.00	8.614	(0.925)	55025	42.4	21.2	
	21	2-Nitrophenol	139.00	8.757	(0.941)	18368	50.1	25.1	
	20	2,4-Dimethylphenol	107.00	8.850	(0.951)	30981	46.2	23.1	
	22	bis(2-Chloroethoxy)methane	93.00	8.972	(0.964)	31734	46.2	23.1	
	23	2,4-Dichlorophenol	162.00	9.143	(0.982)	27429	50.4	25.2	
		1,2,4-Trichlorobenzene	180.00	9.251	(0.994)	28927	51.6	25.8	
*		Naphthalene-d8	136.00	9.308	(1.000)	78107	40.0		
	26	Naphthalene	128.00	9.344	(1.004)	80278	49.8	24.9	
	27	4-Chloroaniline	127.00	9.480	(1.018)	34207	48.0	24.0	

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	9.616	(1.033)	20929	53.7	26.8
	29 4-Chloro-3-methylphenol	107.00	10.289	(1.105)	28481	47.9	23.9
	30 2-Methylnaphthalene	142.00	10.432	(1.121)	55950	48.9	24.4
	31 1-Methylnapthalene	142.00	10.604	(1.139)	51727	53.1	26.6(A)
	32 Hexachlorocyclopentadiene	237.00	10.790	(0.000)	1382	11.0	5.51(aM)
	33 2,4,6-Trichlorophenol	196.00	10.955	(0.902)	20278	46.5	23.2
	34 2,4,5-Trichlorophenol	196.00	11.041	(0.909)	23847	51.0	25.5
$	35 2-Fluorobiphenyl	172.00	11.055	(0.910)	72590	49.6	24.8
	36 2-Chloronaphthalene	162.00	11.213	(0.923)	59609	48.0	24.0
	37 2-Nitroaniline	65.00	11.463	(0.944)	18941	38.1	19.0(a)
	38 Dimethylphthalate	163.00	11.786	(0.971)	80485	45.4	22.7
	40 Acenaphthylene	152.00	11.893	(0.979)	87312	41.8	20.9
	39 2,6-Dinitrotoluene	165.00	11.914	(0.981)	18850	45.8	22.9
	41 3-Nitroaniline	138.00	12.136	(0.999)	19032	46.5	23.3(a)
*	42 Acenaphthene-d10	164.00	12.144	(1.000)	57201	40.0	
	44 Acenaphthene	153.00	12.194	(1.004)	61089	47.6	23.8
	43 2,4-Dinitrophenol	184.00	12.315	(1.014)	4037	25.4	12.7(a)
	47 Dibenzofuran	168.00	12.444	(1.025)	86351	46.5	23.3
	45 4-Nitrophenol	109.00	12.502	(1.029)	12168	42.8	21.4(a)
	46 2,4-Dinitrotoluene	165.00	12.552	(1.034)	24873	44.2	22.1
	Diethylphthalate	149.00	12.924	(1.064)	90529	46.1	23.1
	49 4-Chlorophenyl-phenylether	204.00	13.003	(1.071)	40918	53.5	26.8
	50 Fluorene	166.00	13.003	(1.071)	77221	50.7	25.4
	51 4-Nitroaniline	138.00	13.146	(1.083)	17503	45.0	22.5(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.218	(0.910)	10108	34.8	17.4(a)
	53 N-Nitrosodiphenylamine	169.00	13.225	(0.911)	47369	47.0	23.5
$	54 2,4,6-Tribromophenol	330.00	13.439	(1.107)	11998	45.2	22.6
	55 4-Bromophenyl-phenylether	248.00	13.783	(0.949)	20420	46.9	23.5
	56 Hexachlorobenzene	284.00	14.034	(0.966)	25009	48.4	24.2
	57 Pentachlorophenol	266.00	14.349	(0.988)	5837	40.4	20.2(a)
*	58 Phenanthrene-d10	188.00	14.521	(1.000)	88556	40.0	
	59 Phenanthrene	178.00	14.556	(1.002)	103974	50.3	25.2
	60 Anthracene	178.00	14.628	(1.007)	99989	47.6	23.8
	61 Carbazole	167.00	14.914	(1.027)	88128	50.0	25.0
	62 Di-n-butylphthalate	149.00	15.545	(1.071)	160701	49.1	24.5
	64 Fluoranthene	202.00	16.497	(1.136)	111438	49.9	25.0
	63 Benzidine	184.00	16.733	(0.888)	21694	44.3	22.2
	65 Pyrene	202.00	16.862	(0.895)	117451	52.8	26.4
$	66 Terphenyl-d14	244.00	17.127	(0.909)	86392	55.8	27.9
	67 Butylbenzylphthalate	149.00	17.972	(0.954)	76148	51.8	25.9
	69 3,3'-Dichlorobenzidine	252.00	18.809	(0.998)	47174	58.8	29.4
	71 Benzo(a)anthracene	228.00	18.817	(0.998)	123998	59.1	29.6
*	70 Chrysene-d12	240.00	18.845	(1.000)	95302	40.0	
	72 Chrysene	228.00	18.888	(1.002)	104975	54.1	27.0
	68 bis(2-Ethylhexyl)phthalate	149.00	18.910	(1.003)	115034	51.9	25.9
	i-n-octylphthalate	149.00	19.848	(0.944)	186964	45.7	22.8
	Benzo(b)fluoranthene	252.00	20.485	(0.974)	106567	45.2	22.6
	75 Benzo(k)fluoranthene	252.00	20.521	(0.976)	125226	55.6	27.8
	76 Benzo(a)pyrene	252.00	20.943	(0.996)	94905	47.9	24.0

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 77 Perylene-d12	264.00	21.022	(1.000)	90706	40.0	
78 Dibenzo(a,h)anthracene	278.00	22.640	(1.077)	83205	44.6	22.3
79 Indeno(1,2,3-cd)pyrene	276.00	22.640	(1.077)	102548	46.4	23.2
80 Benzo(g,h,i)perylene	276.00	23.105	(1.099)	65314	42.4	21.2

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2921.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 13:58
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1121a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.953	0.010	7.2	100.0	
	1 N-Nitrosodimethylamine	0.590	0.471	0.010	20.1	100.0	
$	3 2-Fluorophenol	1.056	0.993	0.600	5.9	25.0	
$	4 Phenol-d5	1.255	1.070	0.800	14.7	25.0	
	5 Phenol	1.377	1.180	0.800	14.3	25.0	
	6 bis(2-Chloroethyl)ether	1.128	1.032	0.700	8.5	25.0	
$	89 2-Chlorobenzene-D4	++++	1.093	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.097	0.800	1.0	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.749	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.186	0.600	2.5	25.0	
	10 1,4-Dichlorobenzene	1.157	1.224	0.500	5.8	25.0	
	12 1,2-Dichlorobenzene	1.157	1.153	0.400	0.3	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.849	0.010	12.1	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.647	0.500	24.0	25.0	
	11 2-Methylphenol	1.005	0.915	0.700	8.9	25.0	
	14 4-Methylphenol	1.005	0.970	0.600	3.4	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.4	25.0	
$	17 Nitrobenzene-d5	0.361	0.332	0.200	8.3	25.0	
	18 Nitrobenzene	0.347	0.311	0.200	10.3	25.0	
	19 Isophorone	0.677	0.597	0.400	11.8	25.0	
	21 2-Nitrophenol	0.188	0.191	0.100	1.9	25.0	
	20 2,4-Dimethylphenol	0.344	0.321	0.200	6.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.334	0.300	5.0	25.0	
	23 2,4-Dichlorophenol	0.279	0.278	0.200	0.3	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.291	0.200	1.5	25.0	
	26 Naphthalene	0.825	0.821	0.700	0.5	25.0	
	27 4-Chloroaniline	0.365	0.332	0.010	9.1	100.0	
	28 Hexachlorobutadiene	0.200	0.207	0.010	3.6	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.293	0.200	3.7	25.0	
	30 2-Methylnaphthalene	0.586	0.579	0.400	1.2	25.0	
	31 1-Methylnapthalene	0.499	0.531	0.400	6.6	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.023	0.010	73.8	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.280	0.200	8.0	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.328	0.200	0.4	25.0	
$	35 2-Fluorobiphenyl	1.024	1.019	0.700	0.5	25.0	
	36 2-Chloronaphthalene	0.868	0.845	0.800	2.7	25.0	
	37 2-Nitroaniline	0.348	0.262	0.010	24.7	100.0	
	38 Dimethylphthalate	1.239	1.147	0.010	7.4	100.0	
	40 Acenaphthylene	1.460	1.264	1.300	13.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.272	0.200	5.6	25.0	

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

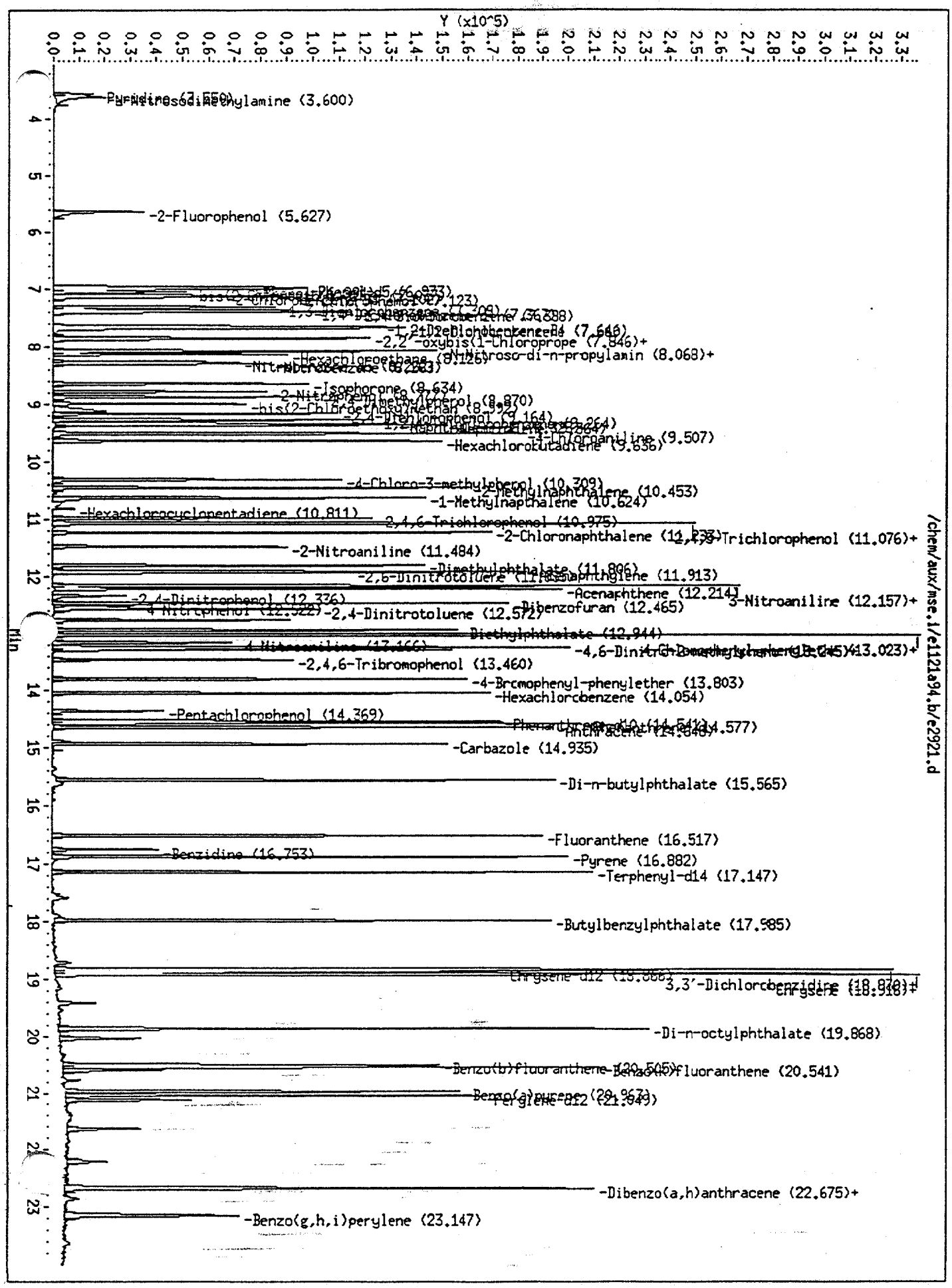
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2921.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 13:58
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1121a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.266	0.010	7.1	100.0
	44 Acenaphthene	0.897	0.868	0.800	3.2	25.0
	43 2,4-Dinitrophenol	0.111	0.089	0.010	19.6	100.0
	47 Dibenzofuran	1.298	1.232	0.800	5.1	25.0
	45 4-Nitrophenol	0.199	0.167	0.010	16.2	100.0
	46 2,4-Dinitrotoluene	0.393	0.366	0.200	6.8	25.0
	48 Diethylphthalate	1.372	1.295	0.010	5.6	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.572	0.400	7.1	25.0
	50 Fluorene	1.065	1.099	0.900	3.2	25.0
	51 4-Nitroaniline	0.272	0.255	0.010	6.2	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.114	0.010	13.0	100.0
	53 N-Nitrosodiphenylamine	0.455	0.437	0.010	3.9	100.0
$	54 2,4,6-Tribromophenol	0.186	0.161	0.010	13.2	100.0
	55 4-Bromophenyl-phenylether	0.196	0.181	0.100	8.0	25.0
	56 Hexachlorobenzene	0.233	0.222	0.100	4.9	25.0
	57 Pentachlorophenol	0.065	0.055	0.050	15.6	25.0
	59 Phenanthrene	0.933	0.937	0.700	0.4	25.0
	60 Anthracene	0.950	0.913	0.700	3.8	25.0
	61 Carbazole	0.796	0.795	0.010	0.2	100.0
	62 Di-n-butylphthalate	1.479	1.468	0.010	0.7	100.0
	64 Fluoranthene	1.009	0.975	0.600	3.3	25.0
	63 Benzidine	0.205	0.193	0.010	5.9	100.0
	65 Pyrene	0.934	1.003	0.600	7.4	25.0
$	66 Terphenyl-d14	0.650	0.719	0.500	10.7	25.0
	67 Butylbenzylphthalate	0.617	0.653	0.010	5.8	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.393	0.010	16.7	100.0
	71 Benzo(a)anthracene	0.880	1.030	0.800	17.0	25.0
	72 Chrysene	0.814	0.890	0.700	9.3	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.991	0.010	6.5	100.0
	73 Di-n-octylphthalate	1.805	1.675	0.010	7.2	100.0
	74 Benzo(b)fluoranthene	1.040	1.072	0.700	3.0	25.0
	75 Benzo(k)fluoranthene	0.994	0.986	0.700	0.8	25.0
	76 Benzo(a)pyrene	0.873	0.855	0.700	2.0	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.754	0.400	8.4	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	0.921	0.500	5.5	25.0
	80 Benzo(g,h,i)perylene	0.680	0.596	0.500	12.4	25.0


Y (x10^5)
Min
N-Nitrosodimethylamine (3.600)
-2-Fluorophenol (5.627)
-Isophorone (8.634)
-Hexachlorobutadiene (9.636)
-4-Chloro-3-methylphenol (10.309)
-2-Methylnaphthalene (10.453)
-1-Methylnapthalene (10.624)
-Hexachlorocyclopentadiene (10.811)
-2-Chloronaphthalene (11.233)
-2-Nitroaniline (11.484)
-Dimethylphthalate (11.806)
-Acenaphthene (12.214)
-2,4-Dinitrophenol (12.336)
-Dibenzofuran (12.465)
-2,4-Dinitrotoluene (12.572)
-Diethylphthalate (12.944)
-2,6-Dinitrotoluene (13.023)+
-2,4,6-Tribromophenol (13.460)
-4-Bromophenyl-phenylether (13.803)
-Hexachlorobenzene (14.054)
-Pentachlorophenol (14.369)
-Carbazole (14.935)
-Di-n-butylphthalate (15.565)
-Fluoranthene (16.517)
-Benzidine (16.753)
-Pyrene (16.882)
-Terphenyl-d14 (17.147)
-Butylbenzylphthalate (17.585)
-Di-n-octylphthalate (19.868)
-Benzo(b)fluoranthene (20.505)
-Benzo(k)fluoranthene (20.541)
-Benzo(a)pyrene (20.963)
-Dibenzo(a,h)anthracene (22.675)+
-Benzo(g,h,i)perylene (23.147)
Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
/chem/aux/mse.i/e1121a94.b/e2921.d

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2921.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 21-NOV-94 13:58
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : sstd50 11-21-94
Misc Info : calib check clp
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Cal File: e2921.d
Als bottle: 8
Continuing Calibration Sample
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.550	(0.482)	26981	46.4	23.2 (M)
	N-Nitrosodimethylamine	42.00	3.600	(0.489)	13351	40.0	20.0 (M)
$	3 2-Fluorophenol	112.00	5.627	(0.764)	28125	47.0	23.5
$	4 Phenol-d5	99.00	6.973	(0.947)	30311	42.6	21.3
	5 Phenol	94.00	6.994	(0.949)	33436	42.9	21.4
	6 bis(2-Chloroethyl)ether	93.00	7.037	(0.955)	29227	45.8	22.9
$	89 2-Chlorobenzene-D4	132.00	7.102	(0.000)	30956		(aM)
	7 2-Chlorophenol	128.00	7.130	(0.968)	31077	49.5	24.8
*	9 1,4-Dichlorobenzene-d4	152.00	7.367	(1.000)	22661	40.0	
$	88 1,2-Dichlorobenzene-D4	152.00	7.646	(0.000)	21219		(aM)
	8 1,3-Dichlorobenzene	146.00	7.309	(0.992)	33583	51.2	25.6
	10 1,4-Dichlorobenzene	146.00	7.388	(1.003)	34666	52.9	26.4
	12 1,2-Dichlorobenzene	146.00	7.667	(1.041)	32662	49.8	24.9
	13 2,2'-oxybis(1-Chloropropene)	45.00	7.839	(1.064)	24041	44.0	22.0
	15 N-Nitroso-di-n-propylamine	70.00	8.061	(1.094)	18317	38.0	19.0
	11 2-Methylphenol	108.00	7.846	(1.065)	25921	45.5	22.8
	14 4-Methylphenol	108.00	8.068	(1.095)	27483	48.3	24.1
	16 Hexachloroethane	117.00	8.126	(1.103)	16308	50.2	25.1
$	17 Nitrobenzene-d5	82.00	8.262	(0.886)	34263	45.9	22.9
	18 Nitrobenzene	77.00	8.283	(0.888)	32163	44.8	22.4
	19 Isophorone	82.00	8.641	(0.926)	61686	44.1	22.0
	21 2-Nitrophenol	139.00	8.777	(0.941)	19765	51.0	25.5
	20 2,4-Dimethylphenol	107.00	8.870	(0.951)	33126	46.6	23.3
	22 bis(2-Chloroethoxy)methane	93.00	8.992	(0.964)	34541	47.5	23.8
	23 2,4-Dichlorophenol	162.00	9.164	(0.982)	28698	49.8	24.9
	24 1,2,4-Trichlorobenzene	180.00	9.271	(0.994)	30115	50.7	25.4
*	Naphthalene-d8	136.00	9.328	(1.000)	82674	40.0	
	Naphthalene	128.00	9.364	(1.004)	84871	49.7	24.9
	27 4-Chloroaniline	127.00	9.500	(1.018)	34271	45.4	22.7

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	9.636	(1.033)	21373	51.8	25.9
	29 4-Chloro-3-methylphenol	107.00	10.309	(1.105)	30322	48.1	24.1
	30 2-Methylnaphthalene	142.00	10.453	(1.121)	59827	49.4	24.7
	31 1-Methylnapthalene	142.00	10.632	(1.140)	54922	53.3	26.6(A)
	32 Hexachlorocyclopentadiene	237.00	10.811	(0.000)	1715	13.1	6.56(aM)
	33 2,4,6-Trichlorophenol	196.00	10.975	(0.902)	20888	46.0	23.0
	34 2,4,5-Trichlorophenol	196.00	11.061	(0.909)	24449	50.2	25.1
$	35 2-Fluorobiphenyl	172.00	11.076	(0.911)	75893	49.7	24.9
	36 2-Chloronaphthalene	162.00	11.233	(0.923)	62929	48.6	24.3
	37 2-Nitroaniline	65.00	11.484	(0.944)	19485	37.6	18.8(a)
	38 Dimethylphthalate	163.00	11.806	(0.971)	85468	46.3	23.2
	40 Acenaphthylene	152.00	11.913	(0.979)	94175	43.3	21.6
	39 2,6-Dinitrotoluene	165.00	11.935	(0.981)	20257	47.2	23.6
	41 3-Nitroaniline	138.00	12.157	(0.999)	19796	46.4	23.2(a)
*	42 Acenaphthene-d10	164.00	12.164	(1.000)	59605	40.0	
	44 Acenaphthene	153.00	12.214	(1.004)	64687	48.4	24.2
	43 2,4-Dinitrophenol	184.00	12.336	(1.014)	6655	40.2	20.1(a)
	47 Dibenzofuran	168.00	12.465	(1.025)	91770	47.4	23.7
	45 4-Nitrophenol	109.00	12.522	(1.029)	12406	41.9	20.9(a)
	46 2,4-Dinitrotoluene	165.00	12.572	(1.034)	27300	46.6	23.3
	[illegible]Diethylphthalate	149.00	12.944	(1.064)	96500	47.2	23.6
	[illegible]-Chlorophenyl-phenylether	204.00	13.023	(1.071)	42653	53.6	26.8
	50 Fluorene	166.00	13.030	(1.071)	81918	51.6	25.8
	51 4-Nitroaniline	138.00	13.166	(1.082)	19019	46.9	23.4(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.238	(0.910)	13223	43.5	21.7(a)
	53 N-Nitrosodiphenylamine	169.00	13.245	(0.911)	50602	48.0	24.0
$	54 2,4,6-Tribromophenol	330.00	13.460	(1.107)	12009	43.4	21.7
	55 4-Bromophenyl-phenylether	248.00	13.803	(0.949)	20924	46.0	23.0
	56 Hexachlorobenzene	284.00	14.054	(0.967)	25695	47.6	23.8
	57 Pentachlorophenol	266.00	14.369	(0.988)	6364	42.2	21.1(a)
*	58 Phenanthrene-d10	188.00	14.541	(1.000)	92564	40.0	
	59 Phenanthrene	178.00	14.577	(1.002)	108384	50.2	25.1
	60 Anthracene	178.00	14.648	(1.007)	105669	48.1	24.0
	61 Carbazole	167.00	14.935	(1.027)	91959	49.9	25.0
	62 Di-n-butylphthalate	149.00	15.565	(1.070)	169798	49.6	24.8
	64 Fluoranthene	202.00	16.517	(1.136)	112831	48.3	24.2
	63 Benzidine	184.00	16.753	(0.888)	23036	47.0	23.5
	65 Pyrene	202.00	16.882	(0.895)	119556	53.7	26.8
$	66 Terphenyl-d14	244.00	17.147	(0.909)	85745	55.4	27.7
	67 Butylbenzylphthalate	149.00	17.985	(0.953)	77775	52.9	26.4
	69 3,3'-Dichlorobenzidine	252.00	18.830	(0.998)	46843	58.3	29.2
	71 Benzo(a)anthracene	228.00	18.837	(0.998)	122729	58.5	29.2
*	70 Chrysene-d12	240.00	18.873	(1.000)	95352	40.0	
	72 Chrysene	228.00	18.909	(1.002)	106078	54.6	27.3
	68 bis(2-Ethylhexyl)phthalate	149.00	18.930	(1.003)	118112	53.2	26.6
	73 Di-n-octylphthalate	149.00	19.868	(0.944)	189200	46.4	23.2
	[illegible]enzo(b)fluoranthene	252.00	20.505	(0.974)	121025	51.5	25.8
	[illegible]enzo(k)fluoranthene	252.00	20.541	(0.976)	111365	49.6	24.8
	76 Benzo(a)pyrene	252.00	20.971	(0.996)	96581	49.0	24.5

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 77 Perylene-d12	264.00	21.049	(1.000)	90348	40.0	
78 Dibenzo(a,h)anthracene	278.00	22.675	(1.077)	85169	45.8	22.9
79 Indeno(1,2,3-cd)pyrene	276.00	22.675	(1.077)	104037	47.2	23.6
80 Benzo(g,h,i)perylene	276.00	23.147	(1.100)	67262	43.8	21.9

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:50

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2943.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 07:20
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.964	0.010	6.0	100.0	
	1 N-Nitrosodimethylamine	0.590	0.467	0.010	20.9	100.0	
$	3 2-Fluorophenol	1.056	1.016	0.600	3.7	25.0	
$	4 Phenol-d5	1.255	1.140	0.800	9.2	25.0	
	5 Phenol	1.377	1.227	0.800	10.9	25.0	
	6 bis(2-Chloroethyl)ether	1.128	1.064	0.700	5.7	25.0	
$	89 2-Chlorobenzene-D4	++++	1.122	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.100	0.800	0.7	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.741	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.213	0.600	4.9	25.0	
	10 1,4-Dichlorobenzene	1.157	1.259	0.500	8.8	25.0	
	12 1,2-Dichlorobenzene	1.157	1.172	0.400	1.3	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.864	0.010	10.5	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.649	0.500	23.7	25.0	
	11 2-Methylphenol	1.005	0.930	0.700	7.4	25.0	
	14 4-Methylphenol	1.005	0.989	0.600	1.6	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.4	25.0	
$	17 Nitrobenzene-d5	0.361	0.330	0.200	8.7	25.0	
	18 Nitrobenzene	0.347	0.308	0.200	11.3	25.0	
	19 Isophorone	0.677	0.578	0.400	14.5	25.0	
	21 2-Nitrophenol	0.188	0.189	0.100	0.7	25.0	
	20 2,4-Dimethylphenol	0.344	0.306	0.200	11.0	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.338	0.300	3.9	25.0	
	23 2,4-Dichlorophenol	0.279	0.271	0.200	2.8	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.287	0.200	0.0	25.0	
	26 Naphthalene	0.825	0.812	0.700	1.6	25.0	
	27 4-Chloroaniline	0.365	0.324	0.010	11.2	100.0	
	28 Hexachlorobutadiene	0.200	0.198	0.010	0.8	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.283	0.200	7.0	25.0	
	30 2-Methylnaphthalene	0.586	0.578	0.400	1.3	25.0	
	31 1-Methylnapthalene	0.499	0.529	0.400	6.1	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.021	0.010	76.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.275	0.200	9.7	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.325	0.200	0.6	25.0	
$	35 2-Fluorobiphenyl	1.024	1.020	0.700	0.4	25.0	
	36 2-Chloronaphthalene	0.868	0.852	0.800	1.9	25.0	
	37 2-Nitroaniline	0.348	0.270	0.010	22.3	100.0	
	38 Dimethylphthalate	1.239	1.146	0.010	7.5	100.0	
	40 Acenaphthylene	1.460	1.279	1.300	12.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.277	0.200	3.8	25.0	

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:50

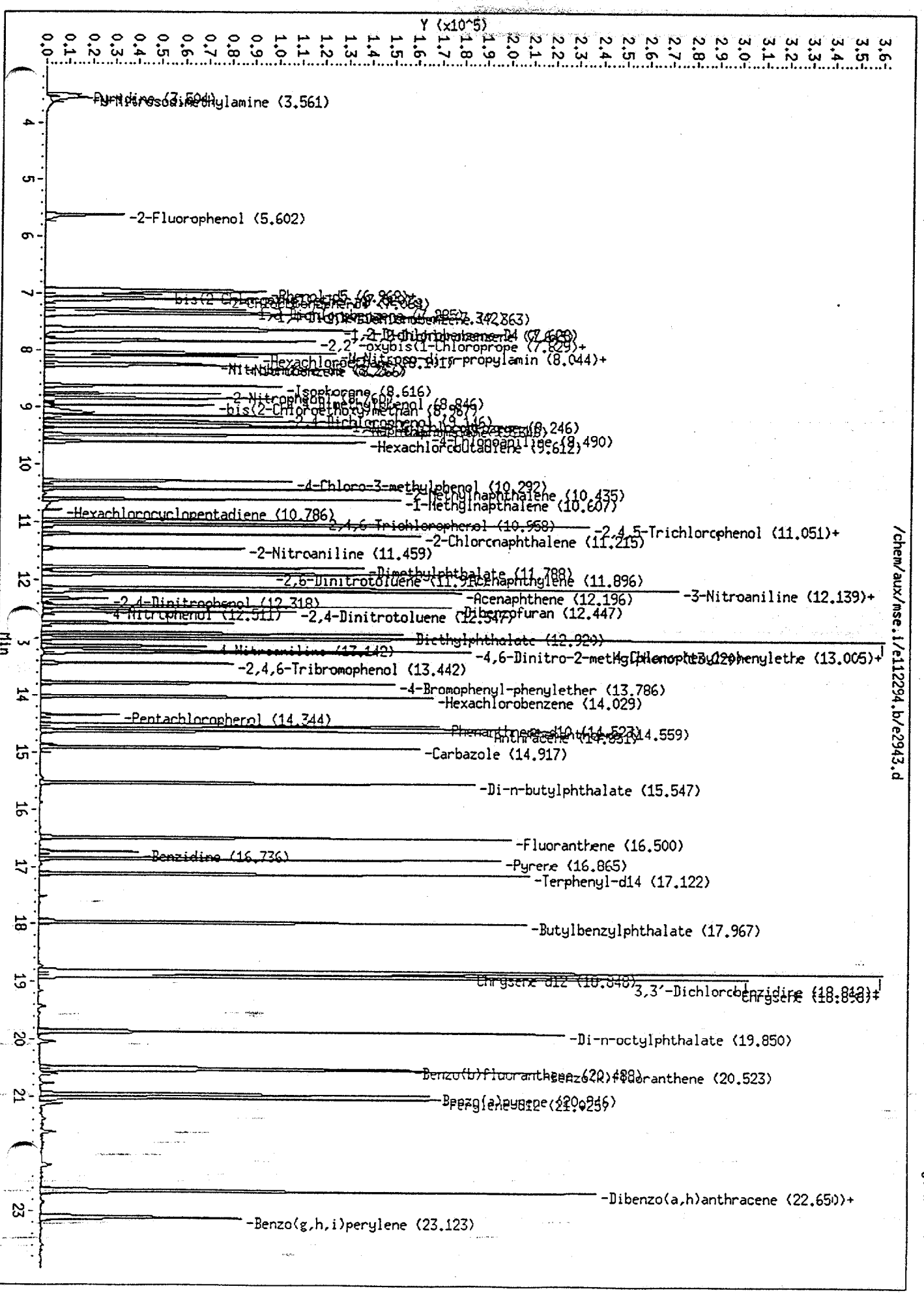
Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2943.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 07:20
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 3-Nitroaniline	0.286	0.269	0.010	5.8	100.0	
	44 Acenaphthene	0.897	0.872	0.800	2.7	25.0	
	43 2,4-Dinitrophenol	0.111	0.084	0.010	24.4	100.0	
	47 Dibenzofuran	1.298	1.224	0.800	5.7	25.0	
	45 4-Nitrophenol	0.199	0.155	0.010	21.9	100.0	
	46 2,4-Dinitrotoluene	0.393	0.370	0.200	5.8	25.0	
	48 Diethylphthalate	1.372	1.318	0.010	4.0	100.0	
	49 4-Chlorophenyl-phenylether	0.534	0.559	0.400	4.6	25.0	
	50 Fluorene	1.065	1.076	0.900	1.1	25.0	
	51 4-Nitroaniline	0.272	0.261	0.010	4.1	100.0	
	52 4,6-Dinitro-2-methylphenol	0.131	0.111	0.010	15.7	100.0	
	53 N-Nitrosodiphenylamine	0.455	0.420	0.010	7.7	100.0	
$	54 2,4,6-Tribromophenol	0.186	0.147	0.010	20.6	100.0	
	55 4-Bromophenyl-phenylether	0.196	0.174	0.100	11.4	25.0	
	56 Hexachlorobenzene	0.233	0.208	0.100	11.0	25.0	
	57 Pentachlorophenol	0.065	0.042	0.050	35.3	25.0	<-
	59 Phenanthrene	0.933	0.923	0.700	1.1	25.0	
	60 Anthracene	0.950	0.893	0.700	5.9	25.0	
	61 Carbazole	0.796	0.794	0.010	0.3	100.0	
	62 Di-n-butylphthalate	1.479	1.486	0.010	0.5	100.0	
	64 Fluoranthene	1.009	1.014	0.600	0.5	25.0	
	63 Benzidine	0.205	0.184	0.010	10.4	100.0	
	65 Pyrene	0.934	0.974	0.600	4.3	25.0	
$	66 Terphenyl-d14	0.650	0.674	0.500	3.8	25.0	
	67 Butylbenzylphthalate	0.617	0.661	0.010	7.2	100.0	
	69 3,3'-Dichlorobenzidine	0.337	0.407	0.010	20.8	100.0	
	71 Benzo(a)anthracene	0.880	1.052	0.800	19.5	25.0	
	72 Chrysene	0.814	0.885	0.700	8.7	25.0	
	68 bis(2-Ethylhexyl)phthalate	0.931	0.998	0.010	7.3	100.0	
	73 Di-n-octylphthalate	1.805	1.616	0.010	10.4	100.0	
	74 Benzo(b)fluoranthene	1.040	0.917	0.700	11.8	25.0	
	75 Benzo(k)fluoranthene	0.994	1.068	0.700	7.4	25.0	
	76 Benzo(a)pyrene	0.873	0.836	0.700	4.2	25.0	
	78 Dibenzo(a,h)anthracene	0.823	0.853	0.400	3.6	25.0	
	79 Indeno(1,2,3-cd)pyrene	0.975	1.044	0.500	7.1	25.0	
	80 Benzo(g,h,i)perylene	0.680	0.687	0.500	1.1	25.0	



Data File: /chem/aux/mse.i/e112294.b/e2943.d

/chem/aux/mse.i/e112294.b/e2943.d

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:48

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e112294.b/e2943.d
Lab. Id. :
Inj Date : 22-NOV-94 07:20
Operator : Tom
Smp Info : sstd50 11-22-94
Misc Info : calib check clp
Comment :
Method : /chem/aux/mse.i/e112294.b/bnaclpe.m
Meth Date : 22-Nov-1994 07:46
Cal Date : 22-NOV-94 07:20
Als bottle: 2
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: mse.i
Cal File: e2943.d
Continuing Calibration Sample
Target Version: Target 3.00
Compound Sublist: all.sub

		Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
		Pyridine	79.00	3.504	(0.477)	27272	47.0	23.5(M)
	1	N-Nitrosodimethylamine	42.00	3.561	(0.485)	13202	39.6	19.8(M)
$	3	2-Fluorophenol	112.00	5.602	(0.763)	28757	48.1	24.1
$	4	Phenol-d5	99.00	6.955	(0.947)	32243	45.4	22.7
	5	Phenol	94.00	6.970	(0.949)	34728	44.6	22.3
	6	bis(2-Chloroethyl)ether	93.00	7.020	(0.956)	30094	47.2	23.6
$	89	2-Chlorobenzene-D4	132.00	7.084	(0.000)	31732		(aM)
	7	2-Chlorophenol	128.00	7.106	(0.968)	31135	49.6	24.8
*	9	1,4-Dichlorobenzene-d4	152.00	7.342	(1.000)	22634	40.0	
$	88	1,2-Dichlorobenzene-D4	152.00	7.628	(0.000)	20970		(aM)
	8	1,3-Dichlorobenzene	146.00	7.285	(0.992)	34323	52.4	26.2
	10	1,4-Dichlorobenzene	146.00	7.363	(1.003)	35611	54.4	27.2
	12	1,2-Dichlorobenzene	146.00	7.650	(1.042)	33158	50.6	25.3
	13	2,2'-oxybis(1-Chloropropene)	45.00	7.814	(1.064)	24455	44.8	22.4
	15	N-Nitroso-di-n-propylamine	70.00	8.036	(1.095)	18375	38.2	19.1
	11	2-Methylphenol	108.00	7.829	(1.066)	26321	46.3	23.1
	14	4-Methylphenol	108.00	8.051	(1.097)	27968	49.2	24.6
	16	Hexachloroethane	117.00	8.101	(1.103)	16301	50.2	25.1
$	17	Nitrobenzene-d5	82.00	8.237	(0.885)	34417	45.6	22.8
	18	Nitrobenzene	77.00	8.266	(0.888)	32100	44.3	22.2
	19	Isophorone	82.00	8.616	(0.925)	60317	42.7	21.4
	21	2-Nitrophenol	139.00	8.760	(0.941)	19720	50.4	25.2
	20	2,4-Dimethylphenol	107.00	8.846	(0.950)	31895	44.5	22.2
	22	bis(2-Chloroethoxy)methane	93.00	8.967	(0.963)	35240	48.0	24.0
	23	2,4-Dichlorophenol	162.00	9.146	(0.982)	28248	48.6	24.3
		1,2,4-Trichlorobenzene	180.00	9.246	(0.993)	29963	50.0	25.0
*		Naphthalene-d8	136.00	9.311	(1.000)	83439	40.0	
	26	Naphthalene	128.00	9.340	(1.003)	84687	49.2	24.6
	27	4-Chloroaniline	127.00	9.483	(1.018)	33815	44.4	22.2

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:48

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	9.619	(1.033)	20664	49.6	24.8
	29 4-Chloro-3-methylphenol	107.00	10.292	(1.105)	29566	46.5	23.2
	30 2-Methylnaphthalene	142.00	10.435	(1.121)	60336	49.4	24.7
	31 1-Methylnapthalene	142.00	10.607	(1.139)	55165	53.0	26.5(A)
	32 Hexachlorocyclopentadiene	237.00	10.786	(0.000)	1522	12.0	6.01(aM)
	33 2,4,6-Trichlorophenol	196.00	10.958	(0.903)	19878	45.1	22.6
	34 2,4,5-Trichlorophenol	196.00	11.044	(0.910)	23469	49.7	24.9(a)
$	35 2-Fluorobiphenyl	172.00	11.058	(0.911)	73677	49.8	24.9
	36 2-Chloronaphthalene	162.00	11.215	(0.924)	61517	49.0	24.5
	37 2-Nitroaniline	65.00	11.459	(0.944)	19502	38.8	19.4(a)
	38 Dimethylphthalate	163.00	11.788	(0.971)	82792	46.3	23.1
	40 Acenaphthylene	152.00	11.896	(0.980)	92357	43.8	21.9
	39 2,6-Dinitrotoluene	165.00	11.917	(0.982)	20007	48.1	24.0
	41 3-Nitroaniline	138.00	12.139	(1.000)	19462	47.1	23.6(a)
*	42 Acenaphthene-d10	164.00	12.139	(1.000)	57776	40.0	
	44 Acenaphthene	153.00	12.196	(1.005)	62999	48.6	24.3
	43 2,4-Dinitrophenol	184.00	12.318	(1.015)	6068	37.8	18.9(a)
	47 Dibenzofuran	168.00	12.447	(1.025)	88387	47.2	23.6
	45 4-Nitrophenol	109.00	12.511	(1.031)	11206	39.0	19.5(a)
	46 2,4-Dinitrotoluene	165.00	12.547	(1.034)	26727	47.1	23.5
	Diethylphthalate	149.00	12.920	(1.064)	95150	48.0	24.0
	49 4-Chlorophenyl-phenylether	204.00	13.005	(1.071)	40381	52.3	26.2
	50 Fluorene	166.00	13.005	(1.071)	77720	50.5	25.3
	51 4-Nitroaniline	138.00	13.142	(1.083)	18851	48.0	24.0(a)
	52 4,6-Dinitro-2-methylphenol	198.00	13.220	(0.910)	12782	42.2	21.1(a)
	53 N-Nitrosodiphenylamine	169.00	13.227	(0.911)	48510	46.2	23.1
$	54 2,4,6-Tribromophenol	330.00	13.442	(1.107)	10644	39.7	19.8
	55 4-Bromophenyl-phenylether	248.00	13.786	(0.949)	20078	44.3	22.1
	56 Hexachlorobenzene	284.00	14.029	(0.966)	23973	44.5	22.2
	57 Pentachlorophenol	266.00	14.352	(0.988)	4865	32.3	16.2(a)
*	58 Phenanthrene-d10	188.00	14.523	(1.000)	92317	40.0	
	59 Phenanthrene	178.00	14.559	(1.002)	106545	49.5	24.7
	60 Anthracene	178.00	14.631	(1.007)	103088	47.0	23.5
	61 Carbazole	167.00	14.917	(1.027)	91634	49.8	24.9
	62 Di-n-butylphthalate	149.00	15.547	(1.070)	171475	50.2	25.1
	64 Fluoranthene	202.00	16.500	(1.136)	117032	50.3	25.1
	63 Benzidine	184.00	16.736	(0.888)	22969	44.8	22.4
	65 Pyrene	202.00	16.865	(0.895)	121581	52.1	26.1
$	66 Terphenyl-d14	244.00	17.130	(0.909)	84142	51.9	26.0
	67 Butylbenzylphthalate	149.00	17.967	(0.953)	82500	53.6	26.8
	69 3,3'-Dichlorobenzidine	252.00	18.812	(0.998)	50779	60.4	30.2
	71 Benzo(a)anthracene	228.00	18.819	(0.998)	131258	59.8	29.9
*	70 Chrysene-d12	240.00	18.848	(1.000)	99819	40.0	
	72 Chrysene	228.00	18.891	(1.002)	110483	54.4	27.2
	68 bis(2-Ethylhexyl)phthalate	149.00	18.913	(1.003)	124554	53.6	26.8
	i-n-octylphthalate	149.00	19.850	(0.944)	202894	44.8	22.4
	Benzo(b)fluoranthene	252.00	20.488	(0.974)	115192	44.1	22.0
	75 Benzo(k)fluoranthene	252.00	20.523	(0.976)	134046	53.7	26.8
	76 Benzo(a)pyrene	252.00	20.953	(0.997)	104962	47.9	23.9

Data File: ./chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:48

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 77 Perylene-d12	264.00	21.025	(1.000)	100442	40.0	
78 Dibenzo(a,h)anthracene	278.00	22.650	(1.077)	107067	51.8	25.9
79 Indeno(1,2,3-cd)pyrene	276.00	22.657	(1.078)	131139	53.5	26.8
80 Benzo(g,h,i)perylene	276.00	23.123	(1.100)	86288	50.6	25.3

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~156290~~ 15726N SAS No.: N/A SDG No.: ~~A0155-1~~ CLJDW5075

Lab File ID (Standard): B4987 Date Analyzed: 11/18/94

Instrument ID: MSB_I Time Analyzed: 12:07

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	1936720	7.41	6883915	9.51	4195023	12.97
	UPPER LIMIT	3873440	7.91	13767830	10.01	8390046	13.47
	LOWER LIMIT	968360	6.91	3441957	9.01	2097511	12.47
	EPA SAMPLE NO.						
01	SBLK01	2446922	7.40	8123049	9.50	4930346	12.96
02	SSPK01	2113394	7.41	7780420	9.51	4963373	12.97
03	A0155-79MS	2064409	7.40	7757896	9.51	5051648	12.97
04	A0155-79MSD	2219915	7.40	8378639	9.51	5337205	12.97
05	A0155-51	2338133	7.40	8134682	9.50	4792381	12.96
06	A0155-52	2436532	7.40	8132676	9.50	4888333	12.96
07	A0155-53	2321981	7.40	7740845	9.50	4736726	12.95
08	A0155-54	2334059	7.40	7820296	9.50	4673479	12.95
09	A0155-56	2459283	7.40	8112779	9.50	4917154	12.95
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15620N~~ 15796N SAS No.: N/A SDG No.: ~~A0455-1~~ CJJDWS075

Lab File ID (Standard): B4987 Date Analyzed: 11/13/94

Instrument ID: MS8.I Time Analyzed: 12:07

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	7301725		16.10		6042920		21.84		5056479		24.73	
	UPPER LIMIT	14603450		16.60		12085840		22.34		10112958		25.23	
	LOWER LIMIT	3650862		15.60		3021460		21.34		2528239		24.23	
	EPA SAMPLE NO.												
01	SBLK01	8637139		16.10		8169322		21.83		7005794		24.72	
02	SSPK01	9026915		16.11		6863622		21.85		6133259		24.72	
03	A0155-79MS	8993964		16.11		4564101		21.85		3359404		24.73	
04	A0155-79MSD	9543279		16.11		6403410		21.85		3317193		24.72	
05	A0155-51	8389469		16.10		6345163		21.82		4504284		24.70	
06	A0155-52	8179818		16.09		5578611		21.83		3435105		24.70	
07	A0155-53	8010482		16.09		5988829		21.82		3760754		24.71	
08	A0155-54	7861338		16.09		5490335		21.82		3015632		24.70	
09	A0155-56	8156400		16.09		6317783		21.82		3893458		24.70	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

88

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~IS629N~~ IS226N SAS No.: N/A SDG No.: ~~ADISS-1~~ CLJDWS075

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: MSE-F Time Analyzed: 07:52

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22532	7.35	80833	9.32	58163	12.15
	UPPER LIMIT	45064	7.85	161666	9.82	116326	12.65
	LOWER LIMIT	11266	6.85	40416	8.82	29081	11.65
	EPA SAMPLE NO.						
01	A0155-42	35242	7.36	134555	9.32	97423	12.15
02	CLJDWS151	24582	7.35	89711	9.31	58240	12.14
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15286V SAS No.: N/A SDG No.: CLJDWS075

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: HP5E.E Time Analyzed: 07:52

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	91471	14.53	99763	18.85	94440	21.03
UPPER LIMIT	182942	15.03	199526	19.35	188880	21.53
LOWER LIMIT	45735	14.03	49881	18.35	47220	20.53
EPA SAMPLE NO.						
01 A0SS-42	151251	14.52	49273 *	18.85	13858 *	21.02
02 CLJDWS151	82339	14.52	20576 *	18.84	6936 *	21.01
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC. Contract: NEESA

Lab Code: N/A Case No.: ~~IS6244~~ IS-226N SAS No.: N/A SDG No.: ~~A0155-1~~ CLJD005075

Lab File ID (Standard): E2893 Date Analyzed: 11/20/94

Instrument ID: MSE_E Time Analyzed: 11:40

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22085	7.35	78107	9.31	57201	12.14
	UPPER LIMIT	44170	7.85	156214	9.81	114402	12.64
	LOWER LIMIT	11042	6.85	39053	8.81	28600	11.64
	EPA SAMPLE NO.						
01	A0155-79	37101	7.34	136512	9.31	98486	12.15
02	A0155-19	33492	7.34	124628	9.31	91505	12.14
03	A0155-41	29813	7.35	109734	9.31	79128	12.14
04	A0155-43	32860	7.35	120137	9.31	86016	12.14
05	A0155-44	36095	7.35	129755	9.31	93358	12.15
06	A0155-45	40013	7.35	145057	9.31	102902	12.15
07	A0155-46	39133	7.35	143894	9.32	103751	12.14
08	A0155-80	35534	7.35	127380	9.31	91230	12.14
09	CLJDW5151	26699	7.35	94069	9.31	63349	12.14
10	A0155-49	35758	7.35	129758	9.32	93494	12.14
11	A0155-50	35000	7.35	128221	9.32	89196	12.14
12	A0155-77	36795	7.35	134028	9.32	93438	12.15
13	A0155-78	39466	7.35	142635	9.32	100969	12.15
14	A0155-42	32780	7.35	118633	9.32	90614	12.15
15	A0155-47	23037	7.35	85229	9.32	59197	12.14
16	A0155-47	23829	7.35	~~9845~~ 85485	9.32	59365	12.15
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15629N~~ 15296N SAS No.: N/A SDG No.: ~~A0155-1~~ CLJDW5075

Lab File ID (Standard): E2893 Date Analyzed: 11/20/94

Instrument ID: MSE.E Time Analyzed: 11:40

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	88556		14.52		95302		18.85		90706		21.02	
	UPPER LIMIT	177112		15.02		190604		19.35		181412		21.52	
	LOWER LIMIT	44278		14.02		47651		18.35		45353		20.52	
	EPA SAMPLE NO.												
01	A0155-79	103247		14.52		149740		18.85		113954		21.03	
02	A0155-19	151684		14.52		156796		18.86		101758		21.05	
03	A0155-41	133600		14.52		118324		18.85		80442		21.02	
04	A0155-43	142401		14.52		127682		18.85		85025		21.02	
05	A0155-44	154216		14.52		136279		18.85		87530		21.02	
06	A0155-45	174642		14.52		148075		18.85		87708		21.02	
07	A0155-46	170887		14.52		150235		18.85		93905		21.02	
08	A0155-80	153248		14.52		136462		18.84		92706		21.03	
09	CLIDW5157	98404		14.52		58053		18.84		17478	*	21.02	
10	A0155-49	156232		14.53		131375		18.85		74832		21.03	
11	A0155-50	150951		14.53		120695		18.85		62787		21.03	
12	A0155-77	157286		14.53		137969		18.86		65423		21.04	
13	A0155-78	169802		14.53		141406		18.87		50761		21.05	
14	A0155-42	156023		14.53		97502		18.87		30884		21.03	
15	A0155-47	94096		14.53		59754		18.86		18767		21.03	
16	A0155-47	95431		14.53		48869		18.86		12713		21.04	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226.N SAS No.: N/A SDG No.: CLJDWS075

Lab File ID (Standard): E2921 Date Analyzed: 11/21/94

Instrument ID: MSE_I Time Analyzed: 13:58

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	224661	7.37	826744	9.33	596055	12.16
	UPPER LIMIT	449322	7.87	1653488	9.83	1192110	12.66
	LOWER LIMIT	112330	6.87	413372	8.83	298027	11.66
	EPA SAMPLE NO.						
01	SBLK01	29987	7.36	106357	9.32	78428	12.15
02	CLJDWS075	23354	7.35	83717	9.32	60463	12.14
03	CLJDWS075MS	24677	7.35	94838	9.31	64439	12.14
04	CLJDWS075MSD	26105	7.35	96429	9.31	67487	12.14
05	SBLK01	24805	7.36	103169	9.32	80505	12.16
06	SBLK01	26169	7.37	106806	9.34	86604	1216
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
*-Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075

Lab File ID (Standard): E2921 Date Analyzed: 11/21/94

Instrument ID: MSE.I Time Analyzed: 13:58

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	92564		14.54		95352		18.87		90348		21.05	
	UPPER LIMIT	185128		15.04		190704		19.37		180696		21.55	
	LOWER LIMIT	46282		14.04		47676		18.37		45174		20.55	
	EPA SAMPLE NO.												
01	SBLK01	149287		14.52		135906		18.85		135903		21.03	
02	CLJDWS075	100670		14.52		110725		18.87		83110		21.04	
03	CLJDWS075MS	108232		14.53		116932		18.87		85774		21.04	
04	CLJDWS075MSD	114124		14.53		120064		18.87		85287		21.04	
05	SBLK01	140274		14.54		136571		18.87		133919		21.04	
06	SSPK01	130900		14.55		147303		18.88		127214		21.04	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15224N SAS No.: N/A SDG No.: CLJDW5075

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.E Time Analyzed: 07:20

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22634	7.34	83439	9.31	57776	12.14
	UPPER LIMIT	45268	7.54	166878	9.81	115552	12.64
	LOWER LIMIT	11317	6.84	41719	8.31	28888	11.64
	EPA SAMPLE NO.						
01	SSPK01	32747	7.35	119665	9.32	94304	12.15
02	CLJDW5075	30605	7.34	115829	9.30	84328	12.14
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page __ of __

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CWJDW5075

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.E Time Analyzed: 07:20

	IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
12 HOUR STD	92317		14.52		99819		18.85		100442		21.02	
UPPER LIMIT	184634		15:02		199638		19.35		200884		21.52	
LOWER LIMIT	46158		14:02		49909		18.35		50221		20.52	
EPA SAMPLE NO.												
01 SSPK01	145800		14.53		164533		18.87		145582		21.04	
02 CWJDW5075	167804		14.53		132257		18.85		142564		21.03	
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

00415
EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4C41685C

Sample wt/vol: 2.00 (g/mL) G Lab File ID: E2929

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	25000	U
111-44-4	bis(2-Chloroethyl)ether	25000	U
95-57-8	2-Chlorophenol	25000	U
541-73-1	1,3-Dichlorobenzene	25000	U
106-46-7	1,4-Dichlorobenzene	25000	U
95-50-1	1,2-Dichlorobenzene	25000	U
95-48-7	2-Methylphenol	25000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	25000	U
106-44-5	4-Methylphenol	25000	U
621-64-7	N-Nitroso-di-n-propylamine	25000	U
67-72-1	Hexachloroethane	25000	U
98-95-3	Nitrobenzene	25000	U
78-59-1	Isophorone	25000	U
88-75-5	2-Nitrophenol	25000	U
105-67-9	2,4-Dimethylphenol	25000	U
111-91-1	bis(2-Chloroethoxy)methane	25000	U
120-83-2	2,4-Dichlorophenol	25000	U
120-82-1	1,2,4-Trichlorobenzene	25000	U
91-20-3	Naphthalene	25000	U
106-47-8	4-Chloroaniline	25000	U
87-68-3	Hexachlorobutadiene	25000	U
59-50-7	4-Chloro-3-methylphenol	25000	U
91-57-6	2-Methylnaphthalene	25000	U
77-47-4	Hexachlorocyclopentadiene	25000	U
88-06-2	2,4,6-Trichlorophenol	25000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
91-58-7	2-Chloronaphthalene	25000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	25000	U
208-96-8	Acenaphthylene	25000	U
606-20-2	2,6-Dinitrotoluene	25000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	25000	U

00416
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15220N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4C41685C

Sample wt/vol: 2.00 (g/mL) G Lab File ID: E2929

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	130000	U
100-02-7	4-Nitrophenol	130000	U
132-64-9	Dibenzofuran	25000	U
121-14-2	2,4-Dinitrotoluene	25000	U
84-66-2	Diethylphthalate	25000	U
7005-72-3	4-Chlorophenyl-phenylether	25000	U
86-73-7	Fluorene	25000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	63000	U
101-55-3	4-Bromophenyl-phenylether	25000	U
86-30-6	N-Nitrosodiphenylamine (1)	25000	U
118-74-1	Hexachlorobenzene	25000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	25000	U
120-12-7	Anthracene	25000	U
86-74-8	Carbazole	25000	U
84-74-2	Di-n-butylphthalate	25000	U
206-44-0	Fluoranthene	25000	U
129-00-0	Pyrene	25000	U
85-68-2	Butylbenzylphthalate	25000	U
91-94-1	3,3'-Dichlorobenzidine	25000	U
56-55-3	Benzo(a)anthracene	25000	U
218-01-9	Chrysene	25000	U
117-81-7	bis(2-Ethylhexyl)phthalate	25000	U
117-84-0	Di-n-octylphthalate	25000	U
205-99-2	Benzo(b)fluoranthene	25000	U
207-08-9	Benzo(k)fluoranthene	25000	U
50-32-8	Benzo(a)pyrene	25000	U
193-39-5	Indeno(1,2,3-cd)pyrene	25000	U
53-70-3	Dibenz(a,h)anthracene	25000	U
191-24-2	Benzo(g,h,i)perylene	25000	U

(1) - Cannot be separated from Diphenylamine

00417

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N4C41685C

Sample wt/vol: 2.00 (g/mL) G Lab File ID: E2929

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

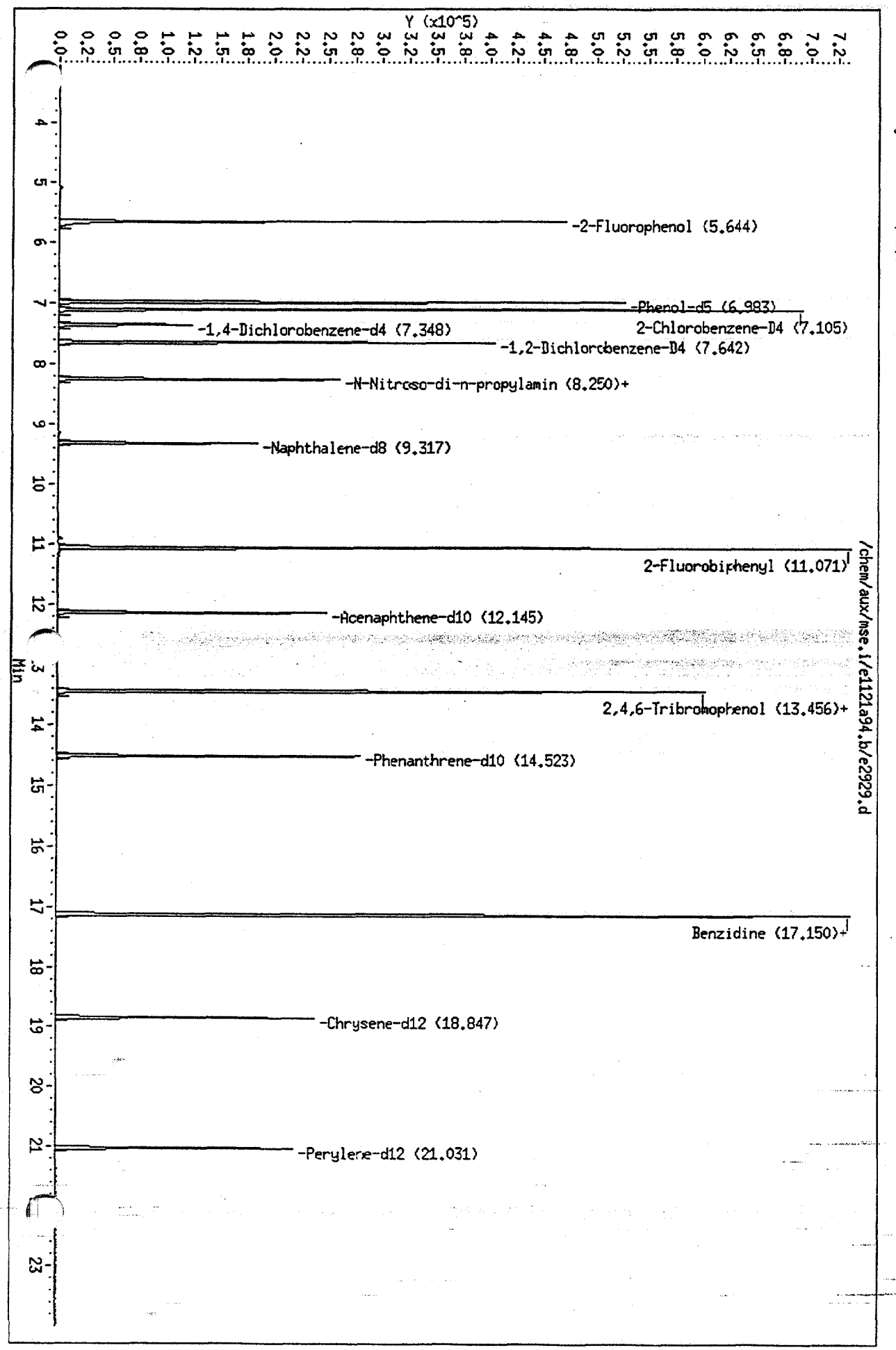
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q



Data File: /chem/aux/mse.i/e1121a94.b/e2929.d
Date : 21-NOV-94 19:19
Instrument : mse.i
Sample ID : sblk01
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25

Data File: /chem/aux/mse.i/e1121a94.b/e2929.d
Report Date: 22-Nov-1994 07:12

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2929.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 21-NOV-94 19:19
Autotune Date: (
Operator : Tom
Inst ID: mse.i
Smp Info : method blank
Misc Info : n4c41685c,n4c41685,m1,2,1
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Cal File: e2921.d
Als bottle: 16
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

TBC 11-22-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$	2-Fluorophenol	112.00	5.644	(0.768)	146692	197	98.5(A) ✓
$ 4	Phenol-d5	99.00	6.983	(0.950)	188195	234	117(AR) ✓
$ 89	2-Chlorobenzene-D4	132.00	7.105	(0.967)	185787	227	113(AQR) ✓
* 9	1,4-Dichlorobenzene-d4	152.00	7.355	(1.000)	29987	40.0	
$ 88	1,2-Dichlorobenzene-D4	152.00	7.642	(1.040)	74693	133	66.5(AQR) ✓
15	N-Nitroso-di-n-propylamine	70.00	8.250	(1.123)	18294	37.7	~~18.9(TQ)~~
$ 17	Nitrobenzene-d5	82.00	8.250	(0.885)	107988	122	61.2(R) ✓
* 25	Naphthalene-d8	136.00	9.317	(1.000)	106357	40.0	
$ 35	2-Fluorobiphenyl	172.00	11.071	(0.912)	273880	137	68.6(R) ✓
* 42	Acenaphthene-d10	164.00	12.145	(1.000)	78428	40.0	
$ 54	2,4,6-Tribromophenol	330.00	13.456	(1.108)	84791	268	134(AR) ✓
55	4-Bromophenyl-phenylether	248.00	13.456	(0.927)	5542	8.74	~~4.37(TaQ)~~
* 58	Phenanthrene-d10	188.00	14.523	(1.000)	140287	40.0	
63	Benzidine	184.00	17.150	(0.910)	8926	13.6	~~6.80(TaQ)~~
$ 66	Terphenyl-d14	244.00	17.150	(0.910)	333104	136	68.1 ✓
* 70	Chrysene-d12	240.00	18.854	(1.000)	135906	40.0	
* 77	Perylene-d12	264.00	21.031	(1.000)	135903	40.0	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

00420

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226/V SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) WATER Lab Sample ID: N1C41682C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2922

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

00421
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLSDW5075

Matrix: (soil/water) WATER Lab Sample ID: N1C41682C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2922

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
101-55-3	4-Bromophenyl-phenylether	10	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-2	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

00422

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226V SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) WATER Lab Sample ID: N1C41682C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2922

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

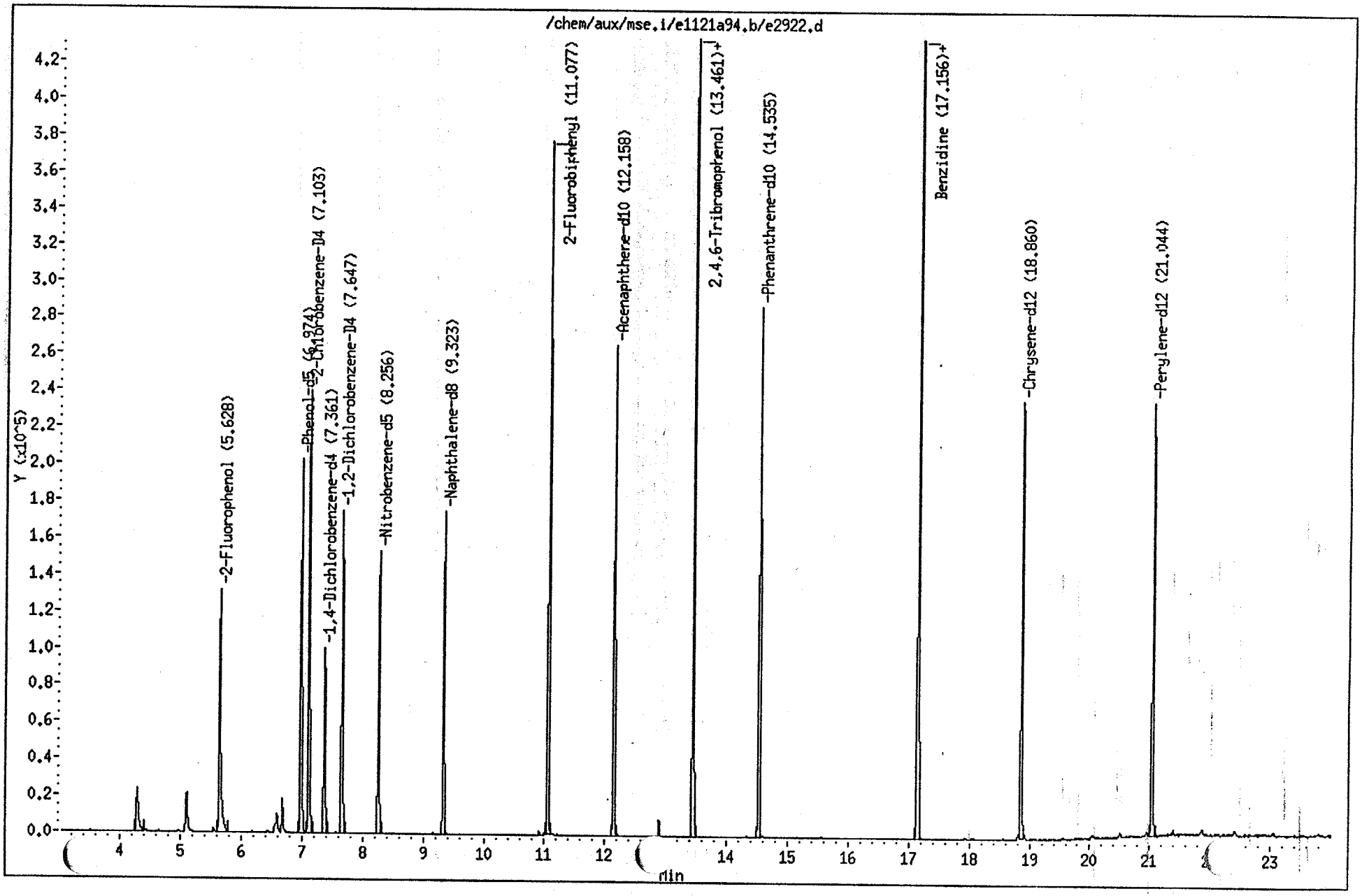
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 628-63-7	Acetic acid, pentyl ester	4.28	7	JN

Data File: /chem/aux/mse.i/e1121a94.b/e2922.d
Date : 21-NOV-94 15:18
Instrument : mse.i
Sample ID : sblk01
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0



Data File: /chem/aux/mse.i/e1121a94.b/e2922.d
Report Date: 22-Nov-1994 07:10

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2922.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 21-NOV-94 15:18
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : method blank
Misc Info : n1c41682c,n1c41682,m1,2,1
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Cal File: e2921.d
Als bottle: 9
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

RC 11-22-94

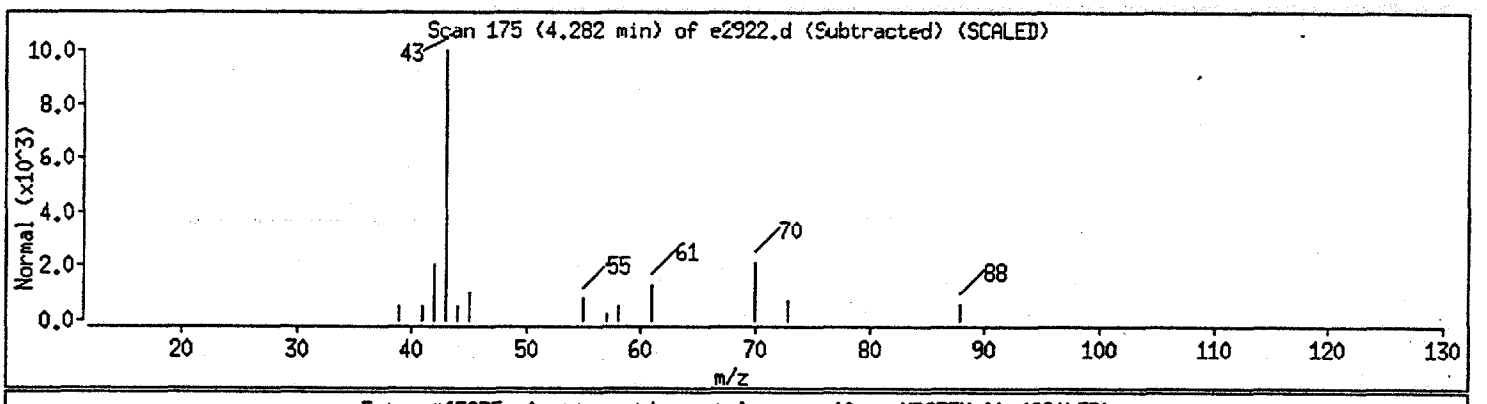
		Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$		2-Fluorophenol	112.00	5.628	(0.765)	78353	127	63.6 ✓
$	4	Phenol-d5	99.00	6.974	(0.947)	92019	139	69.3 ✓
$	89	2-Chlorobenzene-D4	132.00	7.103	(0.965)	91858	136	67.8 (AQ) ✓
*	9	1,4-Dichlorobenzene-d4	152.00	7.361	(1.000)	24805	40.0	
$	88	1,2-Dichlorobenzene-D4	152.00	7.647	(1.039)	37581	80.9	40.4 (AQ) ✓
$	17	Nitrobenzene-d5	82.00	8.256	(0.886)	63909	74.7	37.4 ✓
*	25	Naphthalene-d8	136.00	9.323	(1.000)	103169	40.0	
$	35	2-Fluorobiphenyl	172.00	11.077	(0.911)	151950	74.1	37.0 ✓
*	42	Acenaphthene-d10	164.00	12.158	(1.000)	80508	40.0	
$	54	2,4,6-Tribromophenol	330.00	13.461	(1.107)	61369	189	94.6 (A) ✓
	55	4-Bromophenyl-phenylether	248.00	13.461	(0.926)	3495	5.51	~~2.76 (TaQ)~~
*	58	Phenanthrene-d10	188.00	14.535	(1.000)	140274	40.0	
	63	Benzidine	184.00	17.156	(0.909)	7310	11.1	~~5.54 (TaQ)~~
$	66	Terphenyl-d14	244.00	17.156	(0.909)	263016	107	53.5 ✓
*	70	Chrysene-d12	240.00	18.867	(1.000)	136571	40.0	
*	77	Perylene-d12	264.00	21.044	(1.000)	138919	40.0	

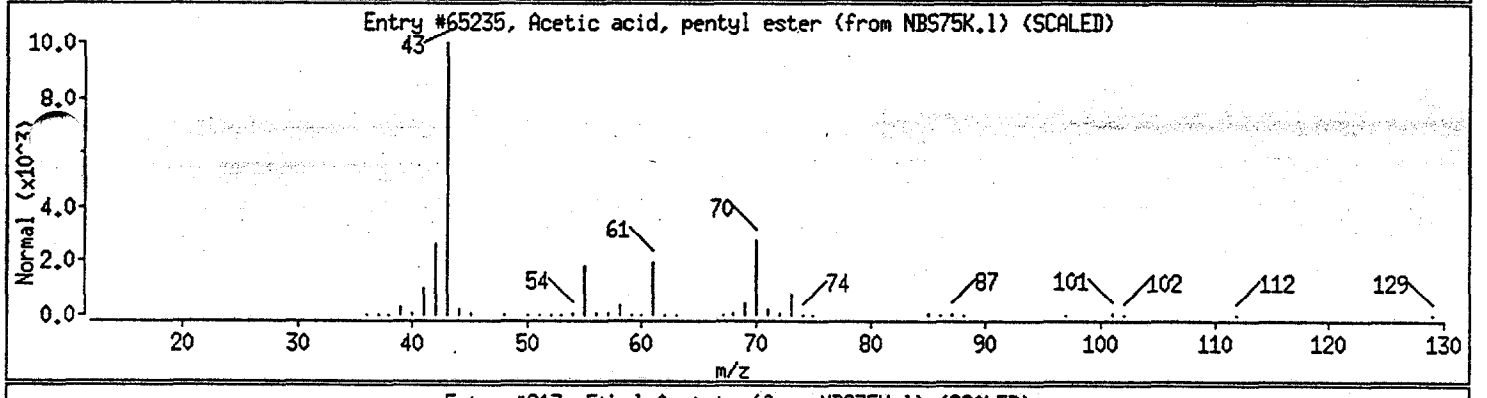
QC Flag Legend

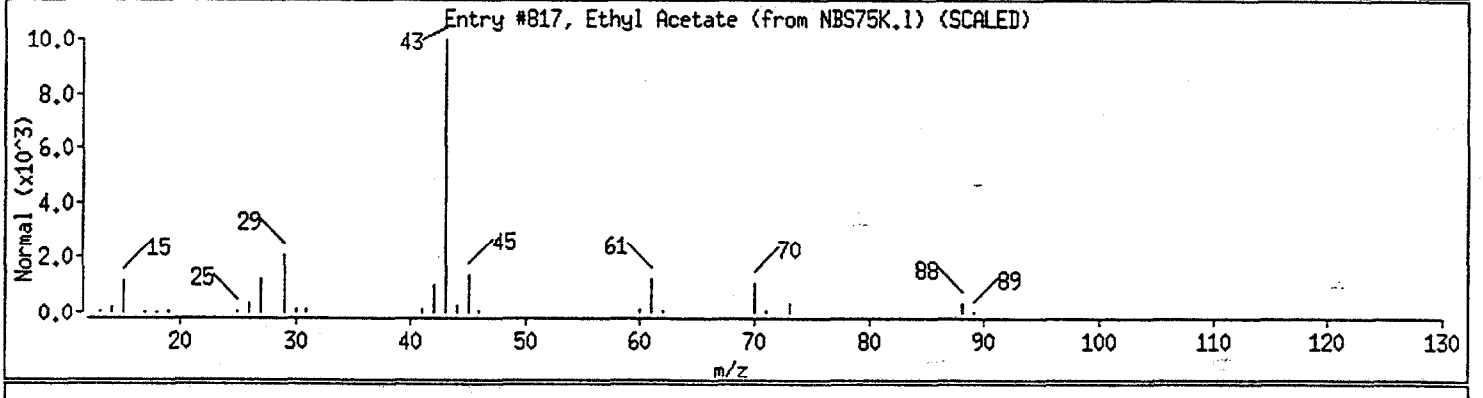
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/mse.i/e1121a94.b/e2922.d
Date : 21-NOV-94 15:18
Instrument : mse.i
Sample ID : sblk01
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Acetic acid, pentyl ester	628-63-7	NBS75K.1	65235	56
Ethyl Acetate	141-78-6	NBS75K.1	817	52







00426

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15226N SAS No.: _____ SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2C41672C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4988

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	330	U

00427

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NPESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2C41672C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4988

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
101-55-3	4-Bromophenyl-phenylether	330	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-2	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

00428

EPA SAMPLE NO.

SBLK01

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NPESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJD05075 ~~A01SS-1~~

Matrix: (soil/water) SOIL Lab Sample ID: N2C41672C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4988

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

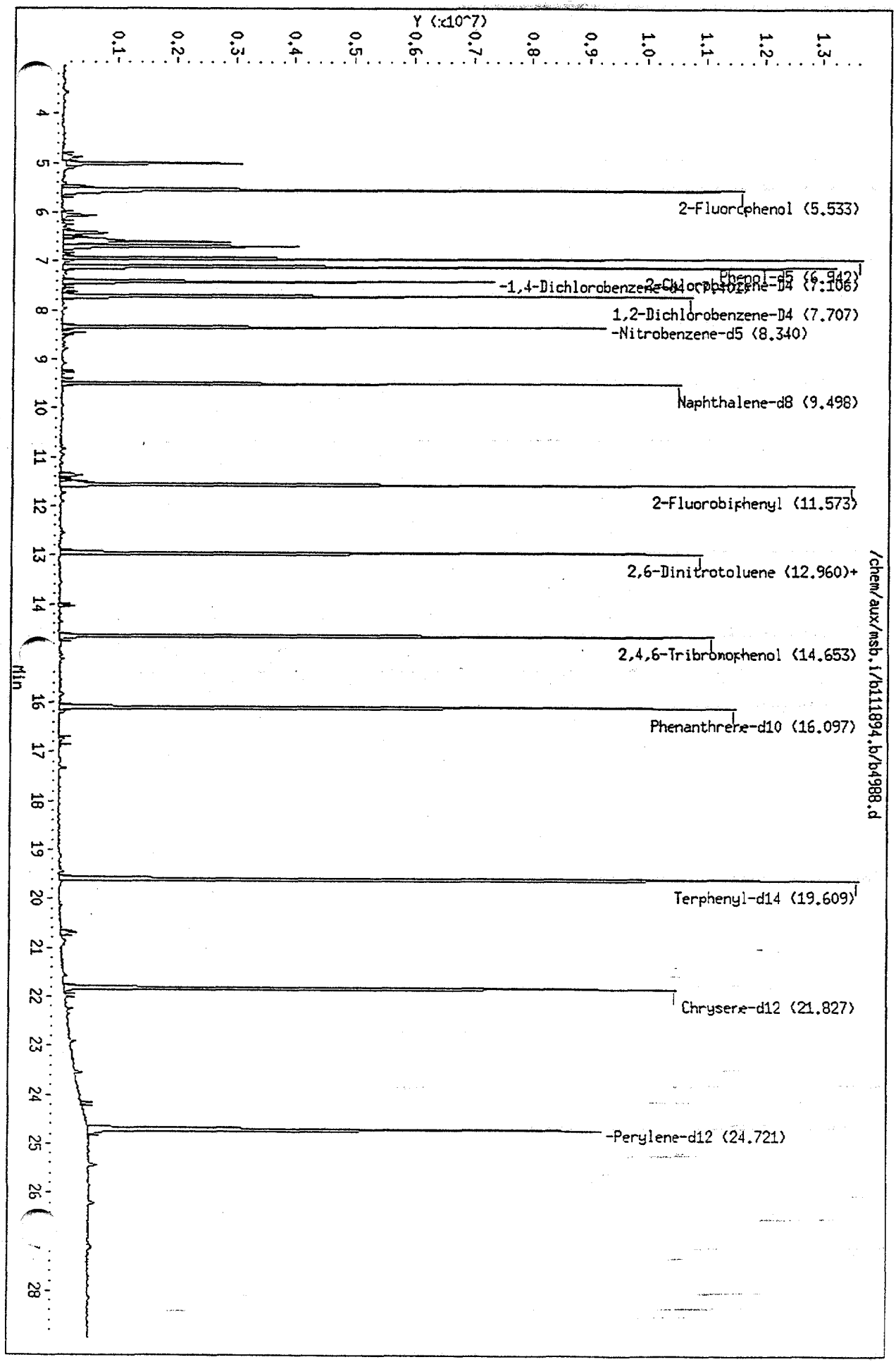
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-Pentanone, 4-hydroxy-4-met	5.00	290	JNA
2.		Unk hydrocarbon	6.42	100	J
3.	96-19-5	1-Propene, 1,2,3-trichloro-	6.55	97	JN
4.		Unk hydrocarbon	6.59	310	J
5.		Unk hydrocarbon	6.68	430	J

00429


Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5
Volume Injected (uL) : 2.0
Column diameter : 0.25
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
4
5
6
7
8
9
10
11
12
13
14
16
17
18
19
20
21
22
23
24
25
26
28
min
2-Fluorophenol (5.533)
Phenol-d5 (6.942)
-1,4-Dichlorobenzene-d4 (7.106)
1,2-Dichlorobenzene-D4 (7.707)
-Nitrobenzene-d5 (8.340)
Naphthalene-d8 (9.498)
2-Fluorobiphenyl (11.573)
2,6-Dinitrotoluene (12.960)+
2,4,6-Tribromophenol (14.653)
Phenanthrene-d10 (16.097)
Terphenyl-d14 (19.609)
Chrysene-d12 (21.827)
-Perylene-d12 (24.721)
/chem/aux/msb.i/b111894.b/b4988.d

Data File: /chem/aux/msb.i/b111894.b/b4988.d
Report Date: 20-Nov-1994 11:16

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b111894.b/b4988.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-NOV-94 12:52
Autotune Date: (
Operator : Tom
Inst ID: msb.i
Smp Info : method blank
Misc Info : n2c41672c,n2c41672,m1,2,1
Comment :
Method : /chem/aux/msb.i/b111894.b/bnaclpa.m
Meth Date : 18-Nov-1994 12:43
Cal Date : 18-NOV-94 12:07
Cal File: b4987.d
Als bottle: 3
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

11-23

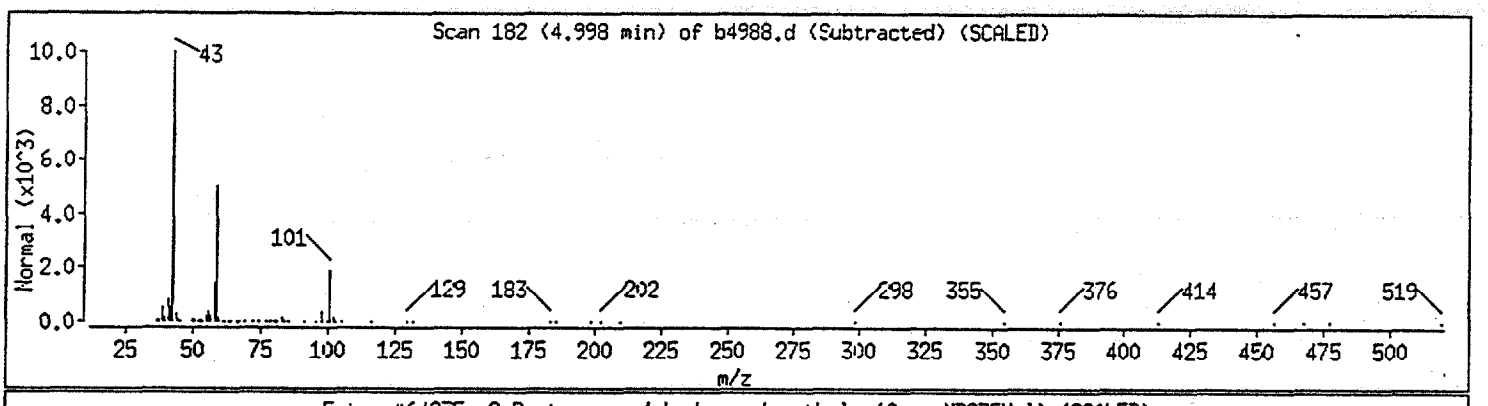
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$	2-Fluorophenol	112.00	5.533	(0.748)	6629010	104	52.1
$	Phenol-d5	99.00	6.942	(0.938)	8468000	105	52.7
$	7 2-Chlorobenzene-D4	132.00	7.106	(0.960)	6888330	101	50.6(AR)
*	10 1,4-Dichlorobenzene-d4	152.00	7.401	(1.000)	2446922	40.0	
$	12 1,2-Dichlorobenzene-D4	152.00	7.707	(1.041)	3277749	71.0	35.5(AR)
$	19 Nitrobenzene-d5	82.00	8.340	(0.878)	4968271	74.1	37.0
*	27 Naphthalene-d8	136.00	9.498	(1.000)	8123049	40.0	
$	37 2-Fluorobiphenyl	172.00	11.573	(0.893)	8956702	69.5	34.8
	41 2,6-Dinitrotoluene	165.00	12.960	(1.000)	693926	17.0	~~8.52(aQ)~~
*	44 Acenaphthene-d10	164.00	12.960	(1.000)	4930346	40.0	
$	56 2,4,6-Tribromophenol	330.00	14.664	(1.131)	2801219	119	59.4
*	60 Phenanthrene-d10	188.00	16.097	(1.000)	8637139	40.0	
$	68 Terphenyl-d14	244.00	19.598	(0.898)	10417823	60.4	30.2
*	71 Chrysene-d12	240.00	21.827	(1.000)	8169322	40.0	
*	79 Perylene-d12	264.00	24.721	(1.000)	7005794	40.0	

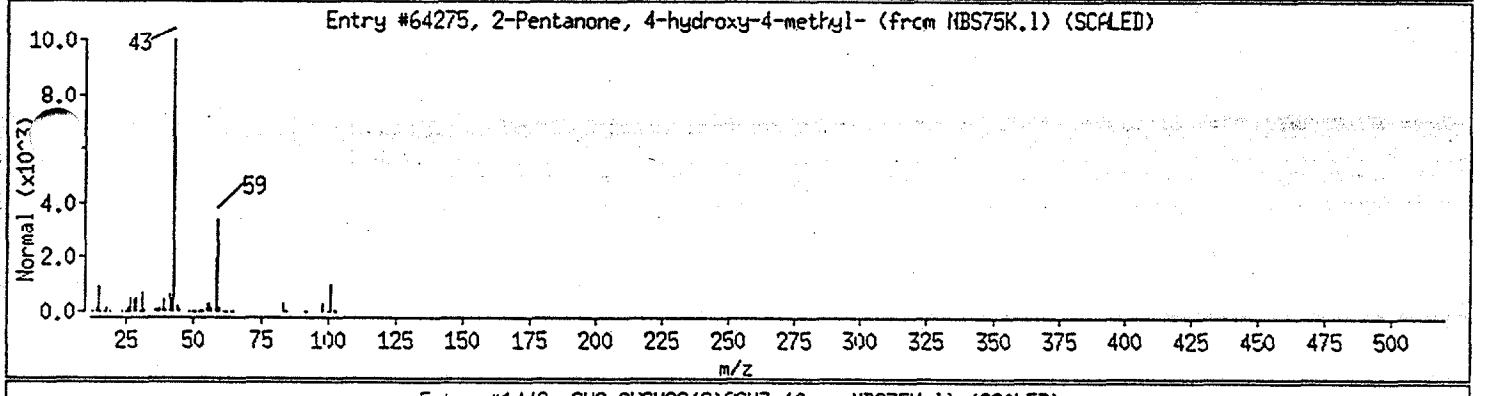
QC Flag Legend

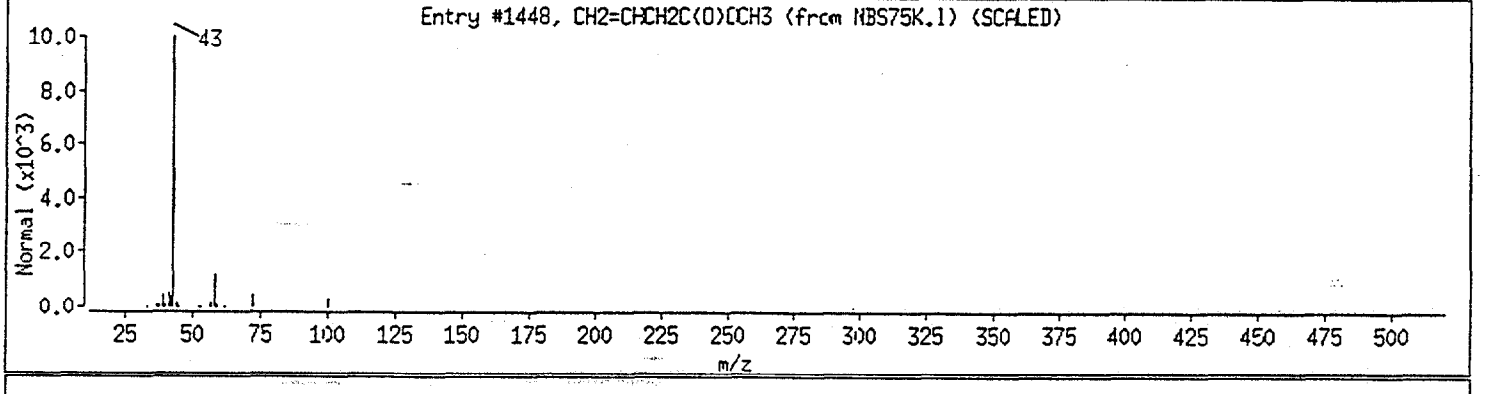
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	64
CH2=CHCH2C(O)OCH3	3724-55-8	NBS75K.1	1448	12

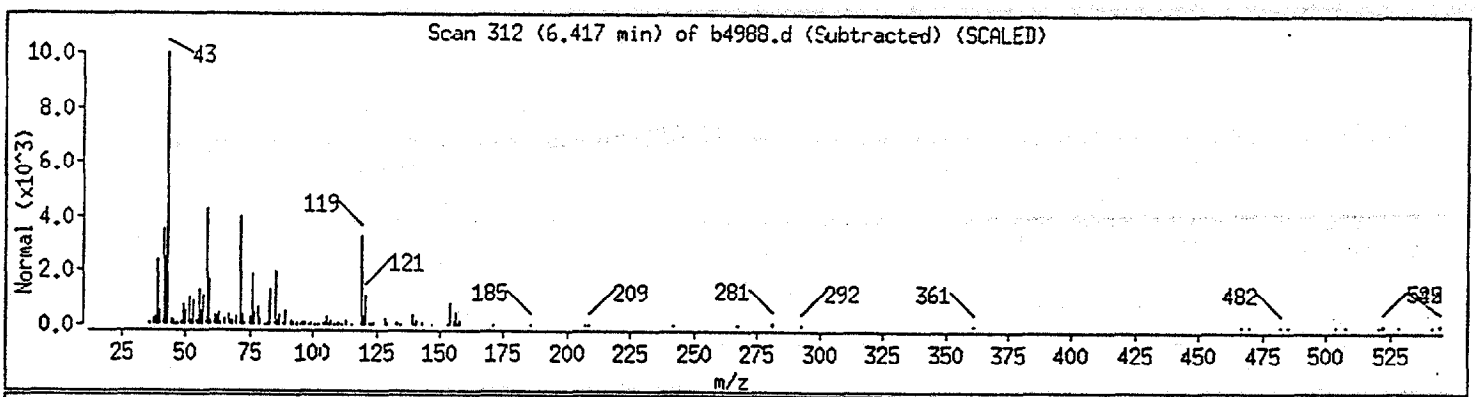


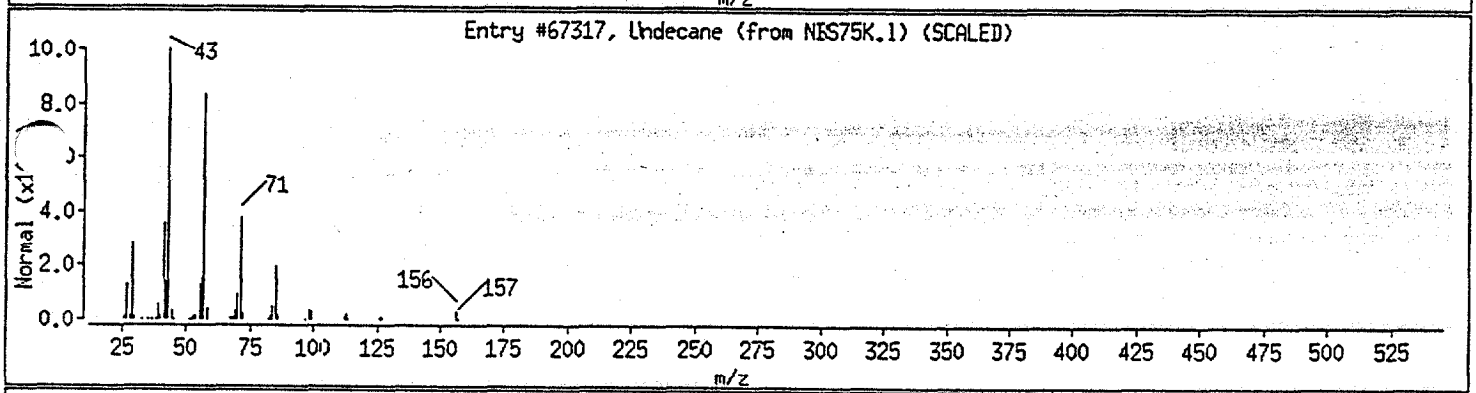


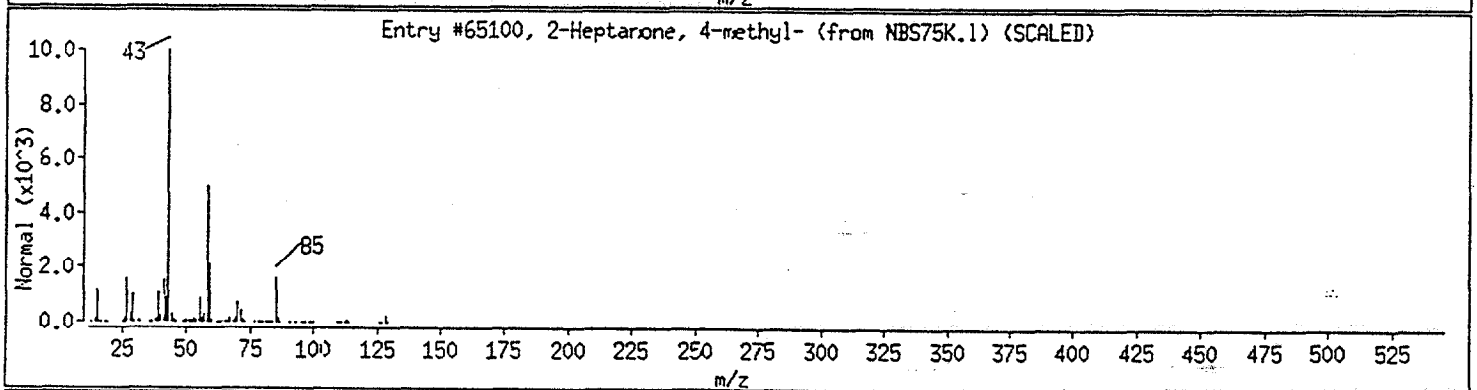


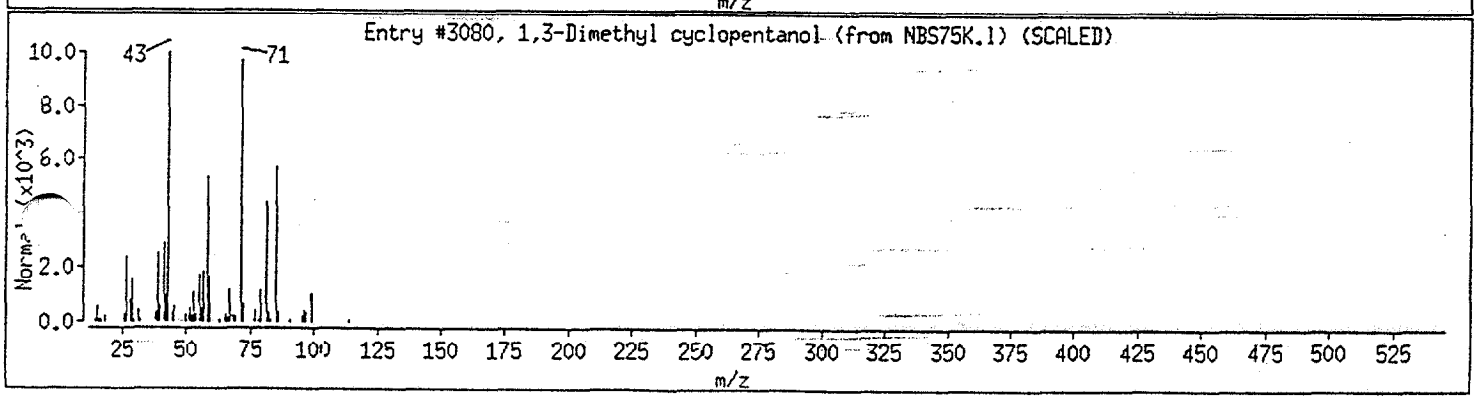
Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Undecane	1120-21-4	NBS75K.1	67317	27
2-Heptanone, 4-methyl-	6137-06-0	NBS75K.1	65100	25
1,3-Dimethyl cyclopentanol	19550-46-0	NBS75K.1	3080	17



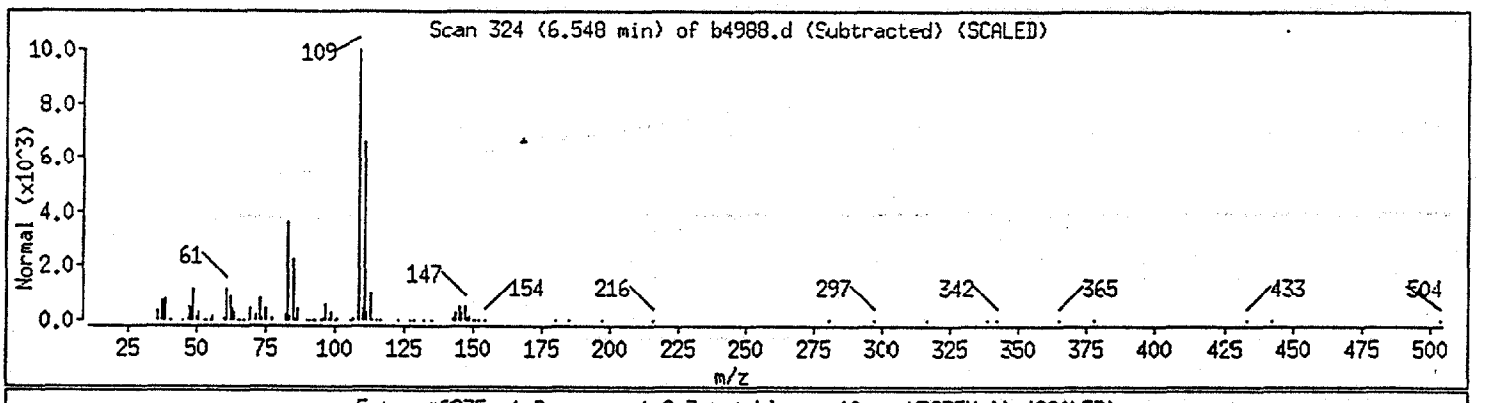


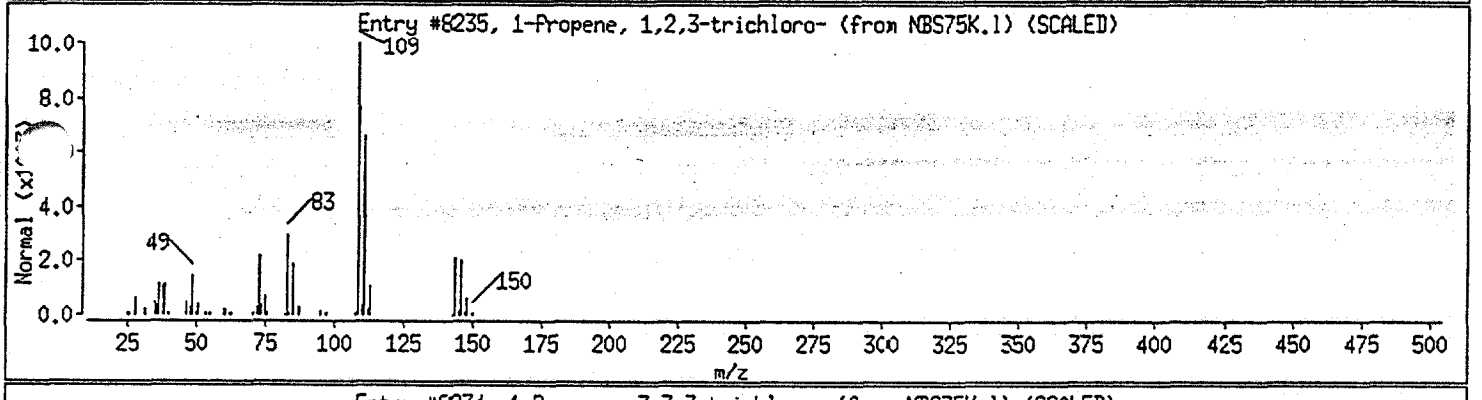


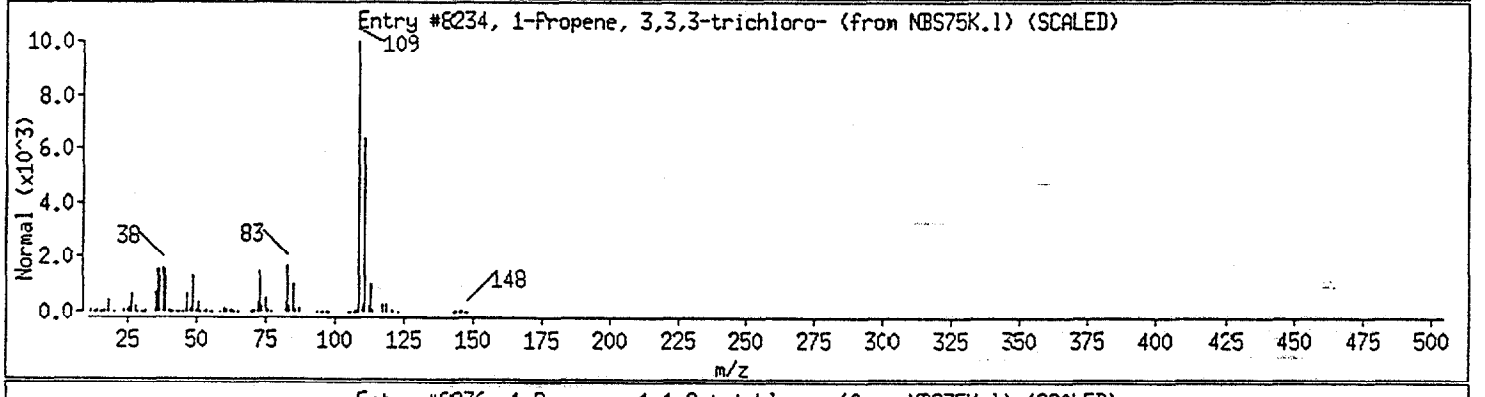


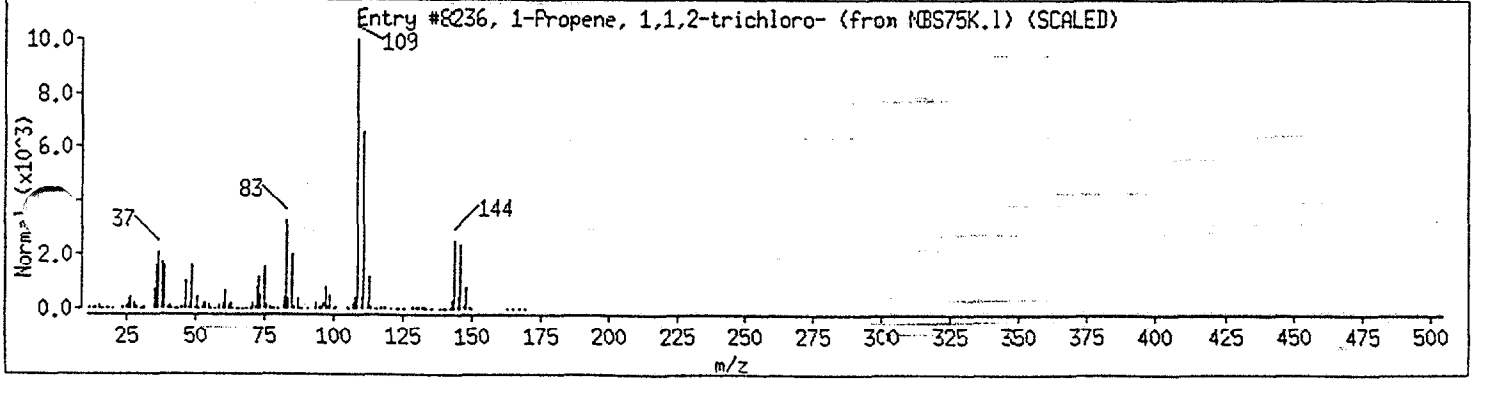
Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1-Propene, 1,2,3-trichloro-	96-19-5	NBS75K.1	8235	90
1-Propene, 3,3,3-trichloro-	2233-00-3	NBS75K.1	8234	56
1-Propene, 1,1,2-trichloro-	21400-25-9	NBS75K.1	8236	50



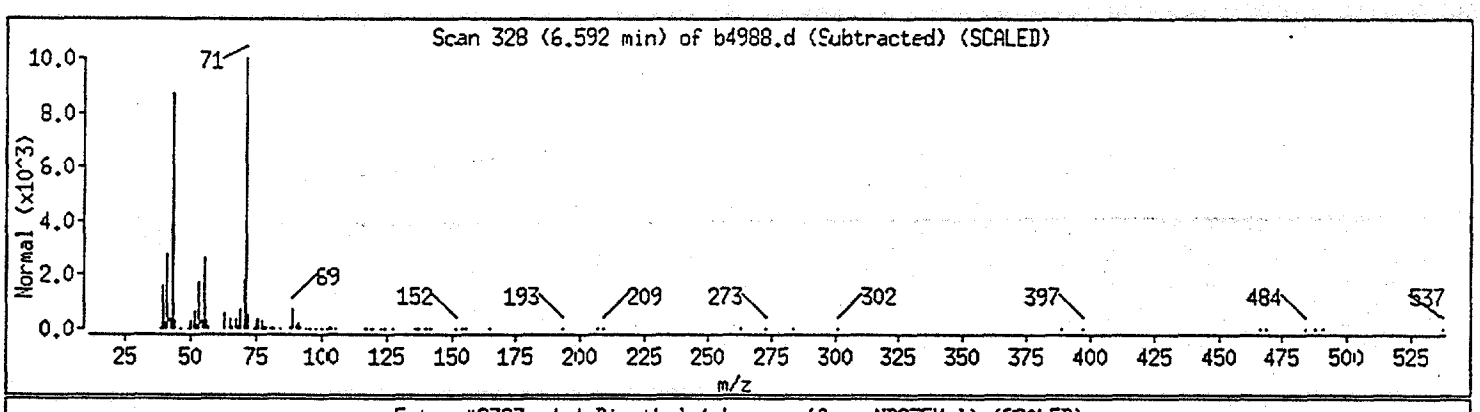


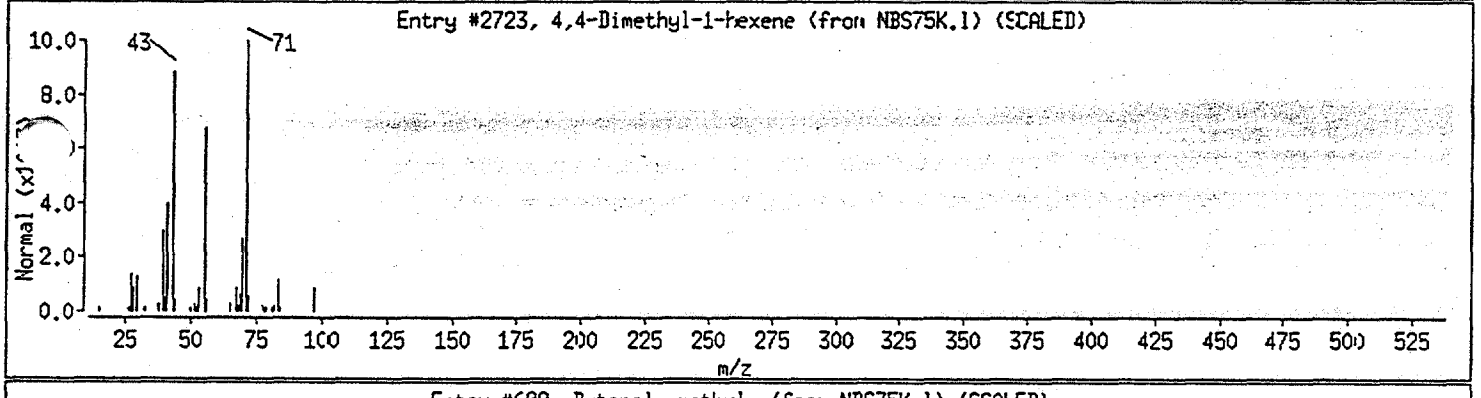


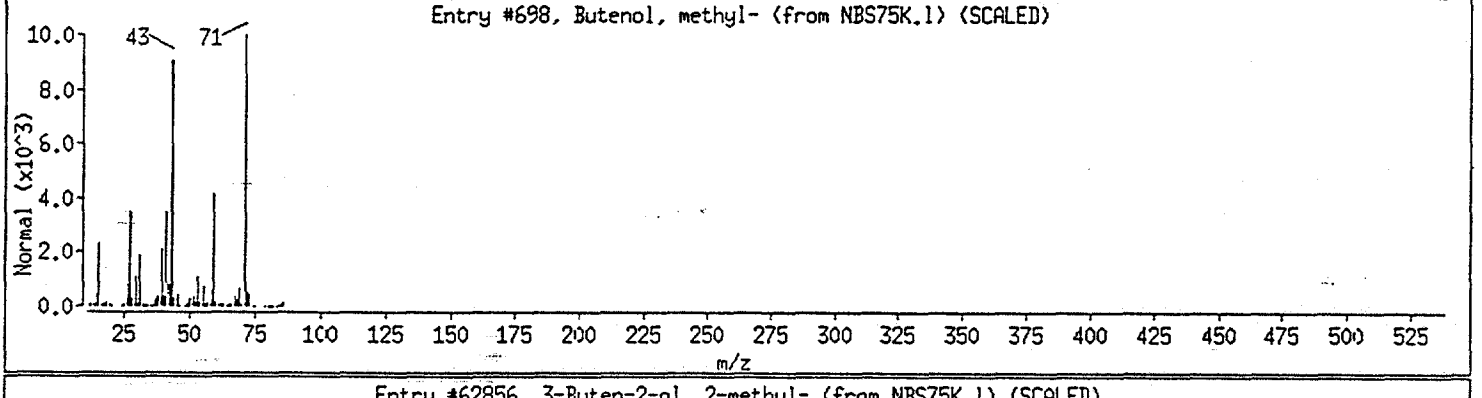


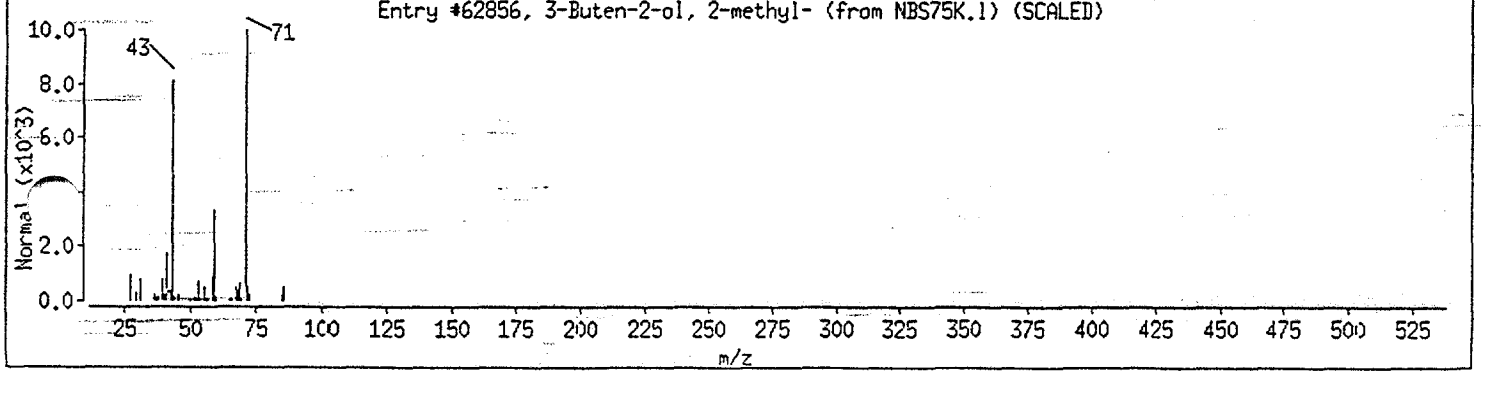
Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
4,4-Dimethyl-1-hexene	1647-08-1	NBS75K.l	2723	56
Butenol, methyl-	60766-00-9	NBS75K.l	698	50
3-Buten-2-ol, 2-methyl-	115-18-4	NBS75K.l	62856	50



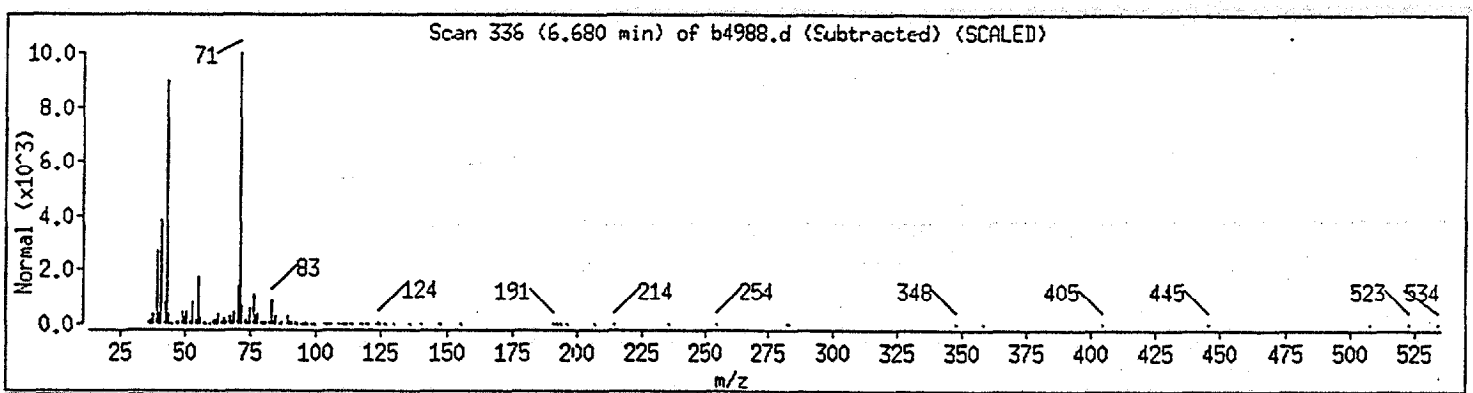


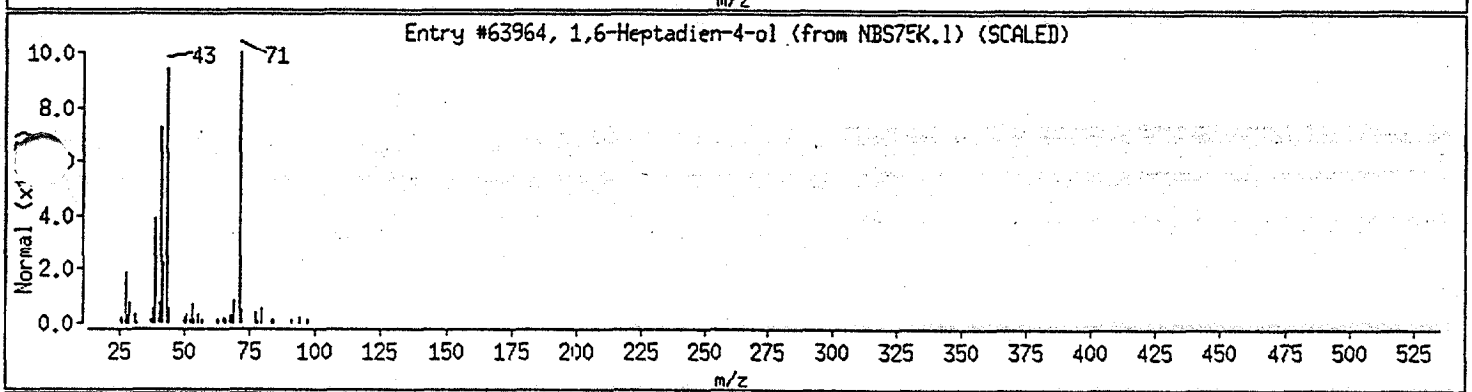


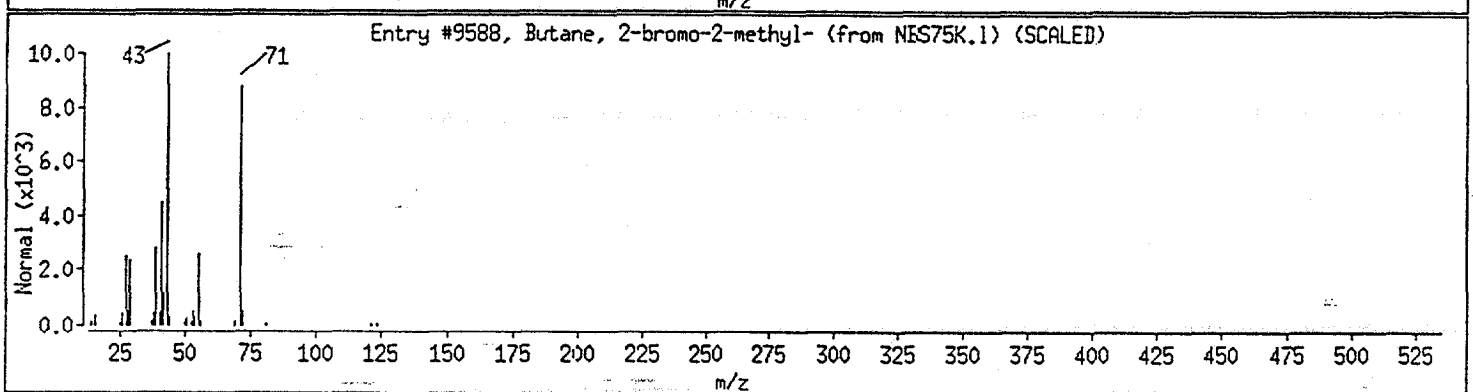


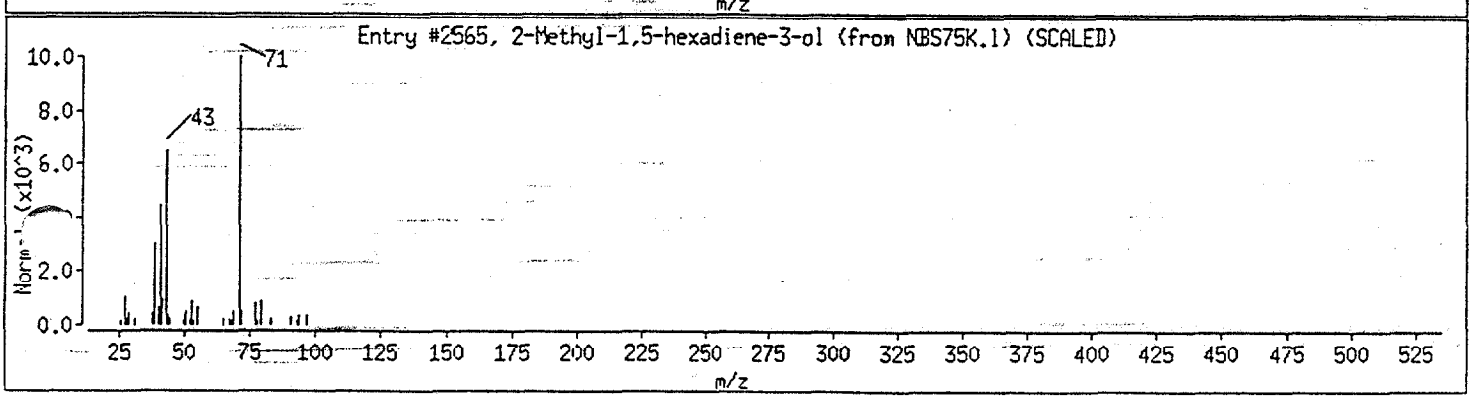
Data File: /chem/aux/msb.i/b111894.b/b4988.d
Date : 18-NOV-94 12:52
Instrument : msb.i
Sample ID : sblk01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
1,6-Heptadien-4-ol	2883-45-6	NBS75K.1	63964	53
Butane, 2-bromo-2-methyl-	507-36-8	NBS75K.1	9588	53
2-Methyl-1,5-hexadiene-3-ol	17123-60-3	NBS75K.1	2565	50









1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS075MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743CS

Sample wt/vol: 2.39 (g/mL) G Lab File ID: E2932

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300000	U
111-44-4	bis(2-Chloroethyl)ether	120000000	
95-57-8	2-Chlorophenol	1300000	U
541-73-1	1,3-Dichlorobenzene	1300000	U
106-46-7	1,4-Dichlorobenzene	1300000	U
95-50-1	1,2-Dichlorobenzene	1300000	U
95-48-7	2-Methylphenol	150000	J
108-60-1	2,2'-oxybis(1-Chloropropane)	160000	J
106-44-5	4-Methylphenol	170000	J
621-64-7	N-Nitroso-di-n-propylamine	1400000	U
67-72-1	Hexachloroethane	1300000	U
98-95-3	Nitrobenzene	1300000	U
78-59-1	Isophorone	140000	J
88-75-5	2-Nitrophenol	1300000	U
105-67-9	2,4-Dimethylphenol	350000	J
111-91-1	bis(2-Chloroethoxy)methane	160000	J
120-83-2	2,4-Dichlorophenol	180000	J
120-82-1	1,2,4-Trichlorobenzene	1300000	U
91-20-3	Naphthalene	140000	J
106-47-8	4-Chloroaniline	1300000	U
87-68-3	Hexachlorobutadiene	1300000	U
59-50-7	4-Chloro-3-methylphenol	240000	J
91-57-6	2-Methylnaphthalene	140000	J
77-47-4	Hexachlorocyclopentadiene	1300000	U
88-06-2	2,4,6-Trichlorophenol	170000	J
95-95-4	2,4,5-Trichlorophenol	150000	J
91-58-7	2-Chloronaphthalene	140000	J
88-74-4	2-Nitroaniline	1400000	U
131-11-3	Dimethylphthalate	1400000	U
208-96-8	Acenaphthylene	150000	J
606-20-2	2,6-Dinitrotoluene	1300000	U
99-09-2	3-Nitroaniline	1300000	U
83-32-9	Acenaphthene	1300000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS075MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15224N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743CS

Sample wt/vol: 2.39 (g/mL) G Lab File ID: E2932

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/21/94

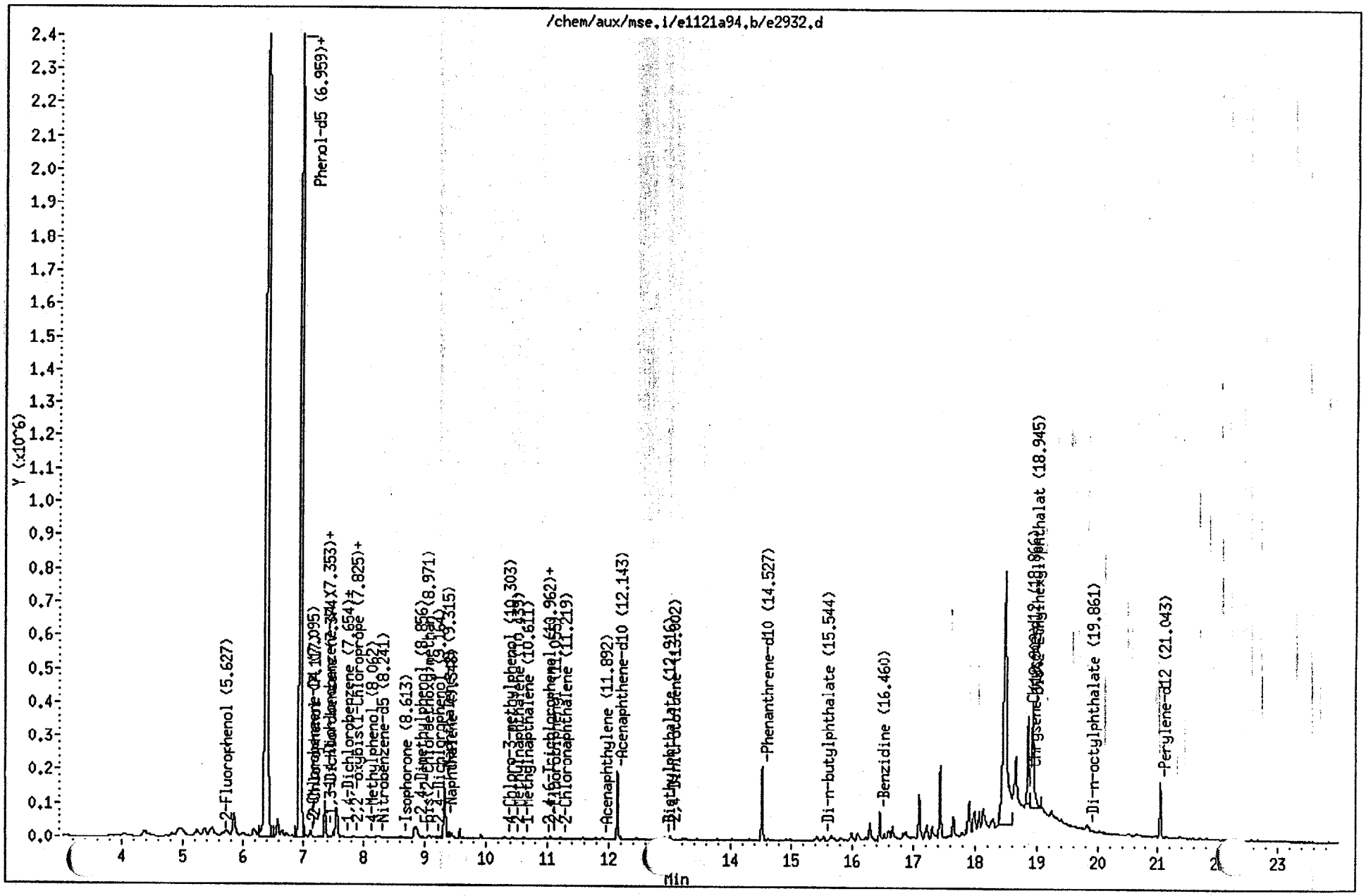
Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6700000	U
100-02-7	4-Nitrophenol	6700000	U
132-64-9	Dibenzofuran	1300000	U
121-14-2	2,4-Dinitrotoluene	1300000	U
84-66-2	Diethylphthalate	150000	J
7005-72-3	4-Chlorophenyl-phenylether	1400000	U
86-73-7	Fluorene	1300000	U
100-01-6	4-Nitroaniline	1300000	U
534-52-1	4,6-Dinitro-2-methylphenol	3400000	U
101-55-3	4-Bromophenyl-phenylether	1400000	U
86-30-6	N-Nitrosodiphenylamine (1)	1300000	U
118-74-1	Hexachlorobenzene	1300000	U
87-86-5	Pentachlorophenol	1300000	U
85-01-8	Phenanthrene	1300000	U
120-12-7	Anthracene	1300000	U
86-74-8	Carbazole	1300000	U
84-74-2	Di-n-butylphthalate	140000	J
206-44-0	Fluoranthene	1300000	U
129-00-0	Pyrene	1300000	U
85-68-2	Butylbenzylphthalate	1400000	U
91-94-1	3,3'-Dichlorobenzidine	1300000	U
56-55-3	Benzo(a)anthracene	1300000	U
218-01-9	Chrysene	140000	J
117-81-7	bis(2-Ethylhexyl)phthalate	190000	J
117-84-0	Di-n-octylphthalate	160000	J
205-99-2	Benzo(b)fluoranthene	1300000	U
207-08-9	Benzo(k)fluoranthene	1300000	U
50-32-8	Benzo(a)pyrene	1300000	U
193-39-5	Indeno(1,2,3-cd)pyrene	1300000	U
53-70-3	Dibenz(a,h)anthracene	1300000	U
191-24-2	Benzo(g,h,i)perylene	1400000	U

(1) - Cannot be separated from Diphenylamine

Data File: /chem/aux/mse.i/e1121a94.b/e2932.d
Date : 21-NOV-94 20:54
Instrument : mse.i
Sample ID : cljdws075 ms
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0



Data File: /chem/aux/mse.i/e1121a94.b/e2932.d
Report Date: 22-Nov-1994 07:13

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2932.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 21-NOV-94 20:54
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : 15226n cljdws075 ms
Misc Info : jn4743cs,n4c41685,m1,2,50
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Cal File: e2921.d
Als bottle: 19
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

TSC 11-22-94

			QUANT SIG				CONCENTRATIONS	
		Compounds	MASS	RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
$		2-Fluorophenol	112.00	5.627	(0.765)	2409	3.93	1.97(aR)
$		Phenol-d5	99.00	6.966	(0.947)	4309	6.53	3.26(aR)
	5	Phenol	94.00	6.959	(0.946)	157690	216	108(AQ)
	6	bis(2-Chloroethyl)ether	93.00	6.959	(0.946)	1150827	1810	904(AQ)
$	89	2-Chlorobenzene-D4	132.00	7.095	(0.965)	2411	3.58	1.79(aAQR)
	7	2-Chlorophenol	128.00	7.117	(0.968)	2068	3.06	1.53(a)
*	9	1,4-Dichlorobenzene-d4	152.00	7.353	(1.000)	24677	40.0	
$	88	1,2-Dichlorobenzene-D4	152.00	7.353	(1.000)	24677	53.4	26.7(TAQ)
	8	1,3-Dichlorobenzene	146.00	7.374	(1.003)	1501	2.05	1.03(a)
	10	1,4-Dichlorobenzene	146.00	7.654	(1.041)	1525	2.02	1.01(Ta)
	12	1,2-Dichlorobenzene	146.00	7.654	(1.041)	1525	2.14	1.07(a)
	13	2,2'-oxybis(1-Chloropropene)	45.00	7.825	(1.064)	1224	2.34	1.17(a)
	11	2-Methylphenol	108.00	7.833	(1.065)	1271	2.25	1.12(a)
	14	4-Methylphenol	108.00	8.062	(1.096)	1470	2.46	1.23(a)
$	17	Nitrobenzene-d5	82.00	8.241	(0.885)	1653	2.10	1.05(aR)
	19	Isophorone	82.00	8.613	(0.925)	2946	2.08	1.04(a)
	20	2,4-Dimethylphenol	107.00	8.856	(0.951)	3898	5.13	2.56(aQ)
	22	bis(2-Chloroethoxy)methane	93.00	8.971	(0.963)	1889	2.38	1.19(a)
	23	2,4-Dichlorophenol	162.00	9.164	(0.984)	1796	2.73	1.36(a)
*	25	Naphthalene-d8	136.00	9.315	(1.000)	94838	40.0	
	26	Naphthalene	128.00	9.343	(1.003)	3958	2.03	1.02(a)
	29	4-Chloro-3-methylphenol	107.00	10.303	(1.106)	2449	3.52	1.76(aQ)
	30	2-Methylnaphthalene	142.00	10.439	(1.121)	2830	2.06	1.03(a)
	31	1-Methylnapthalene	142.00	10.611	(1.139)	2621	2.08	1.04(aA)
	33	2,4,6-Trichlorophenol	196.00	10.962	(0.903)	1129	2.50	1.25(a)
		2,4,5-Trichlorophenol	196.00	10.962	(0.903)	1129	2.14	1.07(a)
$		2-Fluorobiphenyl	172.00	11.055	(0.910)	3334	2.03	1.02(aR)
	36	2-Chloronaphthalene	162.00	11.219	(0.924)	2797	2.06	1.03(a)
	40	Acenaphthylene	152.00	11.892	(0.979)	4488	2.20	1.10(a)

Data File: /chem/aux/mse.i/e1121a94.b/e2932.d
Report Date: 22-Nov-1994 07:13

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 42 Acenaphthene-d10	164.00	12.143	(1.000)	64439	40.0	
46 2,4-Dinitrotoluene	165.00	13.002	(1.071)	2888	4.89	2.45(TaQ)
48 Diethylphthalate	149.00	12.916	(1.064)	4554	2.18	1.09(a)
* 58 Phenanthrene-d10	188.00	14.527	(1.000)	108232	40.0	
62 Di-n-butylphthalate	149.00	15.544	(1.070)	8131	2.05	1.02(a)
63 Benzidine	184.00	16.460	(0.872)	1553	2.75	1.37(aQ)
* 70 Chrysene-d12	240.00	18.866	(1.000)	116932	40.0	
72 Chrysene	228.00	18.902	(1.002)	5228	2.01	1.00(a)
68 bis(2-Ethylhexyl)phthalate	149.00	18.938	(1.004)	8071	2.79	1.39(a)
73 Di-n-octylphthalate	149.00	19.861	(0.944)	8568	2.38	1.19(a)
* 77 Perylene-d12	264.00	21.043	(1.000)	85774	40.0	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00441
EPA SAMPLE NO.

CLJDWS075MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743CR

Sample wt/vol: 2.09 (g/mL) G Lab File ID: E2933

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	8400	U
111-44-4	bis(2-Chloroethyl)ether	1600000	U
95-57-8	2-Chlorophenol	150	U
541-73-1	1,3-Dichlorobenzene	160000	
106-46-7	1,4-Dichlorobenzene	140	U
95-50-1	1,2-Dichlorobenzene	160000	
95-48-7	2-Methylphenol	180000	
108-60-1	2,2'-oxybis(1-Chloropropane)	200000	J
106-44-5	4-Methylphenol	170000	
621-64-7	N-Nitroso-di-n-propylamine	1600000	U
67-72-1	Hexachloroethane	0	U
98-95-3	Nitrobenzene	0	U
78-59-1	Isophorone	190000	
88-75-5	2-Nitrophenol	0	U
105-67-9	2,4-Dimethylphenol	410000	
111-91-1	bis(2-Chloroethoxy)methane	200000	
120-83-2	2,4-Dichlorophenol	220000	
120-82-1	1,2,4-Trichlorobenzene	0	U
91-20-3	Naphthalene	160000	
106-47-8	4-Chloroaniline	0	U
87-68-3	Hexachlorobutadiene	0	U
59-50-7	4-Chloro-3-methylphenol	280000	J
91-57-6	2-Methylnaphthalene	170000	
77-47-4	Hexachlorocyclopentadiene	0	U
88-06-2	2,4,6-Trichlorophenol	200000	
95-95-4	2,4,5-Trichlorophenol	170000	
91-58-7	2-Chloronaphthalene	0	U
88-74-4	2-Nitroaniline	1600000	U
131-11-3	Dimethylphthalate	1600000	U
208-96-8	Acenaphthylene	180000	
606-20-2	2,6-Dinitrotoluene	1400000	
99-09-2	3-Nitroaniline	0	U
83-32-9	Acenaphthene	0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS075MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743CR

Sample wt/vol: 2.09 (g/mL) G Lab File ID: E2933

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

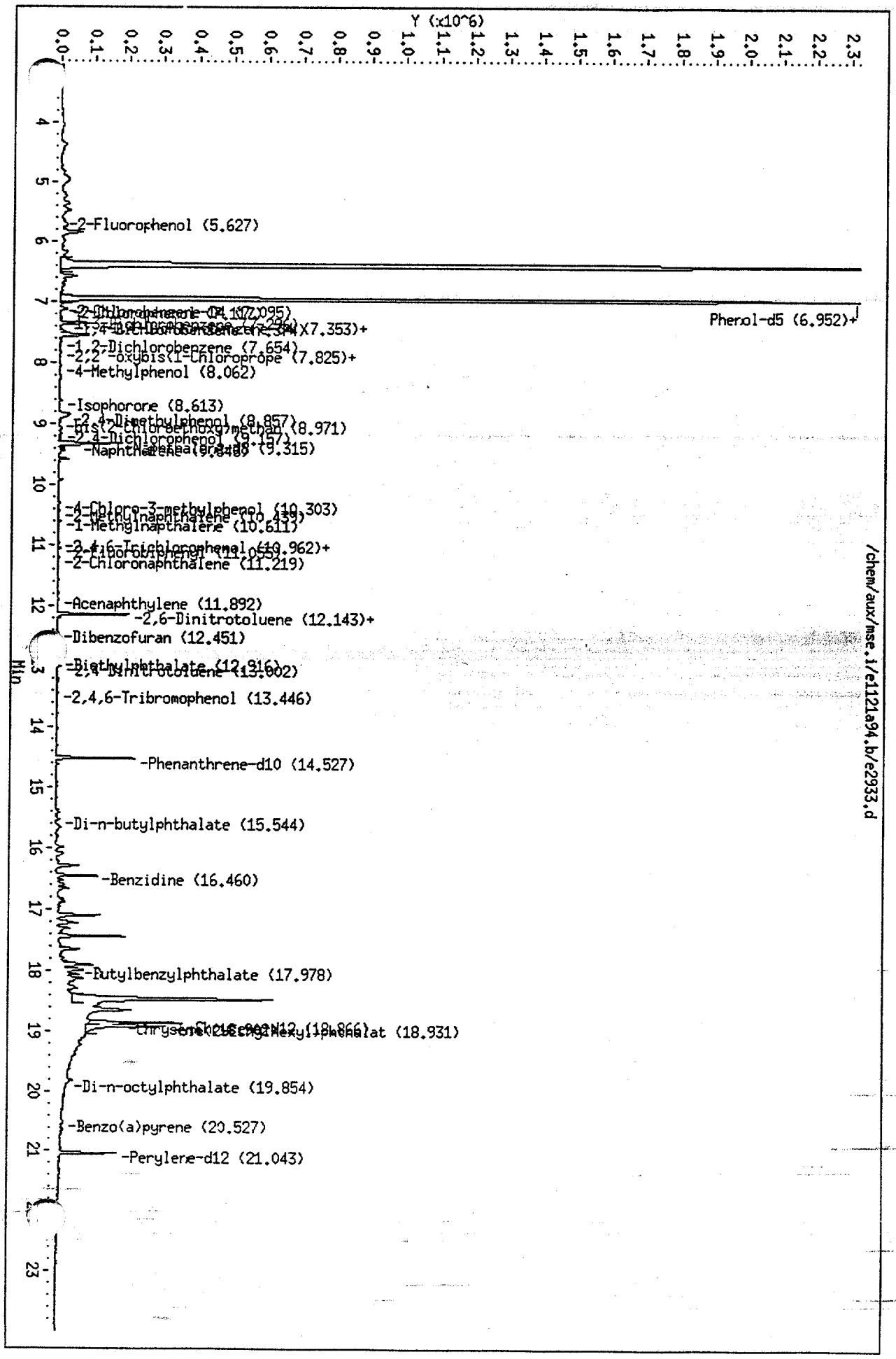
Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	0	U
100-02-7	4-Nitrophenol	0	U
132-64-9	Dibenzofuran	160000	
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	180000	J
7005-72-3	4-Chlorophenyl-phenylether	1600000	U
86-73-7	Fluorene	0	U
100-01-6	4-Nitroaniline	0	U
534-52-1	4,6-Dinitro-2-methylphenol	3900000	U
101-55-3	4-Bromophenyl-phenylether	1600000	U
86-30-6	N-Nitrosodiphenylamine (1)	0	U
118-74-1	Hexachlorobenzene	0	U
87-86-5	Pentachlorophenol	0	U
85-01-8	Phenanthrene	0	U
120-12-7	Anthracene	0	U
86-74-8	Carbazole	0	U
84-74-2	Di-n-butylphthalate	160000	J
206-44-0	Fluoranthene	0	U
129-00-0	Pyrene	0	U
85-68-2	Butylbenzylphthalate	180000	J
91-94-1	3,3'-Dichlorobenzidine	0	U
56-55-3	Benzo(a)anthracene	0	U
218-01-9	Chrysene	160000	
117-81-7	bis(2-Ethylhexyl)phthalate	200000	
117-84-0	Di-n-octylphthalate	200000	J
205-99-2	Benzo(b)fluoranthene	0	U
207-08-9	Benzo(k)fluoranthene	0	U
50-32-8	Benzo(a)pyrene	160000	
193-39-5	Indeno(1,2,3-cd)pyrene	0	U
53-70-3	Dibenz(a,h)anthracene	0	U
191-24-2	Benzo(g,h,i)perylene	1600000	U

(1) - Cannot be separated from Diphenylamine



Data File: /chem/aux/mse.1/e1121a94.b/e2933.d
Date : 21-NOV-94 21:29
Instrument : mse.1
Sample ID : cljdus075 msd
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

/chem/aux/mse.1/e1121a94.b/e2933.d

Column diameter : 0.25

Data File: /chem/aux/mse.i/e1121a94.b/e2933.d
Report Date: 22-Nov-1994 07:13

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2933.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 21-NOV-94 21:29
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : 15226n cljdws075 msd
Misc Info : jn4743cr,n4c41685,m1,2,50
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Cal File: e2921.d
Als bottle: 20
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

JSC 11-22-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$	2-Fluorophenol	112.00	5.627	(0.765)	2809	4.33	2.17(aR)
$ 4	Phenol-d5	99.00	6.966	(0.947)	4754	6.81	3.40(aR)
5	Phenol	94.00	6.952	(0.945)	149364	194	96.9(AQ)
6	bis(2-Chloroethyl)ether	93.00	6.952	(0.945)	1091121	1620	810(AQ)
$ 89	2-Chlorobenzene-D4	132.00	7.095	(0.965)	2845	3.99	1.99(aAQR)
7	2-Chlorophenol	128.00	7.117	(0.968)	2424	3.38	1.69(a)
* 9	1,4-Dichlorobenzene-d4	152.00	7.353	(1.000)	26105	40.0	
$ 88	1,2-Dichlorobenzene-D4	152.00	7.353	(1.000)	26105	53.4	26.7(TAQ)
8	1,3-Dichlorobenzene	146.00	7.296	(0.992)	1627	2.10	1.05(a)
10	1,4-Dichlorobenzene	146.00	7.374	(1.003)	1671	2.09	1.05(aQ)
12	1,2-Dichlorobenzene	146.00	7.654	(1.041)	1518	2.02	1.01(a)
13	2,2'-oxybis(1-Chloropropene)	45.00	7.825	(1.064)	1448	2.61	1.31(a)
11	2-Methylphenol	108.00	7.840	(1.066)	1350	2.26	1.13(a)
14	4-Methylphenol	108.00	8.062	(1.096)	1354	2.14	1.07(a)
19	Isophorone	82.00	8.613	(0.925)	3422	2.38	1.19(a)
20	2,4-Dimethylphenol	107.00	8.857	(0.951)	4089	5.29	2.64(aQ)
22	bis(2-Chloroethoxy)methane	93.00	8.971	(0.963)	2051	2.54	1.27(a)
23	2,4-Dichlorophenol	162.00	9.157	(0.983)	1863	2.78	1.39(a)
* 25	Naphthalene-d8	136.00	9.315	(1.000)	96429	40.0	
26	Naphthalene	128.00	9.343	(1.003)	4175	2.11	1.05(a)
29	4-Chloro-3-methylphenol	107.00	10.303	(1.106)	2515	3.56	1.78(a)
30	2-Methylnaphthalene	142.00	10.439	(1.121)	3005	2.15	1.08(a)
31	1-Methylnapthalene	142.00	10.611	(1.139)	2901	2.26	1.13(aA)
33	2,4,6-Trichlorophenol	196.00	10.962	(0.903)	1232	2.60	1.30(a)
34	2,4,5-Trichlorophenol	196.00	10.962	(0.903)	1232	2.22	1.11(a)
$	-Fluorobiphenyl	172.00	11.055	(0.910)	3787	2.20	1.10(aR)
	2-Chloronaphthalene	162.00	11.219	(0.924)	2871	2.01	1.01(a)
40	Acenaphthylene	152.00	11.892	(0.979)	4809	2.26	1.13(a)
39	2,6-Dinitrotoluene	165.00	12.143	(1.000)	8545	18.6	9.31(aQ)

Data File: /chem/aux/mse.i/e1121a94.b/e2933.d
Report Date: 22-Nov-1994 07:13

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
*	42 Acenaphthene-d10	164.00	12.143	(1.000)	67487	40.0	
	47 Dibenzofuran	168.00	12.451	(1.025)	4233	2.04	1.02(a)
	46 2,4-Dinitrotoluene	165.00	13.002	(1.071)	3101	5.02	2.51(TaQ)
	48 Diethylphthalate	149.00	12.916	(1.064)	4930	2.26	1.13(a)
$	54 2,4,6-Tribromophenol	330.00	13.446	(1.107)	627	2.30	1.15(aQR)
*	58 Phenanthrene-d10	188.00	14.527	(1.000)	114124	40.0	
	62 Di-n-butylphthalate	149.00	15.544	(1.070)	8709	2.08	1.04(a)
	63 Benzidine	184.00	16.460	(0.872)	2297	3.96	1.98(aQ)
	67 Butylbenzylphthalate	149.00	17.978	(0.953)	4587	2.34	1.17(aQ)
*	70 Chrysene-d12	240.00	18.866	(1.000)	120064	40.0	
	72 Chrysene	228.00	18.902	(1.002)	5350	2.00	1.00(a)
	68 bis(2-Ethylhexyl)phthalate	149.00	18.938	(1.004)	7812	2.63	1.31(a)
	73 Di-n-octylphthalate	149.00	19.854	(0.944)	9086	2.54	1.27(a)
	76 Benzo(a)pyrene	252.00	20.527	(0.976)	3658	2.01	1.00(Ta)
*	77 Perylene-d12	264.00	21.043	(1.000)	85287	40.0	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: N4C41685CS

Sample wt/vol: 2.00 (g/mL) G Lab File ID: E2945

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	320000	
111-44-4	bis(2-Chloroethyl)ether	63000	
95-57-8	2-Chlorophenol	280000	
541-73-1	1,3-Dichlorobenzene	130000	
106-46-7	1,4-Dichlorobenzene	130000	
95-50-1	1,2-Dichlorobenzene	170000	
95-48-7	2-Methylphenol	150000	
108-60-1	2,2'-oxybis(1-Chloropropane)	130000	
106-44-5	4-Methylphenol	200000	
621-64-7	N-Nitroso-di-n-propylamine	200000	
67-72-1	Hexachloroethane	130000	
98-95-3	Nitrobenzene	120000	
78-59-1	Isophorone	120000	
88-75-5	2-Nitrophenol	190000	
105-67-9	2,4-Dimethylphenol	270000	
111-91-1	bis(2-Chloroethoxy)methane	130000	
120-83-2	2,4-Dichlorophenol	280000	
120-82-1	1,2,4-Trichlorobenzene	150000	
91-20-3	Naphthalene	160000	
106-47-8	4-Chloroaniline	34000	
87-68-3	Hexachlorobutadiene	150000	
59-50-7	4-Chloro-3-methylphenol	220000	
91-57-6	2-Methylnaphthalene	190000	
77-47-4	Hexachlorocyclopentadiene	330000	
88-06-2	2,4,6-Trichlorophenol	250000	
95-95-4	2,4,5-Trichlorophenol	150000	
91-58-7	2-Chloronaphthalene	140000	
88-74-4	2-Nitroaniline	120000	
131-11-3	Dimethylphthalate	130000	
208-96-8	Acenaphthylene	150000	
606-20-2	2,6-Dinitrotoluene	130000	
99-09-2	3-Nitroaniline	83000	
83-32-9	Acenaphthene	140000	

00447

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15220N SAS No.: N/A SDG No.: CLTDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N4C41685CS

Sample wt/vol: 2.00 (g/mL) G Lab File ID: E2945

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

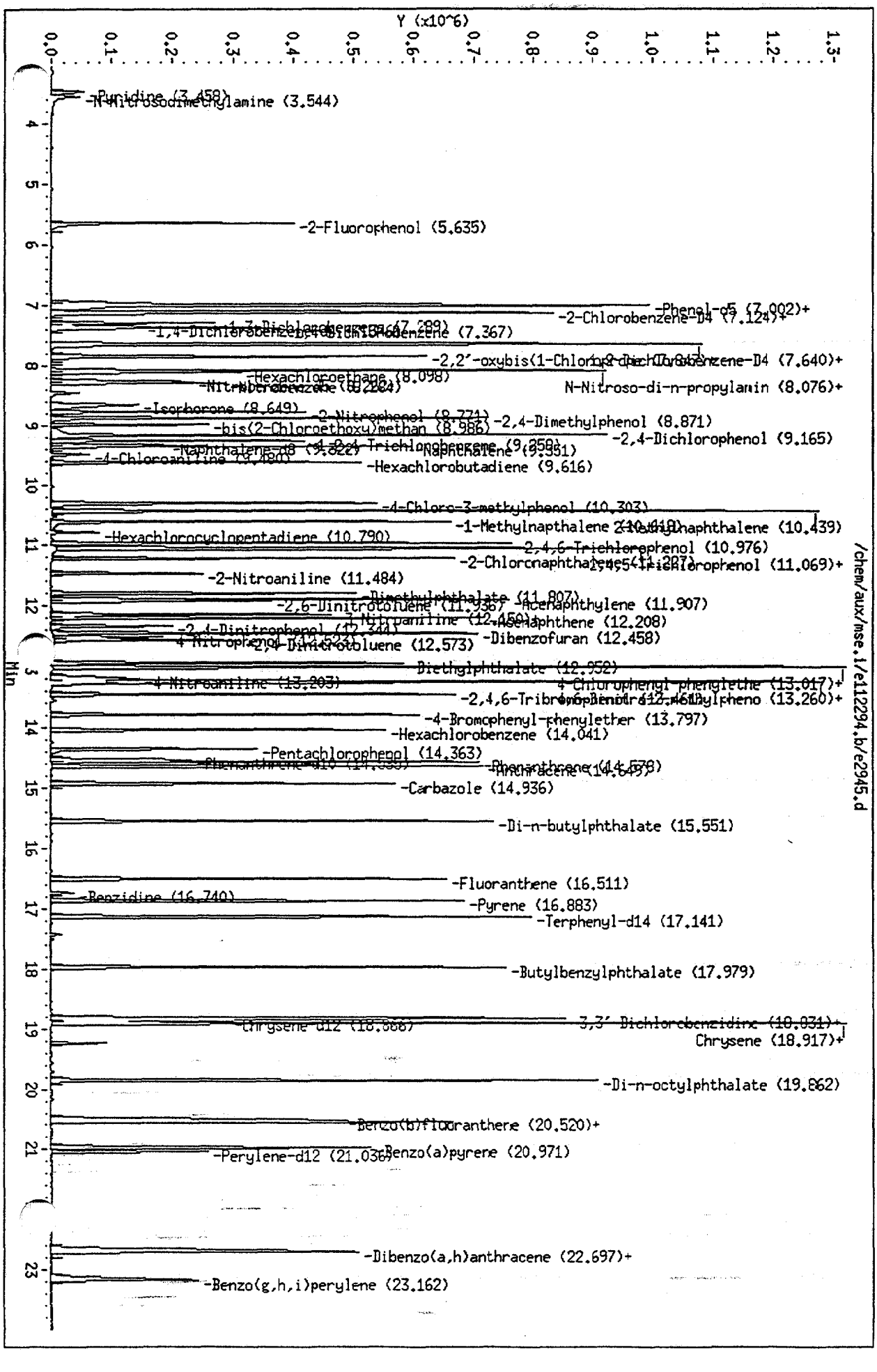
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	270000	
100-02-7	4-Nitrophenol	210000	
132-64-9	Dibenzofuran	150000	
121-14-2	2,4-Dinitrotoluene	120000	
84-66-2	Diethylphthalate	130000	
7005-72-3	4-Chlorophenyl-phenylether	130000	
86-73-7	Fluorene	140000	
100-01-6	4-Nitroaniline	110000	
534-52-1	4,6-Dinitro-2-methylphenol	290000	
101-55-3	4-Bromophenyl-phenylether	150000	
86-30-6	N-Nitrosodiphenylamine (1)	160000	
118-74-1	Hexachlorobenzene	150000	
87-86-5	Pentachlorophenol	400000	
85-01-8	Phenanthrene	150000	
120-12-7	Anthracene	150000	
86-74-8	Carbazole	140000	
84-74-2	Di-n-butylphthalate	140000	
206-44-0	Fluoranthene	140000	
129-00-0	Pyrene	140000	
85-68-2	Butylbenzylphthalate	120000	
91-94-1	3,3'-Dichlorobenzidine	69000	
56-55-3	Benzo(a)anthracene	120000	
218-01-9	Chrysene	120000	
117-81-7	bis(2-Ethylhexyl)phthalate	140000	
117-84-0	Di-n-octylphthalate	150000	
205-99-2	Benzo(b)fluoranthene	160000	
207-08-9	Benzo(k)fluoranthene	140000	
50-32-8	Benzo(a)pyrene	140000	
193-39-5	Indeno(1,2,3-cd)pyrene	130000	
53-70-3	Dibenz(a,h)anthracene	130000	
191-24-2	Benzo(g,h,i)perylene	140000	

(1) - Cannot be separated from Diphenylamine



Data File: /chem/aux/mse.i/e112294.b/e2945.d
Date : 22-NOV-94 08:48
Instrument : mse.i
Sample ID : sspk01
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

/chem/aux/mse.i/e112294.b/e2945.d

Column diameter : 0.25

Data File: /chem/aux/mse.i/e112294.b/e2945.d
Report Date: 22-Nov-1994 09:57

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e112294.b/e2945.d
Lab. Id. : Quant Type: ISTD
Inj Date : 22-NOV-94 08:48 Autotune Date: {
Operator : Tom Inst ID: mse.i
Smp Info : method blank spk
Misc Info : n4c41685c,h4c41685,m1,2,1
Comment :
Method : /chem/aux/mse.i/e112294.b/bnaclpe.m
Meth Date : 22-Nov-1994 07:46
Cal Date : 22-NOV-94 07:20 Cal File: e2943.d
Als bottle: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

TSC 11-22-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.458	(0.471)	55998	71.0	35.5 (Q)
	1 N-Nitrosodimethylamine	42.00	3.544	(0.482)	37233	97.5	48.7
$	3 2-Fluorophenol	112.00	5.635	(0.767)	161201	194	96.9 (A)
$	4 Phenol-d5	99.00	6.988	(0.951)	264388	283	142 (AR)
	5 Phenol	94.00	7.009	(0.954)	255410	254	127 (A)
	6 bis(2-Chloroethyl)ether	93.00	7.009	(0.954)	43649	50.1	25.1 (Q)
$	89 2-Chlorobenzene-D4	132.00	7.110	(0.968)	226032	246	123 (AQR)
	7 2-Chlorophenol	128.00	7.131	(0.971)	202036	224	112 (A)
*	9 1,4-Dichlorobenzene-d4	152.00	7.346	(1.000)	32747	40.0	
$	88 1,2-Dichlorobenzene-D4	152.00	7.632	(1.039)	98796	163	81.4 (AQR)
	8 1,3-Dichlorobenzene	146.00	7.289	(0.992)	99280	100	50.0
	10 1,4-Dichlorobenzene	146.00	7.367	(1.003)	109955	107	53.4
	12 1,2-Dichlorobenzene	146.00	7.654	(1.042)	127319	133	66.3
	13 2,2'-oxybis(1-Chloropropene)	45.00	7.840	(1.067)	75962	107	53.7 (Q)
	15 N-Nitroso-di-n-propylamine	70.00	8.069	(1.098)	84395	159	79.4 (Q)
	11 2-Methylphenol	108.00	7.847	(1.068)	93866	123	61.6
	14 4-Methylphenol	108.00	8.076	(1.099)	126562	156	78.2
	16 Hexachloroethane	117.00	8.098	(1.102)	47557	101	50.4
$	17 Nitrobenzene-d5	82.00	8.255	(0.886)	117358	119	59.4 (R)
	18 Nitrobenzene	77.00	8.284	(0.889)	91873	99.8	49.9
	19 Isophorone	82.00	8.649	(0.928)	172233	99.6	49.8
	21 2-Nitrophenol	139.00	8.771	(0.941)	87769	155	77.6
	20 2,4-Dimethylphenol	107.00	8.871	(0.952)	198599	217	108 (A)
	22 bis(2-Chloroethoxy)methane	93.00	8.986	(0.964)	102387	101	50.6
	23 2,4-Dichlorophenol	162.00	9.165	(0.983)	178059	220	110 (A)
	24 1,2,4-Trichlorobenzene	180.00	9.258	(0.993)	105594	123	61.4
*	25 Naphthalene-d8	136.00	9.322	(1.000)	119665	40.0	
	26 Naphthalene	128.00	9.351	(1.003)	301790	124	62.1
	27 4-Chloroaniline	127.00	9.480	(1.017)	26672	27.5	13.7

Data File: /chem/aux/mse.i/e112294.b/e2945.d
Report Date: 22-Nov-1994 09:57

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	28 Hexachlorobutadiene	225.00	9.616	(1.031)	71248	120	60.1
	29 4-Chloro-3-methylphenol	107.00	10.303	(1.105)	147898	174	87.2(A)
	30 2-Methylnaphthalene	142.00	10.446	(1.121)	259867	150	75.1
	31 1-Methylnapthalene	142.00	10.618	(1.139)	207969	131	65.7(A)
	32 Hexachlorocyclopentadiene	237.00	10.790	(0.888)	13243	266	133(AQ)
	33 2,4,6-Trichlorophenol	196.00	10.976	(0.903)	129945	200	100(A)
	34 2,4,5-Trichlorophenol	196.00	11.055	(0.910)	90346	118	59.0
$	35 2-Fluorobiphenyl	172.00	11.076	(0.912)	347837	145	72.3(R)
	36 2-Chloronaphthalene	162.00	11.227	(0.924)	224446	112	55.9
	37 2-Nitroaniline	65.00	11.484	(0.945)	58977	92.6	46.3
	38 Dimethylphthalate	163.00	11.807	(0.972)	286466	106	53.0
	40 Acenaphthylene	152.00	11.907	(0.980)	363578	120	60.3
	39 2,6-Dinitrotoluene	165.00	11.936	(0.982)	66661	102	51.0
	41 3-Nitroaniline	138.00	12.158	(1.001)	42152	66.3	33.2
*	42 Acenaphthene-d10	164.00	12.150	(1.000)	94304	40.0	
	44 Acenaphthene	153.00	12.208	(1.005)	222175	108	54.0
	43 2,4-Dinitrophenol	184.00	12.344	(1.016)	42264	213	107(A)
	47 Dibenzofuran	168.00	12.465	(1.026)	339680	118	58.9
	45 4-Nitrophenol	109.00	12.523	(1.031)	61422	168	84.0(A)
	46 2,4-Dinitrotoluene	165.00	12.573	(1.035)	81612	93.5	46.8
	Diethylphthalate	149.00	12.952	(1.066)	314476	101	50.6
	49 4-Chlorophenyl-phenylether	204.00	13.017	(1.071)	141875	108	53.8
	50 Fluorene	166.00	13.024	(1.072)	292465	115	57.6
	51 4-Nitroaniline	138.00	13.203	(1.087)	51822	84.2	42.1
	52 4,6-Dinitro-2-methylphenol	198.00	13.260	(0.912)	93261	231	115(AQ)
	53 N-Nitrosodiphenylamine	169.00	13.253	(0.912)	200461	131	65.4
$	54 2,4,6-Tribromophenol	330.00	13.468	(1.108)	87143	251	125(AR)
	55 4-Bromophenyl-phenylether	248.00	13.797	(0.949)	78460	124	61.8
	56 Hexachlorobenzene	284.00	14.048	(0.967)	91586	121	60.5
	57 Pentachlorophenol	266.00	14.363	(0.988)	49363	321	161(A)
*	58 Phenanthrene-d10	188.00	14.535	(1.000)	145800	40.0	
	59 Phenanthrene	178.00	14.578	(1.003)	396983	118	59.0
	60 Anthracene	178.00	14.649	(1.008)	395010	121	60.6
	61 Carbazole	167.00	14.936	(1.028)	329805	114	57.0
	62 Di-n-butylphthalate	149.00	15.551	(1.070)	588383	109	54.3
	64 Fluoranthene	202.00	16.518	(1.136)	422279	114	57.1
	63 Benzidine	184.00	16.740	(0.887)	21525	28.4	14.2
	65 Pyrene	202.00	16.883	(0.895)	444678	111	55.5
$	66 Terphenyl-d14	244.00	17.141	(0.909)	345648	125	62.3
	67 Butylbenzylphthalate	149.00	17.979	(0.953)	263203	96.8	48.4
	69 3,3'-Dichlorobenzidine	252.00	18.831	(0.998)	92090	55.0	27.5
	71 Benzo(a)anthracene	228.00	18.838	(0.998)	423959	98.0	49.0
*	70 Chrysene-d12	240.00	18.866	(1.000)	164533	40.0	
	72 Chrysene	228.00	18.917	(1.003)	350371	96.2	48.1
	68 bis(2-Ethylhexyl)phthalate	149.00	18.924	(1.003)	449928	110	54.8
	i-n-octylphthalate	149.00	19.862	(0.944)	701023	119	59.6
	74 Benzo(b)fluoranthene	252.00	20.520	(0.975)	436772	131	65.4
	75 Benzo(k)fluoranthene	252.00	20.520	(0.975)	436772	112	56.2
	76 Benzo(a)pyrene	252.00	20.971	(0.997)	347204	114	57.0

Data File: /chem/aux/mse.i/e112294.b/e2945.d
Report Date: 22-Nov-1994 09:57

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 77 Perylene-d12	264.00	21.036	(1.000)	145582	40.0	
78 Dibenzo(a,h)anthracene	278.00	22.690	(1.079)	312747	101	50.4
79 Indeno(1,2,3-cd)pyrene	276.00	22.704	(1.079)	398235	105	52.4
80 Benzo(g,h,i)perylene	276.00	23.162	(1.101)	286832	115	57.3

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

00452

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: C4TDW5075

Matrix: (soil/water) WATER Lab Sample ID: N1C41682CS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2923

Level: (low/med) LOW Date Received: 11/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	110	
111-44-4	bis(2-Chloroethyl)ether	53	
95-57-8	2-Chlorophenol	110	
541-73-1	1,3-Dichlorobenzene	38	
106-46-7	1,4-Dichlorobenzene	40	
95-50-1	1,2-Dichlorobenzene	45	
95-48-7	2-Methylphenol	65	
108-60-1	2,2'-oxybis(1-Chloropropane)	59	
106-44-5	4-Methylphenol	82	
621-64-7	N-Nitroso-di-n-propylamine	90	
67-72-1	Hexachloroethane	30	
98-95-3	Nitrobenzene	50	
78-59-1	Isophorone	52	
88-75-5	2-Nitrophenol	83	
105-67-9	2,4-Dimethylphenol	65	
111-91-1	bis(2-Chloroethoxy)methane	54	
120-83-2	2,4-Dichlorophenol	100	
120-82-1	1,2,4-Trichlorobenzene	42	
91-20-3	Naphthalene	50	
106-47-8	4-Chloroaniline	47	
87-68-3	Hexachlorobutadiene	32	
59-50-7	4-Chloro-3-methylphenol	99	
91-57-6	2-Methylnaphthalene	52	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	100	
95-95-4	2,4,5-Trichlorophenol	59	
91-58-7	2-Chloronaphthalene	49	
88-74-4	2-Nitroaniline	53	
131-11-3	Dimethylphthalate	12	
208-96-8	Acenaphthylene	58	
606-20-2	2,6-Dinitrotoluene	56	
99-09-2	3-Nitroaniline	49	
83-32-9	Acenaphthene	52	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) WATER Lab Sample ID: N1C41682CS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2923

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

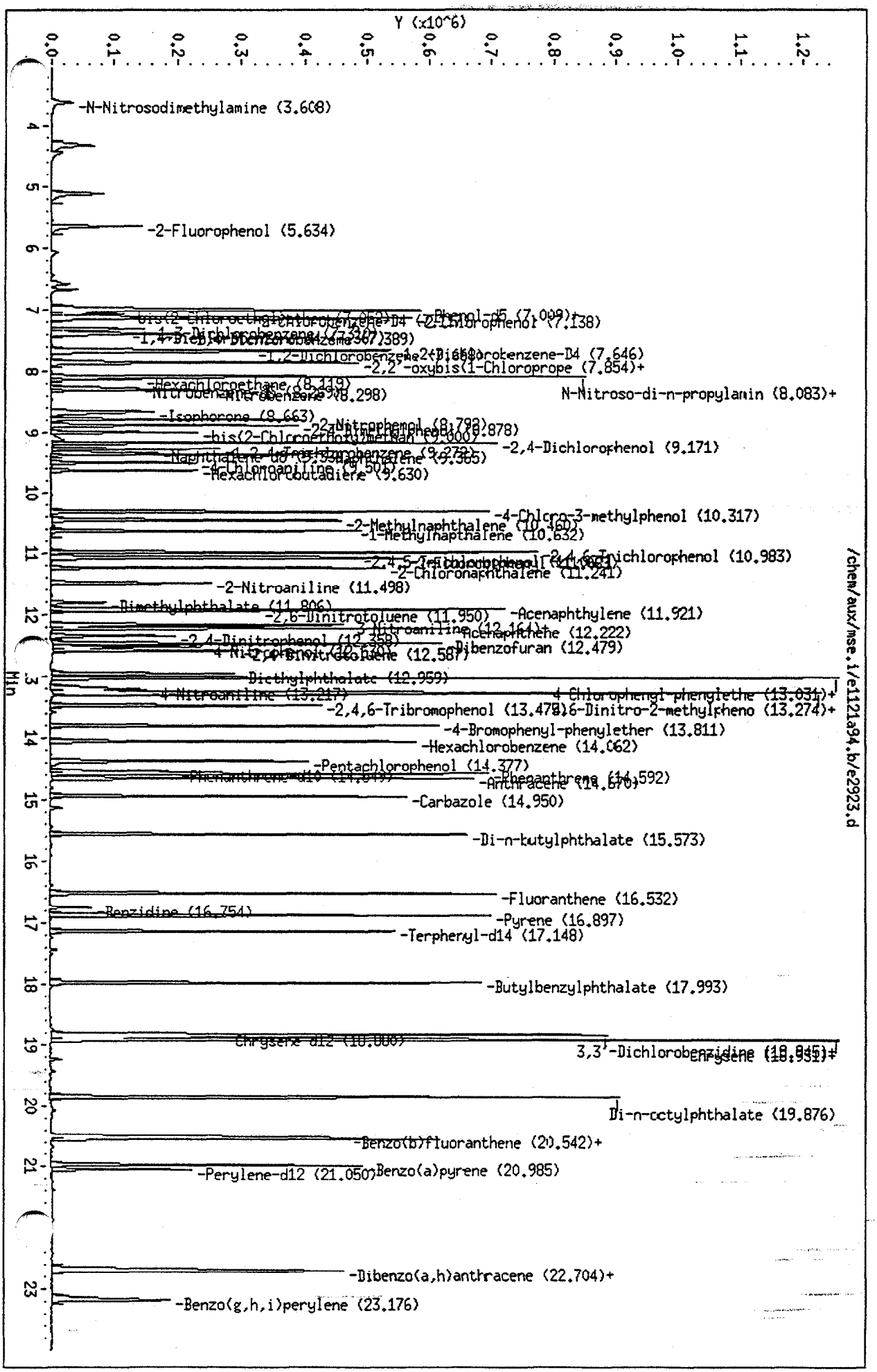
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	110	
100-02-7	4-Nitrophenol	99	
132-64-9	Dibenzofuran	56	
121-14-2	2,4-Dinitrotoluene	51	
84-66-2	Diethylphthalate	29	
7005-72-3	4-Chlorophenyl-phenylether	54	
86-73-7	Fluorene	59	
100-01-6	4-Nitroaniline	49	
534-52-1	4,6-Dinitro-2-methylphenol	130	
101-55-3	4-Bromophenyl-phenylether	65	
86-30-6	N-Nitrosodiphenylamine (1)	67	
118-74-1	Hexachlorobenzene	64	
87-86-5	Pentachlorophenol	170	
85-01-8	Phenanthrene	64	
120-12-7	Anthracene	66	
86-74-8	Carbazole	64	
84-74-2	Di-n-butylphthalate	56	
206-44-0	Fluoranthene	67	
129-00-0	Pyrene	61	
85-68-2	Butylbenzylphthalate	50	
91-94-1	3,3'-Dichlorobenzidine	37	
56-55-3	Benzo(a)anthracene	55	
218-01-9	Chrysene	53	
117-81-7	bis(2-Ethylhexyl)phthalate	61	
117-84-0	Di-n-octylphthalate	66	
205-99-2	Benzo(b)fluoranthene	69	
207-08-9	Benzo(k)fluoranthene	75	
50-32-8	Benzo(a)pyrene	58	
193-39-5	Indeno(1,2,3-cd)pyrene	55	
53-70-3	Dibenz(a,h)anthracene	54	
191-24-2	Benzo(g,h,i)perylene	57	

(1) - Cannot be separated from Diphenylamine



Data File: /chem/aux/mse.i/e1121a94.b/e2923.d
Date : 21-NOV-94 15:52
Instrument : mse.i
Sample ID : sspk01
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

/chem/aux/mse.i/e1121a94.b/e2923.d

Column diameter : 0.25

Data File: /chem/aux/mse.i/e1121a94.b/e2923.d
Report Date: 22-Nov-1994 07:10

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e1121a94.b/e2923.d
Lab. Id. :
Inj Date : 21-NOV-94 15:52
Operator : Tom
Smp Info : method blank spk
Misc Info : n1c41682cs,n1c41682,m1,2,1
Comment :
Method : /chem/aux/mse.i/e1121a94.b/bnaclpe.m
Meth Date : 21-Nov-1994 14:59
Cal Date : 21-NOV-94 13:58
Als bottle: 10
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: mse.i

Cal File: e2921.d

Target Version: Target 3.00
Compound Sublist: all.sub

VSC 11-22-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	I-Nitrosodimethylamine	42.00	3.608	(0.490)	34587	112	56.1
$	3 2-Fluorophenol	112.00	5.634	(0.765)	84672	130	65.2
$	4 Phenol-d5	99.00	6.995	(0.949)	117534	168	83.9(A)
	5 Phenol	94.00	7.009	(0.951)	175246	227	113(A)
	6 bis(2-Chloroethyl)ether	93.00	7.052	(0.957)	71102	105	52.7
$	89 2-Chlorobenzene-D4	132.00	7.117	(0.966)	106782	149	74.7(AQ)
	7 2-Chlorophenol	128.00	7.138	(0.969)	153003	213	106(A)
*	9 1,4-Dichlorobenzene-d4	152.00	7.367	(1.000)	26169	40.0	
$	88 1,2-Dichlorobenzene-D4	152.00	7.646	(1.038)	44446	90.7	45.3(AQ)
	8 1,3-Dichlorobenzene	146.00	7.310	(0.992)	59227	76.4	38.2
	10 1,4-Dichlorobenzene	146.00	7.389	(1.003)	64091	80.0	40.0
	12 1,2-Dichlorobenzene	146.00	7.668	(1.041)	68320	90.6	45.3
	13 2,2'-oxybis(1-Chloropropene)	45.00	7.847	(1.065)	65644	118	59.1
	15 N-Nitroso-di-n-propylamine	70.00	8.083	(1.097)	76183	180	90.0(A)
	11 2-Methylphenol	108.00	7.854	(1.066)	77730	130	64.9
	14 4-Methylphenol	108.00	8.083	(1.097)	104469	164	82.3(A)
	16 Hexachloroethane	117.00	8.119	(1.102)	22897	60.8	30.4
$	17 Nitrobenzene-d5	82.00	8.262	(0.885)	70012	79.1	39.5
	18 Nitrobenzene	77.00	8.298	(0.889)	83214	100	50.1
	19 Isophorone	82.00	8.663	(0.928)	165360	104	51.9
	21 2-Nitrophenol	139.00	8.792	(0.942)	84301	165	82.5(A)
	20 2,4-Dimethylphenol	107.00	8.878	(0.951)	111846	131	65.3
	22 bis(2-Chloroethoxy)methane	93.00	9.000	(0.964)	95598	107	53.6
	23 2,4-Dichlorophenol	162.00	9.179	(0.983)	153980	208	104(A)
	24 1,2,4-Trichlorobenzene	180.00	9.272	(0.993)	65674	84.4	42.2
*	aphthalene-d8	136.00	9.336	(1.000)	106808	40.0	
	26 Naphthalene	128.00	9.365	(1.003)	219560	100	50.1
	27 4-Chloroaniline	127.00	9.501	(1.018)	83258	94.0	47.0
	28 Hexachlorobutadiene	225.00	9.637	(1.032)	34878	63.2	31.6

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	29 4-Chloro-3-methylphenol	107.00	10.317	(1.105)	155793	199	99.4 (A)
	30 2-Methylnaphthalene	142.00	10.460	(1.120)	161475	104	52.2
	31 1-Methylnapthalene	142.00	10.632	(1.139)	155991	110	55.0 (A)
	33 2,4,6-Trichlorophenol	196.00	10.983	(0.903)	124455	205	102 (A)
	34 2,4,5-Trichlorophenol	196.00	11.062	(0.909)	84257	118	59.3
$	35 2-Fluorobiphenyl	172.00	11.083	(0.911)	183864	83.4	41.7
	36 2-Chloronaphthalene	162.00	11.241	(0.924)	179293	98.0	49.0
	37 2-Nitroaniline	65.00	11.498	(0.945)	59746	106	52.8
	38 Dimethylphthalate	163.00	11.806	(0.971)	60914	24.5	12.3
	40 Acenaphthylene	152.00	11.921	(0.980)	315243	115	57.6
	39 2,6-Dinitrotoluene	165.00	11.950	(0.982)	66271	112	56.3
	41 3-Nitroaniline	138.00	12.172	(1.001)	55804	97.0	48.5
*	42 Acenaphthene-d10	164.00	12.164	(1.000)	86604	40.0	
	44 Acenaphthene	153.00	12.222	(1.005)	195001	104	51.9
	43 2,4-Dinitrophenol	184.00	12.358	(1.016)	44111	228	114 (A)
	47 Dibenzofuran	168.00	12.479	(1.026)	296683	111	55.6
	45 4-Nitrophenol	109.00	12.530	(1.030)	71701	199	99.4 (A)
	46 2,4-Dinitrotoluene	165.00	12.587	(1.035)	80800	102	50.9
	48 Diethylphthalate	149.00	12.959	(1.065)	162652	58.0	29.0
	49 4-Chlorophenyl-phenylether	204.00	13.031	(1.071)	134366	108	54.2
	luorene	166.00	13.038	(1.072)	280113	118	58.8
	4-Nitroaniline	138.00	13.217	(1.087)	54135	98.0	49.0
	52 4,6-Dinitro-2-methylphenol	198.00	13.274	(0.912)	94669	253	126 (AQ)
	53 N-Nitrosodiphenylamine	169.00	13.274	(0.912)	191310	134	66.8
$	54 2,4,6-Tribromophenol	330.00	13.475	(1.108)	59369	170	85.1 (A)
	55 4-Bromophenyl-phenylether	248.00	13.811	(0.949)	77198	130	65.2
	56 Hexachlorobenzene	284.00	14.062	(0.967)	92706	128	63.8
	57 Pentachlorophenol	266.00	14.377	(0.988)	59920	333	166 (A)
*	58 Phenanthrene-d10	188.00	14.549	(1.000)	130900	40.0	
	59 Phenanthrene	178.00	14.592	(1.003)	394138	128	64.3
	60 Anthracene	178.00	14.670	(1.008)	393328	132	65.8
	61 Carbazole	167.00	14.950	(1.028)	334148	128	64.2
	62 Di-n-butylphthalate	149.00	15.573	(1.070)	541741	113	56.4
	64 Fluoranthene	202.00	16.532	(1.136)	427515	134	67.0
	63 Benzidine	184.00	16.754	(0.887)	34570	48.6	24.3
	65 Pyrene	202.00	16.897	(0.895)	447628	121	60.6
$	66 Terphenyl-d14	244.00	17.155	(0.909)	217734	82.2	41.1
	67 Butylbenzylphthalate	149.00	17.993	(0.953)	240392	100	50.0
	69 3,3'-Dichlorobenzidine	252.00	18.845	(0.998)	106510	73.6	36.8
	71 Benzo(a)anthracene	228.00	18.852	(0.998)	418224	110	55.1
*	70 Chrysene-d12	240.00	18.880	(1.000)	147303	40.0	
	72 Chrysene	228.00	18.931	(1.003)	346559	106	52.9
	68 bis(2-Ethylhexyl)phthalate	149.00	18.938	(1.003)	447119	122	61.3
	73 Di-n-octylphthalate	149.00	19.876	(0.944)	705671	132	66.2
	74 Benzo(b)fluoranthene	252.00	20.542	(0.976)	470296	138	69.0
	enzo(k)fluoranthene	252.00	20.542	(0.976)	470296	150	75.0
	enzo(a)pyrene	252.00	20.985	(0.997)	315774	116	58.0
*	77 Perylene-d12	264.00	21.057	(1.000)	127214	40.0	
	78 Dibenzo(a,h)anthracene	278.00	22.704	(1.078)	260843	109	54.4

Data File: /chem/aux/mse.i/e1121a94.b/e2923.d
Report Date: 22-Nov-1994 07:10

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
79 Indeno(1,2,3-cd)pyrene	276.00	22.718	(1.079)	324883	111	55.4
80 Benzo(g,h,i)perylene	276.00	23.176	(1.101)	217555	115	57.4

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

00458

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-79

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDU5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4445C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2894

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	370	U
83-32-9	Acenaphthene	370	U

00459
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A01SS-79

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4445C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2894

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

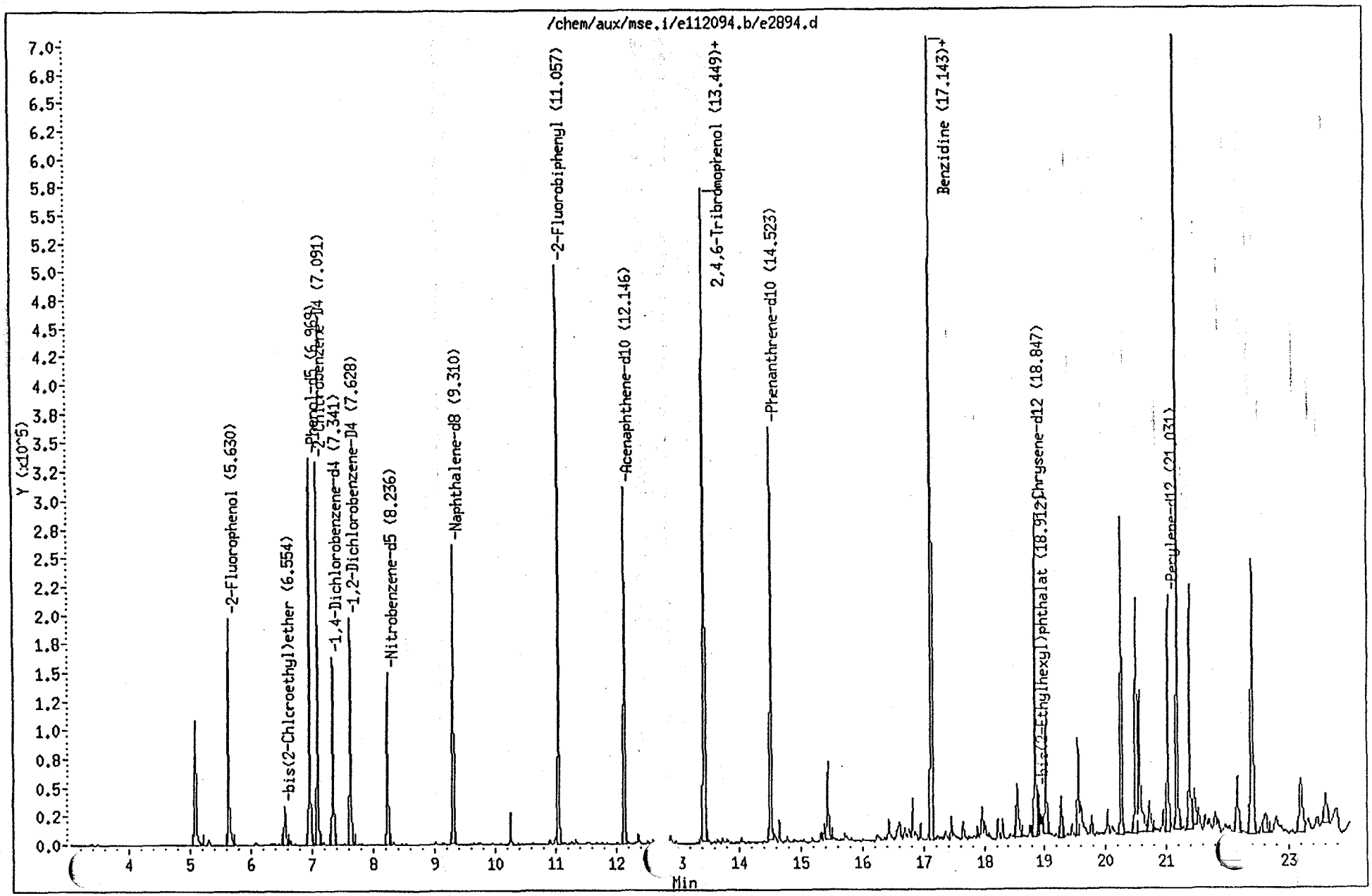
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	370	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
101-55-3	4-Bromophenyl-phenylether	370	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-2	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

Data File: /chem/aux/mse.i/e112094.b/e2894.d
Date : 20-NOV-94 12:34
Instrument : mse.i
Sample ID : a01ss-79
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0



Data File: /chem/aux/mse.i/e112094.b/e2894.d
Report Date: 21-Nov-1994 06:44

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/mse.i/e112094.b/e2894.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 20-NOV-94 12:34
Autotune Date: {
Operator : Tom
Inst ID: mse.i
Smp Info : 15629n a01ss-79
Misc Info : jn4445c,n2c41672,m1,2,1
Comment :
Method : /chem/aux/mse.i/e112094.b/bnaclpe.m
Meth Date : 20-Nov-1994 12:15
Cal Date : 20-NOV-94 11:40
Cal File: e2893.d
Als bottle: 3
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

JH 11-23

		Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$		2-Fluorophenol	112.00	5.630	(0.767)	81290	90.6	45.3
$	4	Phenol-d5	99.00	6.969	(0.949)	115847	121	60.4
	6	bis(2-Chloroethyl)ether	93.00	6.554	(0.893)	11118	12.7	~~6.34(TaQ)~~ MS
$	89	2-Chlorobenzene-D4	132.00	7.091	(0.966)	104396	107	53.3(AQ) S
*	9	1,4-Dichlorobenzene-d4	152.00	7.341	(1.000)	37101	40.0	
$	88	1,2-Dichlorobenzene-D4	152.00	7.628	(1.039)	38031	56.6	28.3(AQ) S
$	17	Nitrobenzene-d5	82.00	8.236	(0.885)	62026	55.9	27.9
*	25	Naphthalene-d8	136.00	9.310	(1.000)	136512	40.0	
$	35	2-Fluorobiphenyl	172.00	11.057	(0.910)	193820	77.5	38.8
*	42	Acenaphthene-d10	164.00	12.146	(1.000)	98486	40.0	
$	54	2,4,6-Tribromophenol	330.00	13.449	(1.107)	80637	195	97.6(A)
	55	4-Bromophenyl-phenylether	248.00	13.449	(0.926)	5070	6.73	~~3.37(TaQ)~~ MS
*	58	Phenanthrene-d10	188.00	14.523	(1.000)	163247	40.0	
	63	Benzidine	184.00	17.143	(0.910)	7556	11.1	~~5.54(TaQ)~~ MS
$	66	Terphenyl-d14	244.00	17.143	(0.910)	277617	102	51.1
*	70	Chrysene-d12	240.00	18.847	(1.000)	149740	40.0	
	68	bis(2-Ethylhexyl)phthalate	149.00	18.912	(1.003)	22497	6.22	3.11(a)
*	77	Perylene-d12	264.00	21.031	(1.000)	113954	40.0	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/mse.i/e112094.b/e2894.d

Date : 20-NOV-94 12:34

Instrument : mse.i

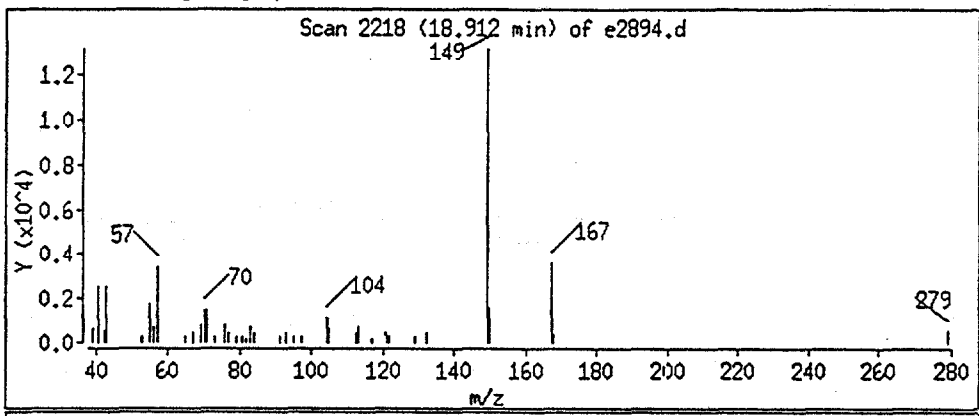
Sample ID : a01ss-79

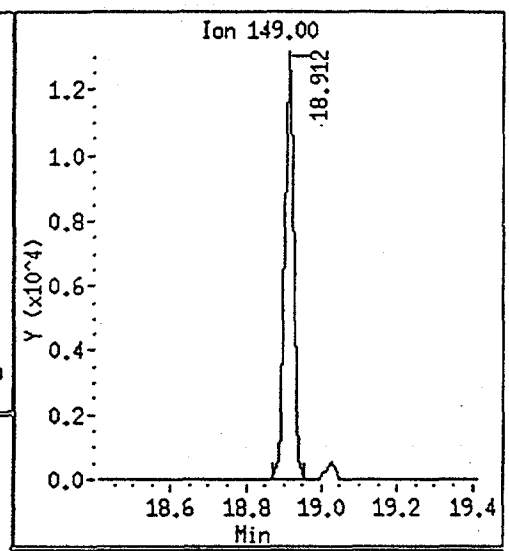
Column phase : J&W DB-5

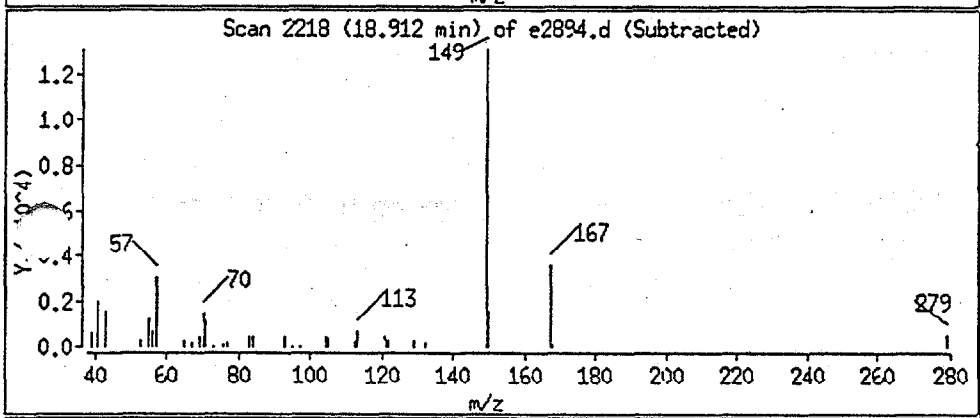
Column diameter : 0.25

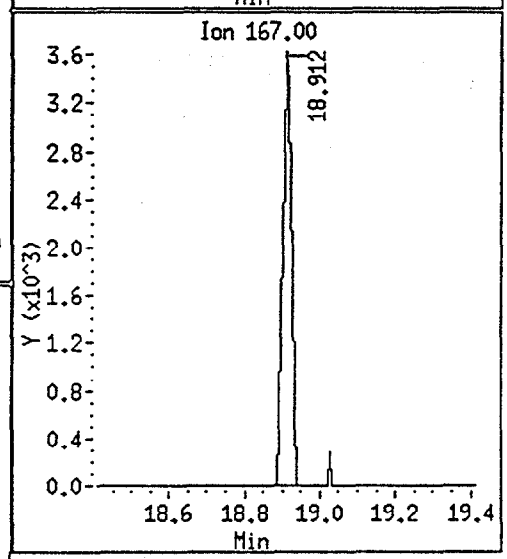
Volume Injected (uL) : 2.0

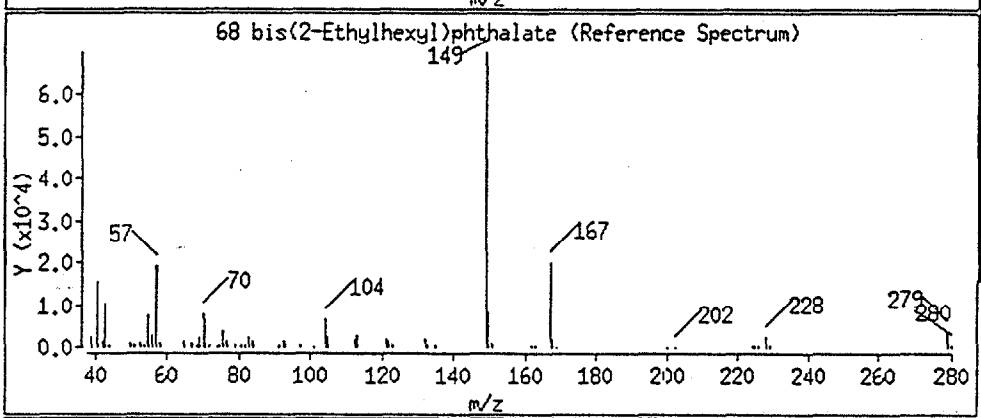
68 bis(2-Ethylhexyl)phthalate

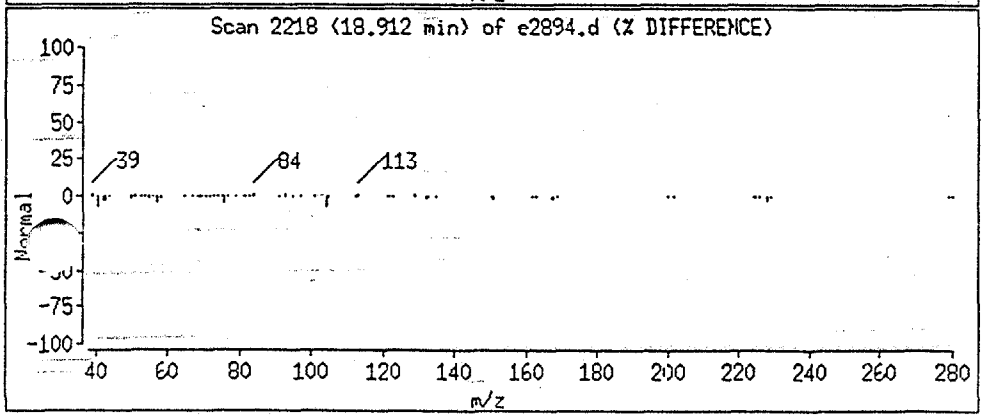












1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-79MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDW5075 ~~A01SS-1~~

Matrix: (soil/water) SOIL Lab Sample ID: JN4445CS

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B4990

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)ether	1000	
95-57-8	2-Chlorophenol	1600	
541-73-1	1,3-Dichlorobenzene	970	
106-46-7	1,4-Dichlorobenzene	990	
95-50-1	1,2-Dichlorobenzene	980	
95-48-7	2-Methylphenol	1100	
108-60-1	2,2'-oxybis(1-Chloropropane)	960	
106-44-5	4-Methylphenol	1200	
621-64-7	N-Nitroso-di-n-propylamine	1200	
67-72-1	Hexachloroethane	920	
98-95-3	Nitrobenzene	990	
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	1600	
105-67-9	2,4-Dimethylphenol	1800	
111-91-1	bis(2-Chloroethoxy)methane	1100	
120-83-2	2,4-Dichlorophenol	1900	
120-82-1	1,2,4-Trichlorobenzene	980	
91-20-3	Naphthalene	1000	
106-47-8	4-Chloroaniline	390	
87-68-3	Hexachlorobutadiene	970	
59-50-7	4-Chloro-3-methylphenol	2200	
91-57-6	2-Methylnaphthalene	1100	
77-47-4	Hexachlorocyclopentadiene	440	
88-06-2	2,4,6-Trichlorophenol	2000	
95-95-4	2,4,5-Trichlorophenol	1400	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1300	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	790	
83-32-9	Acenaphthene	1200	

00464

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-79MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075 ~~A01SS-1~~

Matrix: (soil/water) SOIL Lab Sample ID: JN4445CS

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B4990

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

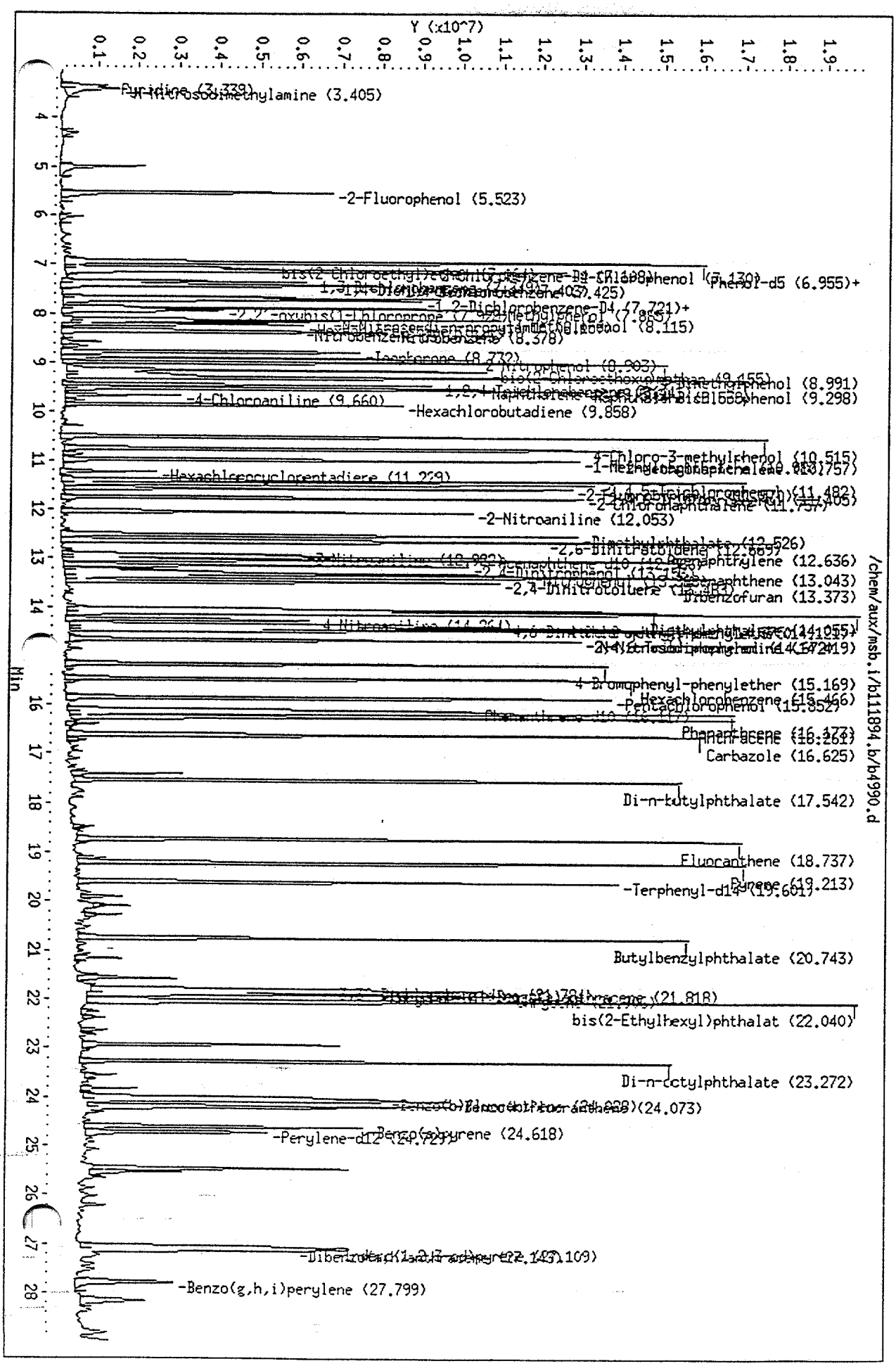
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2800	
100-02-7	4-Nitrophenol	2700	
132-64-9	Dibenzofuran	1300	
121-14-2	2,4-Dinitrotoluene	1500	
84-66-2	Diethylphthalate	1400	
7005-72-3	4-Chlorophenyl-phenylether	1300	
86-73-7	Fluorene	1300	
100-01-6	4-Nitroaniline	1100	
534-52-1	4,6-Dinitro-2-methylphenol	2400	
101-55-3	4-Bromophenyl-phenylether	1500	
86-30-6	N-Nitrosodiphenylamine (1)	1400	
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	3100	
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	1300	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1100	
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	2100	
85-68-2	Butylbenzylphthalate	1700	
91-94-1	3,3'-Dichlorobenzidine	140	J
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	2300	
117-84-0	Di-n-octylphthalate	1600	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenz(a,h)anthracene	1000	
191-24-2	Benzo(g,h,i)perylene	1000	

(1) - Cannot be separated from Diphenylamine

00465



/chem/aux/msb.i/b111894.b/b4990.d

Data File: /chem/aux/msb.i/b111894.b/b4990.d
Date : 18-NOV-94 14:08
Instrument : msb.i
Sample ID : a01ss-79 ms
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25

Data File: /chem/aux/msb.i/b111894.b/b4990.d
Report Date: 20-Nov-1994 11:18

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b111894.b/b4990.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-NOV-94 14:08
Autotune Date: {
Operator : Tom
Inst ID: msb.i
Smp Info : 15629n a01ss-79 ms
Misc Info : jn4445cs,n2c41672,m1,2,1
Comment :
Method : /chem/aux/msb.i/b111894.b/bnaclpa.m
Meth Date : 18-Nov-1994 12:43
Cal Date : 18-NOV-94 12:07
Cal File: b4987.d
Als bottle: 5
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

DH 11-03

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.339	(0.451)	2152367	44.4	22.2
	2 N-Nitrosodimethylamine	42.00	3.405	(0.460)	1304741	48.0	24.0
$	3 2-Fluorophenol	112.00	5.523	(0.746)	4354773	81.2	40.6
$	4 Phenol-d5	99.00	6.944	(0.938)	5996775	88.5	44.2
	5 Phenol	94.00	6.965	(0.941)	6302213	88.2	44.1(Q)
	6 bis(2-Chloroethyl)ether	93.00	7.064	(0.954)	3719292	55.6	27.8
$	7 2-Chlorobenzene-D4	132.00	7.108	(0.960)	4523804	78.7	39.4(A)
	8 2-Chlorophenol	128.00	7.130	(0.963)	5101275	85.3	42.6
	9 1,3-Dichlorobenzene	146.00	7.349	(0.993)	3328504	53.0	26.5
*	10 1,4-Dichlorobenzene-d4	152.00	7.403	(1.000)	2064409	40.0	
	11 1,4-Dichlorobenzene	146.00	7.436	(1.004)	3383545	53.5	26.8
$	12 1,2-Dichlorobenzene-D4	152.00	7.710	(1.041)	1962821	50.4	25.2(A)
	13 1,2-Dichlorobenzene	146.00	7.732	(1.044)	3211944	53.2	26.6
	14 2-Methylphenol	108.00	7.885	(1.065)	3404705	61.9	31.0
	15 2,2'-oxybis(1-Chloropropene)	45.00	7.929	(1.071)	4229440	52.0	26.0
	16 4-Methylphenol	108.00	8.115	(1.096)	3950879	67.6	33.8
	17 N-Nitroso-di-n-propylamine	70.00	8.159	(1.102)	2914273	62.7	31.4
	18 Hexachloroethane	117.00	8.224	(1.111)	1518924	49.9	25.0
$	19 Nitrobenzene-d5	82.00	8.345	(0.878)	3433647	53.4	26.7
	20 Nitrobenzene	77.00	8.378	(0.881)	3716376	53.7	26.8
	21 Isophorone	82.00	8.772	(0.923)	9822046	66.3	33.2
	22 2-Nitrophenol	139.00	8.903	(0.937)	3653114	84.8	42.4
	23 2,4-Dimethylphenol	107.00	8.991	(0.946)	5825044	96.2	48.1
	24 bis(2-Chloroethoxy)methane	93.00	9.155	(0.963)	5507796	60.4	30.2
	25 2,4-Dichlorophenol	162.00	9.298	(0.978)	5889947	105	52.6
	2,2,4-Trichlorobenzene	180.00	9.441	(0.993)	3304569	53.3	26.6
*	27 Naphthalene-d8	136.00	9.506	(1.000)	7787896	40.0	
	28 Naphthalene	128.00	9.539	(1.003)	8937458	55.5	27.8
	29 4-Chloroaniline	127.00	9.660	(1.016)	1582600	21.1	10.5

Data File: /chem/aux/msb.i/b111894.b/b4990.d
Report Date: 20-Nov-1994 11:18

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	30 Hexachlorobutadiene	225.00	9.858	(1.037)	1459020	52.6	26.3
	31 4-Chloro-3-methylphenol	107.00	10.515	(1.106)	7192187	120	59.8
	32 2-Methylnaphthalene	142.00	10.768	(1.133)	6586478	61.9	30.9
	33 1-Methylnaphthalene	142.00	10.987	(1.484)	6816581	72.4	36.2(AQ)
	34 Hexachlorocyclopentadiene	237.00	11.240	(0.867)	798728	23.7	11.9
	35 2,4,6-Trichlorophenol	196.00	11.405	(0.880)	5252599	108	53.9
	36 2,4,5-Trichlorophenol	196.00	11.482	(0.886)	4212397	78.8	39.4
$	37 2-Fluorobiphenyl	172.00	11.570	(0.892)	8094618	61.3	30.7
	38 2-Chloronaphthalene	162.00	11.768	(0.908)	8377667	66.6	33.3
	39 2-Nitroaniline	65.00	12.053	(0.930)	3678965	81.8	40.9
	40 Dimethylphthalate	163.00	12.526	(0.966)	13113309	77.7	38.9
	41 2,6-Dinitrotoluene	165.00	12.669	(0.977)	3318871	79.6	39.8
	42 Acenaphthylene	152.00	12.636	(0.975)	13281005	72.6	36.3
	43 3-Nitroaniline	138.00	12.922	(0.997)	2168622	43.0	21.5(a)
*	44 Acenaphthene-d10	164.00	12.966	(1.000)	5051648	40.0	
	45 Acenaphthene	153.00	13.043	(1.006)	8299147	66.7	33.3
	46 2,4-Dinitrophenol	184.00	13.153	(1.014)	3434074	150	75.0
	47 4-Nitrophenol	109.00	13.318	(1.027)	2837899	145	72.3
	48 Dibenzofuran	168.00	13.384	(1.032)	12745599	72.3	36.1
	49 2,4-Dinitrotoluene	165.00	13.483	(1.040)	5264819	81.2	40.6
	50 Diethylphthalate	149.00	14.055	(1.084)	14788202	78.4	39.2
	51 4-Chlorophenyl-phenylether	204.00	14.132	(1.090)	4694804	70.3	35.1
	52 Fluorene	166.00	14.110	(1.088)	9286583	68.7	34.4
	53 4-Nitroaniline	138.00	14.264	(1.100)	3297404	60.8	30.4
	54 4,6-Dinitro-2-methylphenol	198.00	14.375	(0.892)	4484961	130	65.0(Q)
	55 N-Nitrosodiphenylamine	169.00	14.419	(0.895)	7892071	77.5	38.8
$	56 2,4,6-Tribromophenol	330.00	14.672	(1.132)	3000680	124	62.2
	57 4-Bromophenyl-phenylether	248.00	15.169	(0.942)	3605064	81.6	40.8
	58 Hexachlorobenzene	284.00	15.466	(0.960)	4454528	75.8	37.9
	59 Pentachlorophenol	266.00	15.852	(0.984)	3544313	168	83.9(A)
*	60 Phenanthrene-d10	188.00	16.106	(1.000)	8993964	40.0	
	61 Phenanthrene	178.00	16.173	(1.004)	15345330	70.8	35.4
	62 Anthracene	178.00	16.261	(1.010)	15310316	71.5	35.7
	63 Carbazole	167.00	16.625	(1.032)	15975497	75.3	37.6
	64 Di-n-butylphthalate	149.00	17.542	(1.089)	19898952	58.6	29.3
	65 Fluoranthene	202.00	18.737	(1.163)	16902545	70.7	35.4
	67 Pyrene	202.00	19.213	(0.879)	17098284	113	56.3
$	68 Terphenyl-d14	244.00	19.601	(0.897)	9586919	99.5	49.8
	69 Butylbenzylphthalate	149.00	20.743	(0.949)	9581109	90.2	45.1
	70 Benzo(a)anthracene	228.00	21.807	(0.998)	9503246	93.6	46.8
*	71 Chrysene-d12	240.00	21.851	(1.000)	4564101	40.0	
	72 3,3'-Dichlorobenzidine	252.00	21.784	(0.997)	358803	7.76	3.88(a)
	73 Chrysene	228.00	21.918	(1.003)	8127125	85.1	42.5
	74 bis(2-Ethylhexyl)phthalate	149.00	22.051	(1.009)	17951212	126	63.0
	75 Di-n-octylphthalate	149.00	23.283	(0.942)	16738174	84.8	42.4
	76 Benzo(b)fluoranthene	252.00	24.028	(0.972)	7802775	84.0	42.0
	77 Benzo(k)fluoranthene	252.00	24.073	(0.973)	8054875	84.8	42.4
	78 Benzo(a)pyrene	252.00	24.629	(0.996)	6275730	76.7	38.4
*	79 Perylene-d12	264.00	24.729	(1.000)	3359404	40.0	

Data File: /chem/aux/msb.i/b111894.b/b4990.d
Report Date: 20-Nov-1994 11:18

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
80 Indeno(1,2,3-cd)pyrene	276.00	27.109	(1.096)	4338156	57.9	28.9
81 Dibenzo(a,h)anthracene	278.00	27.143	(1.098)	3398510	54.5	27.2
82 Benzo(g,h,i)perylene	276.00	27.799	(1.124)	3036782	55.0	27.5

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-79MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NPESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4445CR

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B4991

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	
111-44-4	bis(2-Chloroethyl)ether	1300	
95-57-8	2-Chlorophenol	1900	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1100	
95-50-1	1,2-Dichlorobenzene	1100	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	
106-44-5	4-Methylphenol	1400	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1000	
98-95-3	Nitrobenzene	1200	
78-59-1	Isophorone	1400	
88-75-5	2-Nitrophenol	1900	
105-67-9	2,4-Dimethylphenol	1900	
111-91-1	bis(2-Chloroethoxy)methane	1300	
120-83-2	2,4-Dichlorophenol	2000	
120-82-1	1,2,4-Trichlorobenzene	1200	
91-20-3	Naphthalene	1200	
106-47-8	4-Chloroaniline	420	
87-68-3	Hexachlorobutadiene	1200	
59-50-7	4-Chloro-3-methylphenol	2200	
91-57-6	2-Methylnaphthalene	1200	
77-47-4	Hexachlorocyclopentadiene	330	J
88-06-2	2,4,6-Trichlorophenol	2000	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1300	
88-74-4	2-Nitroaniline	1600	
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1400	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	890	
83-32-9	Acenaphthene	1300	

00470

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A01SS-79MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4445CR

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B4991

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

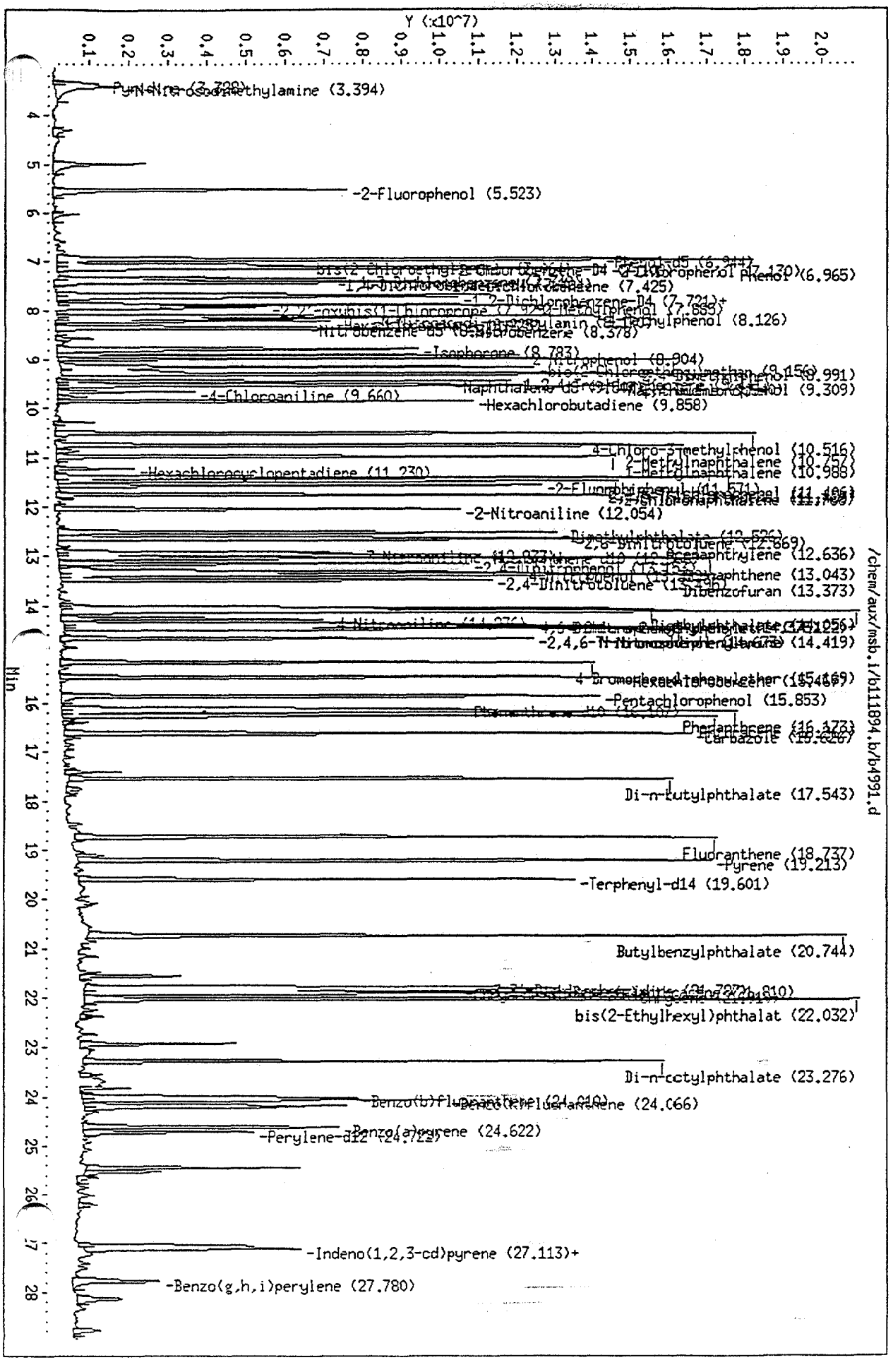
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2900	
100-02-7	4-Nitrophenol	2700	
132-64-9	Dibenzofuran	1400	
121-14-2	2,4-Dinitrotoluene	1500	
84-66-2	Diethylphthalate	1400	
7005-72-3	4-Chlorophenyl-phenylether	1300	
86-73-7	Fluorene	1300	
100-01-6	4-Nitroaniline	1300	
534-52-1	4,6-Dinitro-2-methylphenol	2500	
101-55-3	4-Bromophenyl-phenylether	1500	
86-30-6	N-Nitrosodiphenylamine (1)	1400	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	3100	
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	1300	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1000	
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1600	
85-68-2	Butylbenzylphthalate	1600	
91-94-1	3,3'-Dichlorobenzidine	230	J
56-55-3	Benzo(a)anthracene	1600	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1600	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	960	
53-70-3	Dibenz(a,h)anthracene	950	
191-24-2	Benzo(g,h,i)perylene	900	

(1) - Cannot be separated from Diphenylamine

00471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Date : 18-NOV-94 14:47
Instrument : msb.i
Sample ID : a01ss-79 msd
Column phase : J&W DB-5
Volume Injected (uL) : 2.0
Column diameter : 0.25
/chem/aux/msb.i/b111894.b/b4991.d
Y (x10^7)
Min
N-Nitrosodimethylamine (3.394)
-2-Fluorophenol (5.523)
Phenol (6.965)
-1,2-Dichlorobenzene-D4 (7.721)+
-2-Methylphenol (8.126)
-Isophorone (8.783)
-4-Chloroaniline (9.660)
-Hexachlorobutadiene (9.858)
4-Chloro-3-methylphenol (10.516)
2-Methylnaphthalene (10.757)
1-Methylnaphthalene (10.988)
-Hexachlorocyclopentadiene (11.230)
-2-Nitroaniline (12.054)
Acenaphthylene (12.636)
Acenaphthene (13.043)
-2,4-Dinitrotoluene (13.284)
Dibenzofuran (13.373)
-2,4,6-Tribromophenol (14.419)
-Pentachlorophenol (15.853)
Phenanthrene (16.173)
Carbazole (16.226)
Di-n-butylphthalate (17.543)
Fluoranthene (18.737)
-Pyrene (19.213)
-Terphenyl-d14 (19.601)
Butylbenzylphthalate (20.744)
bis(2-Ethylhexyl)phthalat (22.032)
Di-n-octylphthalate (23.276)
Benzo(b)fluoranthene (24.066)
-Perylene-d12 (24.722)
Benzo(a)pyrene (24.622)
-Indeno(1,2,3-cd)pyrene (27.113)+
-Benzo(g,h,i)perylene (27.780)

Data File: /chem/aux/msb.i/b111894.b/b4991.d
Report Date: 20-Nov-1994 11:19

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b111894.b/b4991.d
Lab. Id. : Quant Type: ISTD
Inj Date : 18-NOV-94 14:47 Autotune Date: {
Operator : Tom Inst ID: msb.i
Smp Info : 15629n a01ss-79 msd
Misc Info : jn4445cr,n2c41672,m1,2,1
Comment :
Method : /chem/aux/msb.i/b111894.b/bnaclpa.m
Meth Date : 18-Nov-1994 12:43
Cal Date : 18-NOV-94 12:07 Cal File: b4987.d
Als bottle: 6
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

11-23

		Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
		Pyridine	79.00	3.328	(0.450)	2346954	45.0	22.5
	2	N-Nitrosodimethylamine	42.00	3.394	(0.458)	1743705	59.7	29.8
$	3	2-Fluorophenol	112.00	5.523	(0.746)	5003430	86.7	43.4
$	4	Phenol-d5	99.00	6.944	(0.938)	6415490	88.0	44.0
	5	Phenol	94.00	6.965	(0.941)	7799812	101	50.7(Q)
	6	bis(2-Chloroethyl)ether	93.00	7.064	(0.954)	5109702	71.0	35.5
$	7	2-Chlorobenzene-D4	132.00	7.108	(0.960)	5076764	82.2	41.1(A)
	8	2-Chlorophenol	128.00	7.141	(0.965)	6516790	101	50.6
	9	1,3-Dichlorobenzene	146.00	7.349	(0.993)	4334445	64.1	32.1
*	10	1,4-Dichlorobenzene-d4	152.00	7.404	(1.000)	2219915	40.0	
	11	1,4-Dichlorobenzene	146.00	7.436	(1.004)	4138700	60.9	30.4
$	12	1,2-Dichlorobenzene-D4	152.00	7.710	(1.041)	2118153	50.6	25.3(A)
	13	1,2-Dichlorobenzene	146.00	7.732	(1.044)	4061205	62.5	31.2
	14	2-Methylphenol	108.00	7.885	(1.065)	4267833	72.2	36.1
	15	2,2'-oxybis(1-Chloropropene)	45.00	7.929	(1.071)	5642314	64.4	32.2
	16	4-Methylphenol	108.00	8.126	(1.098)	4630003	73.7	36.9
	17	N-Nitroso-di-n-propylamine	70.00	8.170	(1.103)	3809834	76.2	38.1
	18	Hexachloroethane	117.00	8.225	(1.111)	1826248	55.8	27.9
$	19	Nitrobenzene-d5	82.00	8.345	(0.878)	3923991	56.7	28.4
	20	Nitrobenzene	77.00	8.378	(0.881)	4931159	66.2	33.1
	21	Isophorone	82.00	8.783	(0.924)	12148054	76.2	38.1
	22	2-Nitrophenol	139.00	8.915	(0.938)	4799762	104	51.8
	23	2,4-Dimethylphenol	107.00	8.991	(0.946)	6897805	105	52.9
	24	bis(2-Chloroethoxy)methane	93.00	9.156	(0.963)	7131902	72.7	36.4
	25	2,4-Dichlorophenol	162.00	9.309	(0.979)	6460321	107	53.7
		1,2,4-Trichlorobenzene	180.00	9.441	(0.993)	4237251	63.5	31.8
*	27	Naphthalene-d8	136.00	9.507	(1.000)	8378639	40.0	
	28	Naphthalene	128.00	9.540	(1.003)	10924026	62.7	31.4
	29	4-Chloroaniline	127.00	9.660	(1.016)	1971351	22.9	11.5

Data File: /chem/aux/msb.i/b111894.b/b4991.d
Report Date: 20-Nov-1994 11:19

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	30 Hexachlorobutadiene	225.00	9.858	(1.037)	1897761	63.6	31.8
	31 4-Chloro-3-methylphenol	107.00	10.516	(1.106)	7858519	122	60.8
	32 2-Methylnaphthalene	142.00	10.768	(1.133)	7377030	64.4	32.2
	33 1-Methylnaphthalene	142.00	10.988	(1.484)	7904802	78.1	39.0(AQ)
	34 Hexachlorocyclopentadiene	237.00	11.230	(0.866)	646783	18.2	9.09(a)
	35 2,4,6-Trichlorophenol	196.00	11.406	(0.880)	5704074	111	55.4
	36 2,4,5-Trichlorophenol	196.00	11.483	(0.886)	4587972	81.2	40.6
$	37 2-Fluorobiphenyl	172.00	11.571	(0.892)	8077240	57.9	29.0
	38 2-Chloronaphthalene	162.00	11.768	(0.908)	9466361	71.2	35.6
	39 2-Nitroaniline	65.00	12.054	(0.930)	4069063	85.6	42.8
	40 Dimethylphthalate	163.00	12.537	(0.967)	14397770	80.8	40.4
	41 2,6-Dinitrotoluene	165.00	12.669	(0.977)	3718772	84.4	42.2
	42 Acenaphthylene	152.00	12.636	(0.975)	14542345	75.2	37.6
	43 3-Nitroaniline	138.00	12.933	(0.997)	2589076	48.6	24.3(a)
*	44 Acenaphthene-d10	164.00	12.966	(1.000)	5337208	40.0	
	45 Acenaphthene	153.00	13.043	(1.006)	9091277	69.1	34.6
	46 2,4-Dinitrophenol	184.00	13.153	(1.014)	3801604	157	78.5
	47 4-Nitrophenol	109.00	13.329	(1.028)	3033337	146	73.2
	48 Dibenzofuran	168.00	13.384	(1.032)	14049849	75.4	37.7
	49 2,4-Dinitrotoluene	165.00	13.495	(1.041)	5787197	84.4	42.2
	50 Diethylphthalate	149.00	14.056	(1.084)	15748893	79.0	39.5
	51 4-Chlorophenyl-phenylether	204.00	14.133	(1.090)	5026570	71.2	35.6
	52 Fluorene	166.00	14.111	(1.088)	9940761	69.6	34.8
	53 4-Nitroaniline	138.00	14.276	(1.101)	3937309	68.7	34.4
	54 4,6-Dinitro-2-methylphenol	198.00	14.375	(0.892)	4914259	134	67.1(Q)
	55 N-Nitrosodiphenylamine	169.00	14.419	(0.895)	8514553	78.8	39.4
$	56 2,4,6-Tribromophenol	330.00	14.673	(1.132)	2668537	105	52.3
	57 4-Bromophenyl-phenylether	248.00	15.169	(0.942)	3853604	82.2	41.1
	58 Hexachlorobenzene	284.00	15.467	(0.960)	4939588	79.2	39.6
	59 Pentachlorophenol	266.00	15.864	(0.985)	3740470	167	83.4(A)
*	60 Phenanthrene-d10	188.00	16.107	(1.000)	9543279	40.0	
	61 Phenanthrene	178.00	16.173	(1.004)	16029526	69.6	34.8
	62 Anthracene	178.00	16.262	(1.010)	16393462	72.1	36.1
	63 Carbazole	167.00	16.626	(1.032)	16957521	75.3	37.7
	64 Di-n-butylphthalate	149.00	17.543	(1.089)	20380368	56.6	28.3
	65 Fluoranthene	202.00	18.737	(1.163)	17973436	70.9	35.4
	67 Pyrene	202.00	19.213	(0.879)	18257000	85.7	42.9
$	68 Terphenyl-d14	244.00	19.601	(0.897)	9161083	67.8	33.9
	69 Butylbenzylphthalate	149.00	20.744	(0.949)	12621423	84.7	42.4
	70 Benzo(a)anthracene	228.00	21.810	(0.998)	12770541	89.6	44.8
*	71 Chrysene-d12	240.00	21.854	(1.000)	6403410	40.0	
	72 3,3'-Dichlorobenzidine	252.00	21.787	(0.997)	803596	12.4	6.19(a)
	73 Chrysene	228.00	21.910	(1.003)	10816380	80.7	40.4
	74 bis(2-Ethylhexyl)phthalate	149.00	22.032	(1.008)	16524415	82.6	41.3
	75 Di-n-octylphthalate	149.00	23.276	(0.942)	17404248	89.3	44.6
	76 Benzo(b)fluoranthene	252.00	24.010	(0.971)	8475611	92.4	46.2
	77 Benzo(k)fluoranthene	252.00	24.066	(0.973)	7255758	77.2	38.6
	78 Benzo(a)pyrene	252.00	24.622	(0.996)	5943885	73.6	36.8
*	79 Perylene-d12	264.00	24.722	(1.000)	3317193	40.0	

Data File: /chem/aux/msb.i/b111894.b/b4991.d
Report Date: 20-Nov-1994 11:19

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
80 Indeno(1,2,3-cd)pyrene	276.00	27.102	(1.096)	3880166	52.4	26.2
81 Dibenzo(a,h)anthracene	278.00	27.124	(1.097)	3194436	51.9	25.9
82 Benzo(g,h,i)perylene	276.00	27.769	(1.123)	2696557	49.3	24.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

00475

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2C41672CS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4989

Level: (low/med) LOW Date Received:

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1700	
111-44-4	bis(2-Chloroethyl)ether	1400	
95-57-8	2-Chlorophenol	1800	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1200	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1200	
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	
106-44-5	4-Methylphenol	1200	
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1300	
88-75-5	2-Nitrophenol	1900	
105-67-9	2,4-Dimethylphenol	1500	
111-91-1	bis(2-Chloroethoxy)methane	1300	
120-83-2	2,4-Dichlorophenol	1800	
120-82-1	1,2,4-Trichlorobenzene	1200	
91-20-3	Naphthalene	1200	
106-47-8	4-Chloroaniline	280	J
87-68-3	Hexachlorobutadiene	1300	
59-50-7	4-Chloro-3-methylphenol	2000	
91-57-6	2-Methylnaphthalene	1100	
77-47-4	Hexachlorocyclopentadiene	170	J
88-06-2	2,4,6-Trichlorophenol	1800	
95-95-4	2,4,5-Trichlorophenol	1300	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1400	
131-11-3	Dimethylphthalate	1300	
208-96-8	Acenaphthylene	1200	
606-20-2	2,6-Dinitrotoluene	1400	
99-09-2	3-Nitroaniline	740	
83-32-9	Acenaphthene	1200	

00476
EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NPESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: ~~A01SS-1~~ CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2C41672CS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4989

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

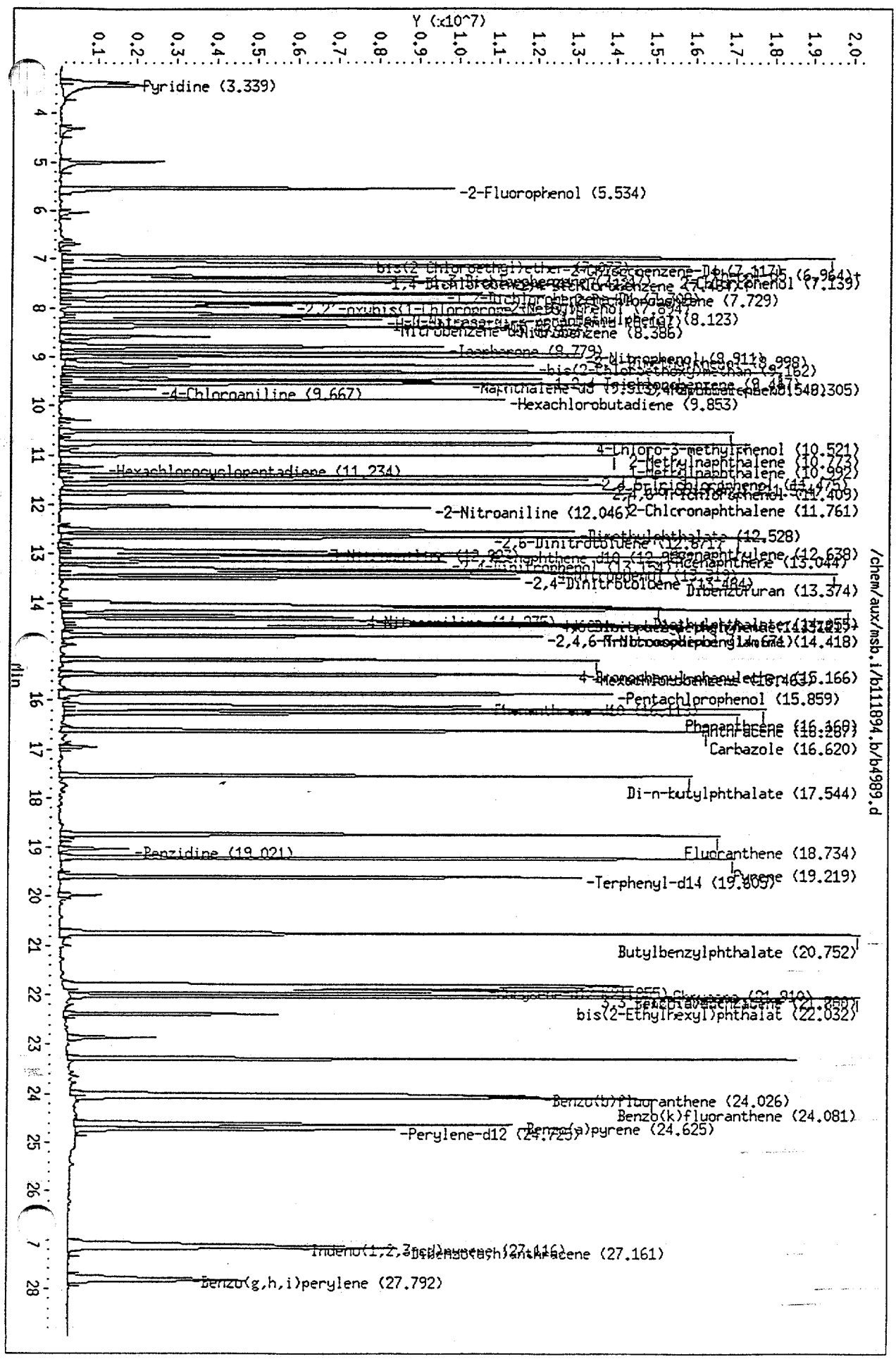
Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2600	
100-02-7	4-Nitrophenol	2400	
132-64-9	Dibenzofuran	1200	
121-14-2	2,4-Dinitrotoluene	1400	
84-66-2	Diethylphthalate	1400	
7005-72-3	4-Chlorophenyl-phenylether	1200	
86-73-7	Fluorene	1200	
100-01-6	4-Nitroaniline	1300	
534-52-1	4,6-Dinitro-2-methylphenol	2400	
101-55-3	4-Bromophenyl-phenylether	1300	
86-30-6	N-Nitrosodiphenylamine (1)	1300	
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	2900	
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	1200	
86-74-8	Carbazole	1300	
84-74-2	Di-n-butylphthalate	990	
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1300	
85-68-2	Butylbenzylphthalate	1300	
91-94-1	3,3'-Dichlorobenzidine	450	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	1200	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	670	
53-70-3	Dibenz(a,h)anthracene	950	
191-24-2	Benzo(g,h,i)perylene	420	

(1) - Cannot be separated from Diphenylamine

00477



Data File: /chem/aux/msb.i/b111894.b/b4989.d
Date : 18-NOV-94 13:30
Instrument ; msb.i
Sample ID : sblk01 bs
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

/chem/aux/msb.i/b111894.b/b4989.d

Column diameter : 0.25

Data File: /chem/aux/msb.i/b111894.b/b4989.d
Report Date: 20-Nov-1994 11:17

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b111894.b/b4989.d
Lab. Id. : Quant Type: ISTD
Inj Date : 18-NOV-94 13:30 Autotune Date: {
Operator : Tom Inst ID: msb.i
Smp Info : method blank spk
Misc Info : n2c41672cs,n2c41672,m1,2,1
Comment :
Method : /chem/aux/msb.i/b111894.b/bnaclpa.m
Meth Date : 18-Nov-1994 12:43
Cal Date : 18-NOV-94 12:07 Cal File: b4987.d
Als bottle: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	Pyridine	79.00	3.339	(0.450)	3184427	64.2	32.1
$	2-Fluorophenol	112.00	5.534	(0.747)	6159741	112	56.1
$ 4	Phenol-d5	99.00	6.953	(0.938)	7047131	102	50.8
5	Phenol	94.00	6.975	(0.941)	7595133	104	51.9(Q)
6	bis(2-Chloroethyl)ether	93.00	7.073	(0.954)	5646610	82.4	41.2
$ 7	2-Chlorobenzene-D4	132.00	7.117	(0.960)	6017872	102	51.1(AR)
8	2-Chlorophenol	128.00	7.139	(0.963)	6792713	111	55.4
9	1,3-Dichlorobenzene	146.00	7.347	(0.991)	4878777	75.8	37.9
* 10	1,4-Dichlorobenzene-d4	152.00	7.412	(1.000)	2113394	40.0	
11	1,4-Dichlorobenzene	146.00	7.434	(1.003)	4801670	74.2	37.1
$ 12	1,2-Dichlorobenzene-D4	152.00	7.708	(1.040)	2627912	65.9	33.0(AR)
13	1,2-Dichlorobenzene	146.00	7.740	(1.044)	4445575	71.9	35.9
14	2-Methylphenol	108.00	7.894	(1.065)	4130167	73.4	36.7
15	2,2'-oxybis(1-Chloropropene)	45.00	7.937	(1.071)	6296019	75.5	37.8
16	4-Methylphenol	108.00	8.134	(1.097)	4463950	74.7	37.3
17	N-Nitroso-di-n-propylamine	70.00	8.167	(1.102)	3844132	80.8	40.4
18	Hexachloroethane	117.00	8.233	(1.111)	2343552	75.2	37.6
$ 19	Nitrobenzene-d5	82.00	8.353	(0.878)	4662275	72.6	36.3
20	Nitrobenzene	77.00	8.386	(0.881)	5208326	75.4	37.7
21	Isophorone	82.00	8.779	(0.923)	11586556	78.3	39.2
22	2-Nitrophenol	139.00	8.911	(0.937)	4926623	114	57.2
23	2,4-Dimethylphenol	107.00	8.998	(0.946)	5426447	89.7	44.8
24	bis(2-Chloroethoxy)methane	93.00	9.162	(0.963)	7198975	79.0	39.5
25	2,4-Dichlorophenol	162.00	9.305	(0.978)	6182520	111	55.3
26	1,2,4-Trichlorobenzene	180.00	9.447	(0.993)	4480522	72.3	36.2
*	Naphthalene-d8	136.00	9.513	(1.000)	7780420	40.0	
	Naphthalene	128.00	9.546	(1.003)	11153985	69.0	34.5
29	4-Chloroaniline	127.00	9.667	(1.016)	1347472	16.9	8.44(a)
30	Hexachlorobutadiene	225.00	9.853	(1.036)	2215838	79.9	40.0

Data File: /chem/aux/msb.i/b111894.b/b4989.d
Report Date: 20-Nov-1994 11:17

			QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	31	4-Chloro-3-methylphenol	107.00	10.521	(1.106)	7070046	118	58.9
	32	2-Methylnaphthalene	142.00	10.773	(1.132)	7172464	67.4	33.7
	33	1-Methylnaphthalene	142.00	10.992	(1.483)	7664581	79.5	39.8(AQ)
	34	Hexachlorocyclopentadiene	237.00	11.234	(0.866)	337500	10.2	5.10(a)
	35	2,4,6-Trichlorophenol	196.00	11.409	(0.880)	5206317	109	54.4
	36	2,4,5-Trichlorophenol	196.00	11.475	(0.885)	4085947	77.8	38.9
$	37	2-Fluorobiphenyl	172.00	11.574	(0.893)	8499745	65.5	32.8
	38	2-Chloronaphthalene	162.00	11.761	(0.907)	8932680	72.3	36.1
	39	2-Nitroaniline	65.00	12.046	(0.929)	3592715	81.3	40.6
	40	Dimethylphthalate	163.00	12.528	(0.966)	13242881	79.9	39.9
	41	2,6-Dinitrotoluene	165.00	12.671	(0.977)	3355383	81.9	40.9
	42	Acenaphthylene	152.00	12.638	(0.975)	13223875	73.5	36.8
	43	3-Nitroaniline	138.00	12.923	(0.997)	2200769	44.4	22.2(a)
*	44	Acenaphthene-d10	164.00	12.967	(1.000)	4963373	40.0	
	45	Acenaphthene	153.00	13.044	(1.006)	8478855	69.3	34.6
	46	2,4-Dinitrophenol	184.00	13.154	(1.014)	3528605	157	78.4
	47	4-Nitrophenol	109.00	13.319	(1.027)	2794028	145	72.5
	48	Dibenzofuran	168.00	13.385	(1.032)	12357015	71.3	35.6
	49	2,4-Dinitrotoluene	165.00	13.484	(1.040)	5495394	86.2	43.1
	50	Diethylphthalate	149.00	14.055	(1.084)	15144726	81.7	40.9
		4-Chlorophenyl-phenylether	204.00	14.132	(1.090)	4726094	72.0	36.0
	52	Fluorene	166.00	14.110	(1.088)	9327171	70.3	35.1
	53	4-Nitroaniline	138.00	14.275	(1.101)	4262332	80.0	40.0
	54	4,6-Dinitro-2-methylphenol	198.00	14.374	(0.892)	4935032	142	71.3(Q)
	55	N-Nitrosodiphenylamine	169.00	14.418	(0.895)	7910735	77.4	38.7
$	56	2,4,6-Tribromophenol	330.00	14.671	(1.131)	2736826	115	57.7
	57	4-Bromophenyl-phenylether	248.00	15.166	(0.941)	3532121	79.6	39.8
	58	Hexachlorobenzene	284.00	15.474	(0.960)	4801904	81.4	40.7
	59	Pentachlorophenol	266.00	15.859	(0.984)	3694254	174	87.1(A)
*	60	Phenanthrene-d10	188.00	16.113	(1.000)	9026915	40.0	
	61	Phenanthrene	178.00	16.168	(1.003)	15529104	71.3	35.7
	62	Anthracene	178.00	16.267	(1.010)	15757606	73.3	36.6
	63	Carbazole	167.00	16.620	(1.031)	16554825	77.8	38.9
	64	Di-n-butylphthalate	149.00	17.544	(1.089)	20330896	59.6	29.8
	65	Fluoranthene	202.00	18.745	(1.163)	17507824	73.0	36.5
	66	Benzidine	184.00	19.021	(0.870)	1246431	23.1	11.5
	67	Pyrene	202.00	19.219	(0.879)	17942109	78.6	39.3
$	68	Terphenyl-d14	244.00	19.605	(0.897)	9927208	68.5	34.3
	69	Butylbenzylphthalate	149.00	20.752	(0.950)	12855260	80.5	40.2
	70	Benzo(a)anthracene	228.00	21.811	(0.998)	13027269	85.3	42.6
*	71	Chrysene-d12	240.00	21.855	(1.000)	6863622	40.0	
	72	3,3'-Dichlorobenzidine	252.00	21.789	(0.997)	1868020	26.8	13.4
	73	Chrysene	228.00	21.921	(1.003)	12082597	84.1	42.0
	74	bis(2-Ethylhexyl)phthalate	149.00	22.032	(1.008)	15718561	73.3	36.6
	76	Benzo(b)fluoranthene	252.00	24.026	(0.972)	11560081	68.1	34.1
		Benzo(k)fluoranthene	252.00	24.081	(0.974)	12775296	73.5	36.8
		Benzo(a)pyrene	252.00	24.636	(0.996)	10796282	72.3	36.1
*	79	Perylene-d12	264.00	24.725	(1.000)	6133259	40.0	
	80	Indeno(1,2,3-cd)pyrene	276.00	27.116	(1.097)	5497292	40.2	20.1(Q)

Data File: /chem/aux/msb.i/b111894.b/b4989.d
Report Date: 20-Nov-1994 11:17

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
81 Dibenzo(a,h)anthracene	278.00	27.172	(1.099)	6526711	57.3	28.6
82 Benzo(g,h,i)perylene	276.00	27.792	(1.124)	2533986	25.1	12.6(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Southern Region (Morrisville, NC)

VOLUME III OF III

Attn: Kent Geis

Project: 15226N - NEESA; Camp LeJeune, Jacksonville, NC

Sample(s): CLJDWS102, CLJDWS151 and CLJDWS075

Sample Type(s): Liquid, Organic and Solid

Analysis Performed: Tier II - Conventionals, Metals and Organics

Date Sample Received: November 10, 1994

Date Order Received: November 10, 1994

Joblink(s): 617061

Reviewed and Approved by: *Thomas E. Gran, Ph.D., Vice President*

Date: *May 12, 1995*

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

00481
EPA SAMPLE NO.

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15236N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743P

Sample wt/vol: 2.84 (g/mL) G Lab File ID: ^Z7461

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3580 Date Extracted: 11/14/94

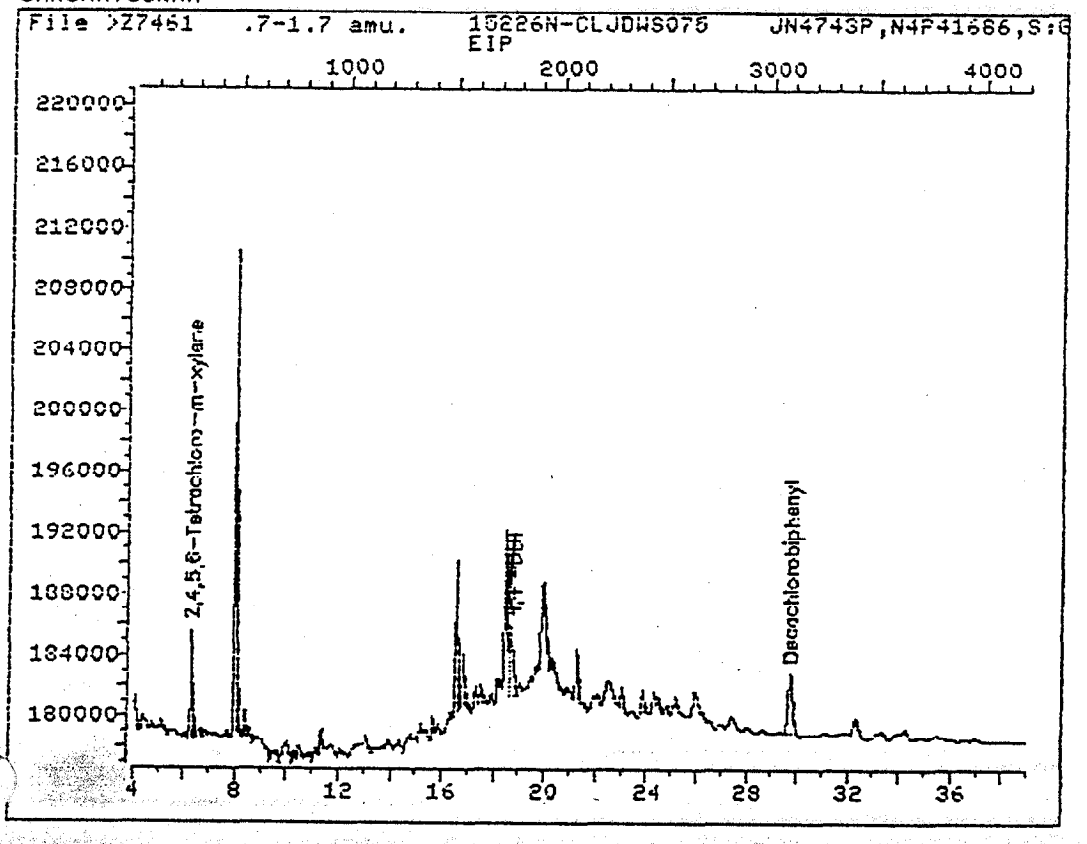
Concentrated Extract Volume: 6000 (uL) Date Analyzed: 11/18/94

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1100	U
319-85-7	beta-BHC	1100	U
319-86-8	delta-BHC	1100	U
58-89-9	gamma-BHC (Lindane)	1100	U
76-44-8	Heptachlor	1100	U
309-00-2	Aldrin	1100	U
1024-57-3	Heptachlor epoxide	1100	U
959-98-8	Endosulfan I	1100	U
60-57-1	Dieldrin	1100	U
72-55-9	4,4'-DDE	1100	U
72-20-8	Endrin	1100	U
33213-65-9	Endosulfan II	1100	U
72-54-8	4,4'-DDD	1100	U
1031-07-8	Endosulfan sulfate	1100	U
50-29-3	4,4'-DDT	1100	U
72-43-5	Methoxychlor	1100	U
53494-70-5	Endrin ketone	1100	U
7421-93-4	Endrin aldehyde	1100	U
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor-1016	11000	U
11104-28-2	Aroclor-1221	11000	U
11141-16-5	Aroclor-1232	11000	U
53469-21-9	Aroclor-1242	11000	U
12672-29-6	Aroclor-1248	11000	U
11097-69-1	Aroclor-1254	11000	U
11096-82-5	Aroclor-1260	11000	U
57-74-9	Chlordane	11000	U

CHROMATOGRAM



Primary

Data File: >Z7461::D5 Quant Output File: ^Z7461::D5
Name: 15226N-CLJDWS075 Instrument ID: Z
Misc: JN4743P,N4P41686,S:G2,2.84,6:50,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 15:42
Injected at: 941118 15:02

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 15:42
Output File: ^Z7461::D5 Injected at: 941118 15:02
Data File: >Z7461::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS075 Instrument ID: Z
Misc: JN4743P,N4P41686,S:G2,2.84,6:50,

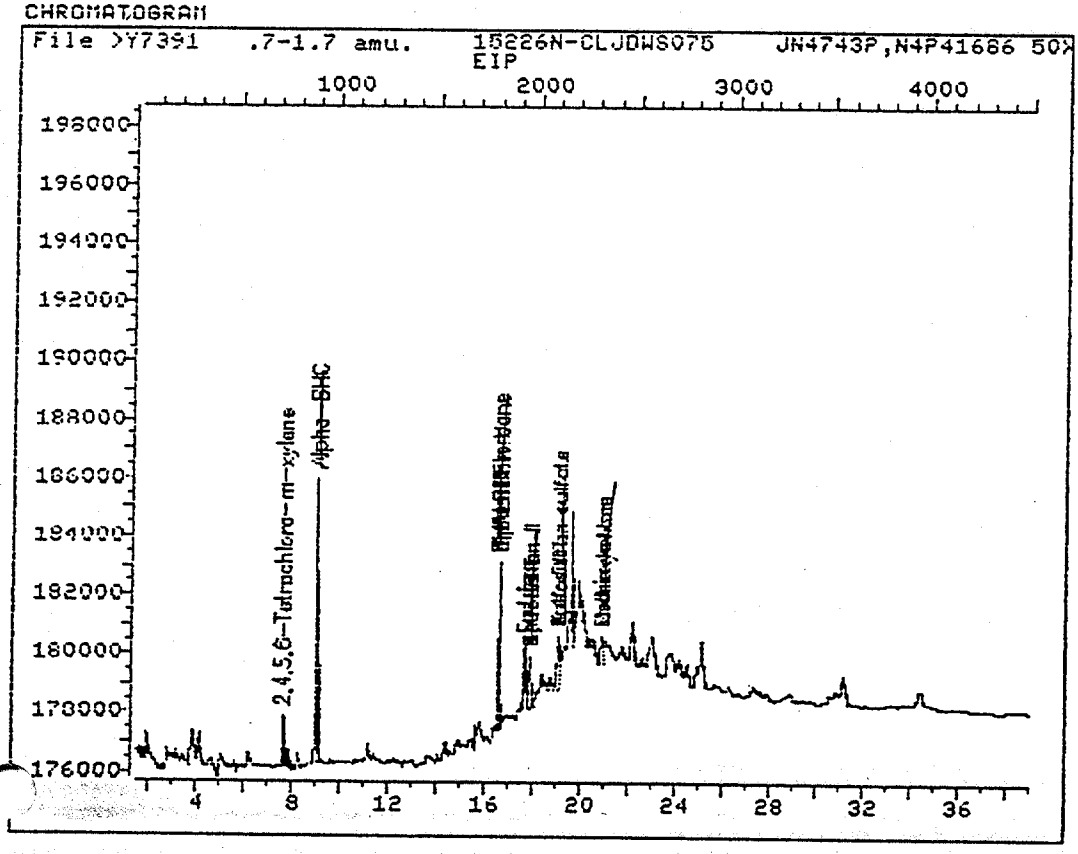
ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	31648	.00606	ug/ml	100 ✓
18)	#4,4'-DDT	18.71	1766	32320	~~.00881~~	~~ug/ml~~	~~100~~
23)	#Decachlorobiphenyl	29.72	3087	51270	.00842	ug/ml	100 ✓

Compound uses ESTD

gk 11/22/94

CHROMATOGRAM



Confirmation

Data File: >Y7391::D5
Name: 15226N-CLJDWS075
Misc: JN4743P,N4P41686 50X

Quant Output File: ^Y7391::D5
Instrument ID: Y

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 15:43
Injected at: 941118 15:02

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 15:43
Output File: ^Y7391::D5 Injected at: 941118 15:02
Data File: >Y7391::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS075 Instrument ID: Y
Misc: JN4743P,N4P41686 50X

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	730	7647	.00519	ug/ml	100
2)	#Alpha-BHC	8.98	898	40832	~~.0281~~	~~ug/ml~~	100
11)	#alpha-Chlordane	16.53	1804	29055	~~.0202~~	~~ug/ml~~	100
12)	#Endosulfan I	16.53	1804	29055	~~.0202~~	~~ug/ml~~	100
13)	#4,4'-DDE	16.53	1804	29088	~~.0228~~	~~ug/ml~~	100
14)	#Dieldrin	16.53	1804	29088	~~.0208~~	~~ug/ml~~	100
15)	#Endrin	17.67	1941	13024	~~.0103~~	~~ug/ml~~	100
16)	#Endosulfan II	17.87	1965	10311	~~.00904~~	~~ug/ml~~	100
17)	#4,4'-DDD	17.87	1965	10311	~~.00904~~	~~ug/ml~~	100
19)	#4,4'-DDT	19.05	2107	14336	~~.0125~~	~~ug/ml~~	100
20)	#Endosulfan sulfate	19.05	2107	14336	.0125	ug/ml	100
21)	#Endrin ketone	20.88	2326	6335	~~.00428~~	~~ug/ml~~	100
22)	#Methoxychlor	20.88	2326	6335	~~.00919~~	~~ug/ml~~	100

Compound uses ESTD

00486
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLJDWS102

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDWS075 ~~CLJDWS102~~

Matrix: (soil/water) WATER Lab Sample ID: JN4741P

Sample wt/vol: 100 (g/mL) ML Lab File ID: ^Z7413

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/14/94

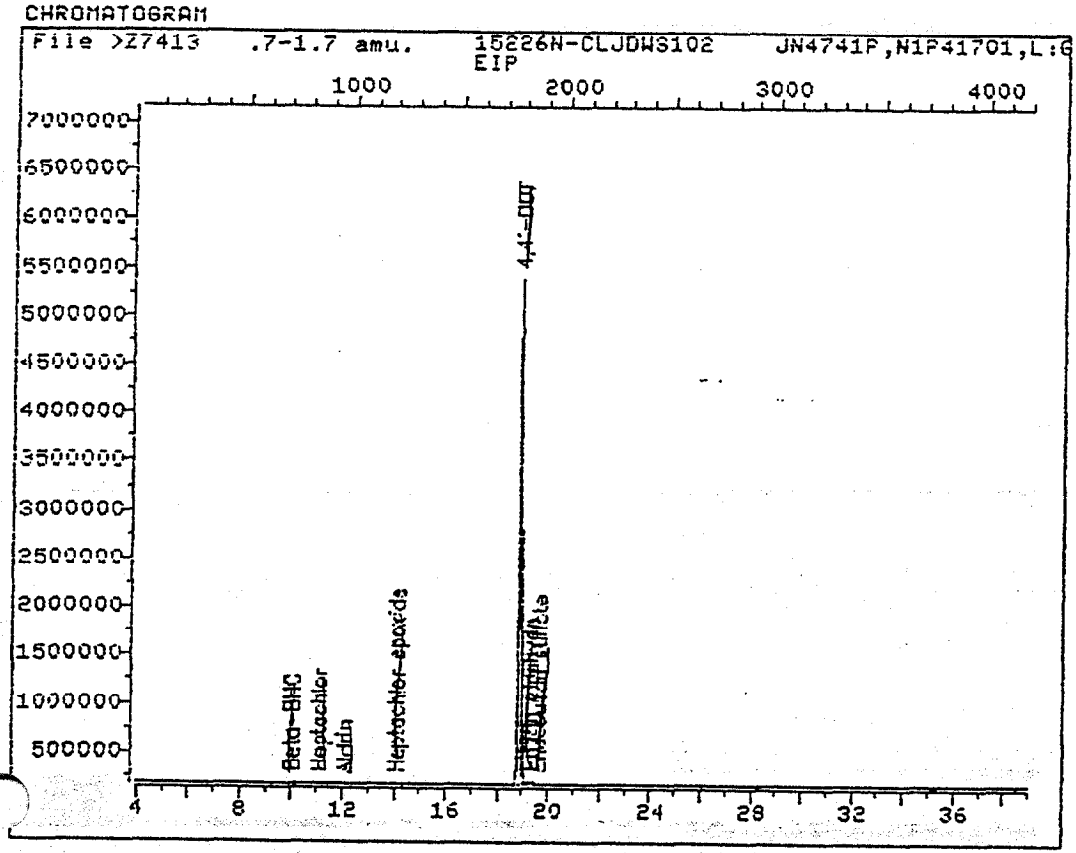
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	5.0	U
319-85-7	beta-BHC	5.0	U
319-86-8	delta-BHC	5.0	U
58-89-9	gamma-BHC (Lindane)	5.0	U
76-44-8	Heptachlor	5.0	U
309-00-2	Aldrin	5.0	U
1024-57-3	Heptachlor epoxide	5.0	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	U
72-54-8	4,4'-DDD	5.0	U
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	5.0	U
7421-93-4	Endrin aldehyde	5.0	U
8001-35-2	Toxaphene	100	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U
57-74-9	Chlordane	50	U

CHROMATOGRAM



Primary

Data File: >Z7413::D5 Quant Output File: ^Z7413::D5
Name: 15226N-CLJDWS102 Instrument ID: Z
Misc: JN4741P,N1P41701,L:G2,100,5:10,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 19:47
Injected at: 941116 19:07

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 19:47
Output File: ^Z7413::D5 Injected at: 941116 19:07
Data File: >Z7413::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS102 Instrument ID: Z
Misc: JN4741P,N1P41701,L:G2,100,5:10,

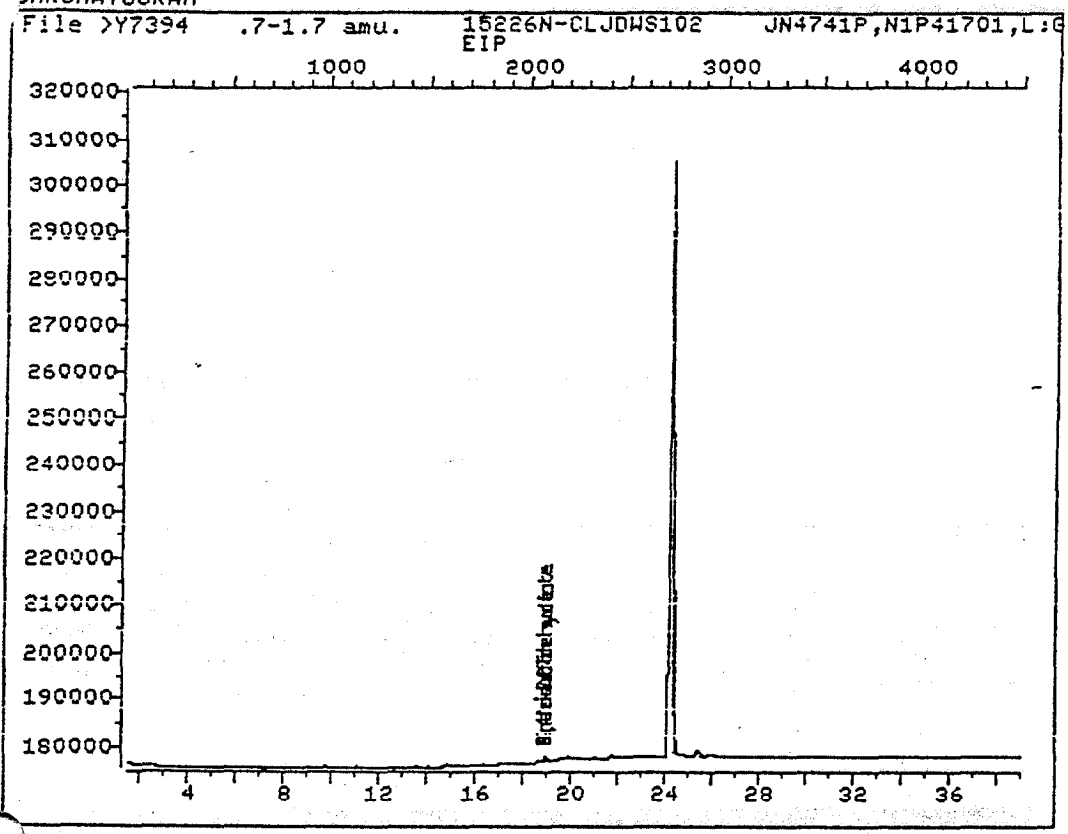
ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
5)	#Beta-BHC	9.98	719	39007	.0112	ug/ml	100
6)	#Heptachlor	11.04	846	46624	.00787	ug/ml	100
8)	#Aldrin	12.07	969	21408	.00388	ug/ml	100
9)	#Heptachlor epoxide	14.06	1208	20255	.00368	ug/ml	100
18)	#4,4'-DDT	18.84	1782	31465868	8.58	ug/ml	100
19)	#Endrin aldehyde	19.28	1835	114868	.0312	ug/ml	100
20)	#Endosulfan sulfate	19.63	1876	37087	.00962	ug/ml	100

Compound uses ESTD

ak
11/28/94

CHROMATOGRAM



Confirmation

Data File: >Y7394::D5 Quant Output File: ^Y7394::D5
Name: 15226N-CLJDWS102 Instrument ID: Y
Misc: JN4741P,N1P41701,L:G2,100,5:100,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 941118 18:48
Injected at: 941118 18:07

QUANT REPORT Page 1

Operator ID: USER1 Quant Rev: 7 Quant Time: 941118 18:48
Output File: ^Y7394::D5 Injected at: 941118 18:07
Data File: >Y7394::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS102 Instrument ID: Y
Misc: JN4741P,N1P41701,L:G2,100,5:100,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
18)	#Endrin aldehyde	18.88	2087	6367	.00557	ug/ml	100
19)	#4,4'-DDT	18.88	2087	6367	.00557	ug/ml	100
20)	#Endosulfan sulfate	18.88	2087	6367	.00557	ug/ml	100

Compound uses ESTD

00491
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4742P

Sample wt/vol: 30.4 (g/mL) G Lab File ID: ^Y7371

% Moisture: 7 decanted: (Y/N) Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

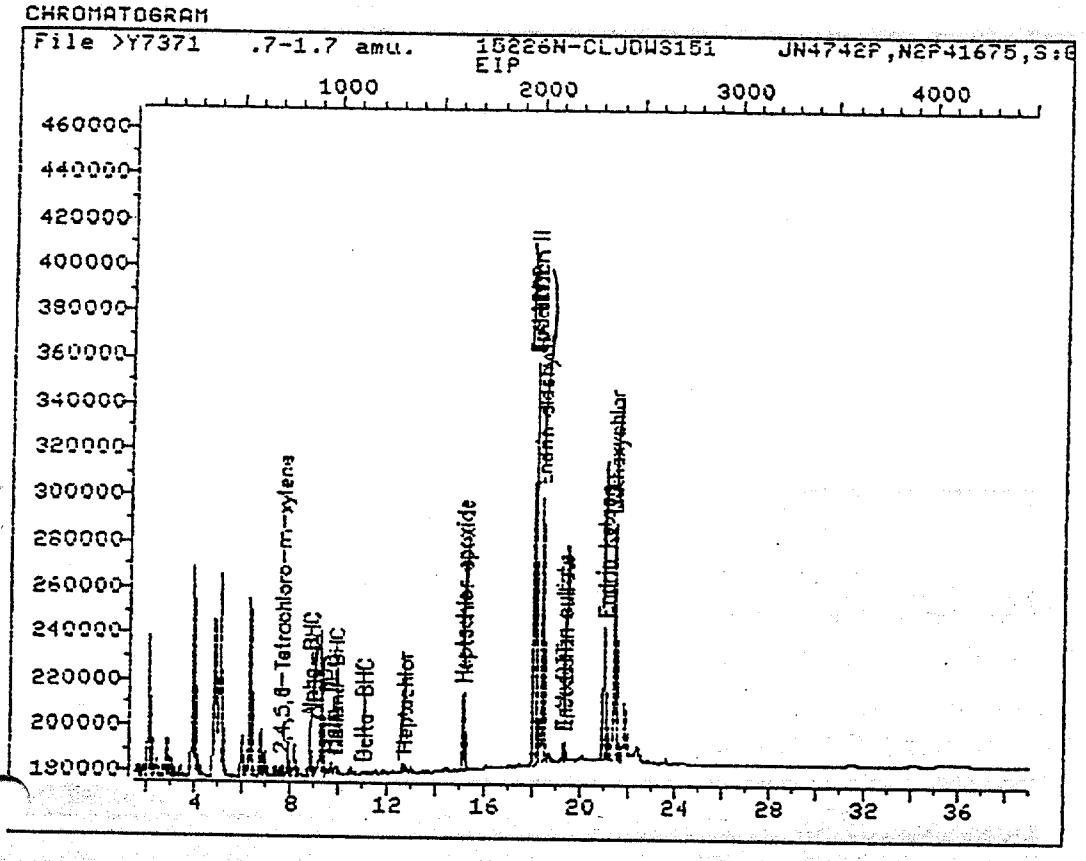
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/17/94

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	180	U
319-85-7	beta-BHC	180	U
319-86-8	delta-BHC	180	U
58-89-9	gamma-BHC (Lindane)	180	U
76-44-8	Heptachlor	180	U
309-00-2	Aldrin	180	U
1024-57-3	Heptachlor epoxide	180	U
959-98-8	Endosulfan I	180	U
60-57-1	Dieldrin	180	U
72-55-9	4,4'-DDE	180	U
72-20-8	Endrin	180	U
33213-65-9	Endosulfan II	180	U
72-54-8	4,4'-DDD	180	U
1031-07-8	Endosulfan sulfate	180	U
50-29-3	4,4'-DDT	180	U
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	180	U
7421-93-4	Endrin aldehyde	180	U
8001-35-2	Toxaphene	3500	U
12674-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1800	U
11141-16-5	Aroclor-1232	1800	U
53469-21-9	Aroclor-1242	1800	U
12672-29-6	Aroclor-1248	1800	U
11097-69-1	Aroclor-1254	1800	U
11096-82-5	Aroclor-1260	1800	U
57-74-9	Chlordane	1800	U

CHROMATOGRAM



Primary

Data File: >Y7371::D5 Quant Output File: ^Y7371::D5
Name: 15226N-CLJDWS151 Instrument ID: Y
Misc: JN4742P,N2P41675,S:G2,28.31,5:100,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941117 20:07
Injected at: 941117 19:26

QUANT REPORT Page 1

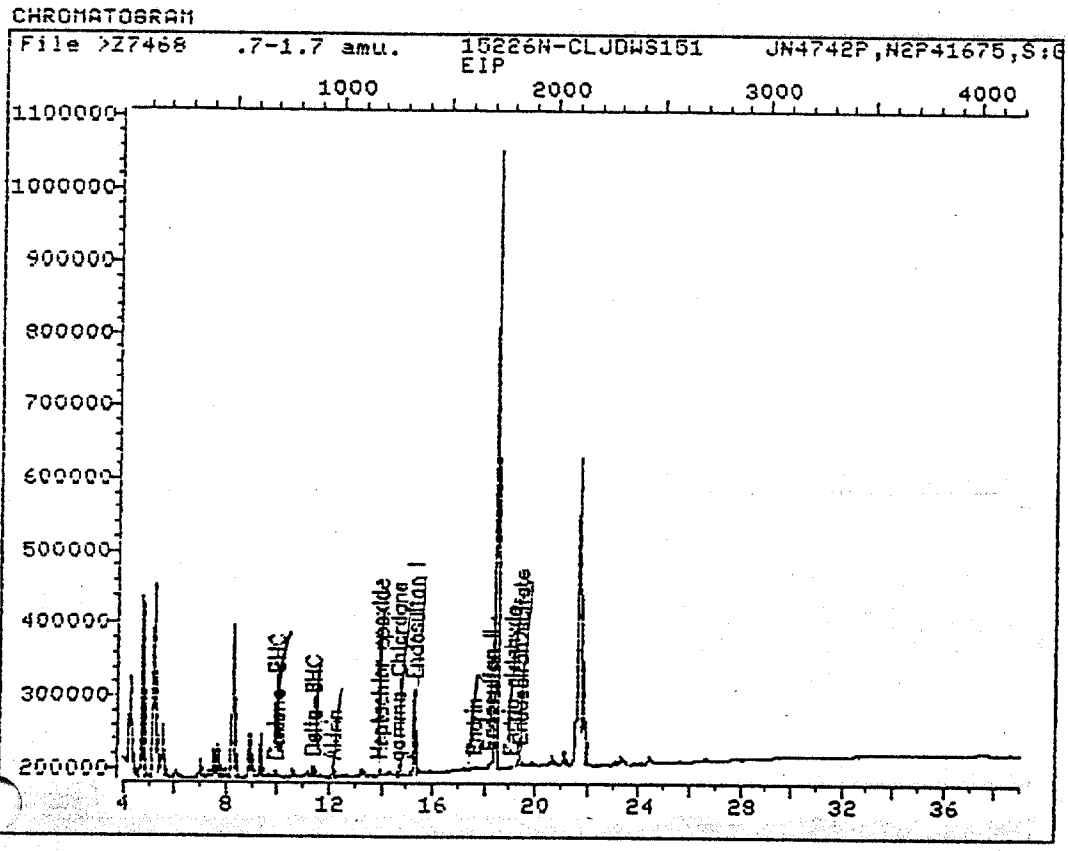
Operator ID: USER2 Quant Rev: 7 Quant Time: 941117 20:07
Output File: ^Y7371::D5 Injected at: 941117 19:26
Data File: >Y7371::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS151 Instrument ID: Y
Misc: JN4742P,N2P41675,S:G2,28.31,5:100,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.58	731	28064	.0191	ug/ml	100
2)	#Alpha-BHC	~~8.80~~	877	94368	~~.0460~~	~~ug/ml~~	~~100~~
3)	#Beta-BHC	9.69	984	21791	~~.0231~~	~~ug/ml~~	~~100~~
4)	#Gamma-BHC	~~9.87~~	1005	24374	~~.0145~~	~~ug/ml~~	~~100~~
5)	#Lindane	~~9.87~~	1005	24374	~~.0145~~	~~ug/ml~~	100
6)	#Delta-BHC	~~11.02~~	1143	7775	~~.00921~~	~~ug/ml~~	~~100~~
7)	#Heptachlor	~~12.67~~	1342	19647	~~.0189~~	~~ug/ml~~	~~100~~
8)	#Heptachlor epoxide	~~15.08~~	1631	172447	~~.112~~	~~ug/ml~~	~~100~~
)	#Endrin	~~18.82~~	1983	908589	~~.715~~	ug/ml	~~100~~
16)	#Endosulfan II	18.02	1983	908589	~~.797~~	~~ug/ml~~	~~100~~
17)	#4,4'-DDD	18.02	1983	908589	~~.797~~	~~ug/ml~~	~~100~~
18)	#Endrin aldehyde	~~18.32~~	2019	573127	~~.581~~	~~ug/ml~~	~~100~~
19)	#4,4'-DDT	19.26	2132	44416	~~.0389~~	~~ug/ml~~	~~100~~
20)	#Endosulfan sulfate	19.26	2132	44416	~~.0389~~	~~ug/ml~~	~~100~~
21)	#Endrin ketone	~~20.95~~	2335	336346	~~.227~~	~~ug/ml~~	~~100~~
22)	#Methoxychlor	~~21.33~~	2381	627849	~~.911~~	~~ug/ml~~	~~100~~

Compound uses ESTD

ac 11/21/94



Confirmation

Data File: >Z7468::D5 Quant Output File: ^Z7468::D5
Name: 15226N-CLJDWS151 Instrument ID: Z
Misc: JN4742P,N2P41675,S:G2,28.31,5:100,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 941118 21:47
Injected at: 941118 21:05

QUANT REPORT Page 1

Operator ID: USER1 Quant Rev: 7 Quant Time: 941118 21:47
Output File: ^Z7468::D5 Injected at: 941118 21:05
Data File: >Z7468::D5 Dilution Factor: 1.00000
Name: 15226N-CLJDWS151 Instrument ID: Z
Misc: JN4742P,N2P41675,S:G2,28.31,5:100,

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
3)	#Lindane	9.92	711	25343	.00423	ug/ml	100
4)	#Gamma-BHC	9.92	711	25343	.00423	ug/ml	100
7)	#Delta-BHC	11.32	879	66368	.0130	ug/ml	100
8)	#Aldrin	12.13	976	114368	.0207	ug/ml	100
9)	#Heptachlor epoxide	13.89	1188	34272	.00623	ug/ml	100
10)	#gamma-Chlordane	14.62	1275	21216	.00372	ug/ml	100
12)	#Endosulfan I	15.25	1351	623496	.136	ug/ml	100
)	#Endrin	17.58	1631	40768	.0101	ug/ml	100
)	#Endosulfan II	18.18	1703	40896	~~.00954 ug/ml~~ EJ		100
19)	#Endrin aldehyde	19.03	1804	21183	~~.00575 ug/ml~~ EJ		100
20)	#Endosulfan sulfate	19.36	1844	91679	.0238	ug/ml	100

Compound uses ESTD

Confirmation Run for ^Y7371

20
ORGANIC LIQUID PESTICIDE SURROGATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJWS075

GC Column(1): DB608 ID: 0.53 (mm) GC Column(2): DB5 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	83		99				0
02	PSPK01	85		102				0
03	CLJDWS075MS	91		145				0
04	CLJDWS075MSD	79		0 *				1
05	CLJDWS075	84		154 *				1

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

2E

WATER PESTICIDE SURROGATE RECOVERY

00497

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: ~~CLJDWS075~~ CLJDWS075

GC Column(1): DB608 ID: 0.53 (mm) GC Column(2): _____ ID: _____ (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	65		80				0
02	PSPK01	87		87				0
03	CLJDWS102	0 *		0 *				2

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NCESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDWS075

GC Column(1): DB5 ID: 0.53 (mm) GC Column(2): _____ ID: _____ (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	90		90				0
02	PSPK01	87		90				0
03	A05SS-62MS	58		89				0
04	A05SS-62MSD	87		117				0
05	A05SS-62	76		101				0
06	A05SS-66	81		110				0
07	A05SS-65	78		107				0
08	A02SS-67	84		160 *				1
09	A02SS-68	67		99				0
10	A02SS-69	80		110				0
11	CLJDWS151	424 D		0 D				0
12	A02SS-70	74		84				0
13	A02SS-71	73		100				0
14	A02SS-72	69		80				0
15	A02SS-73	75		93				0
16	A02SS-74	71		78				0
17	A02SS-75	78		96				0
18	A02SS-76	79		90				0
19	A02SS-81	78		96				0
20	A02SS-87	98		107				0
21	A02SS-82	67		95				0
22	A02SS-83	69		96				0
23	A02SS-84	74		100				0

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

30

ORGANIC LIQUID PESTICIDE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJW507

Matrix Spike - EPA Sample No.: PSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
Alpha-BHC	1400	0	1300	95	30-130
Lindane	1300	0	1400	102	30-130
Gamma-BHC	1300	0	1400	102	30-130
Beta-BHC	1200	0	1200	107	30-130
Heptachlor	1000	0	1200	112	30-130
Delta-BHC	1400	0	1400	104	30-130
Aldrin	1300	0	1300	101	30-130
Heptachlor epoxide	1200	0	1300	107	30-130
gamma-Chlordane	1200	0	1300	109	30-130
alpha-Chlordane	1100	0	1200	111	30-130
Endosulfan I	1300	0	1400	108	30-130
4,4'-DDE	1400	0	1500	107	30-130
Dieldrin	1300	0	1400	107	30-130
Endrin	1400	0	1400	101	30-130
4,4'-DDD	1400	0	1500	102	30-130
Endosulfan II	1300	0	1400	104	30-130
4,4'-DDT	1200	0	1500	119	30-130
Endrin aldehyde	1100	0	960	87	30-130
Endosulfan sulfate	1200	0	1100	94	30-130
Methoxychlor	1200	0	1400	116	30-130
Endrin ketone	1200	0	1300	109	30-130
Chlordane	2400	0	2500	108	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

3E

WATER PESTICIDE BLANK SPIKE RECOVERY

00500

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: ~~CLJDW5012~~ CLJDW5075

Matrix Spike - EPA Sample No.: PSPK01

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	1.1	0	1.1	96	30-130
Heptachlor	.88	0	.85	97	30-130
Aldrin	1.1	0	.98	88	30-130
Dieldrin	1.1	0	1.1	100	30-130
Endrin	1.1	0	1.0	91	30-130
4,4'-DDT	1.1	0	1.2	110	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESH

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJNJ5075

Matrix Spike - EPA Sample No.: A05SS-62

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	260	0	160	63	30-130
Heptachlor	200	0	140	71	30-130
Aldrin	250	0	150	58	30-130
Dieldrin	250	0	160	66	30-130
Endrin	250	0	150	58	30-130
4,4'-DDT	240	0	150	60	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	260	220	87	32 *	20	30-130
Heptachlor	200	200	101	35 *	20	30-130
Aldrin	250	220	86	39 *	20	30-130
Dieldrin	250	220	91	32 *	20	30-130
Endrin	250	210	81	33 *	20	30-130
4,4'-DDT	250	190	79	28 *	20	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 6 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix Spike - EPA Sample No.: PSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	190	0	160	82	30-130
Heptachlor	150	0	140	94	30-130
Aldrin	190	0	150	82	30-130
Dieldrin	180	0	170	92	30-130
Endrin	190	0	160	87	30-130
4,4'-DDT	180	0	150	82	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

00503

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJWS075

Lab Sample ID: N4P41686P Lab File ID: _____

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) 3580

Sulfur Cleanup: (Y/N) N Date Extracted: 11/14/94

Date Analyzed (1): 11/18/94 Date Analyzed (2): _____

Time Analyzed (1): 12:03 Time Analyzed (2): _____

Instrument ID (1): Z Instrument ID (2): _____

GC Column (1): DB608 ID: 0.53 (mm) GC Column (2): DB5 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PSPK01	N4P41686PS	11/18/94	
02	CLJDWS075MS	JN4743PS	11/18/94	
03	CLJDWS075MSD	JN4743PR	11/18/94	
04	CLJDWS075	JN4743P	11/18/94	

COMMENTS:

00504

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDWS075

Lab Sample ID: N1P41701P Lab File ID: _____

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 11/14/94

Date Analyzed (1): 11/16/94 Date Analyzed (2): _____

Time Analyzed (1): 17:38 Time Analyzed (2): _____

Instrument ID (1): Z Instrument ID (2): _____

GC Column (1): DB608 ID: 0.53 (mm) GC Column (2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PSPK01	N1P41701PS	11/16/94	
02	CLJDWS102	JN4741P	11/16/94	

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDWS075

Lab Sample ID: N2P41675P Lab File ID: _____

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) 3540

Sulfur Cleanup: (Y/N) __ Date Extracted: 11/14/94

Date Analyzed (1): 11/16/94 Date Analyzed (2): _____

Time Analyzed (1): 15:24 Time Analyzed (2): _____

Instrument ID (1): Y Instrument ID (2): _____

GC Column (1): DB 5 ID: 0.53 (mm) GC Column (2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PSPK01	N2P41675PS	11/16/94	
02	A05SS-62MS	JN4631PS	11/16/94	
03	A05SS-62MSD	JN4631PR	11/16/94	
04	A05SS-62	JN4631P	11/16/94	
~~05~~	~~A05SS-66~~	~~JN4632P~~	~~11/16/94~~	
~~06~~	~~A05SS-85~~	~~JN4633P~~	~~11/16/94~~	
~~07~~	~~A02SS-67~~	~~JN4798P~~	~~11/16/94~~	
~~08~~	~~A02SS-68~~	~~JN4799P~~	~~11/16/94~~	
~~09~~	~~A02SS-69~~	~~JN4800P~~	~~11/16/94~~	
10	CLJDWS151	JN4742P	11/17/94	
~~11~~	~~A02SS-70~~	~~JN4801P~~	~~11/17/94~~	
~~12~~	~~A02SS-71~~	~~JN4802P~~	~~11/17/94~~	
~~13~~	~~A02SS-72~~	~~JN4803P~~	~~11/17/94~~	
~~14~~	~~A02SS-73~~	~~JN4804P~~	~~11/17/94~~	
~~15~~	~~A02SS-74~~	~~JN4805P~~	~~11/17/94~~	
~~16~~	~~A02SS-75~~	~~JN4806P~~	~~11/17/94~~	
~~17~~	~~A02SS-76~~	~~JN4807P~~	~~11/17/94~~	
~~18~~	~~A02SS-81~~	~~JN4808P~~	~~11/17/94~~	
~~19~~	~~A02SS-87~~	~~JN4809P~~	~~11/17/94~~	
~~20~~	~~A02SS-82~~	~~JN4811P~~	~~11/18/94~~	
~~21~~	~~A02SS-83~~	~~JN4812P~~	~~11/18/94~~	
~~22~~	~~A02SS-84~~	~~JN4813P~~	~~11/18/94~~	

COMMENTS:

Calibration Report

Title: PESTICIDES 08-608 BY ECD/GC (R2 FRONT)
Calibrated: 941104 14:57

Compound	Files: >Z7209 RF .0200	>Z7210 RF .0500	>Z7211 RF .100	>Z7212 RF 1.00	>Z7213 RF 2.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	
2,4,5,6-Tetrachloro-m-xylene	5752000	5922560	5910410	4564374	3981938	6.413	5226257	17.156	.997690	
Alpha-BHC	4753600	6409600	7578280	7230587	6514998	8.667	6497414	16.780	.998528	
Lindane	4732800	6075520	6912360	6423865	5836578	9.992	5996225	13.575	.998782	
Gamma-BHC	4732800	6075520	6912360	6423865	5836578	9.992	5996225	13.575	.998782	
Beta-BHC	3512000	3723520	3850880	3309275	2983235	10.217	3475782	9.901	.998664	
Heptachlor	6582350	7095040	7409980	6290621	5614791	11.100	6598557	10.629	.998376	
Delta-BHC	3673600	4836480	5825620	5881037	5391098	11.473	5121567	17.796	.998956	
Aldrin	5161550	5514860	6087360	5688587	5135701	12.230	5517611	7.173	.998642	
Heptachlor epoxide	5519950	5818240	6072030	5303897	4795312	14.135	5501886	8.922	.998734	
gamma-Chlordane	5657600	5897620	6197480	5631168	5111452	14.683	5699064	7.016	.998820	
alpha-Chlordane	5643150	6035800	6293760	5427263	4907466	15.230	5661489	9.527	.998740	
Endosulfan I	4232300	4925960	5260120	4539867	4037634	15.332	4599176	10.856	.998235	
4,4'-DDE	3815950	4327640	4995160	5025781	4590474	16.073	4551002	11.066	.998893	
Dieldrin	4284800	4721940	5283180	5270309	4827820	16.372	4877610	8.557	.998978	
Endrin	3512000	3804780	4282250	4421003	4099426	17.613	4023892	9.133	.999230	
4,4'-DDD	2691200	3191660	3724150	3900725	3595850	17.933	3420717	14.155	.999086	
[illegible]sulfan II	4153550	4369260	4635830	4306614	3961118	18.208	4285275	5.867	.999119	
[illegible]-DDT	3020800	3413100	3888600	4135487	3875567	18.940	3666711	12.152	.999414	
Endrin aldehyde	3892750	3836140	3899840	3536250	3253446	19.300	3683685	7.684	.999156	
Endosulfan sulfate	3614350	3822700	4081280	4017443	3735813	19.708	3854317	5.037	.999319	
Methoxychlor	2343950	2433920	2531180	2389652	2248342	22.272	2389409	4.392	.999543	
Endrin ketone	3971150	4491520	5004810	4984447	4604841	22.908	4611354	9.189	.999167	
Decachlorobiphenyl	7413250	6985860	6657430	4957610	4447639	30.227	6092358	21.488	.998650	
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	(Conc=.0200,.0400,.100,1.0
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	(Conc=.0206,.0412,.103,1.0

RF - Response Factor (Subscript is amount in ug/ml)

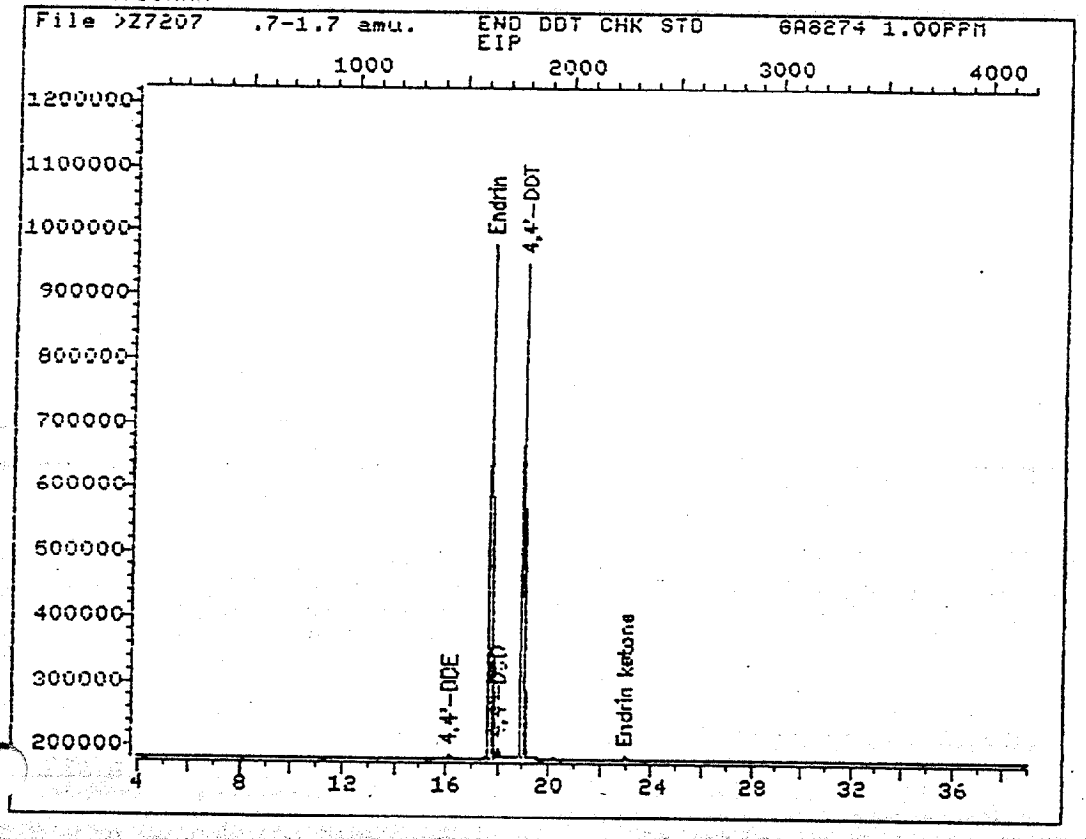
$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CHROMATOGRAM



Data File: >Z7207::D5
Name: END DDT CHK STD
Misc: GA8274 1.00PPM

Quant Output File: ^Z7207::D5
Instrument ID: Z

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 09:40
Injected at: 941104 08:59

QUANT REPORT Page 1

Operator ID: USER6
Output File: ^Z7207::D5
Data File: >Z7207::D5
Name: END DDT CHK STD
Misc: GA8274 1.00PPM

Quant Rev: 7 Quant Time: 941104 09:40
Injected at: 941104 08:59
Dilution Factor: 1.00000
Instrument ID: Z

ID File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

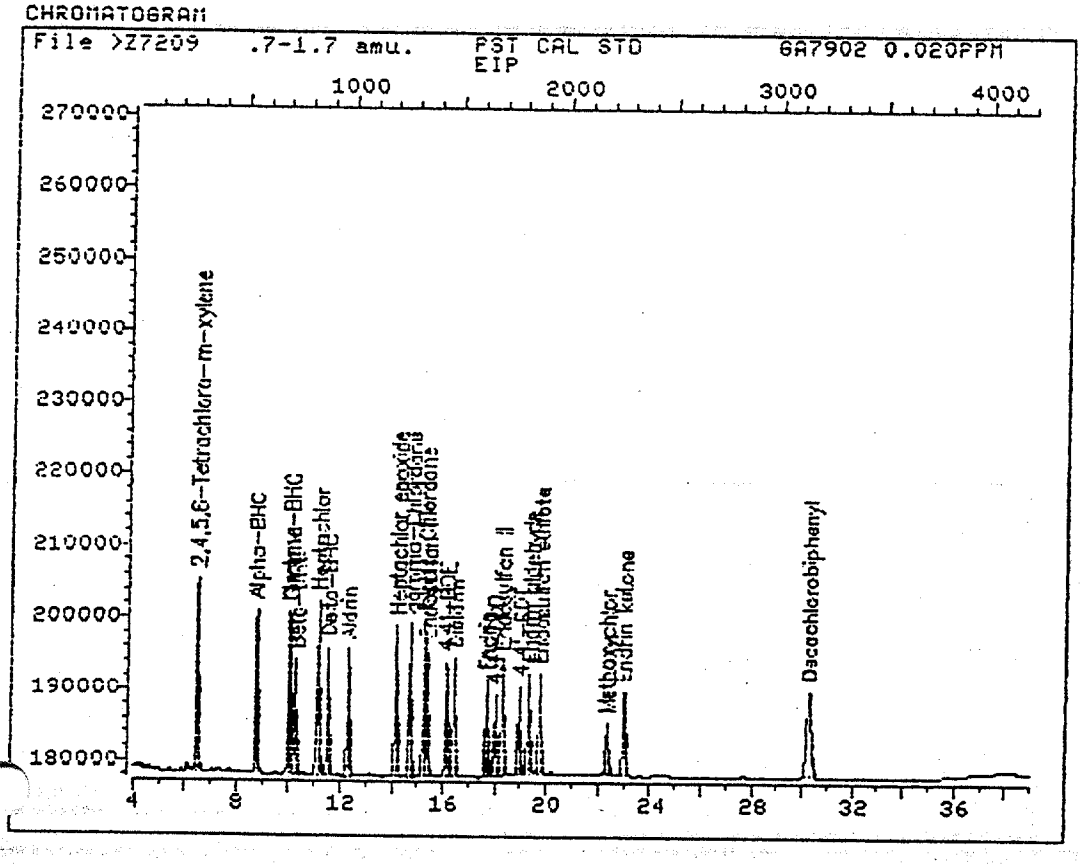
Compound	R.T.	Scan#	Area	Conc	Units	q
13) #4,4'-DDE	16.08	1451	37119	.0104	ug/ml	100
15) #Endrin	17.62	1635	4535299	1.36	ug/ml	100
16) #4,4'-DDD	17.94	1674	71136	.0266	ug/ml	100
18) #4,4'-DDT	18.94	1794	4018219	1.38	ug/ml	100
22) #Endrin ketone	22.92	2271	39743	.00989	ug/ml	100

Compound uses ESTD

$$\text{End} - \frac{39743}{39743 + 4535299} = \frac{39743}{4575042} = .87\%$$

$$\text{DDT} - \frac{37119 + 71136}{37119 + 71136 + 4018219} = \frac{108255}{4126474} = 2.62\%$$

CHROMATOGRAM



Data File: >Z7209::D5
Name: PST CAL STD
Misc: GA7902 0.020PPM

Quant Output File: ^Z7209::D5
Instrument ID: Z

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 11:42
Injected at: 941104 11:02

QUANT REPORT Page 1

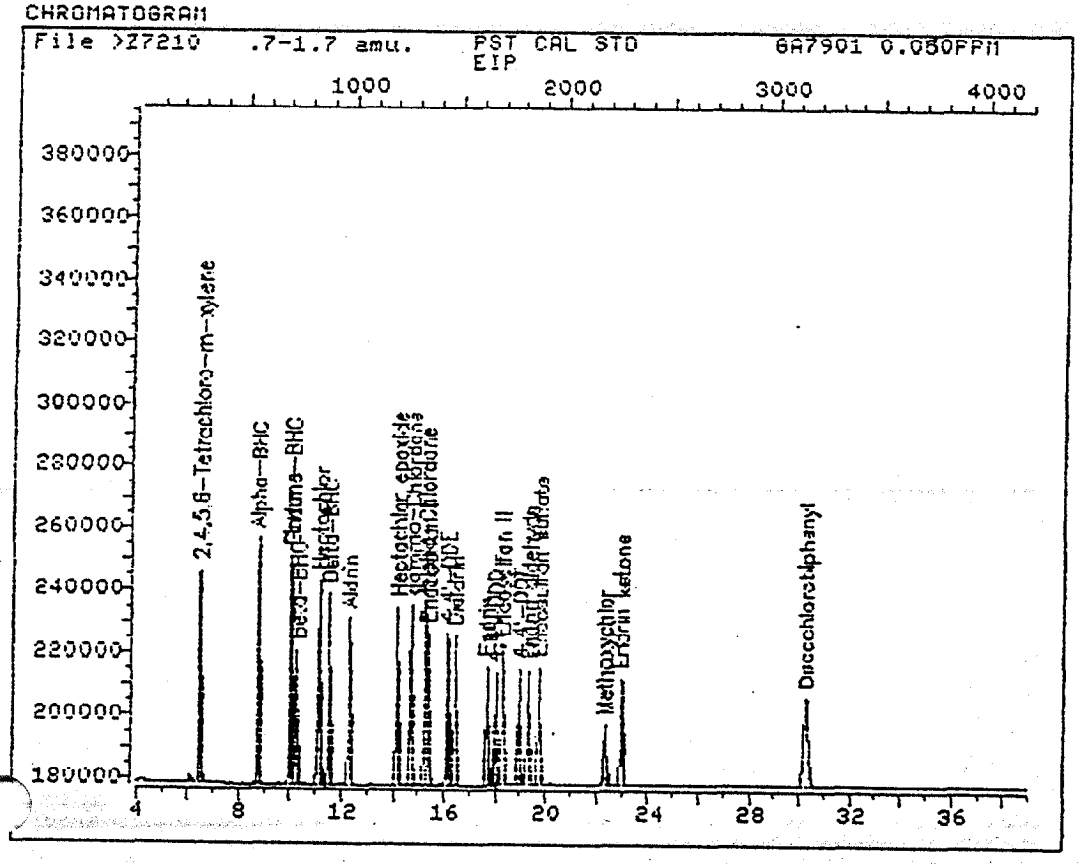
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 11:42
Output File: ^Z7209::D5 Injected at: 941104 11:02
Data File: >Z7209::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Z
Misc: GA7902 0.020PPM

ID File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.42	291	115040	.0272	ug/ml	100
2)	#Alpha-BHC	8.67	561	95072	.0183	ug/ml	100
3)	#Lindane	9.99	720	94656	.0198	ug/ml	100
4)	#Gamma-BHC	9.99	720	94656	.0198	ug/ml	100
5)	#Beta-BHC	10.22	747	70240	.0262	ug/ml	100
6)	#Heptachlor	11.10	853	131647	.0241	ug/ml	100
7)	#Delta-BHC	11.48	898	73472	.0177	ug/ml	100
8)	#Aldrin	12.23	989	103231	.0237	ug/ml	100
9)	#Heptachlor epoxide	14.14	1218	110399	.0250	ug/ml	100
10)	#gamma-Chlordane	14.68	1283	113152	.0246	ug/ml	100
11)	#alpha-Chlordane	15.23	1349	112863	.0242	ug/ml	100
12)	#Endosulfan I	15.33	1361	84646	.0228	ug/ml	100
13)	#4,4'-DDE	16.08	1450	76319	.0214	ug/ml	100
14)	#Dieldrin	16.38	1486	85696	.0220	ug/ml	100
15)	#Endrin	17.62	1635	70240	.0210	ug/ml	100
16)	#4,4'-DDD	17.93	1673	53824	.0201	ug/ml	100
17)	#Endosulfan II	18.21	1706	83071	.0237	ug/ml	100
18)	#4,4'-DDT	18.94	1794	60416	.0208	ug/ml	100
19)	#Endrin aldehyde	19.30	1837	77855	.0257	ug/ml	100
20)	#Endosulfan sulfate	19.71	1886	72287	.0220	ug/ml	100
21)	#Methoxychlor	22.28	2194	46879	.0259	ug/ml	100
22)	#Endrin ketone	22.91	2270	79423	.0198	ug/ml	100
23)	#Decachlorobiphenyl	30.22	3148	148265	.0262	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z7210::D5
Name: PST CAL STD
Misc: GA7901 0.050PPM

Quant Output File: ^Z7210::D5
Instrument ID: Z

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 12:27
Injected at: 941104 11:46

QUANT REPORT Page 1

Operator ID: USER6
Output File: ^Z7210::D5
Data File: >Z7210::D5
Name: PST CAL STD
Misc: GA7901 0.050PPM

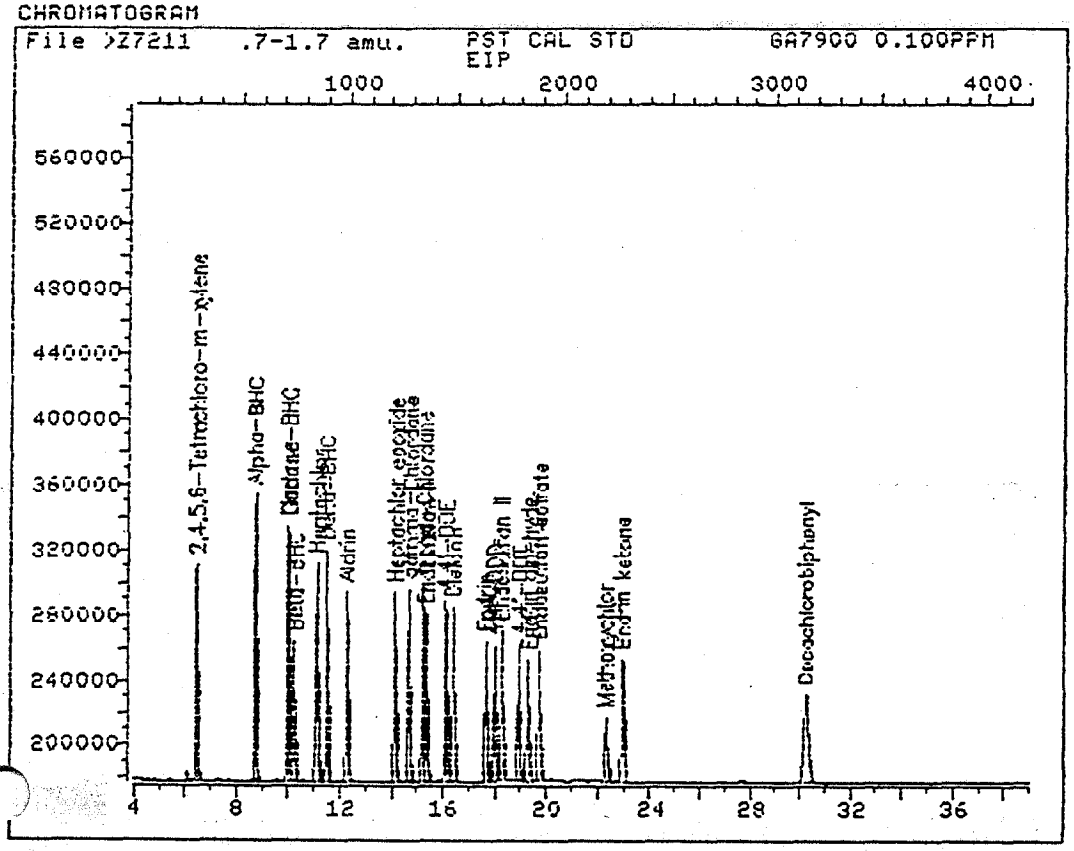
Quant Rev: 7 Quant Time: 941104 12:27
Injected at: 941104 11:46
Dilution Factor: 1.00000
Instrument ID: Z

ID File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.42	291	296128	.0701	ug/ml	100
2)	#Alpha-BHC	8.67	561	320480	.0617	ug/ml	100
3)	#Lindane	9.99	720	303776	.0635	ug/ml	100
4)	#Gamma-BHC	9.99	720	303776	.0635	ug/ml	100
5)	#Beta-BHC	10.22	747	186176	.0695	ug/ml	100
6)	#Heptachlor	11.10	853	354752	.0649	ug/ml	100
7)	#Delta-BHC	11.48	898	241824	.0583	ug/ml	100
8)	#Aldrin	12.23	989	275743	.0634	ug/ml	100
9)	#Heptachlor epoxide	14.13	1217	290912	.0658	ug/ml	100
10)	#gamma-Chlordane	14.68	1283	294881	.0641	ug/ml	100
11)	#alpha-Chlordane	15.23	1349	301790	.0647	ug/ml	100
12)	#Endosulfan I	15.33	1361	246298	.0664	ug/ml	100
13)	#4,4'-DDE	16.08	1450	216382	.0607	ug/ml	100
14)	#Dieldrin	16.38	1486	236097	.0606	ug/ml	100
15)	#Endrin	17.62	1635	190239	.0568	ug/ml	100
16)	#4,4'-DDD	17.93	1673	159583	.0596	ug/ml	100
17)	#Endosulfan II	18.21	1706	218463	.0624	ug/ml	100
18)	#4,4'-DDT	18.94	1794	170655	.0586	ug/ml	100
19)	#Endrin aldehyde	19.30	1837	191807	.0632	ug/ml	100
20)	#Endosulfan sulfate	19.71	1886	191135	.0581	ug/ml	100
21)	#Methoxychlor	22.28	2194	121696	.0672	ug/ml	100
22)	#Endrin ketone	22.91	2270	224576	.0559	ug/ml	100
23)	#Decachlorobiphenyl	30.22	3148	349293	.0616	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z7211::D5 Quant Output File: ^Z7211::D5
Name: PST CAL STD Instrument ID: Z
Misc: GA7900 0.100PPM

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 13:11
Injected at: 941104 12:31

QUANT REPORT Page 1

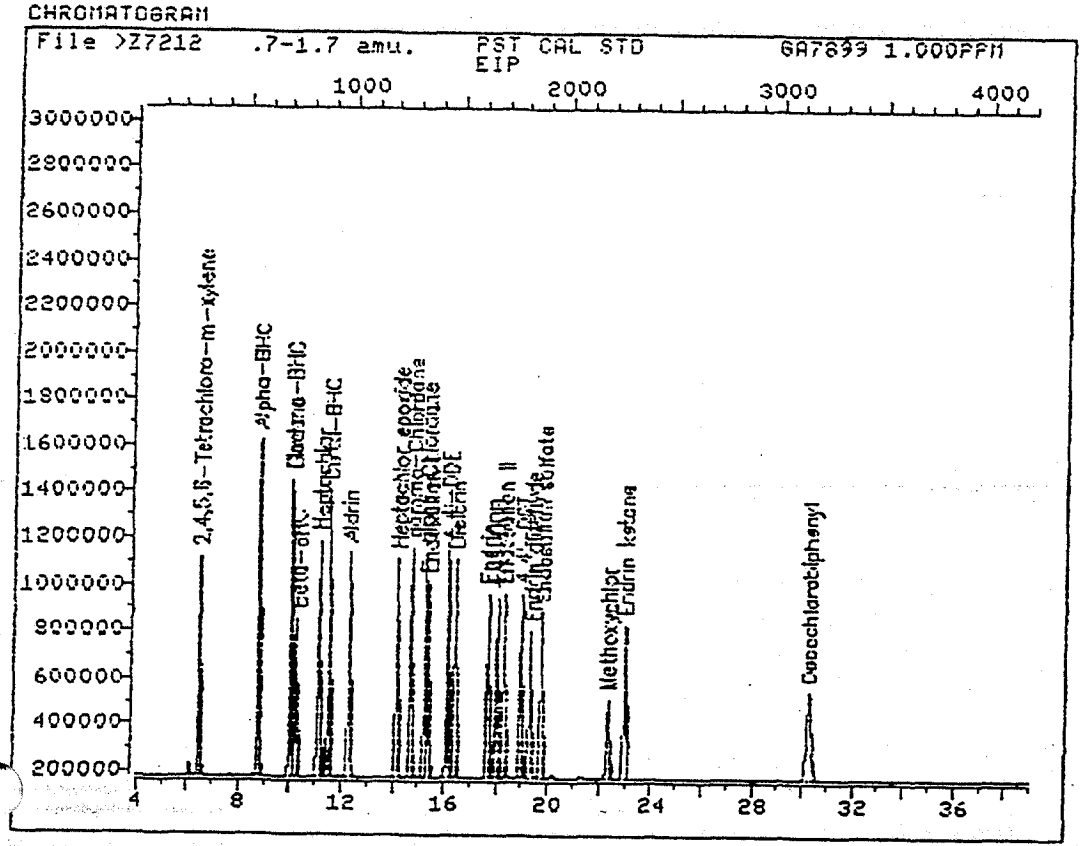
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 13:11
Output File: ^Z7211::D5 Injected at: 941104 12:31
Data File: >Z7211::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Z
Misc: GA7900 0.100PPM

ID File: IZPN01::D5
Title: PESTICIDES D8-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q.
1)	#2,4,5,6-Tetrachloro-m-xylene	6.42	291	591041	.140	ug/ml	100
2)	#Alpha-BHC	8.67	561	757828	.146	ug/ml	100
3)	#Lindane	9.99	720	691236	.144	ug/ml	100
4)	#Gamma-BHC	9.99	720	691236	.144	ug/ml	100
5)	#Beta-BHC	10.22	747	385088	.144	ug/ml	100
6)	#Heptachlor	11.10	853	740998	.136	ug/ml	100
7)	#Delta-BHC	11.48	898	582562	.140	ug/ml	100
8)	#Aldrin	12.23	989	608736	.140	ug/ml	100
9)	#Heptachlor epoxide	14.13	1217	607203	.137	ug/ml	100
10)	#gamma-Chlordane	14.68	1283	619748	.135	ug/ml	100
11)	#alpha-Chlordane	15.23	1349	629376	.135	ug/ml	100
12)	#Endosulfan I	15.33	1361	526012	.142	ug/ml	100
13)	#4,4'-DDE	16.08	1450	499516	.140	ug/ml	100
14)	#Dieldrin	16.38	1486	528318	.136	ug/ml	100
15)	#Endrin	17.62	1635	428225	.128	ug/ml	100
16)	#4,4'-DDD	17.93	1673	372415	.139	ug/ml	100
17)	#Endosulfan II	18.21	1706	463583	.132	ug/ml	100
18)	#4,4'-DDT	18.94	1794	388860	.134	ug/ml	100
19)	#Endrin aldehyde	19.30	1837	389984	.129	ug/ml	100
20)	#Endosulfan sulfate	19.71	1886	408128	.124	ug/ml	100
21)	#Methoxychlor	22.28	2194	253118	.140	ug/ml	100
22)	#Endrin ketone	22.91	2270	500481	.125	ug/ml	100
23)	#Decachlorobiphenyl	30.23	3149	665743	.117	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z7212::D5
Name: PST CAL STD
Misc: GA7899 1.000PPM

Quant Output File: ^Z7212::D5
Instrument ID: Z

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37

Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 13:56
Injected at: 941104 13:15

QUANT REPORT Page 1

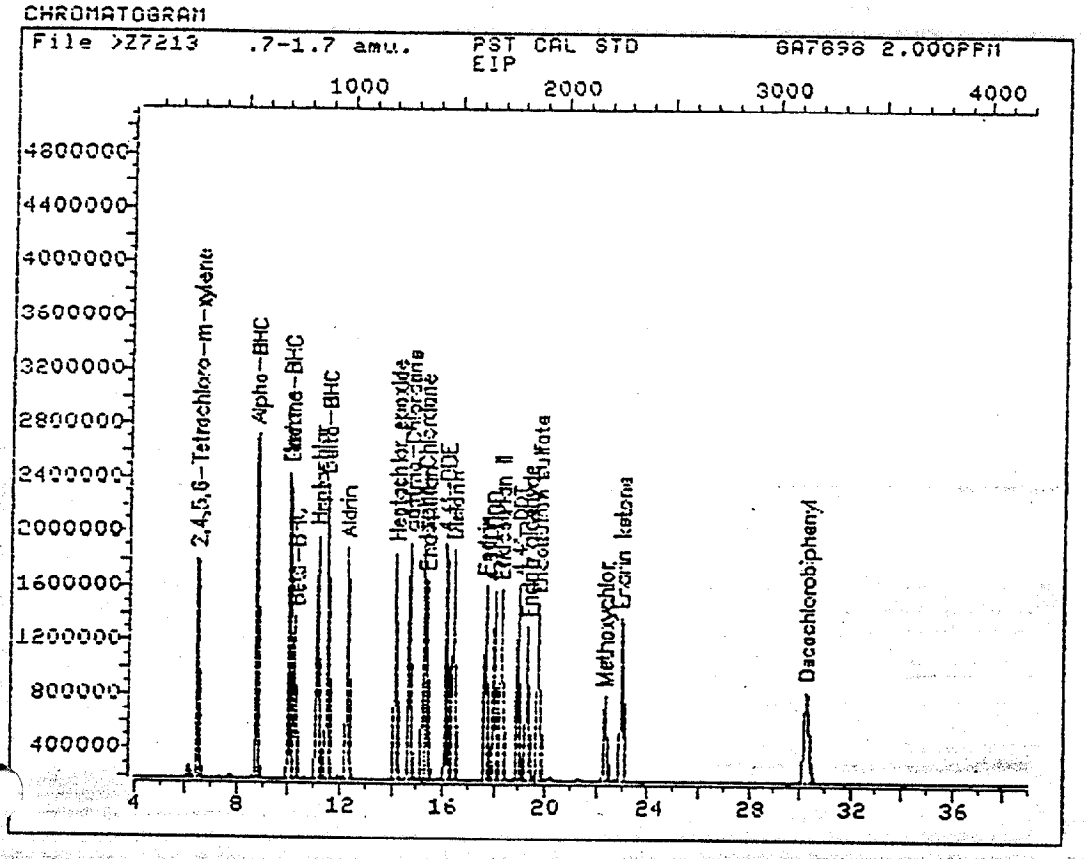
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 13:56
Output File: ^Z7212::D5 Injected at: 941104 13:15
Data File: >Z7212::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Z
Misc: GA7899 1.000PPM

ID File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.41	290	4564374	1.08	ug/ml	100
2)	#Alpha-BHC	8.67	561	7230587	1.39	ug/ml	100
3)	#Lindane	9.99	720	6423865	1.34	ug/ml	100
4)	#Gamma-BHC	9.99	720	6423865	1.34	ug/ml	100
5)	#Beta-BHC	10.22	747	3309275	1.24	ug/ml	100
6)	#Heptachlor	11.10	853	6290621	1.15	ug/ml	100
7)	#Delta-BHC	11.48	898	5881037	1.42	ug/ml	100
8)	#Aldrin	12.23	988	5688587	1.31	ug/ml	100
9)	#Heptachlor epoxide	14.13	1217	5303897	1.20	ug/ml	100
10)	#gamma-Chlordane	14.68	1283	5631168	1.23	ug/ml	100
11)	#alpha-Chlordane	15.23	1348	5427263	1.16	ug/ml	100
12)	#Endosulfan I	15.33	1361	4539867	1.22	ug/ml	100
13)	#4,4'-DDE	16.08	1450	5025781	1.41	ug/ml	100
14)	#Dieldrin	16.37	1485	5270309	1.35	ug/ml	100
15)	#Endrin	17.61	1634	4421003	1.32	ug/ml	100
16)	#4,4'-DDD	17.93	1673	3900725	1.46	ug/ml	100
17)	#Endosulfan II	18.21	1706	4306614	1.23	ug/ml	100
18)	#4,4'-DDT	18.94	1794	4135487	1.42	ug/ml	100
19)	#Endrin aldehyde	19.30	1837	3536250	1.17	ug/ml	100
20)	#Endosulfan sulfate	19.71	1886	4017443	1.22	ug/ml	100
21)	#Methoxychlor	22.27	2193	2389652	1.32	ug/ml	100
22)	#Endrin ketone	22.91	2270	4984447	1.24	ug/ml	100
23)	#Decachlorobiphenyl	30.22	3148	4957610	.875	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z7213::D5
Name: PST CAL STD
Misc: GA7898 2.000PPM

Quant Output File: ^Z7213::D5
Instrument ID: Z

Id File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 14:41
Injected at: 941104 14:00

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 14:41
Output File: ^Z7213::D5 Injected at: 941104 14:00
Data File: >Z7213::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Z
Misc: GA7898 2.000PPM

ID File: IZPN01::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941101 15:37 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.41	290	7963875	1.88	ug/ml	100
2)	#Alpha-BHC	8.67	561	13029996	2.51	ug/ml	100
3)	#Lindane	9.99	720	11673156	2.44	ug/ml	100
4)	#Gamma-BHC	9.99	720	11673156	2.44	ug/ml	100
5)	#Beta-BHC	10.22	747	5966471	2.23	ug/ml	100
6)	#Heptachlor	11.10	853	11229582	2.05	ug/ml	100
7)	#Delta-BHC	11.47	897	10782196	2.60	ug/ml	100
8)	#Aldrin	12.23	988	10271402	2.36	ug/ml	100
9)	#Heptachlor epoxide	14.13	1217	9590624	2.17	ug/ml	100
10)	#gamma-Chlordane	14.68	1283	10222904	2.22	ug/ml	100
11)	#alpha-Chlordane	15.23	1348	9814932	2.11	ug/ml	100
12)	#Endosulfan I	15.33	1360	8075267	2.18	ug/ml	100
13)	#4,4'-DDE	16.07	1449	9180948	2.58	ug/ml	100
14)	#Dieldrin	16.37	1485	9655640	2.48	ug/ml	100
15)	#Endrin	17.61	1634	8198851	2.45	ug/ml	100
16)	#4,4'-DDD	17.93	1673	7191700	2.69	ug/ml	100
17)	#Endosulfan II	18.21	1706	7922236	2.26	ug/ml	100
18)	#4,4'-DDT	18.93	1793	7751133	2.66	ug/ml	100
19)	#Endrin aldehyde	19.30	1837	6506892	2.15	ug/ml	100
20)	#Endosulfan sulfate	19.71	1886	7471627	2.27	ug/ml	100
21)	#Methoxychlor	22.27	2193	4496684	2.48	ug/ml	100
22)	#Endrin ketone	22.91	2270	9209682	2.29	ug/ml	100
23)	#Decachlorobiphenyl	30.22	3148	8895278	1.57	ug/ml	100

Compound uses ESTD

Calibration Report

Title: 8080 PESTICIDES BY GC, COLUMN DB5, ECD, B2R
Calibrated: 941104 15:02

Compound	Files: >Y7138 RF .0200	>Y7139 RF .0500	>Y7140 RF .100	>Y7141 RF 1.00	>Y7142 RF 2.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	
2,4,5,6-Tetrachloro-m-xylene	1478400	1539840	1594240	1434994	1315837	7.937	1472662	7.229	.999072	
Alpha-BHC	1169600	1557760	1952320	2177773	2038387	9.208	1779168	23.117	.999351	— L
Gamma-BHC	1214400	1536640	1840960	1959382	1832735	10.263	1676823	18.004	.999365	
Lindane	1214400	1536640	1840960	1959382	1832735	10.263	1676823	18.004	.999365	
Beta-BHC	860750.	931180.	1004800	985511.	925114.	9.902	941471.	6.018	.999484	
Heptachlor	1747200	1791980	1901110	1855859	1729406	12.692	1805111	4.019	.999366	
Delta-BHC	971200.	1237120	1550080	1821769	1730648	11.088	1462164	24.200	.999580	— L
Aldrin	1323150	1435500	1603520	1731730	1633781	13.922	1545536	10.601	.999525	
Heptachlor epoxide	1508750	1503360	1593920	1606302	1519023	15.172	1546271	3.212	.999598	
gamma-Chlordane	1612750	1585900	1641270	1627496	1537516	15.955	1600986	2.560	.999594	
alpha-Chlordane	1412800	1472000	1545425	1439925	1335926	16.408	1441215	5.341	.999300	(Conc=.0400,.100,.200,2.00
Endosulfan I	1412800	1472000	1545425	1439925	1335926	16.408	1441215	5.341	.999300	(Conc=.0400,.100,.200,2.00
4,4'-DDE	1055950	1135980	1287360	1479536	1413703	16.980	1274506	14.065	.999681	
Dieldrin	1227200	1267840	1383350	1589328	1521870	17.333	1397917	11.213	.999713	
Endrin	1075150	1147500	1282560	1449519	1395780	18.058	1270102	12.522	.999778	
4,4'-DDD	1051975	1130230	1215035	1187537	1115444	18.383	1140044	5.606	.999496	(Conc=.0400,.100,.200,2.00
Endosulfan II	1051975	1130230	1215035	1187537	1115444	18.383	1140044	5.606	.999496	(Conc=.0400,.100,.200,2.00
4,4'-DDT	992000.	1122240	1197270	1233917	1170020	19.637	1143089	8.203	.999622	(Conc=.0400,.100,.200,2.00
Endrin aldehyde	1217600	1157100	1158730	1117847	1067568	18.850	1143769	4.854	.999750	
Endosulfan sulfate	992000.	1122240	1197270	1233917	1170020	19.637	1143089	8.203	.999622	(Conc=.0400,.100,.200,2.00
Methoxychlor	667800.	686560.	691300.	710147.	690293.	21.658	689220.	2.188	.999896	
Endrin ketone	1336000	1470140	1540800	1592201	1506696	21.483	1479167	6.871	.999592	
Decachlorobiphenyl	2416250	2299680	2241700	1744857	1584398	32.527	2057377	17.906	.998932	
Dichloran	-	-	-	-	-	-	-	-	-	
Hexachlopentadiene	-	-	-	-	-	-	-	-	-	

RF - Response Factor (Subscript is amount in ug/ml)

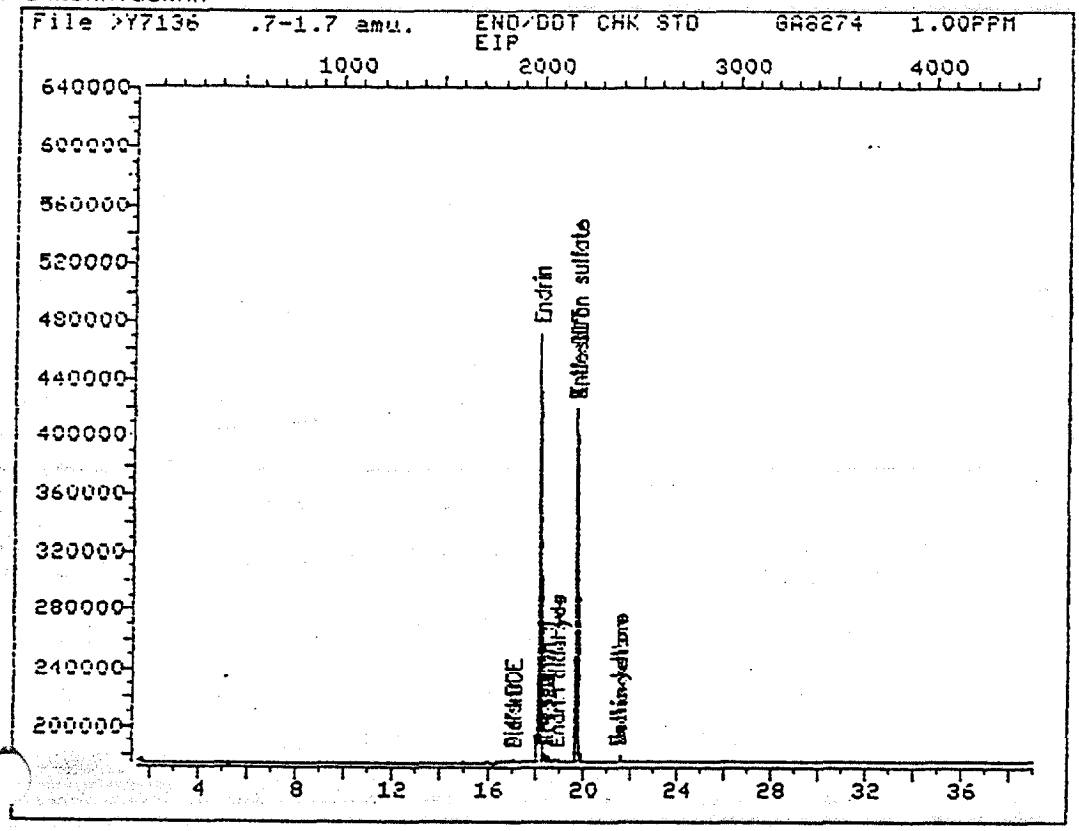
$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CHROMATOGRAM



Data File: >Y7136::D5 Quant Output File: ^Y7136::D5
Name: END/DDT CHK STD Instrument ID: Y
Misc: GA8274 1.00PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 09:40
Injected at: 941104 08:59

QUANT REPORT

Operator ID: USER6
Output File: ^Y7136::D5
Data File: >Y7136::D5
Name: END/DDT CHK STD
Misc: GA8274 1.00PPM

Quant Rev: 7 Quant Time: 941104 09:40
Injected at: 941104 08:59
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

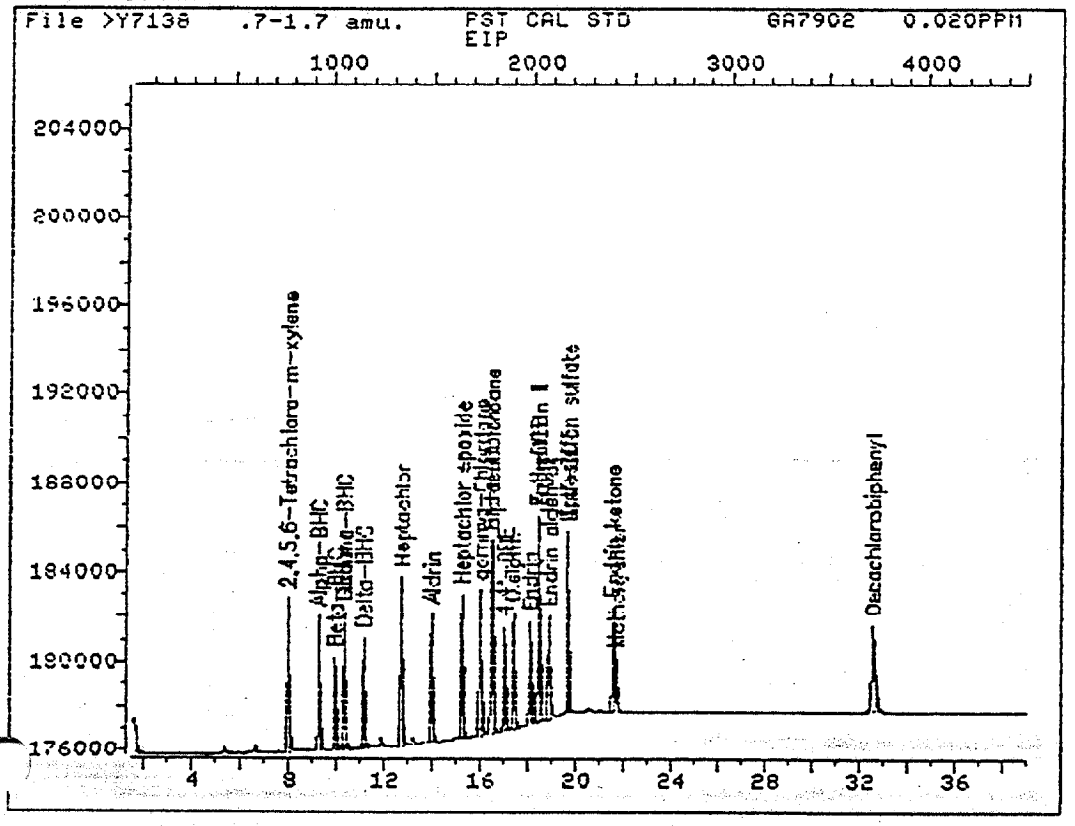
Compound	R.T.	Scan#	Area	Conc	Units	q
13) #4,4'-DDE	16.98	1859	10144	.00832	ug/ml	100
14) #Dieldrin	16.98	1859	10144	.00726	ug/ml	100
15) #Endrin	18.07	1989	1469607	1.22	ug/ml	100
16) #Endosulfan II	18.39	2028	12927	.0118	ug/ml	100
17) #4,4'-DDD	18.39	2028	12927	.0118	ug/ml	100
18) #Endrin aldehyde	18.87	2085	7519	.00718	ug/ml	100
19) #4,4'-DDT	19.65	2179	1216684	1.17	ug/ml	100
20) #Endosulfan sulfate	19.65	2179	1216684	1.17	ug/ml	100
21) #Endrin ketone	21.49	2400	12000	.00877	ug/ml	100
22) #Methoxychlor	21.49	2400	12000	.0227	ug/ml	100

Compound uses ESTD

$$\text{End} - \frac{7519 + 12000}{7519 + 12000 + 1469607} = \frac{19519}{1489126} = 1,31\%$$

$$\text{DDT} - \frac{10144 + 12927}{10144 + 12927 + 1216684} = \frac{23071}{1239755} = 1,86\%$$

CHROMATOGRAM



Data File: >Y7138::D5 Quant Output File: ^Y7138::D5
Name: PST CAL STD Instrument ID: Y
Misc: GA7902 0.020PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 11:43
Injected at: 941104 11:02

QUANT REPORT Page 1

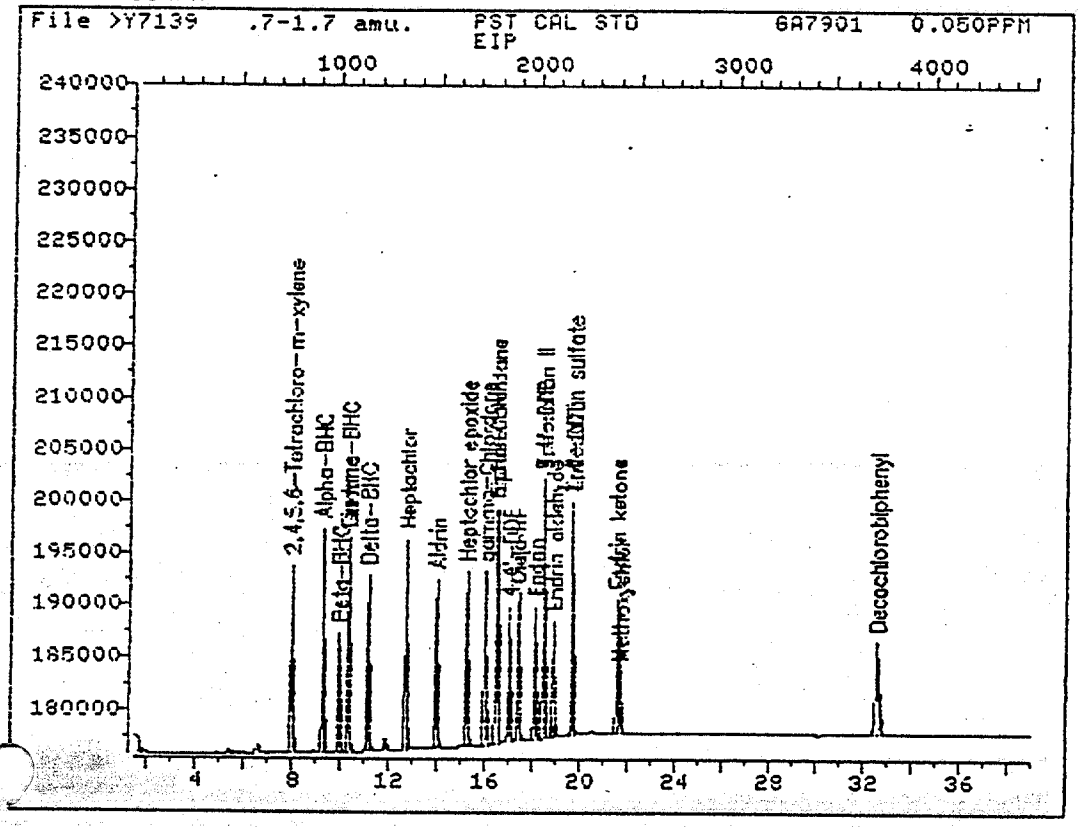
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 11:43
Output File: ^Y7138::D5 Injected at: 941104 11:02
Data File: >Y7138::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Y
Misc: GA7902 0.020PPM

ID File: IYPN01::05
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.94	774	29568	.0212	ug/ml	100
2)	#Alpha-BHC	9.21	926	23392	.0132	ug/ml	100
3)	#Beta-BHC	9.91	1010	17215	.0191	ug/ml	100
4)	#Gamma-BHC	10.27	1053	24288	.0123	ug/ml	100
5)	#Lindane	10.27	1053	24288	.0123	ug/ml	100
6)	#Delta-BHC	11.09	1152	19424	.0186	ug/ml	100
7)	#Heptachlor	12.69	1344	34944	.0211	ug/ml	100
8)	#Aldrin	13.92	1492	26463	.0173	ug/ml	100
9)	#Heptachlor epoxide	15.17	1642	30175	.0201	ug/ml	100
10)	#gamma-Chlordane	15.96	1736	32255	.0201	ug/ml	100
11)	#alpha-Chlordane	16.41	1790	56512	.0389	ug/ml	100
12)	#Endosulfan I	16.41	1790	56512	.0389	ug/ml	100
13)	#4,4'-DDE	16.98	1859	21119	.0173	ug/ml	100
14)	#Dieldrin	17.33	1901	24544	.0176	ug/ml	100
15)	#Endrin	18.06	1988	21503	.0179	ug/ml	100
16)	#Endosulfan II	18.38	2027	42079	.0383	ug/ml	100
17)	#4,4'-DDD	18.38	2027	42079	.0383	ug/ml	100
18)	#Endrin aldehyde	18.85	2083	24352	.0232	ug/ml	100
19)	#4,4'-DDT	19.63	2177	39680	.0381	ug/ml	100
20)	#Endosulfan sulfate	19.63	2177	39680	.0381	ug/ml	100
21)	#Endrin ketone	21.48	2399	26720	.0195	ug/ml	100
22)	#Methoxychlor	21.66	2420	13356	.0252	ug/ml	100
23)	#Decachlorobiphenyl	32.53	3724	48325	.0248	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7139::D5 Quant Output File: ^Y7139::D5
Name: PST CAL STD Instrument ID: Y
Misc: GA7901 0.050PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 12:27
Injected at: 941104 11:46

QUANT REPORT Page 1

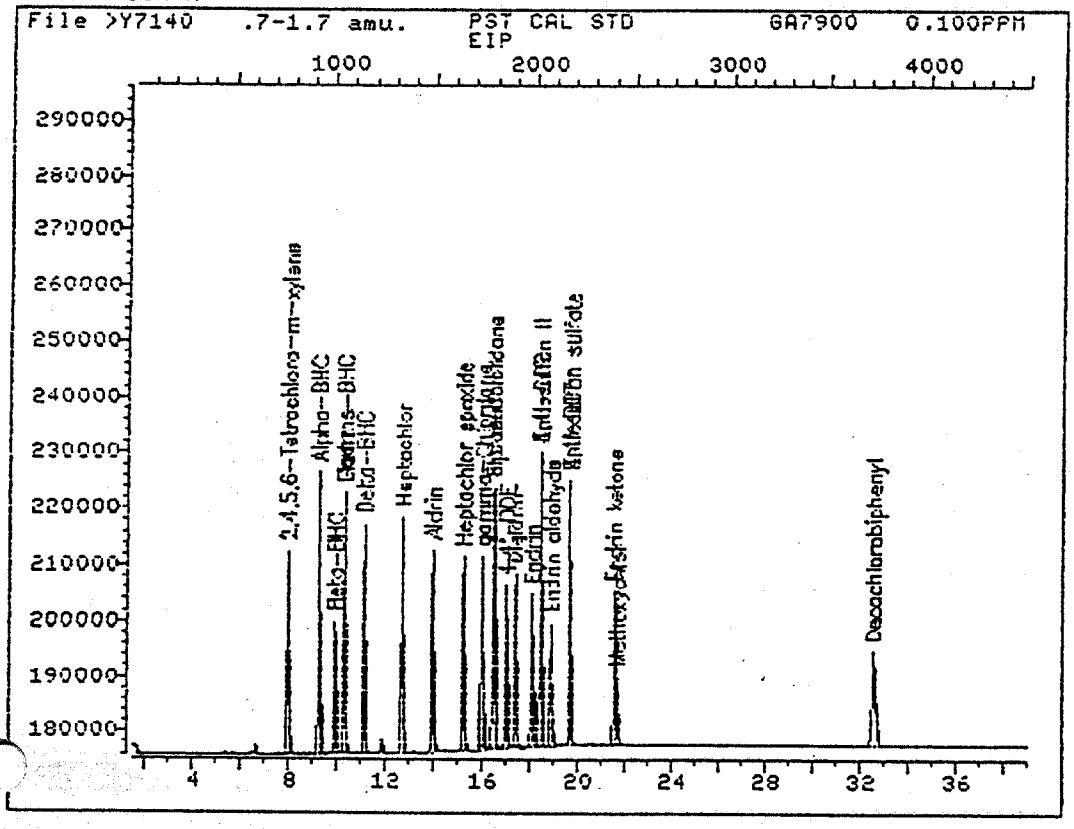
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 12:27
Output File: ^Y7139::D5 Injected at: 941104 11:46
Data File: >Y7139::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Y
Misc: GA7901 0.050PPM

ID File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.93	773	76992	.0552	ug/ml	100
2)	#Alpha-BHC	9.21	926	77888	.0391	ug/ml	100
3)	#Beta-BHC	9.90	1009	46559	.0516	ug/ml	100
4)	#Gamma-BHC	10.27	1053	76832	.0400	ug/ml	100
5)	#Lindane	10.27	1053	76832	.0400	ug/ml	100
6)	#Delta-BHC	11.09	1152	61856	.0427	ug/ml	100
7)	#Heptachlor	12.69	1344	89599	.0540	ug/ml	100
8)	#Aldrin	13.92	1492	71775	.0469	ug/ml	100
9)	#Heptachlor epoxide	15.17	1642	75168	.0502	ug/ml	100
10)	#gamma-Chlordane	15.96	1736	79295	.0494	ug/ml	100
11)	#alpha-Chlordane	16.41	1790	147200	.101	ug/ml	100
12)	#Endosulfan I	16.41	1790	147200	.101	ug/ml	100
13)	#4,4'-DDE	16.98	1859	56799	.0466	ug/ml	100
14)	#Dieldrin	17.33	1901	63392	.0454	ug/ml	100
15)	#Endrin	18.06	1988	57375	.0477	ug/ml	100
16)	#Endosulfan II	18.38	2027	113023	.103	ug/ml	100
17)	#4,4'-DDD	18.38	2027	113023	.103	ug/ml	100
18)	#Endrin aldehyde	18.85	2083	57855	.0552	ug/ml	100
19)	#4,4'-DDT	19.64	2178	112224	.108	ug/ml	100
20)	#Endosulfan sulfate	19.64	2178	112224	.108	ug/ml	100
21)	#Endrin ketone	21.48	2399	71007	.0519	ug/ml	100
22)	#Methoxychlor	21.66	2420	34328	.0649	ug/ml	100
23)	#Decachlorobiphenyl	32.53	3725	114984	.0590	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7140::D5 Quant Output File: ^Y7140::D5
Name: PST CAL STD Instrument ID: Y
Misc: GA7900 0.100PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 13:12
Injected at: 941104 12:31

QUANT REPORT Page 1

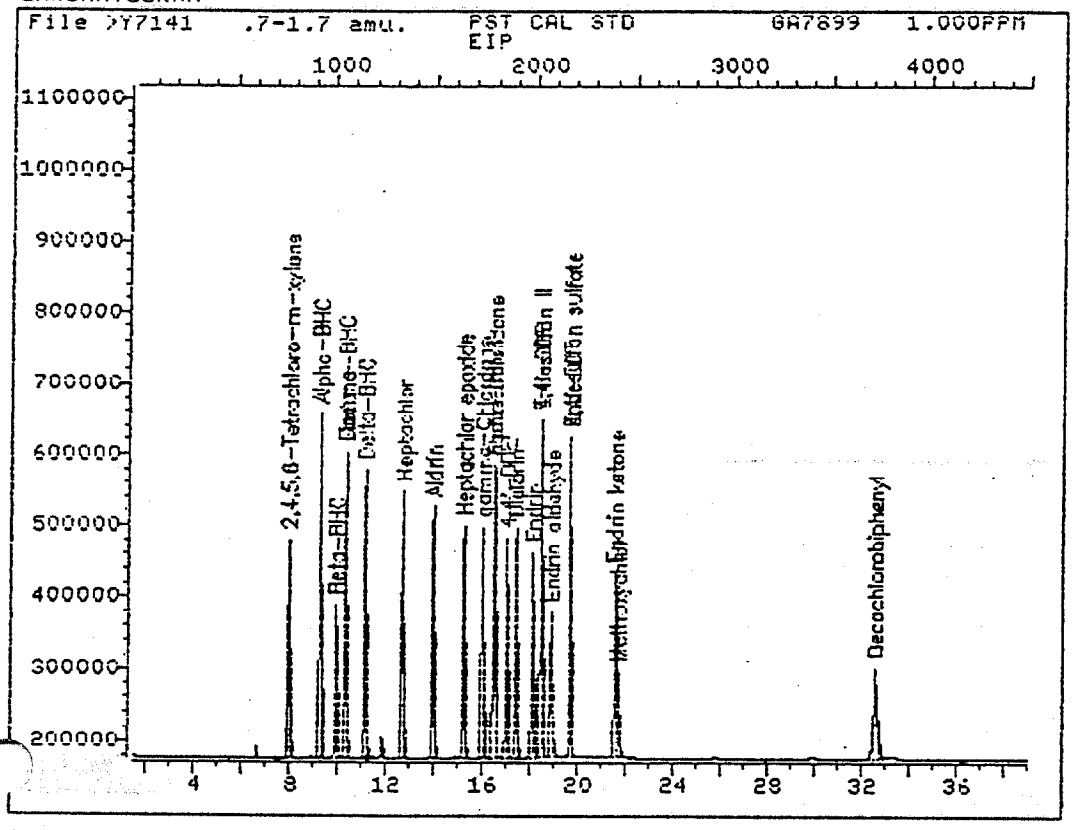
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 13:12
Output File: ^Y7140::D5 Injected at: 941104 12:31
Data File: >Y7140::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Y
Misc: GA7900 0.100PPM

ID File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.94	774	159424	.114	ug/ml	100
2)	#Alpha-BHC	9.21	926	195232	.0950	ug/ml	100
3)	#Beta-BHC	9.90	1009	100480	.111	ug/ml	100
4)	#Gamma-BHC	10.27	1053	184096	.0965	ug/ml	100
5)	#Lindane	10.27	1053	184096	.0965	ug/ml	100
6)	#Delta-BHC	11.09	1152	155008	.0958	ug/ml	100
7)	#Heptachlor	12.69	1344	190111	.115	ug/ml	100
8)	#Aldrin	13.92	1492	160352	.105	ug/ml	100
9)	#Heptachlor epoxide	15.17	1642	159392	.106	ug/ml	100
10)	#gamma-Chlordane	15.96	1736	164127	.102	ug/ml	100
11)	#alpha-Chlordane	16.41	1790	309085	.213	ug/ml	100
12)	#Endosulfan I	16.41	1790	309085	.213	ug/ml	100
13)	#4,4'-DDE	16.98	1859	128736	.106	ug/ml	100
14)	#Dieldrin	17.33	1901	138335	.0990	ug/ml	100
15)	#Endrin	18.06	1988	128256	.107	ug/ml	100
16)	#Endosulfan II	18.38	2027	243007	.221	ug/ml	100
17)	#4,4'-DDD	18.38	2027	243007	.221	ug/ml	100
18)	#Endrin aldehyde	18.85	2083	115873	.111	ug/ml	100
19)	#4,4'-DDT	19.64	2178	239454	.230	ug/ml	100
20)	#Endosulfan sulfate	19.64	2178	239454	.230	ug/ml	100
21)	#Endrin ketone	21.48	2399	154080	.113	ug/ml	100
22)	#Methoxychlor	21.66	2420	69130	.131	ug/ml	100
23)	#Decachlorobiphenyl	32.53	3724	224170	.115	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7141::D5 Quant Output File: ^Y7141::D5
Name: PST CAL STD Instrument ID: Y
Misc: GA7899 1.000PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 13:57
Injected at: 941104 13:15

QUANT REPORT Page 1

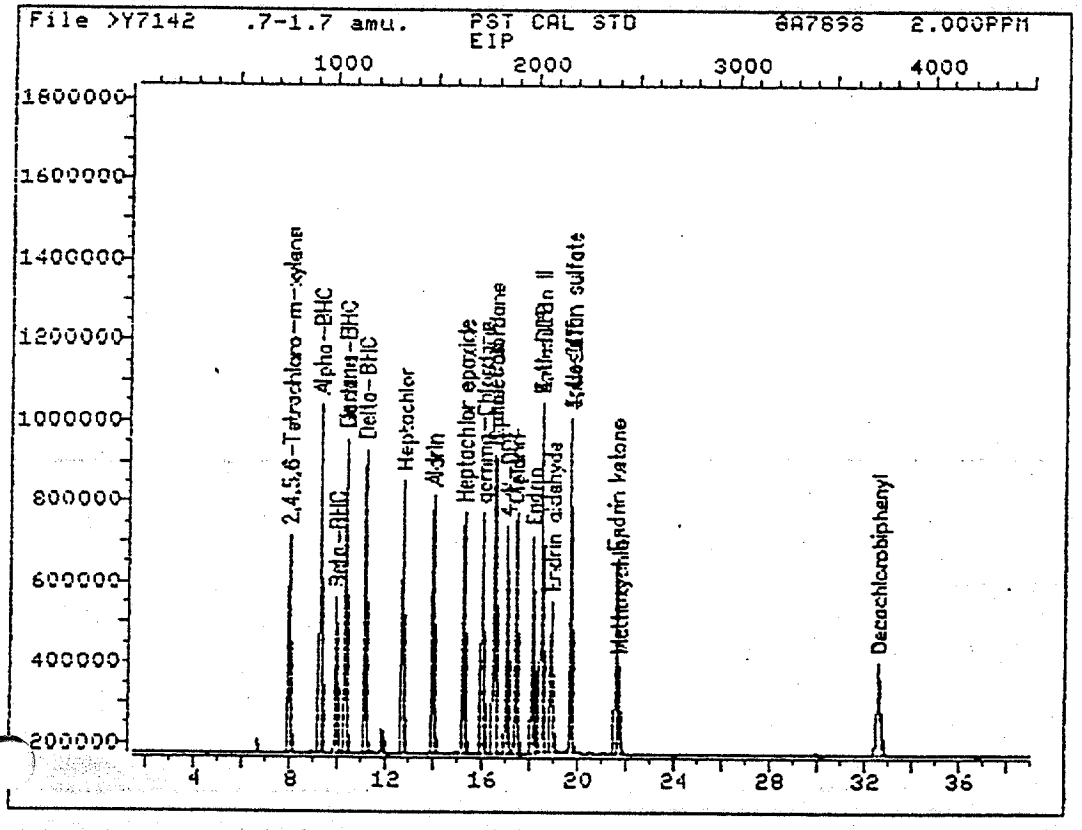
Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 13:57
Output File: ^Y7141::D5 Injected at: 941104 13:15
Data File: >Y7141::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Y
Misc: GA7899 1.000PPM

ID File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.93	773	1434994	1.03	ug/ml	100
2)	#Alpha-BHC	9.21	926	2177773	1.04	ug/ml	100
3)	#Beta-BHC	9.90	1009	985511	1.09	ug/ml	100
4)	#Gamma-BHC	10.26	1052	1959382	1.03	ug/ml	100
5)	#Lindane	10.26	1052	1959382	1.03	ug/ml	100
6)	#Delta-BHC	11.08	1151	1821769	1.04	ug/ml	100
7)	#Heptachlor	12.69	1344	1855859	1.12	ug/ml	100
8)	#Aldrin	13.92	1491	1731730	1.13	ug/ml	100
9)	#Heptachlor epoxide	15.17	1641	1606302	1.07	ug/ml	100
10)	#gamma-Chlordane	15.95	1735	1627496	1.01	ug/ml	100
11)	#alpha-Chlordane	16.41	1790	2879851	1.98	ug/ml	100
12)	#Endosulfan I	16.41	1790	2879851	1.98	ug/ml	100
13)	#4,4'-DDE	16.97	1858	1479536	1.21	ug/ml	100
14)	#Dieldrin	17.33	1901	1589328	1.14	ug/ml	100
15)	#Endrin	18.06	1988	1449519	1.21	ug/ml	100
16)	#Endosulfan II	18.38	2027	2375075	2.16	ug/ml	100
17)	#4,4'-DDD	18.38	2027	2375075	2.16	ug/ml	100
18)	#Endrin aldehyde	18.85	2083	1117847	1.07	ug/ml	100
19)	#4,4'-DDT	19.63	2177	2467835	2.37	ug/ml	100
20)	#Endosulfan sulfate	19.63	2177	2467835	2.37	ug/ml	100
21)	#Endrin ketone	21.48	2399	1592201	1.16	ug/ml	100
22)	#Methoxychlor	21.66	2420	710147	1.34	ug/ml	100
23)	#Decachlorobiphenyl	32.53	3724	1744857	.896	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7142::D5 Quant Output File: ^Y7142::D5
Name: PST CAL STD Instrument ID: Y
Misc: GA7898 2.000PPM

Id File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941104 14:41
Injected at: 941104 14:00

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941104 14:41
Output File: ^Y7142::D5 Injected at: 941104 14:00
Data File: >Y7142::D5 Dilution Factor: 1.00000
Name: PST CAL STD Instrument ID: Y
Misc: GA7898 2.000PPM

ID File: IYPN01::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941101 15:34 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.93	773	2631675	1.89	ug/ml	100
2)	#Alpha-BHC	9.21	926	4076774	1.94	ug/ml	100
3)	#Beta-BHC	9.90	1009	1850228	2.05	ug/ml	100
4)	#Gamma-BHC	10.26	1052	3665471	1.93	ug/ml	100
5)	#Lindane	10.26	1052	3665471	1.93	ug/ml	100
6)	#Delta-BHC	11.08	1151	3461297	1.98	ug/ml	100
7)	#Heptachlor	12.69	1344	3458811	2.09	ug/ml	100
8)	#Aldrin	13.92	1491	3267562	2.14	ug/ml	100
9)	#Heptachlor epoxide	15.17	1641	3038045	2.03	ug/ml	100
10)	#gamma-Chlordane	15.95	1735	3075033	1.91	ug/ml	100
11)	#alpha-Chlordane	16.41	1790	5343704	3.68	ug/ml	100
12)	#Endosulfan I	16.41	1790	5343704	3.68	ug/ml	100
13)	#4,4'-DDE	16.97	1858	2827407	2.32	ug/ml	100
14)	#Dieldrin	17.33	1901	3043740	2.18	ug/ml	100
15)	#Endrin	18.06	1988	2791560	2.32	ug/ml	100
16)	#Endosulfan II	18.38	2027	4461777	4.06	ug/ml	100
17)	#4,4'-DDD	18.38	2027	4461777	4.06	ug/ml	100
18)	#Endrin aldehyde	18.85	2083	2135136	2.04	ug/ml	100
19)	#4,4'-DDT	19.63	2177	4680080	4.50	ug/ml	100
20)	#Endosulfan sulfate	19.63	2177	4680080	4.50	ug/ml	100
21)	#Endrin ketone	21.48	2399	3013392	2.20	ug/ml	100
22)	#Methoxychlor	21.66	2420	1380587	2.61	ug/ml	100
23)	#Decachlorobiphenyl	32.53	3724	3168795	1.63	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: PESTICIDES DB-608 BY ECD/GC (B2 FRONT)
Calibrated: 941104 14:57

Check Standard Data File: >Z7407
Injection Time: 941116 08:06

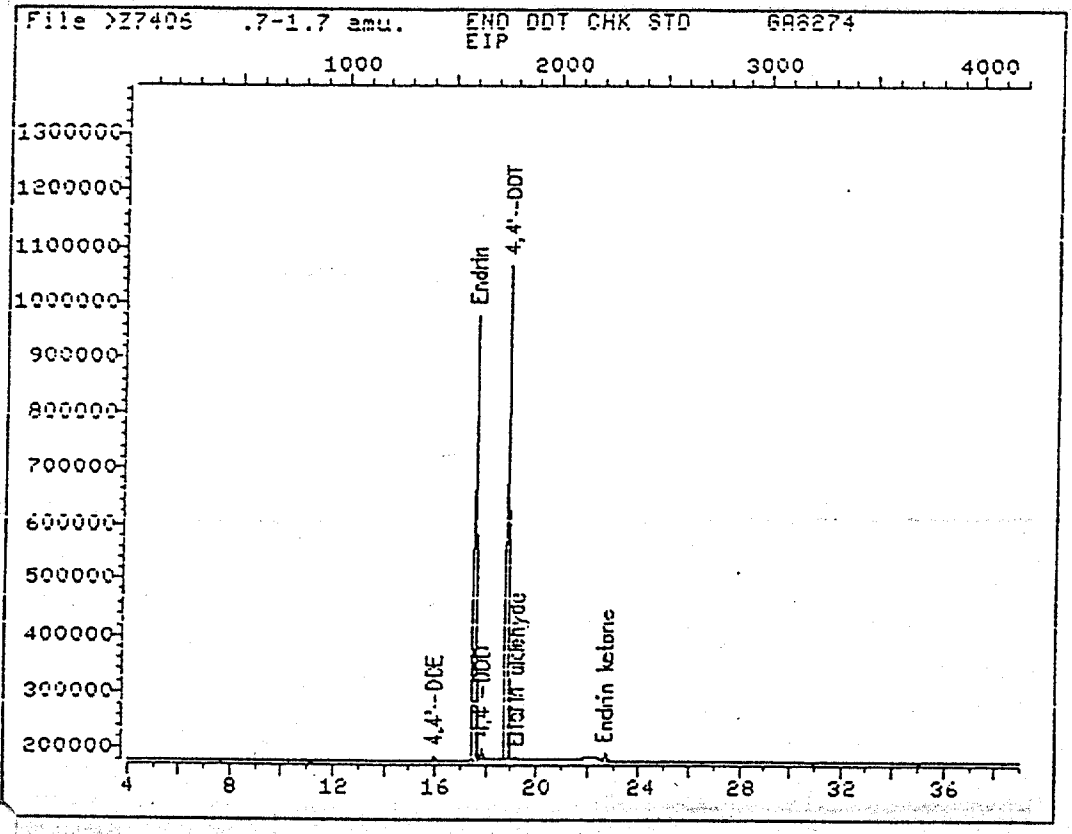
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	5226257	5339689	2.17	Average	(Conc=.938)
Alpha-BHC	6497414	6595450	1.51	Average	(Conc=1.25)
Lindane	5996225	6160782	2.74	Average	(Conc=1.17)
Gamma-BHC	5996225	6160782	2.74	Average	(Conc=1.17)
Beta-BHC	3475782	3552247	2.20	Average	(Conc=1.01)
Heptachlor	6598557	6512164	1.31	Average	(Conc=.980)
Delta-BHC	5121567	5536435	8.10	Average	(Conc=1.20)
Aldrin	5517611	5421924	1.73	Average	(Conc=1.14)
Heptachlor epoxide	5501886	5548695	.85	Average	(Conc=1.04)
gamma-Chlordane	5699064	5972725	4.80	Average	(Conc=1.03)
alpha-Chlordane	5661489	5829426	2.97	Average	(Conc=1.00)
Endosulfan I	4599176	4356765	5.27	Average	(Conc=1.18)
4,4'-DDE	4551002	4609085	1.28	Average	(Conc=1.20)
Dieldrin	4877610	4941693	1.31	Average	(Conc=1.15)
Endrin	4023892	3591718	10.74	Average	(Conc=1.21)
4,4'-DDD	3420717	3338844	2.39	Average	(Conc=1.25)
Endosulfan II	4285275	4318128	.77	Average	(Conc=1.14)
4'-DDT	3666711	3713204	1.27	Average	(Conc=1.21)
Endrin aldehyde	3683685	3844425	4.36	Average	(Conc=.968)
Endosulfan sulfate	3854317	3988743	3.49	Average	(Conc=1.08)
Methoxychlor	2389409	2494129	4.38	Average	(Conc=1.06)
Endrin ketone	4611354	5044141	9.39	Average	(Conc=1.02)
Decachlorobiphenyl	6092358	6649021	9.14	Average	(Conc=.824)
Hexachlorocyclopentadiene	-	-	-	Average	(Conc=1.00)
Hexachlorobenzene	-	-	-	Average	(Conc=1.00)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Z7406::D5 Quant Output File: ^Z7406::D5
Name: END DDT CHK STD Instrument ID: Z
Misc: GA8274

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 09:19
Injected at: 941116 07:22

QUANT REPORT Page 1

Operator ID: USER2
Output File: ^Z7406::D5
Data File: >Z7406::D5
Name: END DDT CHK STD
Misc: GA8274

Quant Rev: 7 Quant Time: 941116 09:19
Injected at: 941116 07:22
Dilution Factor: 1.00000
Instrument ID: Z

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

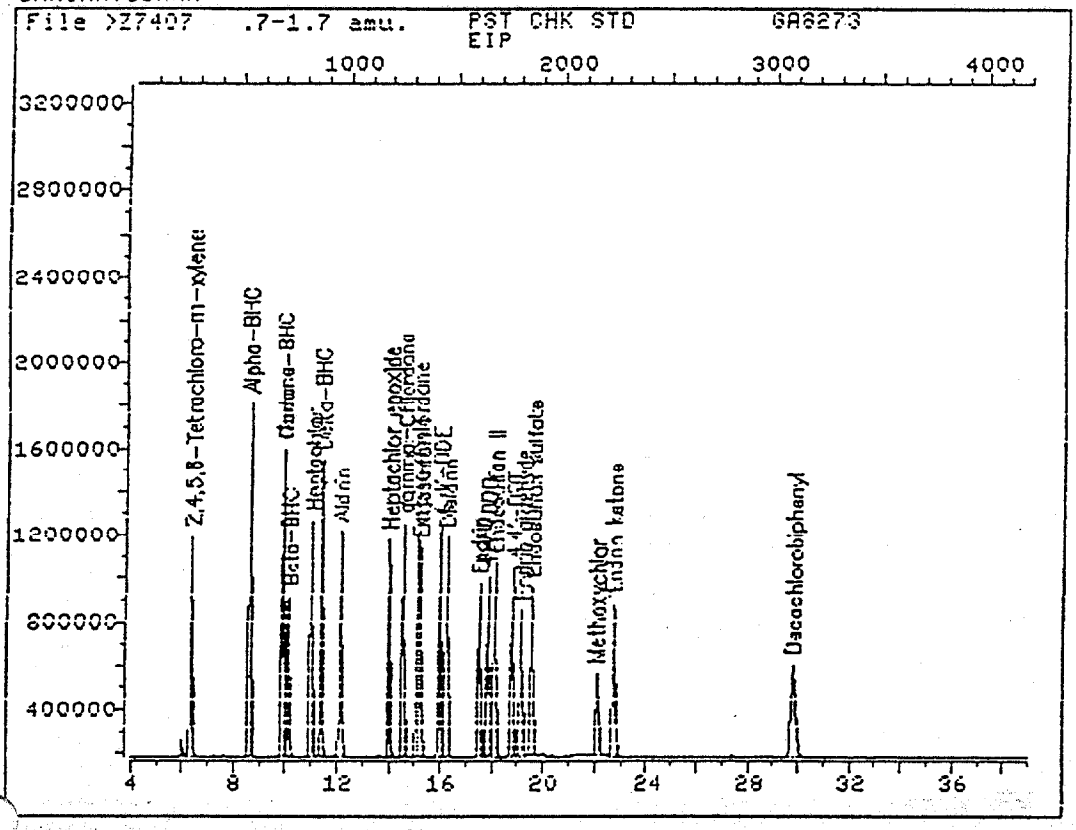
	Compound	R.T.	Scan#	Area	Conc	Units	q
13)	#4,4'-DDE	15.92	1432	44064	.00968	ug/ml	100
15)	#Endrin	17.44	1614	4522278	1.12	ug/ml	100
16)	#4,4'-DDD	17.78	1655	100543	.0294	ug/ml	100
18)	#4,4'-DDT	18.78	1774	4646019	1.27	ug/ml	100
19)	#Endrin aldehyde	19.13	1817	22176	.00602	ug/ml	100
22)	#Endrin ketone	22.64	2238	124575	.0270	ug/ml	100

Compound uses ESTD

$$End - \frac{22176 + 124575}{22176 + 124575 + 4522278} = \frac{146751}{4669029} = 3.14$$

$$DDT - \frac{44064 + 100543}{44064 + 100543 + 4646019} = \frac{144607}{4790626} = 3.02$$

CHROMATOGRAM



Data File: >Z7407::D5 Quant Output File: ^Z7407::D5
Name: PST CHK STD Instrument ID: Z
Misc: GA8273

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 09:20
Injected at: 941116 08:06

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 09:20
Output File: ^Z7407::D5 Injected at: 941116 08:06
Data File: >Z7407::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Z
Misc: GA8273

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.31	278	5008628	.958	ug/ml	100
2)	#Alpha-BHC	8.54	546	8244313	1.27	ug/ml	100
3)	#Lindane	9.86	704	7208115	1.20	ug/ml	100
4)	#Gamma-BHC	9.86	704	7208115	1.20	ug/ml	100
5)	#Beta-BHC	10.08	731	3587770	1.03	ug/ml	100
6)	#Heptachlor	10.96	836	6381921	.967	ug/ml	100
7)	#Delta-BHC	11.33	881	6643723	1.30	ug/ml	100
8)	#Aldrin	12.08	970	6180994	1.12	ug/ml	100
9)	#Heptachlor epoxide	13.98	1199	5770642	1.05	ug/ml	100
10)	#gamma-Chlordane	14.52	1264	6151906	1.08	ug/ml	100
11)	#alpha-Chlordane	15.08	1330	5829426	1.03	ug/ml	100
12)	#Endosulfan I	15.17	1341	5140983	1.12	ug/ml	100
13)	#4,4'-DDE	15.92	1431	5530902	1.22	ug/ml	100
14)	#Dieldrin	16.21	1466	5682947	1.17	ug/ml	100
15)	#Endrin	17.44	1614	4345979	1.08	ug/ml	100
16)	#4,4'-DDD	17.78	1654	4173555	1.22	ug/ml	100
17)	#Endosulfan II	18.03	1685	4922667	1.15	ug/ml	100
18)	#4,4'-DDT	18.78	1774	4492977	1.23	ug/ml	100
19)	#Endrin aldehyde	19.13	1816	3721404	1.01	ug/ml	100
20)	#Endosulfan sulfate	19.53	1865	4307842	1.12	ug/ml	100
21)	#Methoxychlor	22.04	2166	2643777	1.11	ug/ml	100
22)	#Endrin ketone	22.65	2239	5145024	1.12	ug/ml	100
23)	#Decachlorobiphenyl	29.78	3095	5478793	.899	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: PESTICIDES DB-608 BY ECD/GC (82 FRONT)
Calibrated: 941104 14:57

Check Standard Data File: >Z7415
Injection Time: 941116 20:36

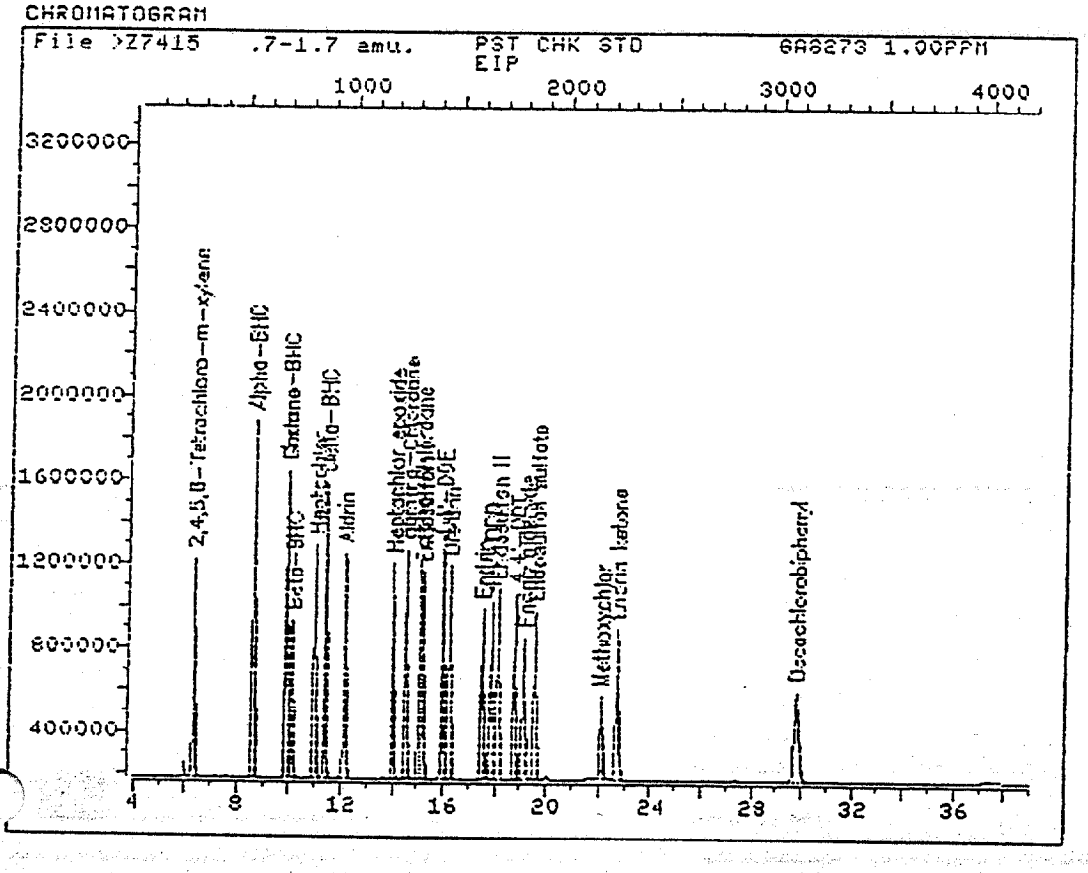
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	5226257	5485770	4.97	Average	(Conc=.938)
Alpha-BHC	6497414	6781305	4.37	Average	(Conc=1.25)
Lindane	5996225	6326114	5.50	Average	(Conc=1.17)
Gamma-BHC	5996225	6326114	5.50	Average	(Conc=1.17)
Beta-BHC	3475782	3642894	4.81	Average	(Conc=1.01)
Heptachlor	6598557	6733453	2.04	Average	(Conc=.980)
Delta-BHC	5121567	5722247	11.73	Average	(Conc=1.20)
Aldrin	5517611	5559354	.76	Average	(Conc=1.14)
Heptachlor epoxide	5501886	5701405	3.63	Average	(Conc=1.04)
gamma-Chlordane	5699064	6123406	7.45	Average	(Conc=1.03)
alpha-Chlordane	5661489	5732724	1.26	Average	(Conc=1.00)
Endosulfan I	4599176	4715988	2.54	Average	(Conc=1.18)
4,4'-DDE	4551002	4740951	4.17	Average	(Conc=1.20)
Dieldrin	4877610	5103945	4.64	Average	(Conc=1.15)
Endrin	4023892	3804769	5.45	Average	(Conc=1.21)
4,4'-DDD	3420717	3448182	.80	Average	(Conc=1.25)
Endosulfan II	4285275	4463782	4.17	Average	(Conc=1.14)
4,4'-DDT	3666711	3858185	5.22	Average	(Conc=1.21)
Endrin aldehyde	3683685	3985336	8.19	Average	(Conc=.968)
Endosulfan sulfate	3854317	4127817	7.10	Average	(Conc=1.08)
Methoxychlor	2389409	2592654	8.51	Average	(Conc=1.06)
Endrin ketone	4611394	5219131	13.18	Average	(Conc=1.02)
Decachlorobiphenyl	6092358	6865863	12.70	Average	(Conc=.824)
Hexachlorocyclopentadiene	-	-	-	Average	(Conc=1.00)
Hexachlorobenzene	-	-	-	Average	(Conc=1.00)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Z7415::D5
Name: PST CHK STD
Misc: GA8273 1.00PPM

Quant Output File: ^Z7415::D5
Instrument ID: Z

Id File: IZPN04::D5
Title: PESTICIDES D8-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 21:17
Injected at: 941116 20:36

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 21:17
Output File: ^Z7415::D5 Injected at: 941116 20:36
Data File: >Z7415::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Z
Misc: GA8273 1.00PPM

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.30	277	5145652	.985	ug/ml	100
2)	#Alpha-BHC	8.53	545	8476632	1.30	ug/ml	100
3)	#Lindane	9.85	703	7401554	1.23	ug/ml	100
4)	#Gamma-BHC	9.85	703	7401554	1.23	ug/ml	100
5)	#Beta-BHC	10.08	731	3679323	1.06	ug/ml	100
6)	#Heptachlor	10.95	835	6598784	1.00	ug/ml	100
7)	#Delta-BHC	11.33	880	6866697	1.34	ug/ml	100
8)	#Aldrin	12.08	970	6337664	1.15	ug/ml	100
9)	#Heptachlor epoxide	13.98	1198	5929461	1.08	ug/ml	100
10)	#gamma-Chlordane	14.52	1264	6307108	1.11	ug/ml	100
11)	#alpha-Chlordane	15.07	1329	5732724	1.01	ug/ml	100
12)	#Endosulfan I	15.17	1341	5564857	1.21	ug/ml	100
13)	#4,4'-DDE	15.92	1431	5689142	1.25	ug/ml	100
14)	#Dieldrin	16.21	1466	5869537	1.20	ug/ml	100
15)	#Endrin	17.44	1614	4603771	1.14	ug/ml	100
16)	#4,4'-DDD	17.78	1654	4310228	1.26	ug/ml	100
17)	#Endosulfan II	18.03	1685	5088712	1.19	ug/ml	100
18)	#4,4'-DDT	18.78	1774	4668404	1.27	ug/ml	100
19)	#Endrin aldehyde	19.13	1816	3857806	1.05	ug/ml	100
20)	#Endosulfan sulfate	19.53	1865	4458042	1.16	ug/ml	100
21)	#Methoxychlor	22.04	2166	2748425	1.15	ug/ml	100
22)	#Endrin ketone	22.65	2239	5323513	1.15	ug/ml	100
23)	#Decachlorobiphenyl	29.78	3094	5657471	.929	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: PESTICIDES 08-608 BY ECD/GC (B2 FRONT)
Calibrated: 941104 14:57

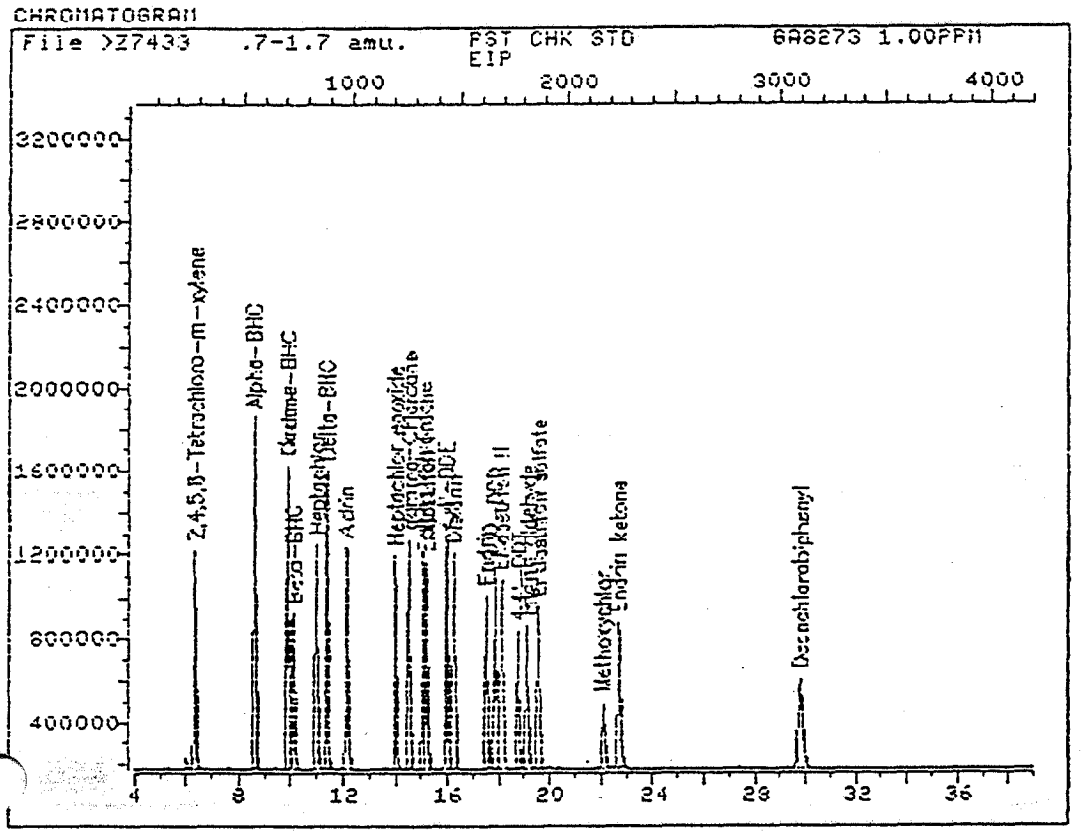
Check Standard Data File: >Z7433
Injection Time: 941117 10:00

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	5226257	5379193	2.93	Average	(Conc=.938)
Alpha-BHC	6497414	6694650	3.04	Average	(Conc=1.25)
Lindane	5996225	6226289	3.84	Average	(Conc=1.17)
Gamma-BHC	5996225	6226289	3.84	Average	(Conc=1.17)
Beta-BHC	3475782	3596382	3.47	Average	(Conc=1.01)
Heptachlor	6598557	6369933	3.46	Average	(Conc=.980)
Delta-BHC	5121567	5718587	11.66	Average	(Conc=1.20)
Aldrin	5517611	5476885	.74	Average	(Conc=1.14)
Heptachlor epoxide	5501866	5613190	2.02	Average	(Conc=1.04)
gamma-Chlordane	5699064	6020321	5.64	Average	(Conc=1.03)
alpha-Chlordane	5661489	5954542	5.18	Average	(Conc=1.00)
Endosulfan I	4599176	4366528	5.06	Average	(Conc=1.18)
4,4'-DDE	4551002	4653725	2.26	Average	(Conc=1.20)
Dieldrin	4877610	5031013	3.15	Average	(Conc=1.15)
Endrin	4023892	3880336	3.57	Average	(Conc=1.21)
4,4'-DDD	3420717	3889454	13.70	Average	(Conc=1.25)
Endosulfan II	4285275	4511726	5.28	Average	(Conc=1.14)
4,4'-DDT	3666711	2797924	23.69	Average	(Conc=1.21) X
Endrin aldehyde	3683685	3956311	7.40	Average	(Conc=.968)
Endosulfan sulfate	3854317	3981739	3.31	Average	(Conc=1.08)
Methoxychlor	2389409	2010843	15.84	Average	(Conc=1.06)
Endrin ketone	4611354	5032283	9.13	Average	(Conc=1.02)
Decachlorobiphenyl	6092358	6726407	10.41	Average	(Conc=.824)
Hexachlorocyclopentadiene	-	-	-	Average	(Conc=1.00)
Hexachlorobenzene	-	-	-	Average	(Conc=1.00)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve



Data File: >Z7433::D5 Quant Output File: ^Z7433::D5
Name: PST CHK STD Instrument ID: Z
Misc: GA8273 1.00PPM

Id File: IZPN04::D5
Title: PESTICIDES D8-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941117 10:41
Injected at: 941117 10:00

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941117 10:41
Output File: ^Z7433::D5 Injected at: 941117 10:00
Data File: >Z7433::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Z
Misc: GA8273 1.00PPM

ID File: [ZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.31	278	5045682	.965	ug/ml	100
2)	#Alpha-BHC	8.54	546	8368313	1.29	ug/ml	100
3)	#Lindane	9.86	704	7284758	1.21	ug/ml	100
4)	#Gamma-BHC	9.86	704	7284758	1.21	ug/ml	100
5)	#Beta-BHC	10.08	731	3632346	1.05	ug/ml	100
6)	#Heptachlor	10.96	836	6242534	.946	ug/ml	100
7)	#Delta-BHC	11.33	881	6862305	1.34	ug/ml	100
8)	#Aldrin	12.08	970	6243650	1.13	ug/ml	100
9)	#Heptachlor epoxide	13.98	1198	5837717	1.06	ug/ml	100
10)	#gamma-Chlordane	14.52	1264	6200930	1.09	ug/ml	100
11)	#alpha-Chlordane	15.07	1329	5954542	1.05	ug/ml	100
12)	#Endosulfan I	15.17	1341	5152504	1.12	ug/ml	100
13)	#4,4'-DDE	15.92	1431	5584470	1.23	ug/ml	100
14)	#Dieldrin	16.21	1466	5785665	1.19	ug/ml	100
15)	#Endrin	17.44	1614	4695206	1.17	ug/ml	100
16)	#4,4'-DDD	17.78	1654	4861818	1.42	ug/ml	100
17)	#Endosulfan II	18.03	1685	5143368	1.20	ug/ml	100
18)	#4,4'-DDT	18.78	1774	3385488	.923	ug/ml	100
19)	#Endrin aldehyde	19.13	1816	3829710	1.04	ug/ml	100
20)	#Endosulfan sulfate	19.53	1865	4300278	1.12	ug/ml	100
21)	#Methoxychlor	22.04	2166	2131493	.892	ug/ml	100
22)	#Endrin ketone	22.65	2239	5132928	1.11	ug/ml	100
23)	#Decachlorobiphenyl	29.78	3094	5542559	.910	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: PESTICIDES 08-608 BY ECD/GC (82 FRONT)
Calibrated: 941104 14:57

Check Standard Data File: >Z7456
Injection Time: 941118 09:53

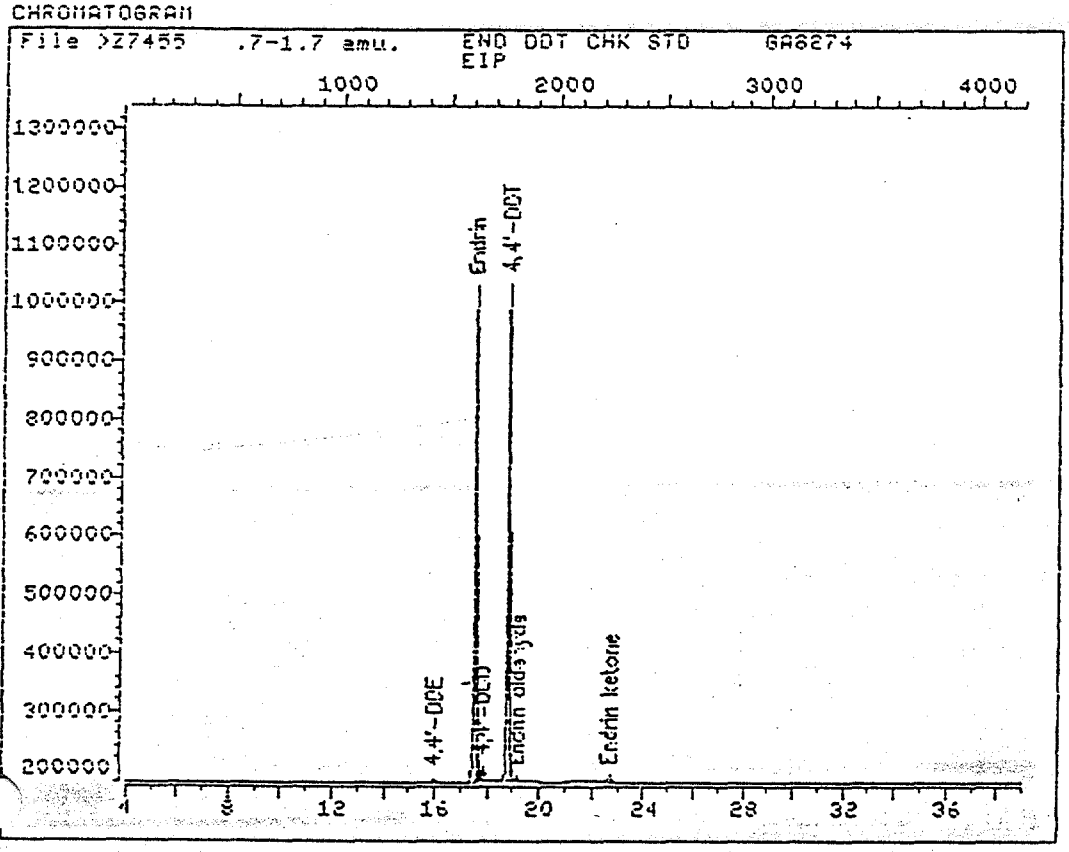
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	5226257	5194358	.61	Average	(Conc=.938)
Alpha-BHC	6497414	6233796	4.06	Average	(Conc=1.25)
Lindane	5996225	5819617	2.95	Average	(Conc=1.17)
Gamma-BHC	5996225	5819617	2.95	Average	(Conc=1.17)
Beta-BHC	3475782	3353435	3.52	Average	(Conc=1.01)
Heptachlor	6598557	6390036	3.16	Average	(Conc=.980)
Delta-BHC	5121567	5188169	1.30	Average	(Conc=1.20)
Aldrin	5517611	5259622	4.68	Average	(Conc=1.14)
Heptachlor epoxide	5501886	5359034	2.60	Average	(Conc=1.04)
gamma-Chlordane	5699064	5655426	.77	Average	(Conc=1.03)
alpha-Chlordane	5661489	5421235	4.24	Average	(Conc=1.00)
Endosulfan I	4599176	4367723	5.03	Average	(Conc=1.18)
4,4'-DDE	4551002	4445005	2.33	Average	(Conc=1.20)
Dieldrin	4877610	4802425	1.54	Average	(Conc=1.15)
Endrin	4023892	3807992	5.37	Average	(Conc=1.21)
[illegible]'-DDD	3420717	3250118	4.99	Average	(Conc=1.25)
[illegible]dosulfan II	4285275	4221485	1.49	Average	(Conc=1.14)
4,4'-DDT	3666711	3566735	2.73	Average	(Conc=1.21)
Endrin aldehyde	3683685	3810871	3.45	Average	(Conc=.968)
Endosulfan sulfate	3854317	3887952	.87	Average	(Conc=1.00)
Methoxychlor	2389409	2407287	.75	Average	(Conc=1.06)
Endrin ketone	4611354	4929349	6.90	Average	(Conc=1.02)
Decachlorobiphenyl	6092358	6491935	6.56	Average	(Conc=.824)
Hexachlorocyclopentadiene	-	-	-	Average	(Conc=1.00)
Hexachlorobenzene	-	-	-	Average	(Conc=1.00)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Z7455::D5 Quant Output File: ^Z7455::D5
Name: END DDT CHK STD Instrument ID: Z
Misc: GA8274

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 09:48
Injected at: 941118 09:08

QUANT REPORT Page 1

Operator ID: USER6
Output File: ^Z7455::D5
Data File: >Z7455::D5
Name: END DDT CHK STD
Misc: GA8274

Quant Rev: 7 Quant Time: 941118 09:48
Injected at: 941118 09:08
Dilution Factor: 1.00000
Instrument ID: Z

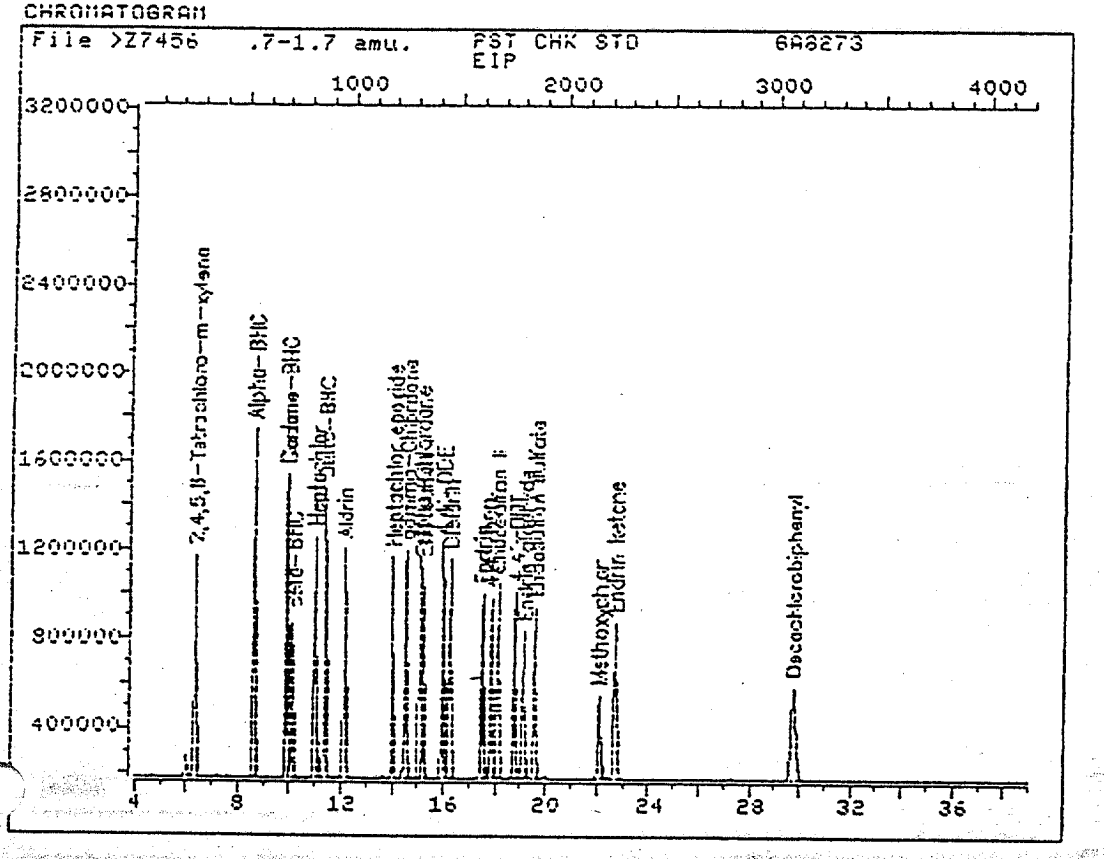
ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
13)	#4,4'-DDE	15.90	1429	40863	.00898	ug/ml	100
15)	#Endrin	17.42	1611	4770183	1.19	ug/ml	100
16)	#4,4'-DDD	17.76	1652	114911	.0336	ug/ml	100
18)	#4,4'-DDT	18.75	1771	4485895	1.22	ug/ml	100
19)	#Endrin aldehyde	19.11	1814	41440	.0112	ug/ml	100
22)	#Endrin ketone	22.62	2235	97760	.0212	ug/ml	100

Compound uses ESTD

End - $\frac{41440 + 97760}{41440 + 97760 + 4770183} = \frac{139200}{4909383} = 2.84\%$

DDT - $\frac{40963 + 114911}{40963 + 114911 + 4485895} = \frac{155774}{4641669} = 3.36\%$



Data File: >Z7456::D5 Quant Output File: ^Z7456::D5
Name: PST CHK STD Instrument ID: Z
Misc: GA8273

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC 82 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 10:33
Injected at: 941118 09:53

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 10:33
Output File: ^Z7456::D5 Injected at: 941118 09:53
Data File: >Z7456::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Z
Misc: GA8273

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	4872307	.932	ug/ml	100
2)	#Alpha-BHC	8.52	543	7792245	1.20	ug/ml	100
3)	#Lindane	9.83	701	6808952	1.14	ug/ml	100
4)	#Gamma-BHC	9.83	701	6808952	1.14	ug/ml	100
5)	#Beta-BHC	10.07	729	3386969	.974	ug/ml	100
6)	#Heptachlor	10.93	833	6262235	.949	ug/ml	100
7)	#Delta-BHC	11.31	878	6225803	1.22	ug/ml	100
8)	#Aldrin	12.06	968	5995970	1.09	ug/ml	100
9)	#Heptachlor epoxide	13.96	1196	5573395	1.01	ug/ml	100
10)	#gamma-Chlordane	14.50	1261	5825089	1.02	ug/ml	100
11)	#alpha-Chlordane	15.05	1327	5421235	.958	ug/ml	100
12)	#Endosulfan I	15.15	1339	5153914	1.12	ug/ml	100
13)	#4,4'-DDE	15.90	1429	5334007	1.17	ug/ml	100
14)	#Dieldrin	16.18	1463	5522789	1.13	ug/ml	100
15)	#Endrin	17.42	1612	4607670	1.15	ug/ml	100
16)	#4,4'-DDD	17.75	1651	4062648	1.19	ug/ml	100
17)	#Endosulfan II	18.02	1683	4812494	1.12	ug/ml	100
18)	#4,4'-DDT	18.76	1772	4315750	1.18	ug/ml	100
19)	#Endrin aldehyde	19.11	1814	3688924	1.00	ug/ml	100
20)	#Endosulfan sulfate	19.51	1862	4198988	1.09	ug/ml	100
21)	#Methoxychlor	22.02	2163	2551724	1.07	ug/ml	100
22)	#Endrin ketone	22.62	2235	5027936	1.09	ug/ml	100
23)	#Decachlorobiphenyl	29.72	3088	5349354	.878	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: PESTICIDES 08-608 BY ECD/GC (B2 FRONT)
Calibrated: 941104 14:57

Check Standard Data File: >Z7463
Injection Time: 941118 17:22

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	5226257	5112517	2.18	Average	(Conc=.938)
Alpha-BHC	6497414	5913155	8.99	Average	(Conc=1.25)
Lindane	5996225	5127672	14.48	Average	(Conc=1.17)
Gamma-BHC	5996225	5127672	14.48	Average	(Conc=1.17)
Beta-BHC	3475782	3168968	8.83	Average	(Conc=1.01)
Heptachlor	6598557	4715858	28.53	Average	(Conc=.980)
Delta-BHC	5121567	4973789	2.89	Average	(Conc=1.20)
Aldrin	5517611	4920986	10.81	Average	(Conc=1.14)
Heptachlor epoxide	5501886	4516363	17.91	Average	(Conc=1.04)
gamma-Chlordane	5699064	4744492	16.75	Average	(Conc=1.03)
alpha-Chlordane	5661489	4495349	20.60	Average	(Conc=1.00)
Endosulfan I	4599176	3919854	14.77	Average	(Conc=1.18)
4,4'-DDE	4551002	4402656	3.26	Average	(Conc=1.20)
Dieldrin	4877610	3820583	21.67	Average	(Conc=1.15)
Endrin	4023892	2294992	42.97	Average	(Conc=1.21)
4,4'-DDD	3420717	3442364	.63	Average	(Conc=1.25)
Endosulfan II	4285275	3800571	11.31	Average	(Conc=1.14)
4,4'-DDT	3666711	1677507	54.25	Average	(Conc=1.21)
Endrin aldehyde	3683685	3014583	18.16	Average	(Conc=.968)
Endosulfan sulfate	3854317	3220425	16.45	Average	(Conc=1.08)
Methoxychlor	2389409	1081067	54.76	Average	(Conc=1.06)
Endrin ketone	4611354	4007047	13.10	Average	(Conc=1.02)
Decachlorobiphenyl	6092358	6025909	1.09	Average	(Conc=.824)
Hexachlorocyclopentadiene	-	-	-	Average	(Conc=1.00)
Hexachlorobenzene	-	64351.0	-	Average	(Conc=1.00)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

QUANT REPORT Page 1

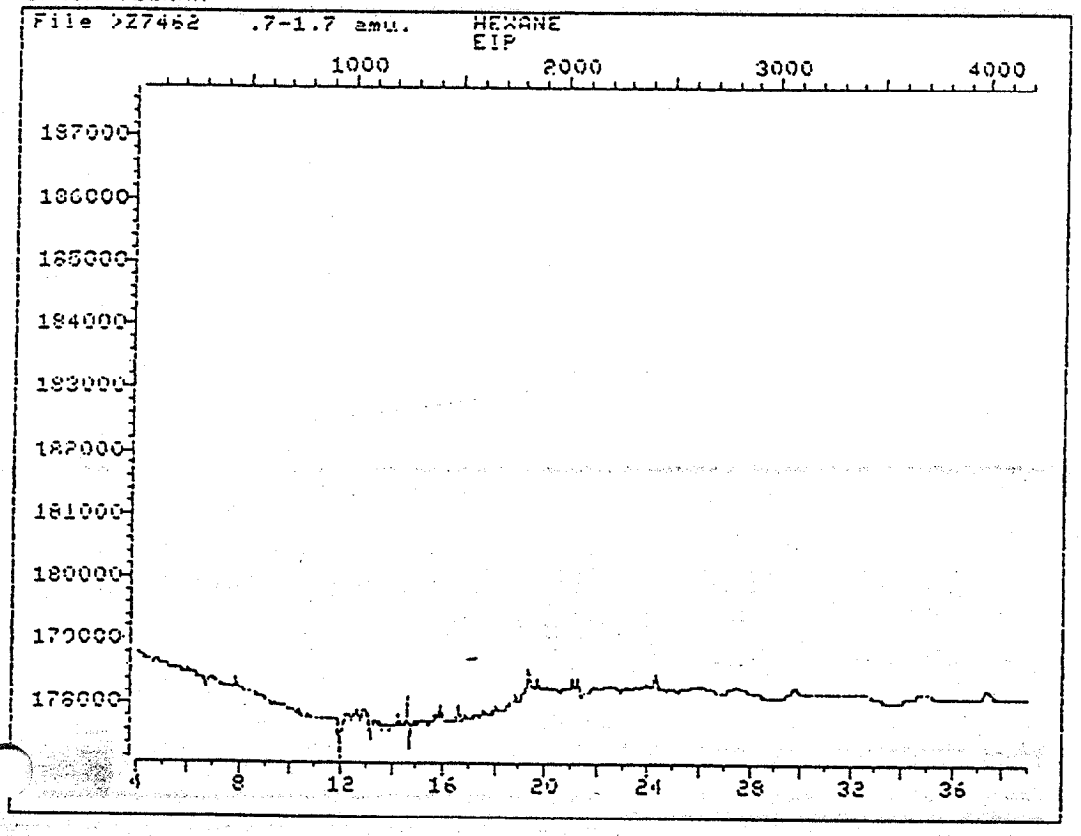
Operator ID: USER6
Output File: ^Z7462::05
Data File: >Z7462::05
Name: HEXANE
Misc:

Quant Rev: 7 Quant Time: 941118 16:26
Injected at: 941118 15:46
Dilution Factor: 1.00000
Instrument ID: Z

ID File: IZPN04::05
Title: PESTICIDES DB-608 BY GC 82 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Compound	R.T.	Scan#	Area	Conc	Units	q

CHROMATOGRAM



Data File: >Z7462::D5 Quant Output File: ^Z7462::D5
Name: HEXANE Instrument ID: Z
Misc:

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC 82 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 16:26
Injected at: 941118 15:46

QUANT REPORT Page 1

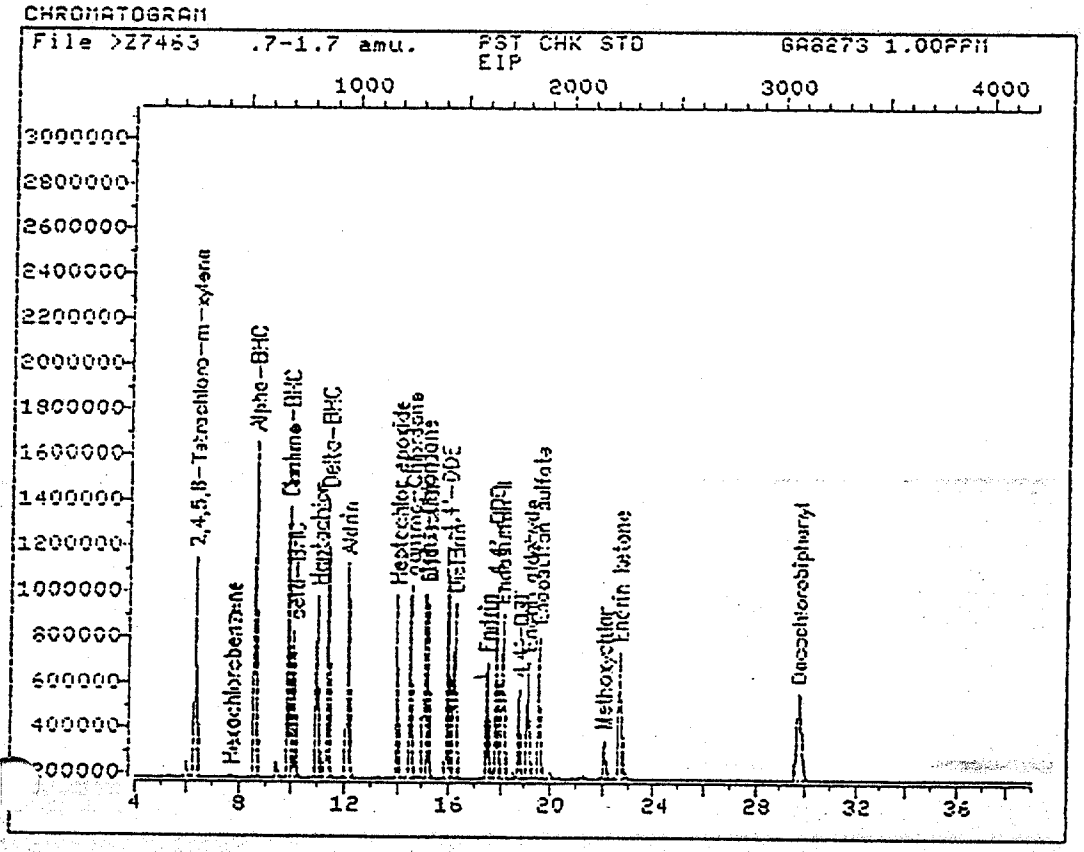
Operator ID: USER1 Quant Rev: 7 Quant Time: 941118 18:03
Output File: ^Z7463::D5 Injected at: 941118 17:22
Data File: >Z7463::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Z
Misc: GA8273 1.00PPM

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	4795540	.918	ug/ml	100
2)	#Alpha-BHC	8.52	544	7391444	1.14	ug/ml	100
3)	#Lindane	9.84	702	5999377	1.00	ug/ml	100
4)	#Gamma-BHC	9.84	702	5999377	1.00	ug/ml	100
5)	#Beta-BHC	10.07	729	3200658	.921	ug/ml	100
6)	#Heptachlor	10.93	833	4621541	.700	ug/ml	100
7)	#Delta-BHC	11.32	879	5968547	1.17	ug/ml	100
8)	#Aldrin	12.06	968	5609925	1.02	ug/ml	100
9)	#Heptachlor epoxide	13.96	1196	4697017	.854	ug/ml	100
10)	#gamma-Chlordane	14.51	1262	4886827	.857	ug/ml	100
11)	#alpha-Chlordane	15.05	1327	4495349	.794	ug/ml	100
12)	#Endosulfan I	15.15	1339	4625428	1.01	ug/ml	100
13)	#4,4'-DDE	15.90	1429	5283188	1.16	ug/ml	100
14)	#Dieldrin	16.19	1464	4393671	.901	ug/ml	100
15)	#Endrin	17.42	1612	2776940	.690	ug/ml	100
16)	#4,4'-DDD	17.76	1652	4302955	1.26	ug/ml	100
17)	#Endosulfan II	18.02	1683	4332692	1.01	ug/ml	100
18)	#4,4'-DDT	18.76	1772	2029784	.554	ug/ml	100
19)	#Endrin aldehyde	19.11	1814	2918117	.792	ug/ml	100
20)	#Endosulfan sulfate	19.51	1862	3478059	.902	ug/ml	100
21)	#Methoxychlor	22.02	2163	1145931	.480	ug/ml	100
22)	#Endrin ketone	22.62	2235	4087188	.886	ug/ml	100
23)	#Decachlorobiphenyl	29.72	3088	4965349	.815	ug/ml	100
33)	#Hexachlorobenzene	7.68	443	84351	.0290	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z7463::D5
Name: PST CHK STD
Misc: GA8273 1.00PPM

Quant Output File: ^Z7463::D5
Instrument ID: Z

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 941118 18:03
Injected at: 941118 17:22

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN DB5, ECD, B2R
Calibrated: 941104 15:02

Check Standard Data File: >Y7337
Injection Time: 941116 08:06

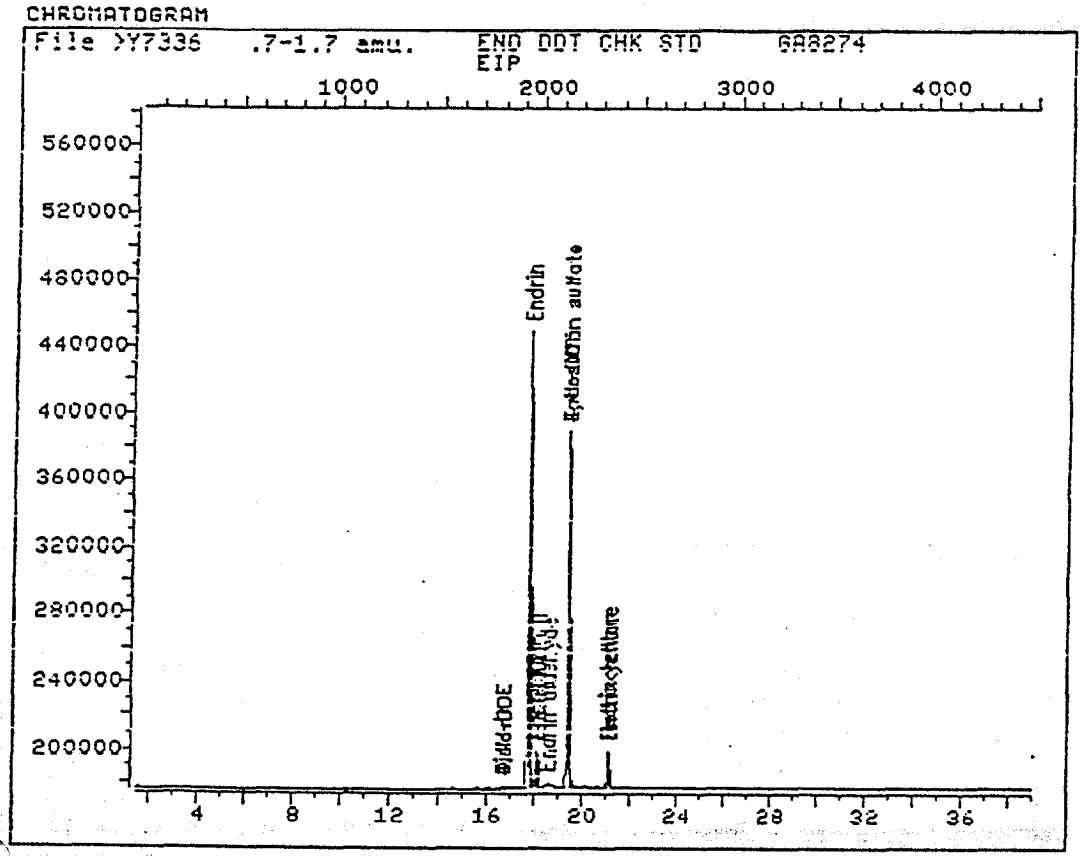
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1455843	1.14	Average	(Conc=.938)
Alpha-BHC	1779168	1727396	16.38	1st Degree	(Conc=1.25) X
Gamma-BHC	1676823	1597869	4.71	Average	(Conc=1.17)
Lindane	1676823	1597869	4.71	Average	(Conc=1.17)
Beta-BHC	941471.	919483.	2.34	Average	(Conc=1.01)
Heptachlor	1805111	1742907	3.45	Average	(Conc=.980)
Delta-BHC	1462164	1475126	15.55	1st Degree	(Conc=1.20) X
Aldrin	1545536	1478415	4.34	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1515325	2.00	Average	(Conc=1.04)
gamma-Chlordane	1600986	1519953	5.06	Average	(Conc=1.03)
alpha-Chlordane	1441215	1313538	8.86	Average	(Conc=2.18)
Endosulfan I	1441215	1313538	8.86	Average	(Conc=2.18)
4,4'-DDE	1274506	1220539	4.23	Average	(Conc=1.20)
Dieldrin	1397917	1356521	2.96	Average	(Conc=1.15)
Endrin	1270102	1102525	13.19	Average	(Conc=1.21)
4,4'-DDD	1140044	1027847	9.84	Average	(Conc=2.39)
Endosulfan II	1140044	1027847	9.84	Average	(Conc=2.39)
4'-DDT	1143089	968913.	15.24	Average	(Conc=2.29) ✓
Endrin aldehyde	1143769	1079845	5.59	Average	(Conc=.968)
Endosulfan sulfate	1143089	968913.	15.24	Average	(Conc=2.29)
Methoxychlor	689220.	563802.	18.20	Average	(Conc=1.06) X
Endrin ketone	1479167	1483267	.28	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	2024403	1.60	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

- Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7336::D5 Quant Output File: ^Y7336::D5
Name: END DDT CHK STD Instrument ID: Y
Misc: GA8274

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 09:52
Injected at: 941116 07:22

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 09:52
Output File: ^Y7336::D5 Injected at: 941116 07:22
Data File: >Y7336::D5 Dilution Factor: 1.00000
Name: END DDT CHK STD Instrument ID: Y
Misc: GA8274

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

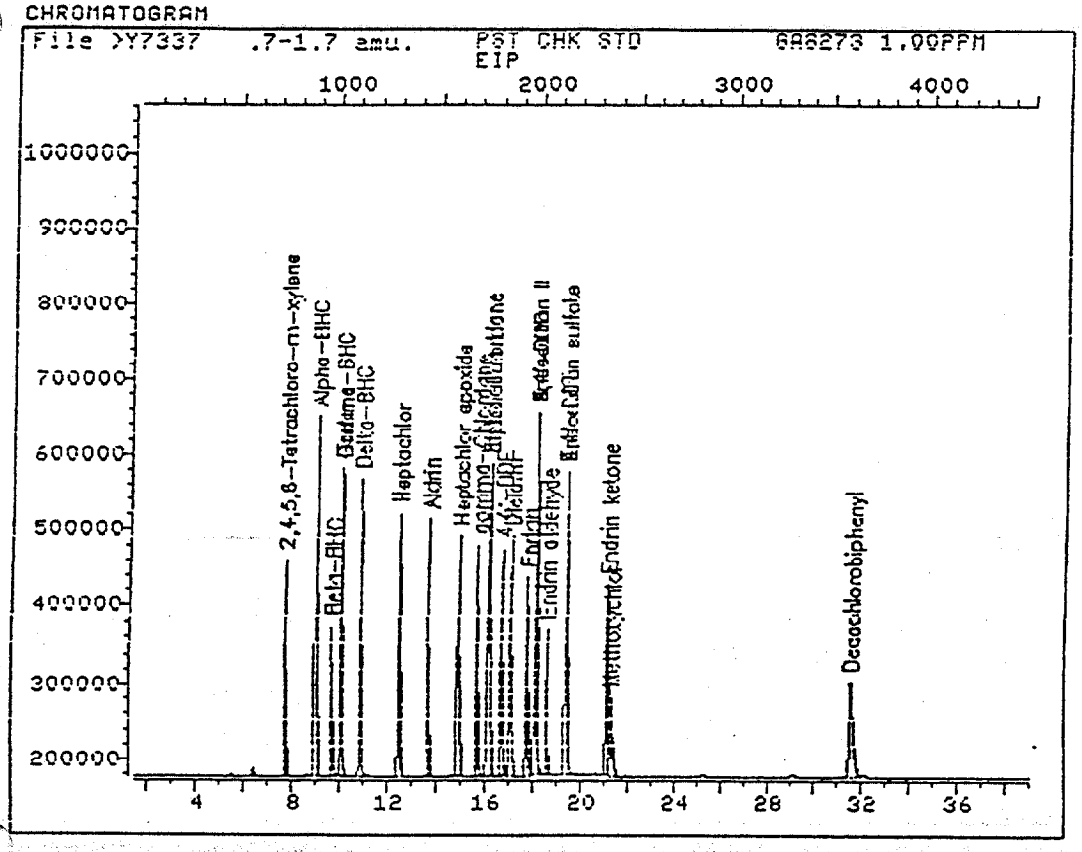
	Compound	R.T.	Scan#	Area	Conc	Units	q
13)	#4,4'-DDE	16.67	1822	7456	.00585	ug/ml	100
14)	#Dieldrin	16.67	1822	7456	.00533	ug/ml	100
15)	#Endrin	17.73	1949	1368494	1.08	ug/ml	100
16)	#Endosulfan II	18.07	1989	94663	.0830	ug/ml	100
17)	#4,4'-DDD	18.07	1989	94663	.0830	ug/ml	100
18)	#Endrin aldehyde	18.53	2044	11488	.0100	ug/ml	100
19)	#4,4'-DDT	19.33	2140	1030185	.901	ug/ml	100
20)	#Endosulfan sulfate	19.33	2140	1030185	.901	ug/ml	100
21)	#Endrin ketone	21.07	2349	118782	.0803	ug/ml	100
22)	#Methoxychlor	21.07	2349	118782	.172	ug/ml	100

Compound uses ESTD

End - $\frac{11488 + 118782}{11488 + 118782 + 1368494} = \frac{130270}{1492764} = 8.69\%$

DDT - $\frac{7456 + 94663}{7456 + 94663 + 1030185} = \frac{102119}{1132304} = 9.01\%$

CHROMATOGRAM



Data File: >Y7337::D5 Quant Output File: ^Y7337::D5
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 09:45
Injected at: 941116 08:06

QUANT REPORT Page 1

Operator ID: USER2
Output File: ^Y7337::D5
Data File: >Y7337::D5
Name: PST CHK STD
Misc: GA8273 1.00PPM

Quant Rev: 7 Quant Time: 941116 09:45
Injected at: 941116 08:06
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	1365581	.927	ug/ml	100
2)	#Alpha-BHC	8.95	895	2159245	1.04	ug/ml	100
3)	#Beta-BHC	9.64	978	928678	.986	ug/ml	100
4)	#Gamma-BHC	9.99	1020	1869507	1.11	ug/ml	100
5)	#Lindane	9.99	1020	1869507	1.11	ug/ml	100
6)	#Delta-BHC	10.82	1119	1770152	1.01	ug/ml	100
7)	#Heptachlor	12.39	1308	1708049	.946	ug/ml	100
8)	#Aldrin	13.62	1455	1685393	1.09	ug/ml	100
9)	#Heptachlor epoxide	14.86	1604	1575938	1.02	ug/ml	100
10)	#gamma-Chlordane	15.64	1698	1565552	.978	ug/ml	100
11)	#alpha-Chlordane	16.10	1753	2863512	1.99	ug/ml	100
12)	#Endosulfan I	16.10	1753	2863512	1.99	ug/ml	100
13)	#4,4'-DDE	16.67	1821	1464647	1.15	ug/ml	100
14)	#Dieldrin	17.01	1862	1560000	1.12	ug/ml	100
15)	#Endrin	17.73	1949	1334055	1.05	ug/ml	100
16)	#Endosulfan II	18.06	1988	2456555	2.15	ug/ml	100
17)	#4,4'-DDD	18.06	1988	2456555	2.15	ug/ml	100
18)	#Endrin aldehyde	18.53	2044	1045290	.914	ug/ml	100
19)	#4,4'-DDT	19.31	2138	2218810	1.94	ug/ml	100
20)	#Endosulfan sulfate	19.31	2138	2218810	1.94	ug/ml	100
21)	#Endrin ketone	21.07	2349	1512932	1.02	ug/ml	100
22)	#Methoxychlor	21.25	2371	597630	.867	ug/ml	100
23)	#Decachlorobiphenyl	31.58	3610	1668108	.811	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN DB5, ECD, B2R
Calibrated: 941104 15:02

Check Standard Data File: >Y7361
Injection Time: 941117 08:30

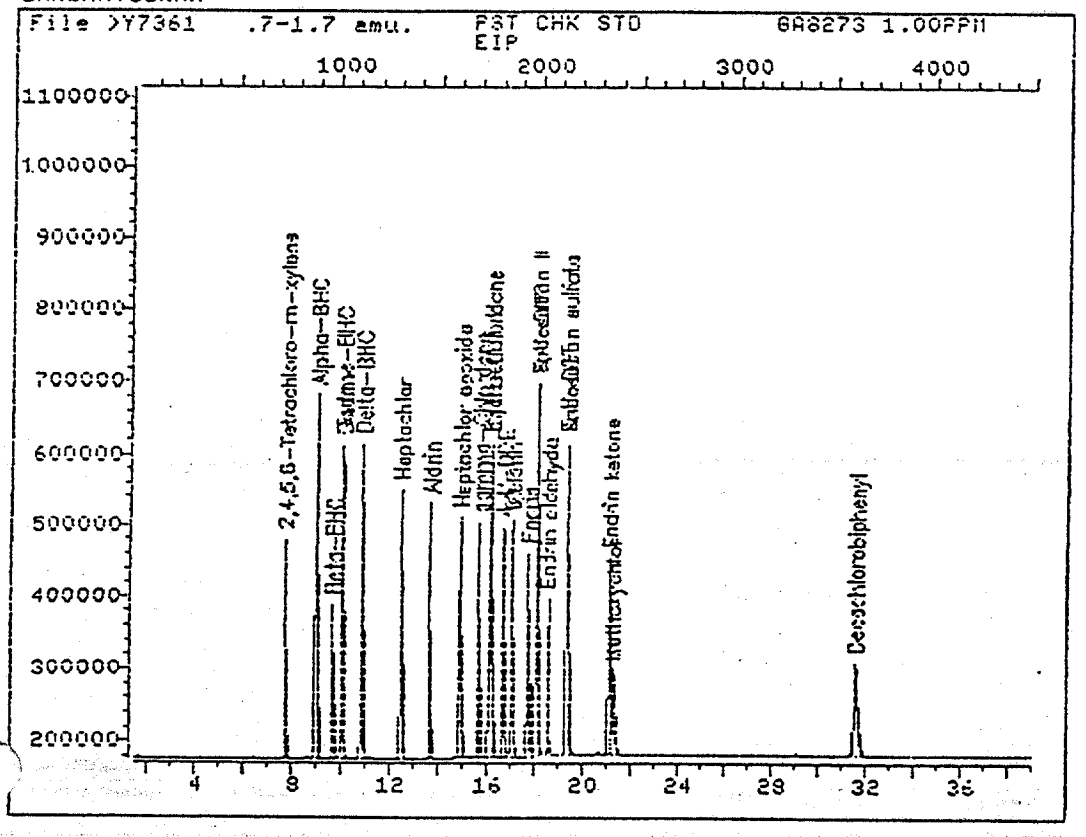
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1539085	4.51	Average	(Conc=.938)
Alpha-BHC	1779168	1855730	10.17	1st Degree	(Conc=1.25)
Gamma-BHC	1676823	1721417	2.66	Average	(Conc=1.17)
Lindane	1676823	1721417	2.66	Average	(Conc=1.17)
Beta-BHC	941471.	980950.	4.19	Average	(Conc=1.01)
Heptachlor	1805111	1893178	4.88	Average	(Conc=.980)
Delta-BHC	1462164	1650756	5.49	1st Degree	(Conc=1.20)
Aldrin	1545536	1558949	.87	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1599469	3.44	Average	(Conc=1.04)
gamma-Chlordane	1600986	1607443	.40	Average	(Conc=1.03)
alpha-Chlordane	1441215	1385281	3.88	Average	(Conc=2.18)
Endosulfan I	1441215	1385281	3.88	Average	(Conc=2.18)
4,4'-DDE	1274506	1296460	1.72	Average	(Conc=1.20)
Dieldrin	1397917	1429784	2.28	Average	(Conc=1.15)
Endrin	1270102	1181208	7.00	Average	(Conc=1.21)
4,4'-DDD	1140044	1100915	3.43	Average	(Conc=2.39)
Endosulfan II	1140044	1100915	3.43	Average	(Conc=2.39)
4,4'-DDT	1143089	1051639	8.00	Average	(Conc=2.29)
Endrin aldehyde	1143769	1195287	4.50	Average	(Conc=.968)
Endosulfan sulfate	1143089	1051639	8.00	Average	(Conc=2.29)
Methoxychlor	689220.	644920.	6.43	Average	(Conc=1.06)
Endrin ketone	1479167	1579465	6.78	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	2049646	.38	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7361::D5 Quant Output File: ^Y7361::D5
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941117 09:11
Injected at: 941117 08:30

QUANT REPORT Page 1

Operator ID: USER2
Output File: ^Y7361::D5
Data File: >Y7361::D5
Name: PST CHK STD
Misc: GA8273 1.00PPM

Quant Rev: 7 Quant Time: 941117 09:11
Injected at: 941117 08:30
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	1443662	.980	ug/ml	100
2)	#Alpha-BHC	8.95	895	2319662	1.12	ug/ml	100
3)	#Beta-BHC	9.64	978	990759	1.05	ug/ml	100
4)	#Gamma-BHC	9.99	1020	2014058	1.20	ug/ml	100
5)	#Lindane	9.99	1020	2014058	1.20	ug/ml	100
6)	#Delta-BHC	10.82	1119	1980907	1.13	ug/ml	100
7)	#Heptachlor	12.39	1308	1855315	1.03	ug/ml	100
8)	#Aldrin	13.61	1454	1777202	1.15	ug/ml	100
9)	#Heptachlor epoxide	14.85	1603	1663448	1.08	ug/ml	100
10)	#gamma-Chlordane	15.63	1697	1655666	1.03	ug/ml	100
11)	#alpha-Chlordane	16.09	1752	3019913	2.10	ug/ml	100
12)	#Endosulfan I	16.09	1752	3019913	2.10	ug/ml	100
13)	#4,4'-DDE	16.66	1820	1555752	1.22	ug/ml	100
14)	#Dieldrin	17.00	1861	1644252	1.18	ug/ml	100
15)	#Endrin	17.72	1948	1429262	1.13	ug/ml	100
16)	#Endosulfan II	18.05	1987	2631186	2.31	ug/ml	100
17)	#4,4'-DDD	18.05	1987	2631186	2.31	ug/ml	100
18)	#Endrin aldehyde	18.52	2043	1157038	1.01	ug/ml	100
19)	#4,4'-DDT	19.30	2137	2408254	2.11	ug/ml	100
20)	#Endosulfan sulfate	19.30	2137	2408254	2.11	ug/ml	100
21)	#Endrin ketone	21.06	2348	1611054	1.09	ug/ml	100
22)	#Methoxychlor	21.24	2370	683615	.992	ug/ml	100
23)	#Decachlorobiphenyl	31.55	3607	1688908	.821	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN 085, ECD, 62R
Calibrated: 941104 15:02

Check Standard Data File: >Y7373
Injection Time: 941117 20:55

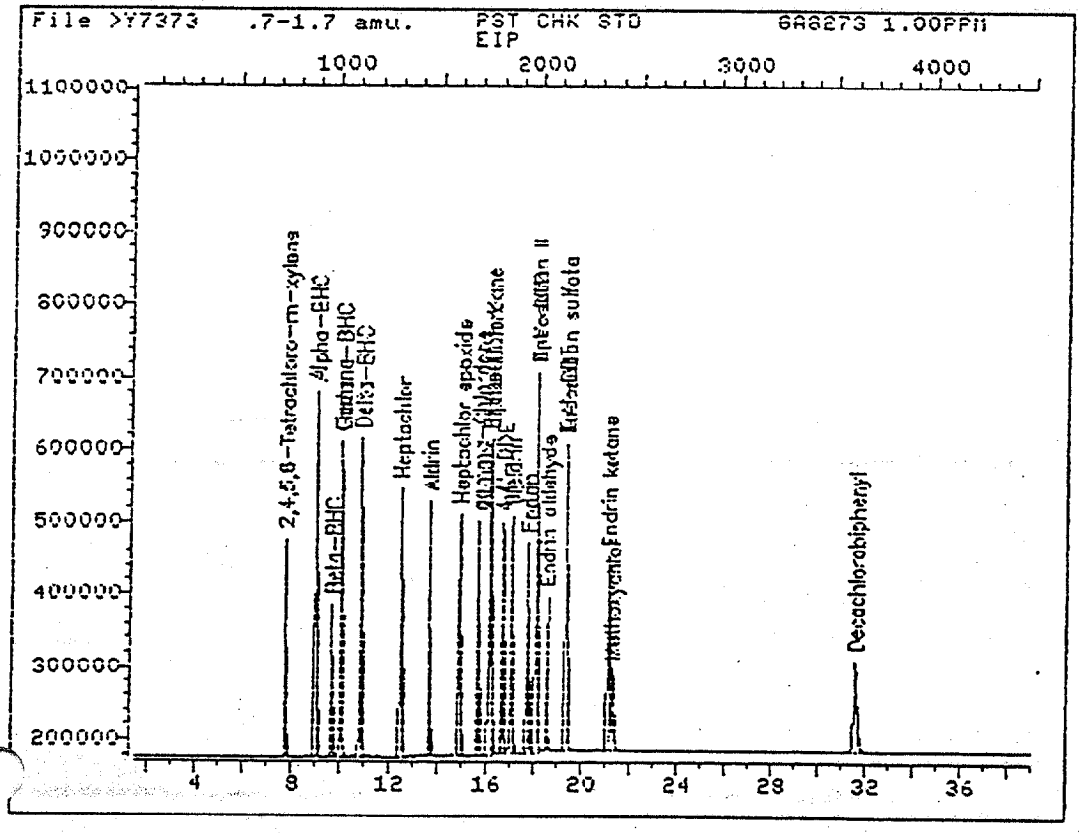
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1528749	3.81	Average	(Conc=.938)
Alpha-BHC	1779168	1854143	10.25	1st Degree	(Conc=1.25)
Gamma-BHC	1676823	1723492	2.78	Average	(Conc=1.17)
Lindane	1676823	1723492	2.78	Average	(Conc=1.17)
Beta-BHC	941471.	979302.	4.02	Average	(Conc=1.01)
Heptachlor	1805111	1875808	3.92	Average	(Conc=.980)
Delta-BHC	1462164	1663299	4.77	1st Degree	(Conc=1.20)
Aldrin	1545536	1552352	.44	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1595465	3.18	Average	(Conc=1.04)
gamma-Chlordane	1600986	1603154	.14	Average	(Conc=1.03)
alpha-Chlordane	1441215	1378287	4.37	Average	(Conc=2.18)
Endosulfan I	1441215	1378787	4.37	Average	(Conc=2.18)
4,4'-DDE	1274506	1294681	1.58	Average	(Conc=1.20)
Dieldrin	1397917	1423369	1.82	Average	(Conc=1.15)
Endrin	1270102	1230220	3.14	Average	(Conc=1.21)
4,4'-DDD	1140044	1112692	2.40	Average	(Conc=2.39)
Endosulfan II	1140044	1112692	2.40	Average	(Conc=2.39)
4,4'-DDT	1143089	1028025	10.07	Average	(Conc=2.29)
Endrin aldehyde	1143769	1177703	2.97	Average	(Conc=.968)
Endosulfan sulfate	1143089	1028025	10.07	Average	(Conc=2.29)
Methoxychlor	689220.	618995.	10.19	Average	(Conc=1.06)
Endrin ketone	1479167	1569490	6.11	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	2013296	2.14	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

RF - Response Factor from daily standard file at 1.00 mg/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7373::D5 Quant Output File: ^Y7373::D5
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941117 21:36
Injected at: 941117 20:55

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941117 21:36
Output File: ^Y7373::D5 Injected at: 941117 20:55
Data File: >Y7373::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.68	743	1433966	.974	ug/ml	100
2)	#Alpha-BHC	8.94	894	2317679	1.12	ug/ml	100
3)	#Beta-BHC	9.64	978	989095	1.05	ug/ml	100
4)	#Gamma-BHC	9.98	1019	2016486	1.20	ug/ml	100
5)	#Lindane	9.98	1019	2016486	1.20	ug/ml	100
6)	#Delta-BHC	10.81	1118	1995959	1.14	ug/ml	100
7)	#Heptachlor	12.38	1307	1838292	1.02	ug/ml	100
8)	#Aldrin	13.60	1453	1769682	1.15	ug/ml	100
9)	#Heptachlor epoxide	14.85	1603	1659284	1.07	ug/ml	100
10)	#gamma-Chlordane	15.63	1697	1651249	1.03	ug/ml	100
11)	#alpha-Chlordane	16.08	1751	3004665	2.08	ug/ml	100
12)	#Endosulfan I	16.08	1751	3004665	2.08	ug/ml	100
13)	#4,4'-DDE	16.66	1820	1553618	1.22	ug/ml	100
14)	#Dieldrin	17.00	1861	1636875	1.17	ug/ml	100
15)	#Endrin	17.72	1947	1488566	1.17	ug/ml	100
16)	#Endosulfan II	18.05	1987	2659333	2.33	ug/ml	100
17)	#4,4'-DDD	18.05	1987	2659333	2.33	ug/ml	100
18)	#Endrin aldehyde	18.51	2042	1140017	.997	ug/ml	100
19)	#4,4'-DDT	19.30	2137	2354177	2.06	ug/ml	100
20)	#Endosulfan sulfate	19.30	2137	2354177	2.06	ug/ml	100
21)	#Endrin ketone	21.05	2347	1600880	1.08	ug/ml	100
22)	#Methoxychlor	21.23	2369	656135	.952	ug/ml	100
23)	#Decachlorobiphenyl	31.54	3606	1658956	.806	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN 085, ECD, B2R
Calibrated: 941104 15:02

Check Standard Data File: >Y7386
Injection Time: 941118 09:53

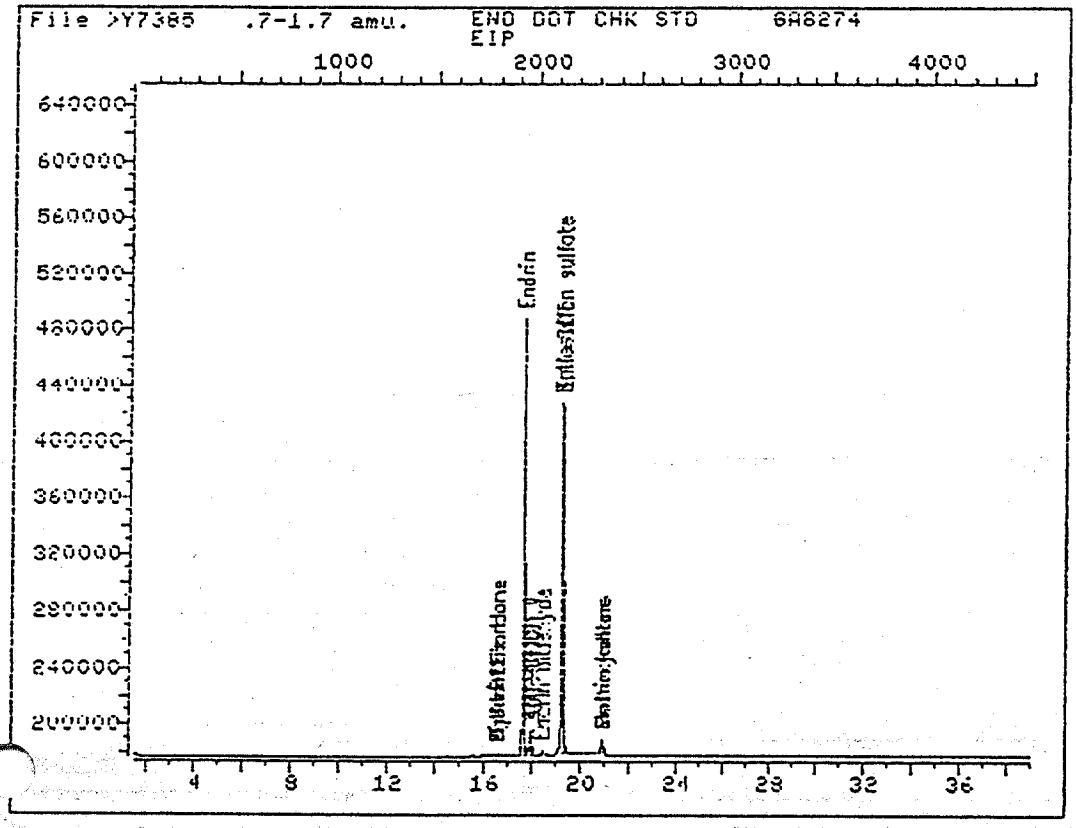
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1512749	2.72	Average	(Conc=.938)
Alpha-BHC	1779168	1809955	12.39	1st Degree	(Conc=1.25)
Gamma-BHC	1676823	1684531	.46	Average	(Conc=1.17)
Lindane	1676823	1684531	.46	Average	(Conc=1.17)
Beta-BHC	941471.	969417.	2.97	Average	(Conc=1.01)
Heptachlor	1805111	1874338	3.84	Average	(Conc=.980)
Delta-BHC	1462164	1534364	12.15	1st Degree	(Conc=1.20)
Aldrin	1545536	1531019	.94	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1574962	1.86	Average	(Conc=1.04)
gamma-Chlordane	1600986	1589422	.72	Average	(Conc=1.03)
alpha-Chlordane	1441215	1357898	5.78	Average	(Conc=2.18)
Endosulfan I	1441215	1357898	5.78	Average	(Conc=2.18)
4,4'-DDE	1274506	1279446	.39	Average	(Conc=1.20)
Dieldrin	1397917	1400640	.19	Average	(Conc=1.15)
Endrin	1270102	1229750	3.18	Average	(Conc=1.21)
4,4'-DDD	1140044	1056371	7.34	Average	(Conc=2.39)
Endosulfan II	1140044	1056371	7.34	Average	(Conc=2.39)
4,4'-DDT	1143089	1046031	8.49	Average	(Conc=2.29)
Endrin aldehyde	1143769	1150932	.63	Average	(Conc=.968)
Endosulfan sulfate	1143089	1046031	8.49	Average	(Conc=2.29)
Methoxychlor	689220.	660657.	4.14	Average	(Conc=1.06)
Endrin ketone	1479167	1473869	.36	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	2026053	1.52	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7385::05 Quant Output File: ^Y7385::05
Name: END DDT CHK STD Instrument ID: Y
Misc: GA8274

Id File: IYPN04::05
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 09:49
Injected at: 941118 09:08

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 09:49
Output File: ^Y7385::D5 Injected at: 941118 09:08
Data File: >Y7385::D5 Dilution Factor: 1.00000
Name: END DDT CHK STD Instrument ID: Y
Misc: GA8274

ID File: IYPN04::05
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

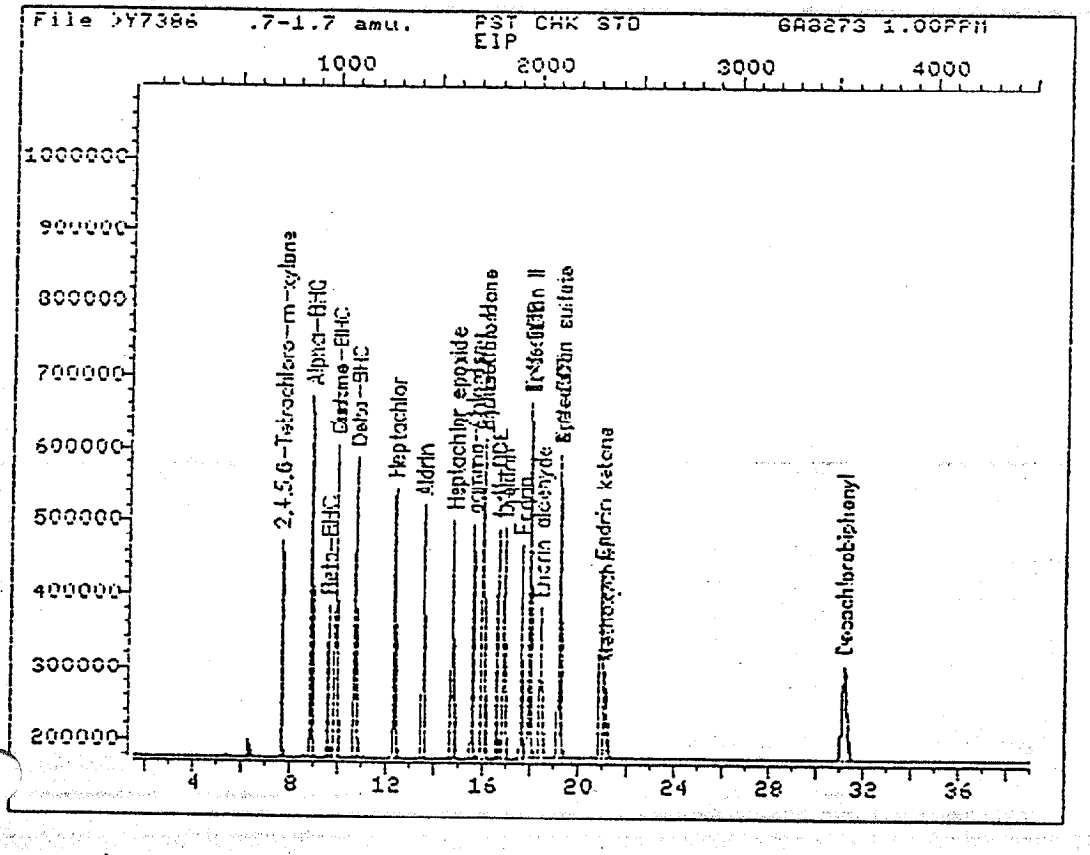
	Compound	R.T.	Scan#	Area	Conc	Units	q
11)	#alpha-Chlordane	16.52	1803	9663	.00670	ug/ml	100
12)	#Endosulfan I	16.52	1803	9663	.00670	ug/ml	100
13)	#4,4'-DDE	16.52	1803	9663	.00758	ug/ml	100
14)	#Dieldrin	16.52	1803	9663	.00691	ug/ml	100
15)	#Endrin	17.57	1929	1562359	1.23	ug/ml	100
16)	#Endosulfan II	17.91	1970	73439	.0644	ug/ml	100
17)	#4,4'-DDD	17.91	1970	73439	.0644	ug/ml	100
18)	#Endrin aldehyde	18.37	2025	10687	.00934	ug/ml	100
19)	#4,4'-DDT	19.16	2120	1223083	1.07	ug/ml	100
20)	#Endosulfan sulfate	19.16	2120	1223083	1.07	ug/ml	100
21)	#Endrin ketone	20.87	2325	55776	.0377	ug/ml	100
22)	#Methoxychlor	20.87	2325	55776	.0809	ug/ml	100

Compound uses ESTD

End — $\frac{10687 + 55776}{10687 + 55776 + 1562359} = \frac{66463}{1629822} = 4.08$

DDT — $\frac{9663 + 73439}{9663 + 73439 + 1223083} = \frac{83102}{1306185} = 6.36$

CHROMATOGRAM



Data File: >Y7386::D5
Name: PST CHK STD
Misc: GA8273 1.00PPM

Quant Output File: ^Y7386::D5
Instrument ID: Y

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, 82R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 10:34
Injected at: 941118 09:53

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 10:34
Output File: ^Y7386::D5 Injected at: 941118 09:53
Data File: >Y7386::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, 82R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	730	1418958	.964	ug/ml	100
2)	#Alpha-BHC	8.83	880	2262444	1.09	ug/ml	100
3)	#Beta-BHC	9.52	963	979111	1.04	ug/ml	100
4)	#Gamma-BHC	9.86	1004	1970902	1.18	ug/ml	100
5)	#Lindane	9.86	1004	1970902	1.18	ug/ml	100
6)	#Delta-BHC	10.68	1103	1841237	1.05	ug/ml	100
7)	#Heptachlor	12.25	1291	1836851	1.02	ug/ml	100
8)	#Aldrin	13.47	1437	1745362	1.13	ug/ml	100
9)	#Heptachlor epoxide	14.71	1586	1637960	1.06	ug/ml	100
10)	#gamma-Chlordane	15.48	1679	1637105	1.02	ug/ml	100
11)	#alpha-Chlordane	15.94	1734	2960218	2.05	ug/ml	100
12)	#Endosulfan I	15.94	1734	2960218	2.05	ug/ml	100
13)	#4,4'-DDE	16.52	1803	1535335	1.20	ug/ml	100
14)	#Dieldrin	16.85	1843	1610736	1.15	ug/ml	100
15)	#Endrin	17.57	1929	1487998	1.17	ug/ml	100
16)	#Endosulfan II	17.91	1970	2524727	2.21	ug/ml	100
17)	#4,4'-DDD	17.91	1970	2524727	2.21	ug/ml	100
18)	#Endrin aldehyde	18.36	2024	1114102	.974	ug/ml	100
19)	#4,4'-DDT	19.15	2119	2395410	2.10	ug/ml	100
20)	#Endosulfan sulfate	19.15	2119	2395410	2.10	ug/ml	100
21)	#Endrin ketone	20.87	2325	1503346M	1.02	ug/ml	100
22)	#Methoxychlor	21.06	2348	700296	1.02	ug/ml	100
23)	#Decachlorobiphenyl	31.13	3557	1669468	.811	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN DB5, ECD, B2R
Calibrated: 941104 15:02

Check Standard Data File: >Y7393
Injection Time: 941118 17:27

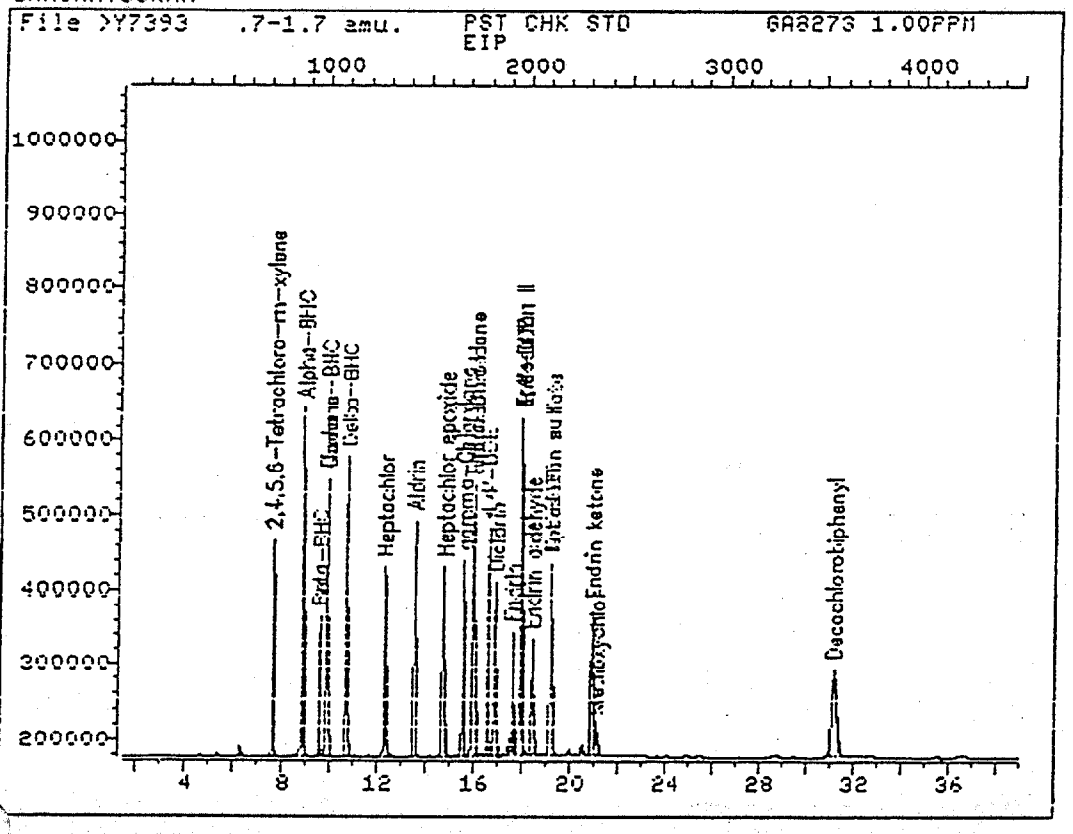
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1474539	.13	Average	(Conc=.938)
Alpha-BHC	1779168	1712837	17.09	1st Degree	(Conc=1.25)
Gamma-BHC	1676823	1455515	13.20	Average	(Conc=1.17)
Lindane	1676823	1455515	13.20	Average	(Conc=1.17)
Beta-BHC	941471.	872023.	7.38	Average	(Conc=1.01)
Heptachlor	1805111	1267691	29.77	Average	(Conc=.980)
Delta-BHC	1462164	1542604	11.68	1st Degree	(Conc=1.20)
Aldrin	1545536	1441193	6.75	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1264022	18.25	Average	(Conc=1.04)
gamma-Chlordane	1600986	1315623	17.82	Average	(Conc=1.03)
alpha-Chlordane	1441215	1127858	21.74	Average	(Conc=2.18)
Endosulfan I	1441215	1127858	21.74	Average	(Conc=2.18)
4,4'-DDE	1274506	1242770	2.49	Average	(Conc=1.20)
Dieldrin	1397917	1014208	27.45	Average	(Conc=1.15)
Endrin	1270102	676324.	46.75	Average	(Conc=1.21)
4,4'-DDD	1140044	948512.	16.80	Average	(Conc=2.39)
Endosulfan II	1140044	948512.	16.80	Average	(Conc=2.39)
4,4'-DDT	1143089	630044.	44.88	Average	(Conc=2.29)
Endrin aldehyde	1143769	857699.	25.01	Average	(Conc=.968)
Endosulfan sulfate	1143089	630044.	44.88	Average	(Conc=2.29)
Methoxychlor	689220.	229707.	66.67	Average	(Conc=1.06)
Endrin ketone	1479167	1130234	23.59	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	1814402	11.81	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7393::D5 Quant Output File: ^Y7393::D5
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 941118 18:04
Injected at: 941118 17:22

QUANT REPORT Page 1

Operator ID: USER1 Quant Rev: 7 Quant Time: 941118 18:04
Output File: ^Y7393::D5 Injected at: 941118 17:22
Data File: >Y7393::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	729	1383118	.939	ug/ml	100
2)	#Alpha-BHC	8.82	879	2141046	1.04	ug/ml	100
3)	#Beta-BHC	9.51	962	880743	.935	ug/ml	100
4)	#Gamma-BHC	9.85	1003	1702952	1.02	ug/ml	100
5)	#Lindane	9.85	1003	1702952	1.02	ug/ml	100
6)	#Delta-BHC	10.67	1102	1851125	1.06	ug/ml	100
7)	#Heptachlor	12.24	1290	1242337M	.688	ug/ml	100
8)	#Aldrin	13.46	1436	1642960	1.06	ug/ml	100
9)	#Heptachlor epoxide	14.70	1585	1314583	.850	ug/ml	100
10)	#gamma-Chlordane	15.48	1678	1355092	.846	ug/ml	100
11)	#alpha-Chlordane	15.93	1733	2458730	1.71	ug/ml	100
12)	#Endosulfan I	15.93	1733	2458730	1.71	ug/ml	100
13)	#4,4'-DDE	16.51	1802	1491324	1.17	ug/ml	100
14)	#Dieldrin	16.84	1842	1166339	.834	ug/ml	100
15)	#Endrin	17.56	1928	818352	.644	ug/ml	100
16)	#Endosulfan II	17.90	1969	2266944	1.99	ug/ml	100
17)	#4,4'-DDD	17.90	1969	2266944	1.99	ug/ml	100
18)	#Endrin aldehyde	18.36	2024	830253	.726	ug/ml	100
19)	#4,4'-DDT	19.13	2117	1442800	1.26	ug/ml	100
20)	#Endosulfan sulfate	19.13	2117	1442800	1.26	ug/ml	100
21)	#Endrin ketone	20.86	2324	1152839M	.779	ug/ml	100
22)	#Methoxychlor	21.05	2347	243489	.353	ug/ml	100
23)	#Decachlorobiphenyl	31.13	3556	1495067	.727	ug/ml	100

Compound uses ESTD

Calibration Check Report

Title: 8080 PESTICIDES BY GC, COLUMN DB5, ECD, B2R
Calibrated: 941104 15:02

Check Standard Data File: >Y2405
Injection Time: 941119 02:17

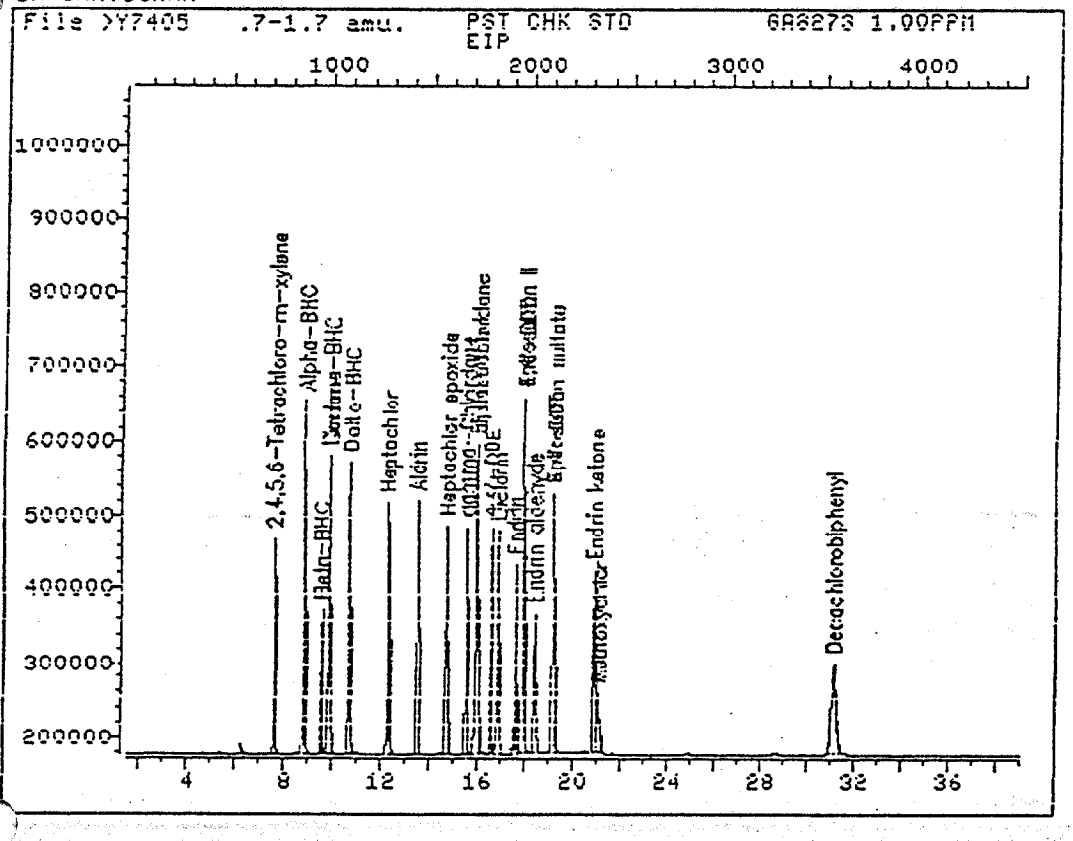
Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
2,4,5,6-Tetrachloro-m-xylene	1472662	1486957	.97	Average	(Conc=.938)
Alpha-BHC	1779168	1740510	15.75	1st Degree	(Conc=1.25)
Gamma-BHC	1676823	1576104	6.01	Average	(Conc=1.17)
Lindane	1676823	1576104	6.01	Average	(Conc=1.17)
Beta-BHC	941471.	911215.	3.21	Average	(Conc=1.01)
Heptachlor	1805111	1719061	4.77	Average	(Conc=.980)
Delta-BHC	1462164	1497616	14.26	1st Degree	(Conc=1.20)
Aldrin	1545536	1496520	3.17	Average	(Conc=1.14)
Heptachlor epoxide	1546271	1499982	2.99	Average	(Conc=1.04)
gamma-Chlordane	1600986	1523340	4.85	Average	(Conc=1.03)
alpha-Chlordane	1441215	1294757	10.16	Average	(Conc=2.18)
Endosulfan I	1441215	1294757	10.16	Average	(Conc=2.18)
4,4'-DDE	1274506	1248105	2.07	Average	(Conc=1.20)
Dieldrin	1397917	1316104	5.85	Average	(Conc=1.15)
Endrin	1270102	1063102	16.30	Average	(Conc=1.21)
4,4'-DDD	1140044	1029762	9.67	Average	(Conc=2.39)
Endosulfan II	1140044	1029762	9.67	Average	(Conc=2.39)
4,4'-DDT	1143089	877230.	23.26	Average	(Conc=2.29)
Endrin aldehyde	1143769	1053536	7.89	Average	(Conc=.968)
Endosulfan sulfate	1143089	877230.	23.26	Average	(Conc=2.29)
Methoxychlor	689220.	434864.	36.90	Average	(Conc=1.06)
Endrin ketone	1479167	1415645	4.29	Average	(Conc=1.02)
Decachlorobiphenyl	2057377	1897697	7.76	Average	(Conc=.824)
Dichloran	-	-	-	Average	
Hexachlopentadiene	-	-	-	Average	(Conc=.418)

RF - Response Factor from daily standard file at 1.00 ug/ml

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

CHROMATOGRAM



Data File: >Y7405::D5 Quant Output File: ^Y7405::D5
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 941119 02:59
Injected at: 941119 02:17

QUANT REPORT Page 1

Operator ID: USER1 Quant Rev: 7 Quant Time: 941119 02:59
Output File: ^Y7405::D5 Injected at: 941119 02:17
Data File: >Y7405::D5 Dilution Factor: 1.00000
Name: PST CHK STD Instrument ID: Y
Misc: GA8273 1.00PPM

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	729	1394766	.947	ug/ml	100
2)	#Alpha-BHC	8.82	879	2175638	1.05	ug/ml	100
3)	#Beta-BHC	9.50	961	920327	.978	ug/ml	100
4)	#Gamma-BHC	9.85	1003	1844042	1.10	ug/ml	100
5)	#Lindane	9.85	1003	1844042	1.10	ug/ml	100
6)	#Delta-BHC	10.67	1102	1797140	1.03	ug/ml	100
7)	#Heptachlor	12.23	1289	1684680	.933	ug/ml	100
8)	#Aldrin	13.45	1435	1706033	1.10	ug/ml	100
9)	#Heptachlor epoxide	14.69	1584	1559981	1.01	ug/ml	100
10)	#gamma-Chlordane	15.47	1677	1569040	.980	ug/ml	100
11)	#alpha-Chlordane	15.92	1732	2822569M	1.96	ug/ml	100
12)	#Endosulfan I	15.92	1732	2822569M	1.96	ug/ml	100
13)	#4,4'-DDE	16.51	1802	1497726	1.18	ug/ml	100
14)	#Dieldrin	16.84	1842	1513520	1.08	ug/ml	100
15)	#Endrin	17.56	1928	1286353	1.01	ug/ml	100
16)	#Endosulfan II	17.89	1968	2461130	2.16	ug/ml	100
17)	#4,4'-DDD	17.89	1968	2461130	2.16	ug/ml	100
18)	#Endrin aldehyde	18.35	2023	1019823	.892	ug/ml	100
19)	#4,4'-DDT	19.13	2117	2008856	1.76	ug/ml	100
20)	#Endosulfan sulfate	19.13	2117	2008856	1.76	ug/ml	100
21)	#Endrin ketone	20.85	2323	1443958M	.976	ug/ml	100
22)	#Methoxychlor	21.04	2346	460956	.669	ug/ml	100
23)	#Decachlorobiphenyl	31.09	3552	1563702	.760	ug/ml	100

Compound uses ESTD

00575
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJW5075

Matrix: (soil/water) SOIL Lab Sample ID: N4P41686P

Sample wt/vol: 2.00 (g/mL) G Lab File ID: ^Z7457

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3580 Date Extracted: 11/14/94

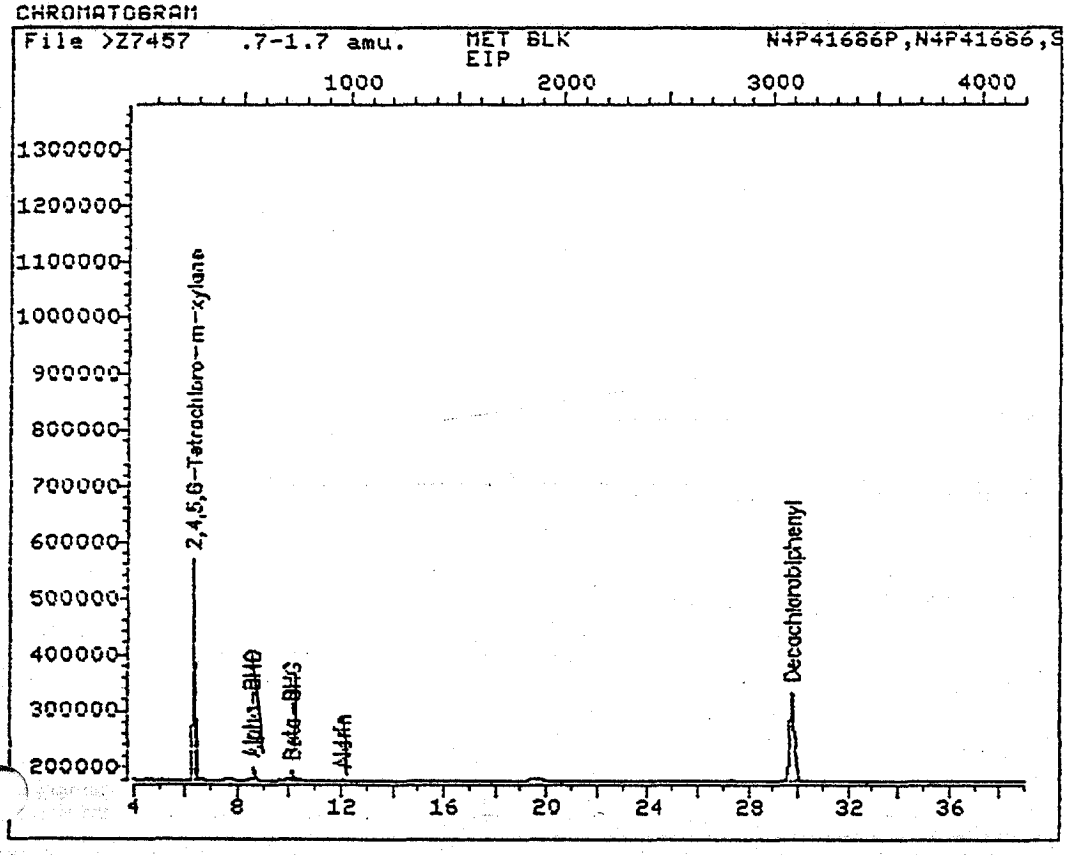
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/18/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	25	U
319-85-7	beta-BHC	25	U
319-86-8	delta-BHC	25	U
58-89-9	gamma-BHC (Lindane)	25	U
76-44-8	Heptachlor	25	U
309-00-2	Aldrin	25	U
1024-57-3	Heptachlor epoxide	25	U
959-98-8	Endosulfan I	25	U
60-57-1	Dieldrin	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	Endrin	25	U
33213-65-9	Endosulfan II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	25	U
7421-93-4	Endrin aldehyde	25	U
8001-35-2	Toxaphene	500	U
12674-11-2	Aroclor-1016	250	U
11104-28-2	Aroclor-1221	250	U
11141-16-5	Aroclor-1232	250	U
53469-21-9	Aroclor-1242	250	U
12672-29-6	Aroclor-1248	250	U
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	250	U
57-74-9	Chlordane	250	U

CHROMATOGRAM



Primary

Data File: >Z7457::D5 Quant Output File: ^Z7457::D5
Name: MET BLK Instrument ID: Z
Misc: N4P41686P,N4P41686,S:G2,2,5:1,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 12:46
Injected at: 941118 12:03

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 12:46
Output File: ^Z7457::D5 Injected at: 941118 12:03
Data File: >Z7457::D5 Dilution Factor: 1.00000
Name: MET BLK Instrument ID: Z
Misc: N4P41686P,N4P41686,S:G2,2,5:1,

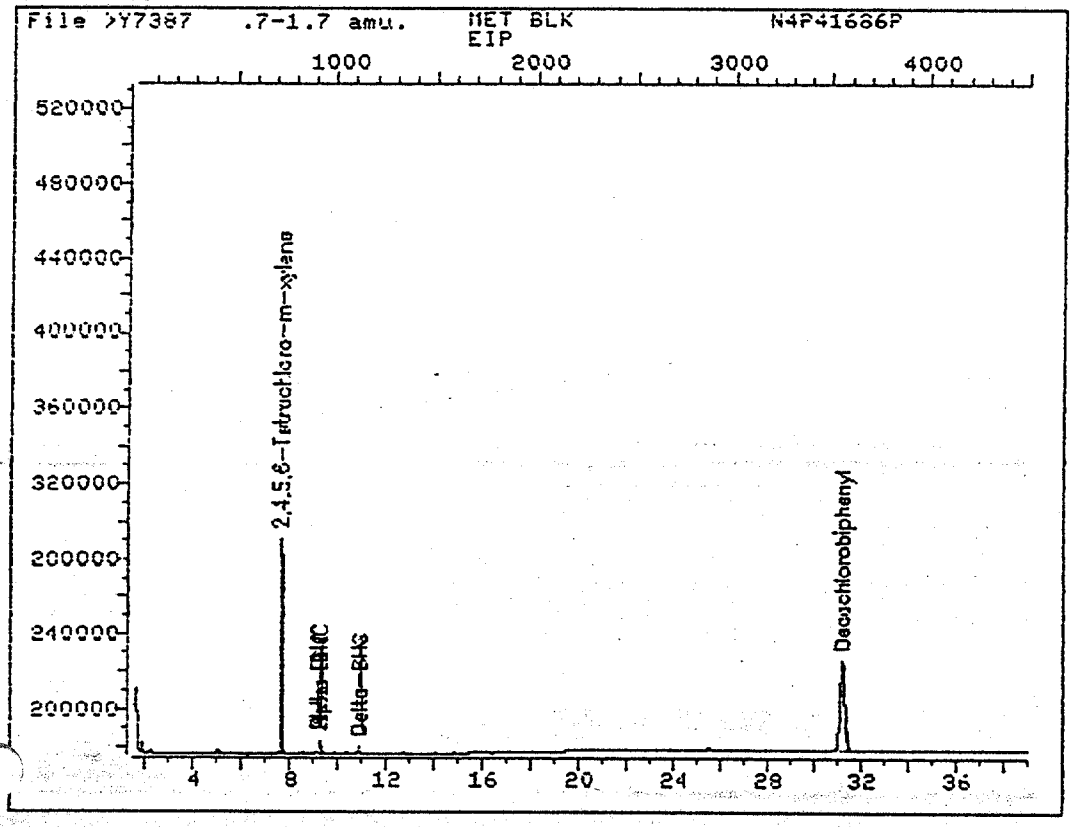
ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q	
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	1864327	.357	ug/ml	100	✓
2)	#Alpha-BHC	8.55	547	102495	~~.0158 ug/ml~~		~~100~~	
5)	#Beta-BHC	10.08	730	69568	~~.0200 ug/ml~~		~~100~~	
8)	#Aldrin	12.02	964	31584	~~.00572 ug/ml~~		~~100~~	
23)	#Decachlorobiphenyl	29.74	3090	1968812	.323	ug/ml	100	✓

Compound uses ESTD

JK 11/28/94

CHROMATOGRAM



Confirmation

Data File: >Y7387::D5 Quant Output File: ^Y7387::D5
Name: MET BLK Instrument ID: Y
Misc: N4P41686P

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 12:46
Injected at: 941118 12:03

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 12:46
Output File: ^Y7387::D5 Injected at: 941118 12:03
Data File: >Y7387::D5 Dilution Factor: 1.00000
Name: MET BLK Instrument ID: Y
Misc: N4P41686P

IO File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	730	521570	.354	ug/ml	100
2)	#Alpha-BHC	9.21	926	34944	~~.0173~~	ug/ml	100
3)	#Beta-BHC	9.21	926	34944	~~.0371~~	ug/ml	100
6)	#Delta-BHC	10.86	1124	17856	~~.0150~~	ug/ml	100
23)	#Decachlorobiphenyl	31.14	3558	603532	.293	ug/ml	100

Compound uses ESTD

00580

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NCEAA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075 ~~CLJDW5102~~

Matrix: (soil/water) WATER Lab Sample ID: N1P41701P

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ^Z7411

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/14/94

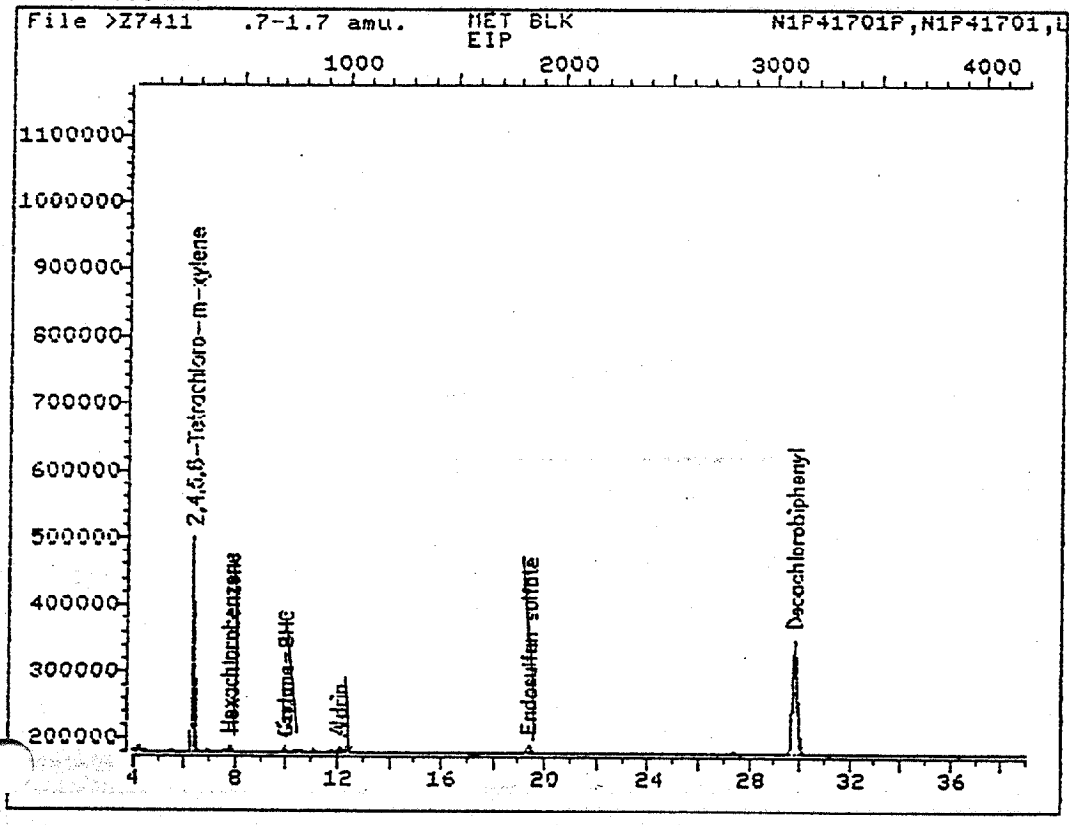
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.010	U
319-85-7	beta-BHC	.010	U
319-86-8	delta-BHC	.010	U
58-89-9	gamma-BHC (Lindane)	.010	U
76-44-8	Heptachlor	.010	U
309-00-2	Aldrin	.010	U
1024-57-3	Heptachlor epoxide	.010	U
959-98-8	Endosulfan I	.010	U
60-57-1	Dieldrin	.010	U
72-55-9	4,4'-DDE	.010	U
72-20-8	Endrin	.010	U
33213-65-9	Endosulfan II	.010	U
72-54-8	4,4'-DDD	.010	U
1031-07-8	Endosulfan sulfate	.010	U
50-29-3	4,4'-DDT	.010	U
72-43-5	Methoxychlor	.010	U
53494-70-5	Endrin ketone	.010	U
7421-93-4	Endrin aldehyde	.010	U
8001-35-2	Toxaphene	.20	U
12674-11-2	Aroclor-1016	.10	U
11104-28-2	Aroclor-1221	.10	U
11141-16-5	Aroclor-1232	.10	U
53469-21-9	Aroclor-1242	.10	U
12672-29-6	Aroclor-1248	.10	U
11097-69-1	Aroclor-1254	.10	U
11096-82-5	Aroclor-1260	.10	U
57-74-9	Chlordane	.10	U

CHROMATOGRAM



Data File: >Z7411::D5 Quant Output File: ^Z7411::D5
Name: MET BLK Instrument ID: Z
Misc: N1P41701P,N1P41701,L:G2,1000,1:1,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 18:18
Injected at: 941116 17:38

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 18:18
Output File: ^Z7411::D5 Injected at: 941116 17:38
Data File: >Z7411::D5 Dilution Factor: 1.00000
Name: MET BLK Instrument ID: Z
Misc: N1P41701P,N1P41701,L:G2,1000,1:1,

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.31	278	1526055	.292	ug/ml	100 ✓
3)	#Lindane	9.93	713	41952	~~.08700~~	~~ug/ml~~	~~100~~
4)	#Gamma-BHC	9.93	713	41952	~~.00700~~	~~ug/ml~~	~~100~~
8)	#Aldrin	12.04	966	60224	.0109	ug/ml	~~100~~
20)	#Endosulfan sulfate	19.38	1846	99264	~~.0258~~	~~ug/ml~~	~~100~~
23)	#Decachlorobiphenyl	29.78	3095	2205913	.362	ug/ml	100 ✓
33)	#Hexachlorobenzene	7.76	452	56704	~~.00561~~	~~ug/ml~~	~~100~~

Compound uses ESTD

ak
11/17/94

00583
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: VEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2P41675P

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ^Y7338

% Moisture: N/A decanted: (Y/N) N Date Received: 11/9/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

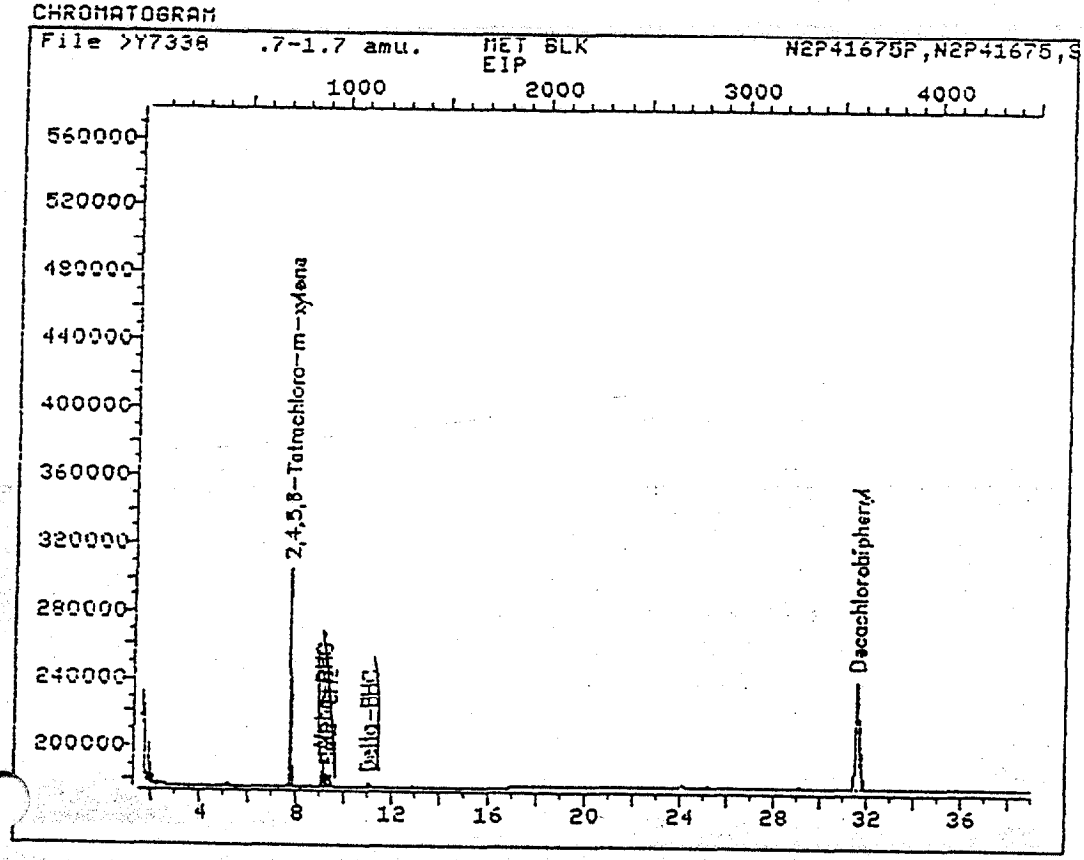
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	1.7	U
72-55-9	4,4'-DDE	1.7	U
72-20-8	Endrin	1.7	U
33213-65-9	Endosulfan II	1.7	U
72-54-8	4,4'-DDD	1.7	U
1031-07-8	Endosulfan sulfate	1.7	U
50-29-3	4,4'-DDT	1.7	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	1.7	U
7421-93-4	Endrin aldehyde	1.7	U
8001-35-2	Toxaphene	33	U
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U
57-74-9	Chlordane	17	U

CHROMATOGRAM



Data File: >Y7338::D5 Quant Output File: ^Y7338::D5
Name: MET BLK Instrument ID: Y
Misc: N2P41675P,N2P41675,S:G2,30,5:1,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 16:05
Injected at: 941116 15:24

QUANT REPORT

Operator ID: USER2
Output File: ^Y7338::D5
Data File: >Y7338::D5
Name: MET BLK
Misc: N2P41675P,N2P41675,S:G2,30,5:1,

Quant Rev: 7
Quant Time: 941116 16:05
Injected at: 941116 15:24
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08
Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.68	743	595779	.405	ug/ml	100 ✓
2)	#Alpha-BHC	9.10	913	69056	~~.8338~~	~~ug/ml~~	~~100~~
3)	#Beta-BHC	9.33	941	32480	~~.0345~~	~~ug/ml~~	~~100~~
6)	#Delta-BHC	10.99	1140	13087	~~.0122~~	~~ug/ml~~	~~100~~
23)	#Decachlorobiphenyl	31.58	3611	843602	.410	ug/ml	100 ✓

Compound uses ESTD

GC
11/17/94

00586
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

A05SS-62

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4631P

Sample wt/vol: 27.0 (g/mL) G Lab File ID: ^Y7342

% Moisture: 18 decanted: (Y/N) N Date Received: 11/09/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

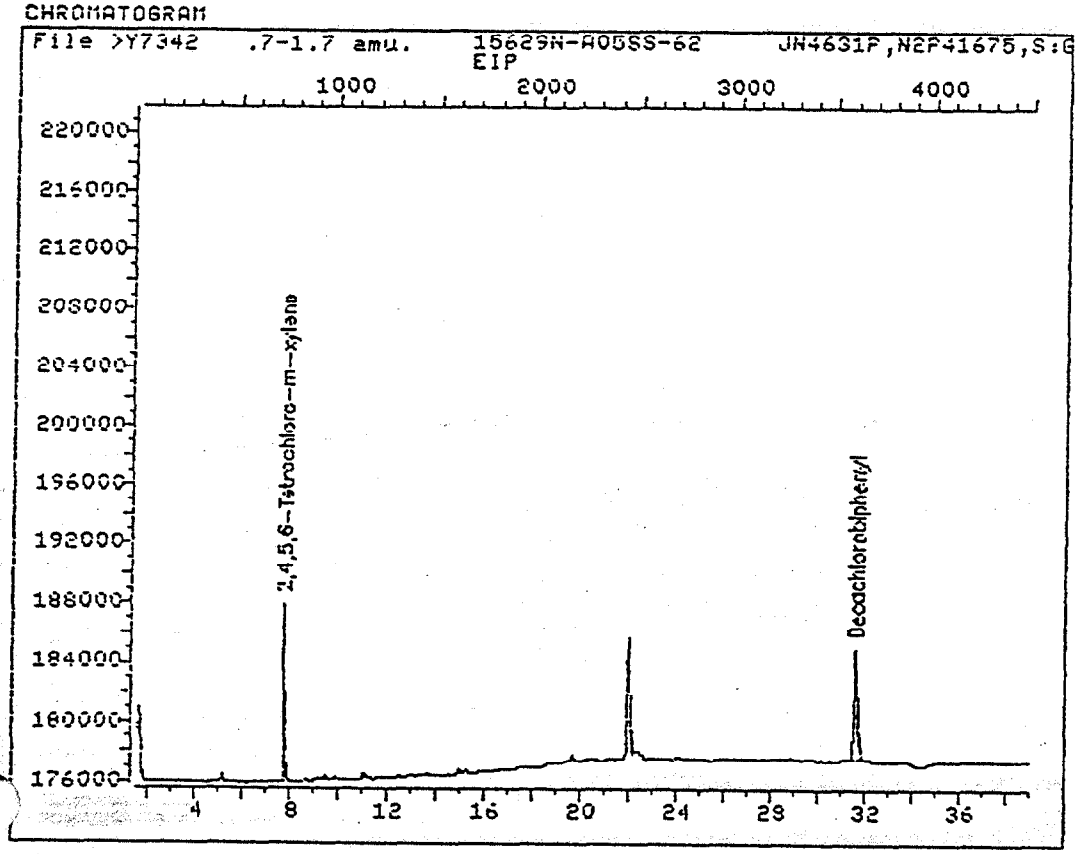
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	23	U
72-55-9	4,4'-DDE	23	U
72-20-8	Endrin	23	U
33213-65-9	Endosulfan II	23	U
72-54-8	4,4'-DDD	23	U
1031-07-8	Endosulfan sulfate	23	U
50-29-3	4,4'-DDT	23	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	23	U
7421-93-4	Endrin aldehyde	23	U
8001-35-2	Toxaphene	450	U
12674-11-2	Aroclor-1016	230	U
11104-28-2	Aroclor-1221	230	U
11141-16-5	Aroclor-1232	230	U
53469-21-9	Aroclor-1242	230	U
12672-29-6	Aroclor-1248	230	U
11097-69-1	Aroclor-1254	230	U
11096-82-5	Aroclor-1260	230	U
57-74-9	Chlordane	230	U

CHROMATOGRAM



Data File: >Y7342::D5 Quant Output File: ^Y7342::D5
Name: 15629N-A05SS-62 Instrument ID: Y
Misc: JN4631P,N2P41675,S:G2,22.03,5:10,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 19:02
Injected at: 941116 18:22

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 19:02
Output File: ^Y7342::D5 Injected at: 941116 18:22
Data File: >Y7342::D5 Dilution Factor: 1.00000
Name: 15629N-A05SS-62 Instrument ID: Y
Misc: JN4631P,N2P41675,S:G2,22.03,5:10,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	50527	.0343	ug/ml	100 ✓
23)	#Decachlorobiphenyl	31.57	3609	94408	.0459	ug/ml	100 ✓

Compound uses ESTD

ak
11/17/94

00589
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

A05SS-62MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4631PS

Sample wt/vol: 27.4 (g/mL) G Lab File ID: ^Y7340

% Moisture: 18 decanted: (Y/N) N Date Received: 11/09/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

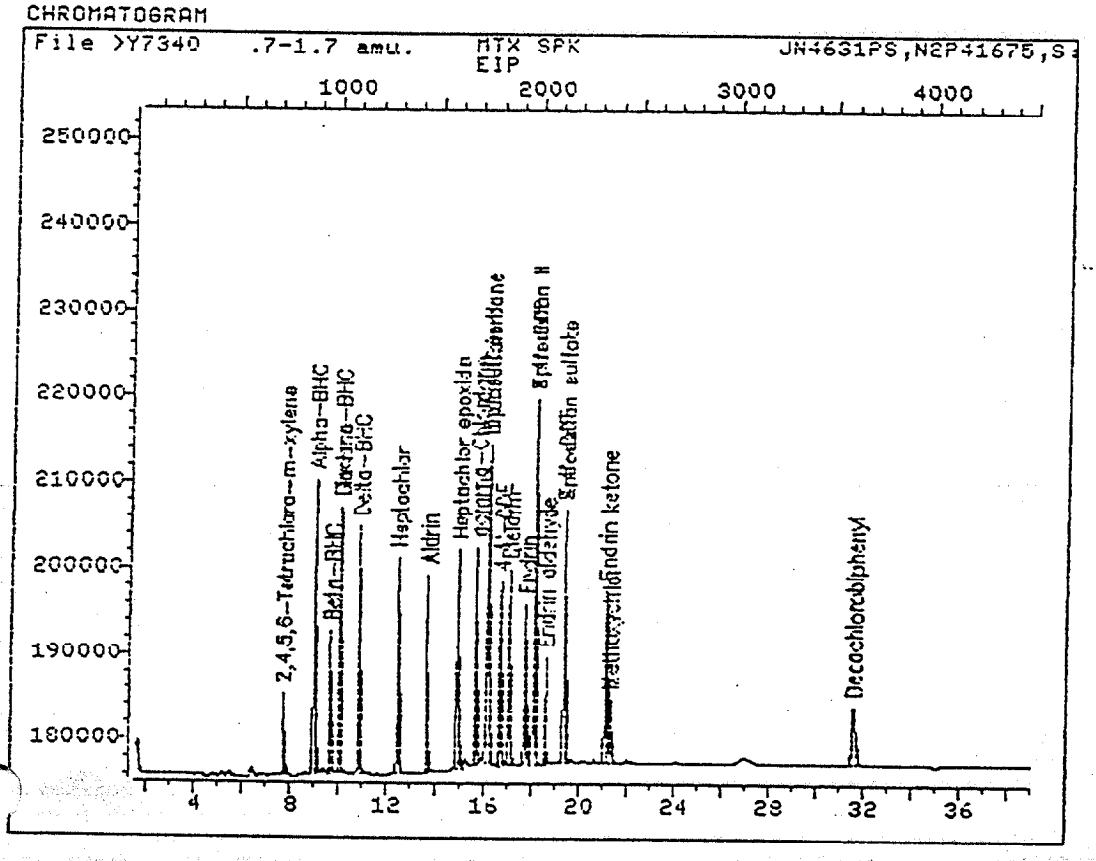
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	140	
319-85-7	beta-BHC	170	
319-86-8	delta-BHC	150	
58-89-9	gamma-BHC (Lindane)	160	
76-44-8	Heptachlor	140	
309-00-2	Aldrin	150	
1024-57-3	Heptachlor epoxide	170	
959-98-8	Endosulfan I	180	
60-57-1	Dieldrin	160	
72-55-9	4,4'-DDE	160	
72-20-8	Endrin	150	
33213-65-9	Endosulfan II	190	
72-54-8	4,4'-DDD	190	
1031-07-8	Endosulfan sulfate	150	
50-29-3	4,4'-DDT	150	
72-43-5	Methoxychlor	130	
53494-70-5	Endrin ketone	160	
7421-93-4	Endrin aldehyde	130	
8001-35-2	Toxaphene	450	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	220	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U
57-74-9	Chlordane	350	

CHROMATOGRAM



Data File: >Y7340::D5 Quant Output File: ^Y7340::D5
Name: MTX SPK Instrument ID: Y
Misc: JN4631PS,N2P41675,S:G2,22.33,5:10,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 17:34
Injected at: 941116 16:53

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 17:34
Output File: ^Y7340::D5 Injected at: 941116 16:53
Data File: >Y7340::D5 Dilution Factor: 1.00000
Name: MTX SPK Instrument ID: Y
Misc: JN4631PS,N2P41675,S:G2,22.33,5:10,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	38399	.0261	ug/ml	100
2)	#Alpha-BHC	8.95	895	128608	.0626	ug/ml	100
3)	#Beta-BHC	9.64	978	69536	.0739	ug/ml	100
4)	#Gamma-BHC	9.99	1020	120352	.0718	ug/ml	100
5)	#Lindane	9.99	1020	120352	.0718	ug/ml	100
6)	#Delta-BHC	10.82	1119	107616	.0661	ug/ml	100
7)	#Heptachlor	12.39	1308	111807	.0619	ug/ml	100
8)	#Aldrin	13.62	1455	100479	.0650	ug/ml	100
9)	#Heptachlor epoxide	14.86	1604	114463	.0740	ug/ml	100
10)	#gamma-Chlordane	15.63	1697	122527	.0765	ug/ml	100
11)	#alpha-Chlordane	16.09	1752	233632	.162	ug/ml	100
12)	#Endosulfan I	16.09	1752	233632	.162	ug/ml	100
13)	#4,4'-DDE	16.67	1821	91776	.0720	ug/ml	100
14)	#Dieldrin	17.01	1862	101312	.0725	ug/ml	100
15)	#Endrin	17.72	1948	83646	.0659	ug/ml	100
16)	#Endosulfan II	18.06	1988	192159	.169	ug/ml	100
17)	#4,4'-DDD	18.06	1988	192159	.169	ug/ml	100
18)	#Endrin aldehyde	18.53	2044	64639	.0565	ug/ml	100
19)	#4,4'-DDT	19.30	2137	149919	.131	ug/ml	100
20)	#Endosulfan sulfate	19.30	2137	149919	.131	ug/ml	100
21)	#Endrin ketone	21.07	2349	106240	.0718	ug/ml	100
22)	#Methoxychlor	21.25	2371	40224	.0584	ug/ml	100
23)	#Decachlorobiphenyl	31.57	3609	83144	.0404	ug/ml	100

Compound uses ESTD

AK 11/17/94

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

00592
EPA SAMPLE NO.

A05SS-62MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: JN4631PR

Sample wt/vol: 27.3 (g/mL) G Lab File ID: ^Y7341

% Moisture: 18 decanted: (Y/N) N Date Received: 11/09/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

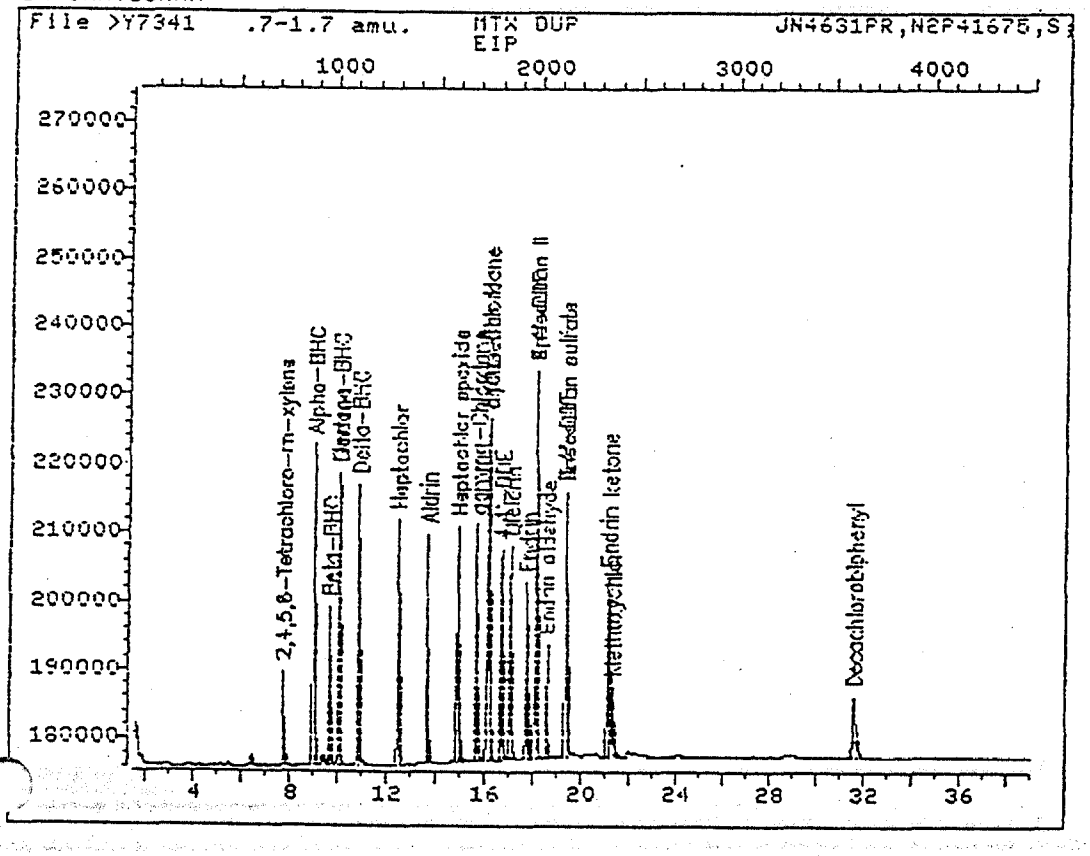
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	200	
319-85-7	beta-BHC	240	
319-86-8	delta-BHC	210	
58-89-9	gamma-BHC (Lindane)	220	
76-44-8	Heptachlor	200	
309-00-2	Aldrin	220	
1024-57-3	Heptachlor epoxide	230	
959-98-8	Endosulfan I	250	
60-57-1	Dieldrin	220	
72-55-9	4,4'-DDE	230	
72-20-8	Endrin	210	
33213-65-9	Endosulfan II	260	
72-54-8	4,4'-DDD	260	
1031-07-8	Endosulfan sulfate	190	
50-29-3	4,4'-DDT	190	
72-43-5	Methoxychlor	180	
53494-70-5	Endrin ketone	220	
7421-93-4	Endrin aldehyde	170	
8001-35-2	Toxaphene	450	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	220	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U
57-74-9	Chlordane	480	

CHROMATOGRAM



Data File: >Y7341::D5 Quant Output File: ^Y7341::D5
Name: MTX DUP Instrument ID: Y
Misc: JN4631PR,N2P41675,S;G2,22.24,5:10,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 18:19
Injected at: 941116 17:38

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 18:19
Output File: ^Y7341::D5 Injected at: 941116 17:38
Data File: >Y7341::D5 Dilution Factor: 1.00000
Name: MTX DUP Instrument ID: Y
Misc: JN4631PR,N2P41675,S;S2,22.24,5:10,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	57535	.0391	ug/ml	100
2)	#Alpha-BHC	8.95	895	179264	.0871	ug/ml	100
3)	#Beta-BHC	9.64	978	98560	.105	ug/ml	100
4)	#Gamma-BHC	9.99	1020	166944	.0996	ug/ml	100
5)	#Lindane	9.99	1020	166944	.0996	ug/ml	100
6)	#Delta-BHC	10.82	1119	155616	.0935	ug/ml	100
7)	#Heptachlor	12.39	1308	159296	.0882	ug/ml	100
8)	#Aldrin	13.61	1454	148991	.0964	ug/ml	100
9)	#Heptachlor epoxide	14.86	1604	157951	.102	ug/ml	100
10)	#gamma-Chlordane	15.63	1697	165024	.103	ug/ml	100
11)	#alpha-Chlordane	16.09	1752	318270	.221	ug/ml	100
12)	#Endosulfan I	16.09	1752	318270	.221	ug/ml	100
13)	#4,4'-DDE	16.67	1821	132064	.104	ug/ml	100
14)	#Dieldrin	17.01	1862	139328	.0997	ug/ml	100
15)	#Endrin	17.72	1948	116256	.0915	ug/ml	100
16)	#Endosulfan II	18.06	1988	260383	.228	ug/ml	100
17)	#4,4'-DDD	18.06	1988	260383	.228	ug/ml	100
18)	#Endrin aldehyde	18.52	2043	85951	.0751	ug/ml	100
19)	#4,4'-DDT	19.30	2137	197120	.172	ug/ml	100
20)	#Endosulfan sulfate	19.30	2137	197120	.172	ug/ml	100
21)	#Endrin ketone	21.07	2349	142816	.0966	ug/ml	100
22)	#Methoxychlor	21.25	2371	55977	.0812	ug/ml	100
23)	#Decachlorobiphenyl	31.57	3609	109063	.0530	ug/ml	100

Compound uses ESTD

QK 11/17/94

00595
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

PSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: CLJDW5075

Matrix: (soil/water) SOIL Lab Sample ID: N2P41675PS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ^Y7339

% Moisture: N/A decanted: (Y/N) Date Received: 11/9/94

Extraction: (SepF/Cont/Sonc) 3540 Date Extracted: 11/14/94

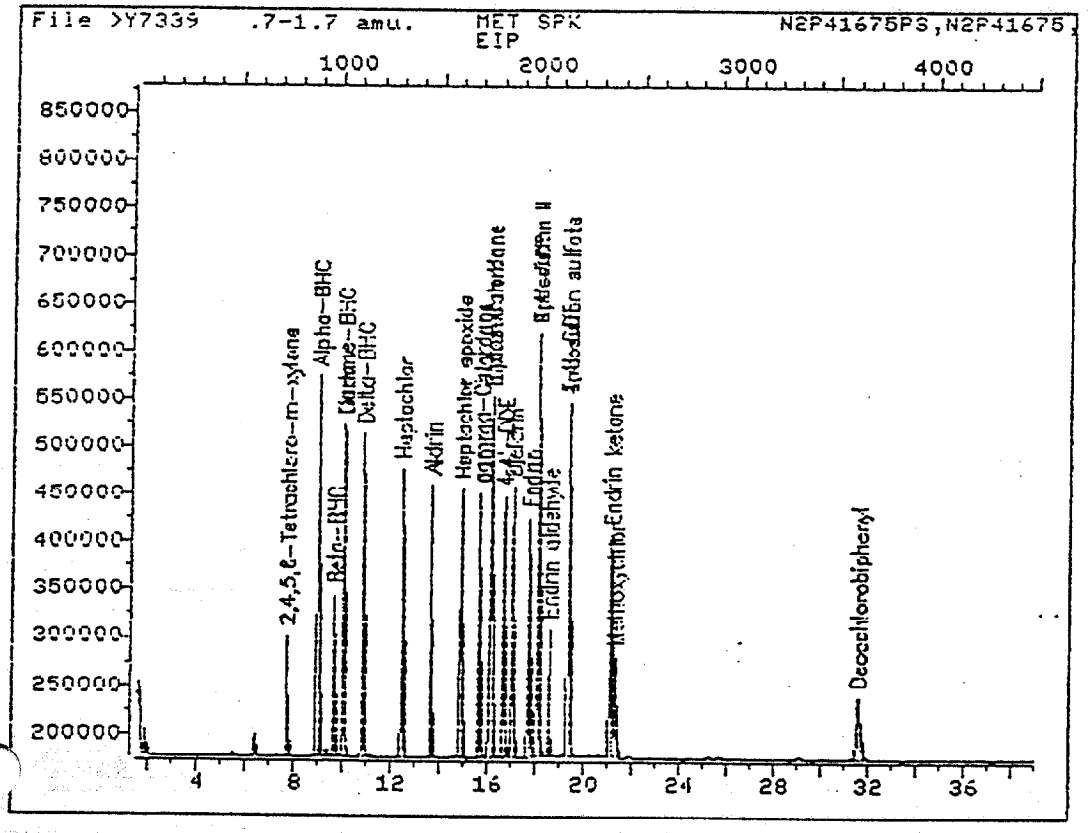
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	150	
319-85-7	beta-BHC	140	
319-86-8	delta-BHC	140	
58-89-9	gamma-BHC (Lindane)	160	
76-44-8	Heptachlor	140	
309-00-2	Aldrin	150	
1024-57-3	Heptachlor epoxide	150	
959-98-8	Endosulfan I	150	
60-57-1	Dieldrin	170	
72-55-9	4,4'-DDE	170	
72-20-8	Endrin	160	
33213-65-9	Endosulfan II	160	
72-54-8	4,4'-DDD	160	
1031-07-8	Endosulfan sulfate	150	
50-29-3	4,4'-DDT	150	
72-43-5	Methoxychlor	150	
53494-70-5	Endrin ketone	150	
7421-93-4	Endrin aldehyde	100	
8001-35-2	Toxaphene	33	U
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U
57-74-9	Chlordane	290	

CHROMATOGRAM



Data File: >Y7339::D5 Quant Output File: ^Y7339::D5
Name: MET SPK Instrument ID: Y
Misc: N2P41675PS,N2P41675,S:G2,30,5:1,

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 16:50
Injected at: 941116 16:09

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 16:50
Output File: ^Y7339::D5 Injected at: 941116 16:09
Data File: >Y7339::D5 Dilution Factor: 1.00000
Name: MET SPK Instrument ID: Y
Misc: N2P41675PS,N2P41675,S:G2,30,5:1,

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.69	744	577091	.392	ug/ml	100
2)	#Alpha-BHC	8.95	895	1797992	.870	ug/ml	100
3)	#Beta-BHC	9.64	978	793093	.842	ug/ml	100
4)	#Gamma-BHC	9.99	1020	1573991	.939	ug/ml	100
5)	#Lindane	9.99	1020	1573991	.939	ug/ml	100
6)	#Delta-BHC	10.82	1119	1490088	.854	ug/ml	100
7)	#Heptachlor	12.39	1308	1485231	.823	ug/ml	100
8)	#Aldrin	13.62	1455	1415854	.916	ug/ml	100
9)	#Heptachlor epoxide	14.86	1604	1389762	.899	ug/ml	100
10)	#gamma-Chlordane	15.64	1698	1408365	.880	ug/ml	100
11)	#alpha-Chlordane	16.09	1752	2580618	1.79	ug/ml	100
12)	#Endosulfan I	16.09	1752	2580618	1.79	ug/ml	100
13)	#4,4'-DDE	16.67	1821	1324686	1.04	ug/ml	100
14)	#Dieldrin	17.01	1862	1410755	1.01	ug/ml	100
15)	#Endrin	17.73	1949	1255155	.988	ug/ml	100
16)	#Endosulfan II	18.06	1988	2226669	1.95	ug/ml	100
17)	#4,4'-DDD	18.06	1988	2226669	1.95	ug/ml	100
18)	#Endrin aldehyde	18.53	2044	718698	.628	ug/ml	100
19)	#4,4'-DDT	19.31	2138	2029665	1.78	ug/ml	100
20)	#Endosulfan sulfate	19.31	2138	2029665	1.78	ug/ml	100
21)	#Endrin ketone	21.07	2349	1367569	.925	ug/ml	100
22)	#Methoxychlor	21.25	2371	620922	.901	ug/ml	100
23)	#Decachlorobiphenyl	31.58	3610	841301	.409	ug/ml	100

Compound uses ESTD

AIC
11/17/94

00598

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: ~~CLJDWS075~~ CLJDWS102

Matrix: (soil/water) WATER Lab Sample ID: N1P41701PS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: ^Z7412

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/14/94

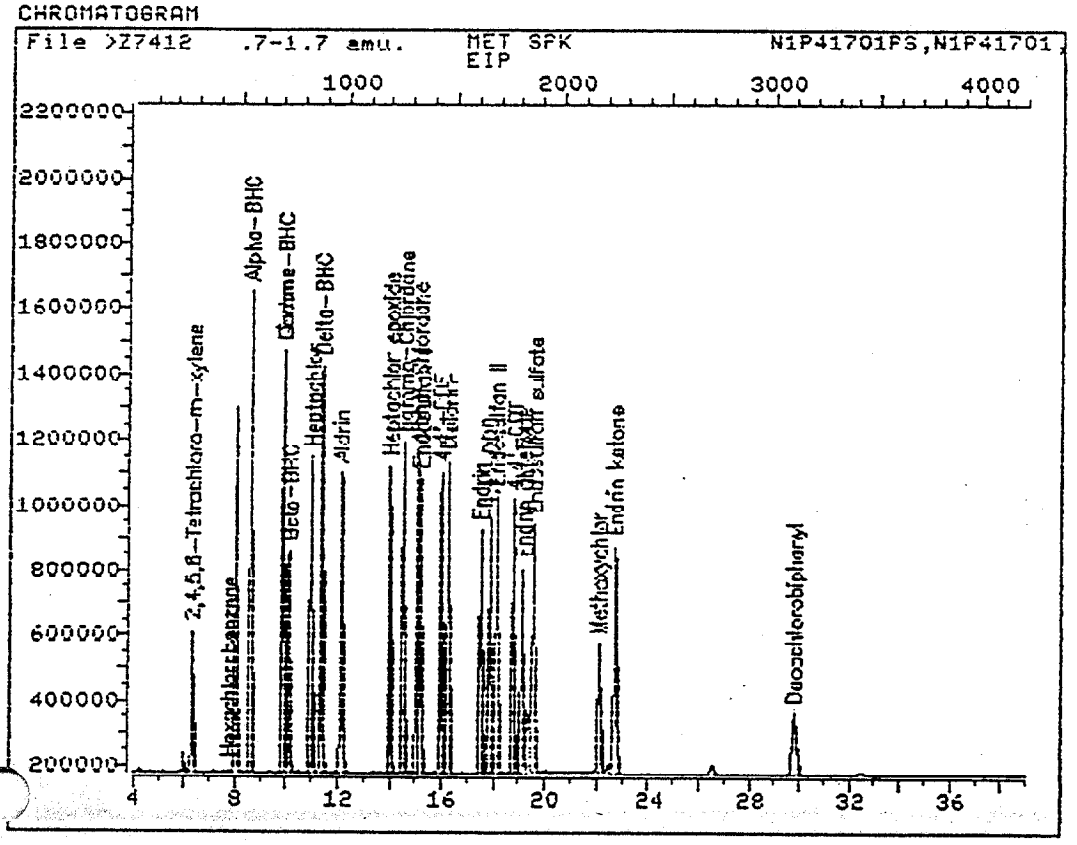
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	1.1	
319-85-7	beta-BHC	.94	
319-86-8	delta-BHC	1.2	
58-89-9	gamma-BHC (Lindane)	1.1	
76-44-8	Heptachlor	.85	
309-00-2	Aldrin	.98	
1024-57-3	Heptachlor epoxide	.98	
959-98-8	Endosulfan I	1.1	
60-57-1	Dieldrin	1.1	
72-55-9	4,4'-DDE	1.0	
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	1.1	
72-54-8	4,4'-DDD	1.2	
1031-07-8	Endosulfan sulfate	1.1	
50-29-3	4,4'-DDT	1.2	
72-43-5	Methoxychlor	1.1	
53494-70-5	Endrin ketone	1.1	
7421-93-4	Endrin aldehyde	.95	
8001-35-2	Toxaphene	.20	U
12674-11-2	Aroclor-1016	.10	U
11104-28-2	Aroclor-1221	.10	U
11141-16-5	Aroclor-1232	.10	U
53469-21-9	Aroclor-1242	.10	U
12672-29-6	Aroclor-1248	.10	U
11097-69-1	Aroclor-1254	.10	U
11096-82-5	Aroclor-1260	.10	U
57-74-9	Chlordane	2.0	

CHROMATOGRAM



Data File: >Z7412::D5 Quant Output File: ^Z7412::D5
Name: MET SPK Instrument ID: Z
Misc: N1P41701PS,N1P41701,L:G2,1000,1:1,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 941116 19:04
Injected at: 941116 18:22

QUANT REPORT Page 1

Operator ID: USER2 Quant Rev: 7 Quant Time: 941116 19:04
Output File: ^Z7412::D5 Injected at: 941116 18:22
Data File: >Z7412::D5 Dilution Factor: 1.00000
Name: MET SPK Instrument ID: Z
Misc: N1P41701PS,N1P41701,L:G2,1000,1:1,

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.30	277	2052426	.393	ug/ml	100
2)	#Alpha-BHC	8.53	545	7337944	1.13	ug/ml	100
3)	#Lindane	9.86	704	6544565	1.09	ug/ml	100
4)	#Gamma-BHC	9.86	704	6544565	1.09	ug/ml	100
5)	#Beta-BHC	10.08	731	3255353	.937	ug/ml	100
6)	#Heptachlor	10.95	835	5630937	.853	ug/ml	100
7)	#Delta-BHC	11.33	881	5932522	1.16	ug/ml	100
8)	#Aldrin	12.08	970	5419662	.982	ug/ml	100
9)	#Heptachlor epoxide	13.98	1198	5387701	.979	ug/ml	100
10)	#gamma-Chlordane	14.52	1264	5754625	1.01	ug/ml	100
11)	#alpha-Chlordane	15.07	1329	5620693	.993	ug/ml	100
12)	#Endosulfan I	15.17	1341	4837526	1.05	ug/ml	100
13)	#4,4'-DDE	15.92	1431	4695288	1.03	ug/ml	100
14)	#Dieldrin	16.21	1466	5373831	1.10	ug/ml	100
15)	#Endrin	17.44	1614	4153497	1.03	ug/ml	100
16)	#4,4'-DDD	17.78	1654	4004049	1.17	ug/ml	100
17)	#Endosulfan II	18.04	1686	4749164	1.11	ug/ml	100
18)	#4,4'-DDT	18.78	1774	4397825	1.20	ug/ml	100
19)	#Endrin aldehyde	19.13	1816	3482694	.945	ug/ml	100
20)	#Endosulfan sulfate	19.53	1865	4341011	1.13	ug/ml	100
21)	#Methoxychlor	22.04	2166	2695464	1.13	ug/ml	100
22)	#Endrin ketone	22.65	2239	5174944	1.12	ug/ml	100
23)	#Decachlorobiphenyl	29.78	3095	2395693	.393	ug/ml	100
33)	#Hexachlorobenzene	7.74	450	50239	.000147	ug/ml	100

Compound uses ESTD

af 11/17/94

00601
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLJDWS075MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743PS

Sample wt/vol: 2.65 (g/mL) G Lab File ID: ^Z7459

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3580 Date Extracted: 11/14/94

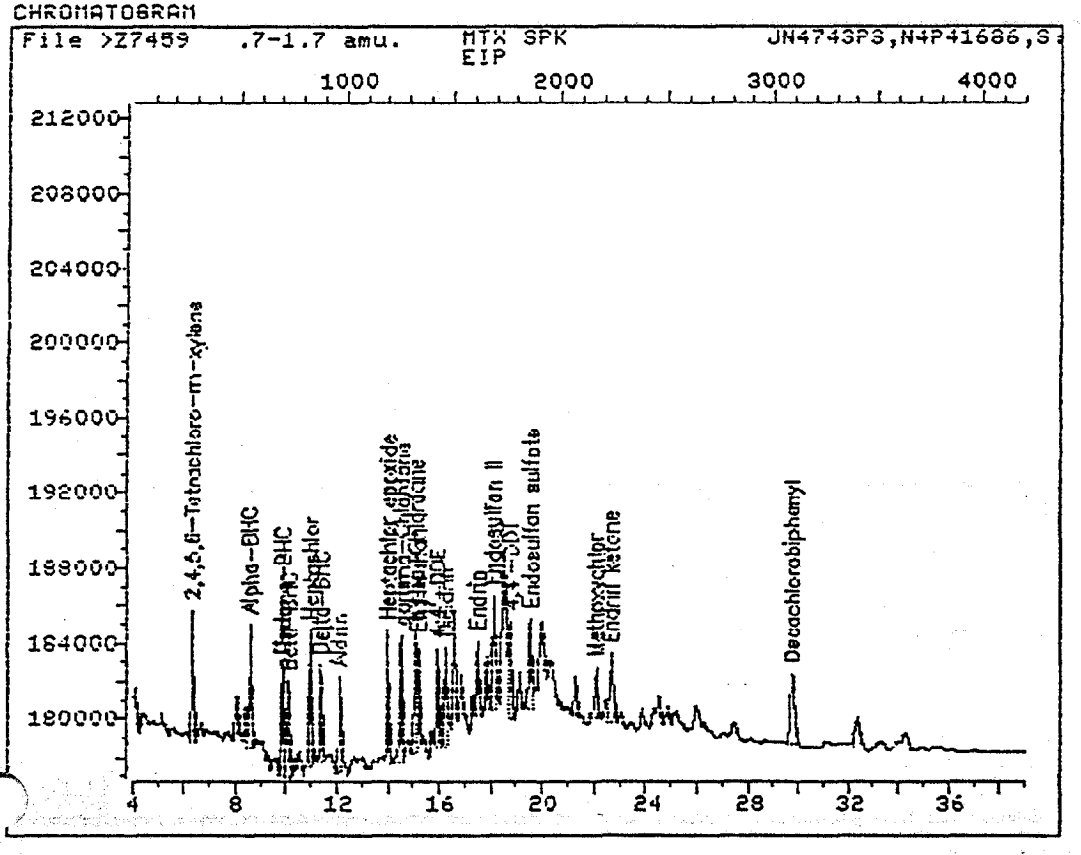
Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/18/94

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	600	J
319-85-7	beta-BHC	1100	J
319-86-8	delta-BHC	650	J
58-89-9	gamma-BHC (Lindane)	650	J
76-44-8	Heptachlor	740	J
309-00-2	Aldrin	710	J
1024-57-3	Heptachlor epoxide	980	J
959-98-8	Endosulfan I	760	J
60-57-1	Dieldrin	850	J
72-55-9	4,4'-DDE	760	J
72-20-8	Endrin	670	J
33213-65-9	Endosulfan II	1200	J
72-54-8	4,4'-DDD	420	J
1031-07-8	Endosulfan sulfate	1100	J
50-29-3	4,4'-DDT	1200	J
72-43-5	Methoxychlor	930	J
53494-70-5	Endrin ketone	740	J
7421-93-4	Endrin aldehyde	450	J
8001-35-2	Toxaphene	25000	U
12674-11-2	Aroclor-1016	12000	U
11104-28-2	Aroclor-1221	12000	U
11141-16-5	Aroclor-1232	12000	U
53469-21-9	Aroclor-1242	12000	U
12672-29-6	Aroclor-1248	12000	U
11097-69-1	Aroclor-1254	12000	U
11096-82-5	Aroclor-1260	12000	U
57-74-9	Chlordane	1600	J

CHROMATOGRAM



Data File: >Z7459::D5 Quant Output File: ^Z7459::D5
Name: MTX SPK Instrument ID: Z
Misc: JN4743PS,N4P41686,S:G2,2.65,6.5:50,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 14:13
Injected at: 941118 13:32

QUANT REPORT Page 1

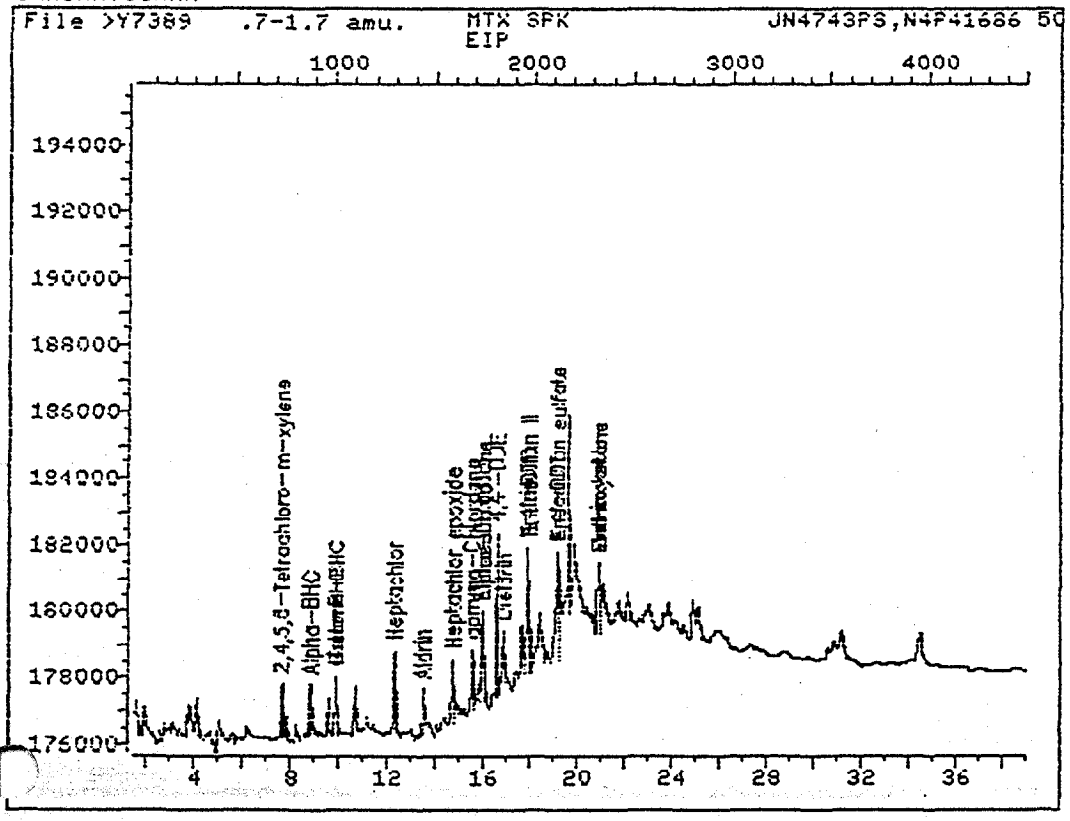
Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 14:13
Output File: ^Z7459::D5 Injected at: 941118 13:32
Data File: >Z7459::D5 Dilution Factor: 1.00000
Name: MTX SPK Instrument ID: Z
Misc: JN4743PS,N4P41686,S:G2,2.65,6.5:50,

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	31519	.00603	ug/ml	100
2)	#Alpha-BHC	8.52	544	31936	.00492	ug/ml	100
3)	#Lindane	9.84	702	31552	.00526	ug/ml	100
4)	#Gamma-BHC	9.84	702	31552	.00526	ug/ml	100
5)	#Beta-BHC	10.07	729	31744	.00913	ug/ml	100
6)	#Heptachlor	10.93	833	39839	.00604	ug/ml	100
7)	#Delta-BHC	11.32	879	26943	.00526	ug/ml	100
8)	#Aldrin	12.05	967	31808	.00576	ug/ml	100
9)	#Heptachlor epoxide	13.96	1196	43743	.00795	ug/ml	100
10)	#gamma-Chlordane	14.50	1261	38912	.00683	ug/ml	100
11)	#alpha-Chlordane	15.05	1327	33792	.00597	ug/ml	100
12)	#Endosulfan I	15.15	1339	28399	.00617	ug/ml	100
13)	#4,4'-DDE	15.89	1428	28224	.00620	ug/ml	100
14)	#Dieldrin	16.19	1464	33824	.00693	ug/ml	100
15)	#Endrin	17.42	1612	21919	.00545	ug/ml	100
17)	#Endosulfan II	18.03	1685	41632	.00972	ug/ml	100
18)	#4,4'-DDT	18.75	1771	34463	.00940	ug/ml	100
20)	#Endosulfan sulfate	19.51	1862	35680	.00926	ug/ml	100
21)	#Methoxychlor	22.01	2162	18144	.00759	ug/ml	100
22)	#Endrin ketone	22.61	2234	27935	.00606	ug/ml	100
23)	#Decachlorobiphenyl	29.72	3087	44420	.00729	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7389::D5 Quant Output File: ^Y7389::D5
Name: MTX SPK Instrument ID: Y
Misc: JN4743PS,N4P41686 50X

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 14:14
Injected at: 941118 13:32

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 14:14
Output File: ^Y7389::D5 Injected at: 941118 13:32
Data File: >Y7389::D5 Dilution Factor: 1.00000
Name: MTX SPK Instrument ID: Y
Misc: JN4743PS,N4P41686 50X

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.58	731	7232	.00491	ug/ml	100
2)	#Alpha-BHC	8.83	880	7007	.00377	ug/ml	100
3)	#Beta-BHC	9.86	1004	8064	.00857	ug/ml	100
4)	#Gamma-BHC	9.86	1004	8064	.00481	ug/ml	100
5)	#Lindane	9.86	1004	8064	.00481	ug/ml	100
7)	#Heptachlor	12.25	1291	11264	.00624	ug/ml	100
8)	#Aldrin	13.46	1436	7167	.00464	ug/ml	100
9)	#Heptachlor epoxide	14.70	1585	9663	.00625	ug/ml	100
10)	#gamma-Chlordane	15.48	1679	10400	.00650	ug/ml	100
11)	#alpha-Chlordane	15.93	1733	17183	.0119	ug/ml	100
12)	#Endosulfan I	15.93	1733	17183	.0119	ug/ml	100
13)	#4,4'-DDE	16.53	1804	25216	.0198	ug/ml	100
14)	#Dieldrin	16.85	1843	6975	.00499	ug/ml	100
15)	#Endrin	17.89	1968	20831	.0164	ug/ml	100
16)	#Endosulfan II	17.89	1968	20831	.0183	ug/ml	100
17)	#4,4'-DDD	17.89	1968	20831	.0183	ug/ml	100
19)	#4,4'-DDT	19.14	2118	29631	.0259	ug/ml	100
20)	#Endosulfan sulfate	19.14	2118	29631	.0259	ug/ml	100
21)	#Endrin ketone	20.87	2325	14080	.00952	ug/ml	100
22)	#Methoxychlor	20.87	2325	14080	.0204	ug/ml	100

Compound uses ESTD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS075MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: ~~NFESC~~ NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJDWS075

Matrix: (soil/water) SOIL Lab Sample ID: JN4743PR

Sample wt/vol: 2.08 (g/mL) G Lab File ID: ^Z7460

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3580 Date Extracted: 11/14/94

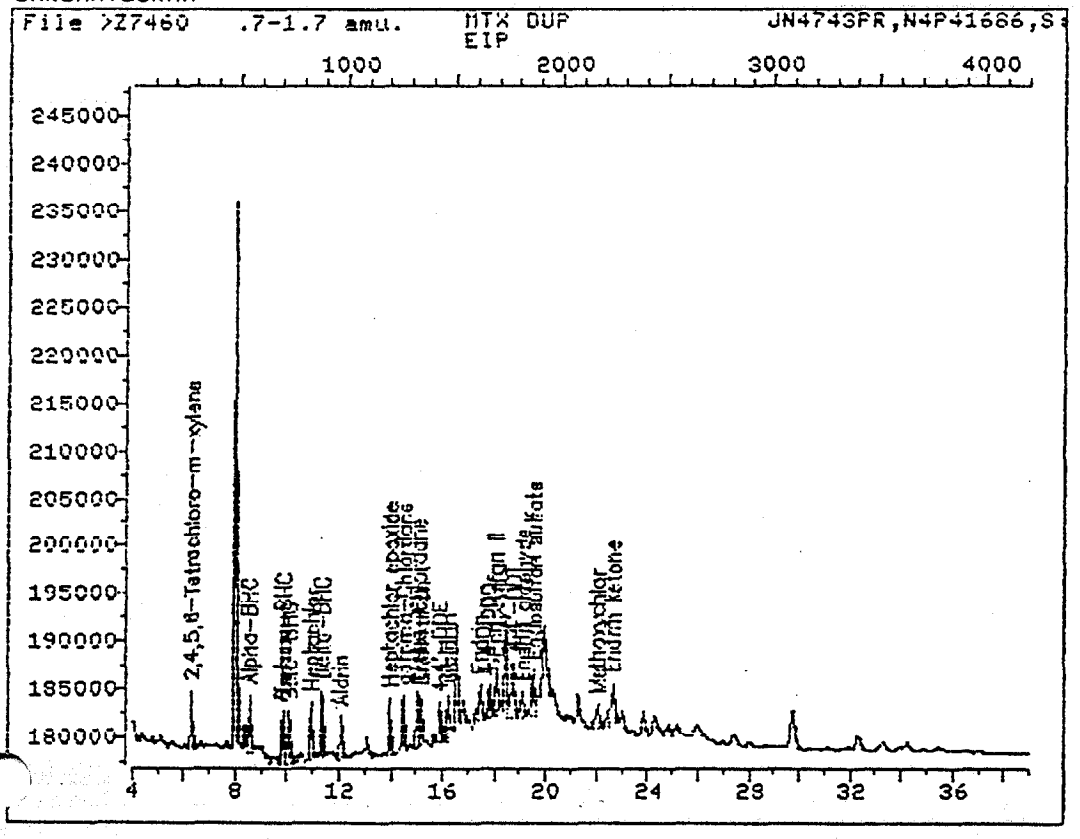
Concentrated Extract Volume: 6500 (uL) Date Analyzed: 11/18/94

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	700	J
319-85-7	beta-BHC	1500	J
319-86-8	delta-BHC	1000	J
58-89-9	gamma-BHC (Lindane)	740	J
76-44-8	Heptachlor	800	J
309-00-2	Aldrin	780	J
1024-57-3	Heptachlor epoxide	1100	J
959-98-8	Endosulfan I	970	J
60-57-1	Dieldrin	1000	J
72-55-9	4,4'-DDE	780	J
72-20-8	Endrin	910	J
33213-65-9	Endosulfan II	1100	J
72-54-8	4,4'-DDD	930	J
1031-07-8	Endosulfan sulfate	1300	J
50-29-3	4,4'-DDT	2400	
72-43-5	Methoxychlor	1300	J
53494-70-5	Endrin ketone	1200	J
7421-93-4	Endrin aldehyde	890	J
8001-35-2	Toxaphene	31000	U
12674-11-2	Aroclor-1016	16000	U
11104-28-2	Aroclor-1221	16000	U
11141-16-5	Aroclor-1232	16000	U
53469-21-9	Aroclor-1242	16000	U
12672-29-6	Aroclor-1248	16000	U
11097-69-1	Aroclor-1254	16000	U
11096-82-5	Aroclor-1260	16000	U
57-74-9	Chlordane	1700	J

CHROMATOGRAM



Data File: >Z7460::D5 Quant Output File: ^Z7460::D5
Name: MTX DUP Instrument ID: Z
Misc: JN4743PR,N4P41686,S:G2,2.08,6.5:50,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 14:58
Injected at: 941118 14:17

QUANT REPORT Page 1

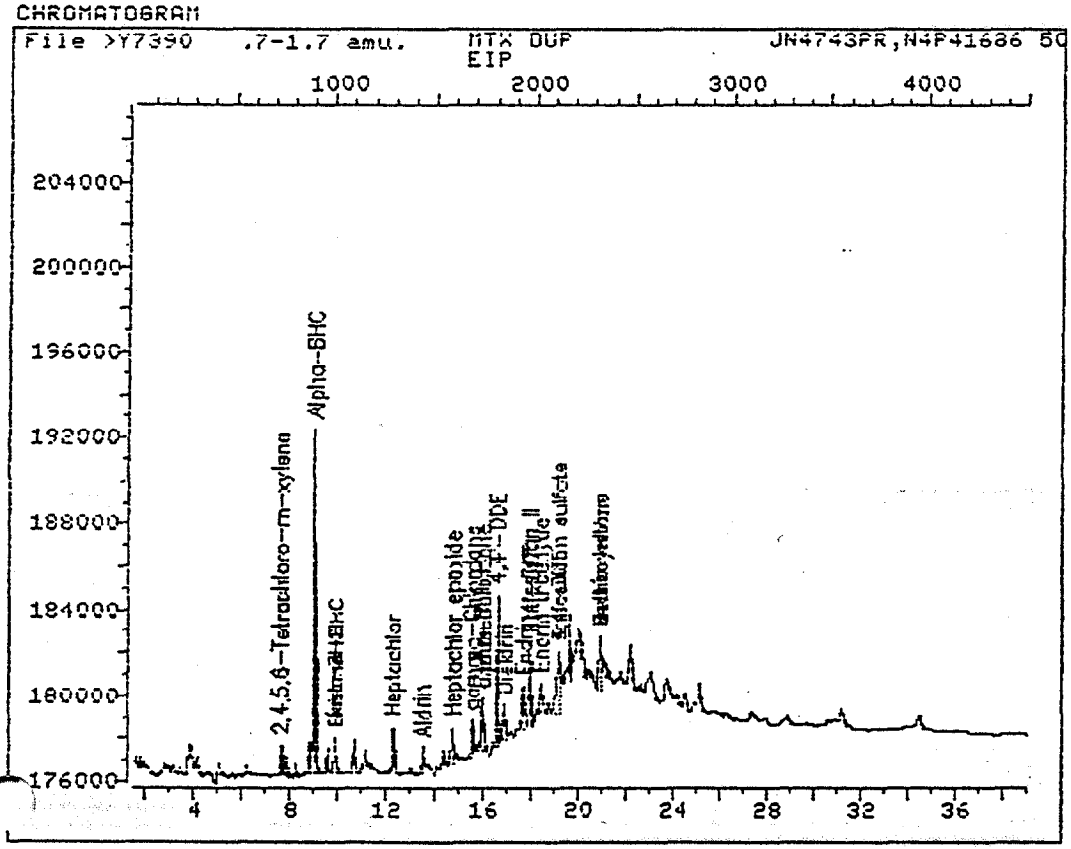
Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 14:58
Output File: ^Z7460::D5 Injected at: 941118 14:17
Data File: >Z7460::D5 Dilution Factor: 1.00000
Name: MTX DUP Instrument ID: Z
Misc: JN4743PR,N4P41686,S:G2,2.08,6.5:50,

ID File: IZPN04::D5
Title: PESTICIDES D8-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	27360	.00524	ug/ml	100
2)	#Alpha-BHC	8.52	544	29120	.00448	ug/ml	100
3)	#Lindane	9.84	702	28480	.00475	ug/ml	100
4)	#Gamma-BHC	9.84	702	28480	.00475	ug/ml	100
5)	#Beta-BHC	10.07	729	33120	.00953	ug/ml	100
6)	#Heptachlor	10.93	833	33727	.00511	ug/ml	100
7)	#Delta-BHC	11.33	880	33919	.00662	ug/ml	100
8)	#Aldrin	12.05	967	27423	.00497	ug/ml	100
9)	#Heptachlor epoxide	13.96	1196	39040	.00710	ug/ml	100
10)	#gamma-Chlordane	14.50	1261	30528	.00536	ug/ml	100
11)	#alpha-Chlordane	15.05	1327	31968	.00565	ug/ml	100
12)	#Endosulfan I	15.15	1339	28523	.00620	ug/ml	100
13)	#4,4'-DDE	15.89	1428	22656	.00498	ug/ml	100
14)	#Dieldrin	16.19	1464	32032	.00657	ug/ml	100
15)	#Endrin	17.43	1613	23488	.00584	ug/ml	100
16)	#4,4'-DDD	17.76	1652	20256	.00592	ug/ml	100
17)	#Endosulfan II	18.03	1684	29920	.00698	ug/ml	100
18)	#4,4'-DDT	18.73	1769	55776	.0152	ug/ml	100
19)	#Endrin aldehyde	19.11	1814	21055	.00572	ug/ml	100
20)	#Endosulfan sulfate	19.51	1862	31231	.00810	ug/ml	100
21)	#Methoxychlor	22.02	2163	20607	.00862	ug/ml	100
22)	#Endrin ketone	22.62	2235	36038	.00782	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7390::D5 Quant Output File: ^Y7390::D5
Name: MTX DUP Instrument ID: Y
Misc: JN4743PR,N4P41686 50X

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 14:58
Injected at: 941118 14:17

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 14:58
Output File: ^Y7390::D5 Injected at: 941118 14:17
Data File: >Y7390::D5 Dilution Factor: 1.00000
Name: MTX DUP Instrument ID: Y
Misc: JN4743PR,N4P41686 50X

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	730	6847	.00465	ug/ml	100
2)	#Alpha-BHC	8.98	898	68610	.0336	ug/ml	100
3)	#Beta-BHC	9.86	1004	7008	.00744	ug/ml	100
4)	#Gamma-BHC	9.86	1004	7008	.00418	ug/ml	100
5)	#Lindane	9.86	1004	7008	.00418	ug/ml	100
7)	#Heptachlor	12.24	1290	9824	.00544	ug/ml	100
8)	#Aldrin	13.46	1436	6015	.00389	ug/ml	100
9)	#Heptachlor epoxide	14.71	1586	8639	.00559	ug/ml	100
10)	#gamma-Chlordane	15.48	1678	8287	.00518	ug/ml	100
11)	#alpha-Chlordane	15.92	1732	15647	.0109	ug/ml	100
12)	#Endosulfan I	15.92	1732	15647	.0109	ug/ml	100
13)	#4,4'-DDE	16.53	1804	36416	.0286	ug/ml	100
14)	#Dieldrin	16.85	1843	8895	.00636	ug/ml	100
15)	#Endrin	17.67	1941	11861	.00934	ug/ml	100
16)	#Endosulfan II	17.89	1968	22368	.0196	ug/ml	100
17)	#4,4'-DDD	17.89	1968	22368	.0196	ug/ml	100
18)	#Endrin aldehyde	18.34	2022	10207	.00892	ug/ml	100
19)	#4,4'-DDT	19.13	2117	28832	.0252	ug/ml	100
20)	#Endosulfan sulfate	19.13	2117	28832	.0252	ug/ml	100
21)	#Endrin ketone	20.87	2325	16095	.0109	ug/ml	100
22)	#Methoxychlor	20.87	2325	16095	.0234	ug/ml	100

Compound uses ESTD

00611
EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

PSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJW5075

Matrix: (soil/water) SOIL Lab Sample ID: N4P41686PS

Sample wt/vol: 2.00 (g/mL) G Lab File ID: ^Z7458

% Moisture: N/A decanted: (Y/N) N Date Received: 11/10/94

Extraction: (SepF/Cont/Sonc) 3580 Date Extracted: 11/14/94

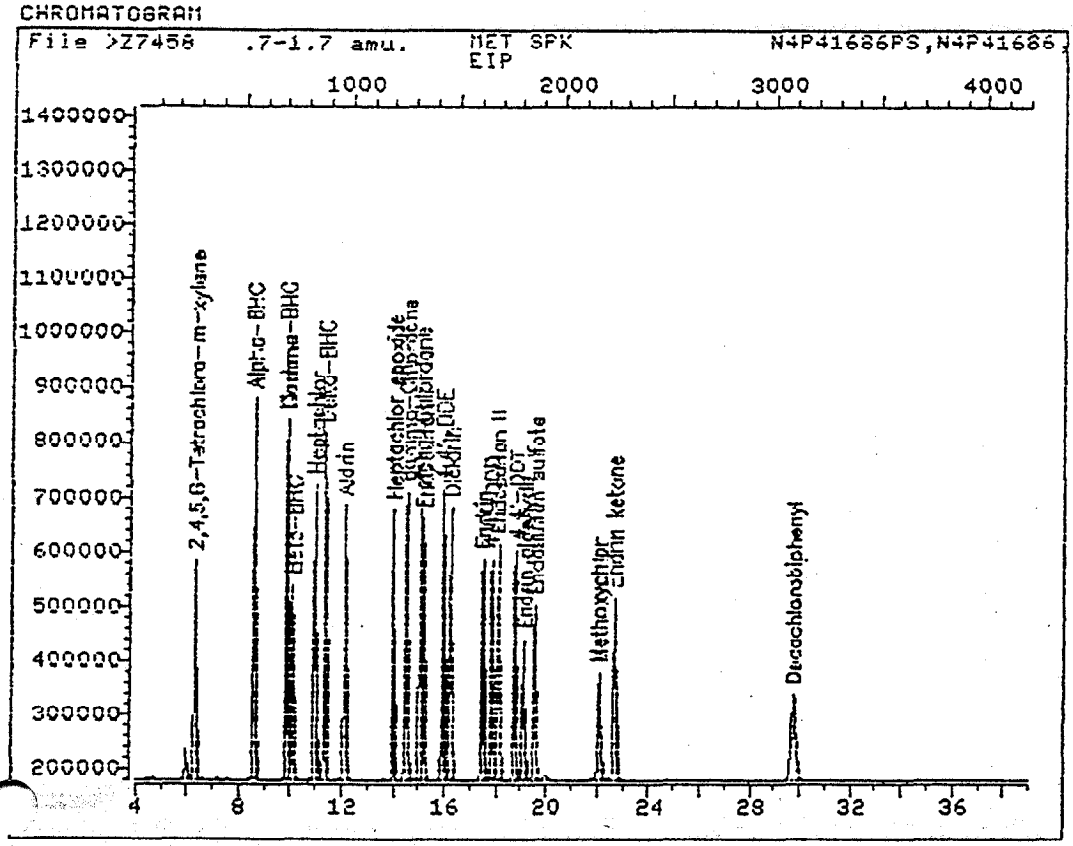
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/18/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1300	
319-85-7	beta-BHC	1200	
319-86-8	delta-BHC	1400	
58-89-9	gamma-BHC (Lindane)	1400	
76-44-8	Heptachlor	1200	
309-00-2	Aldrin	1300	
1024-57-3	Heptachlor epoxide	1300	
959-98-8	Endosulfan I	1400	
60-57-1	Dieldrin	1400	
72-55-9	4,4'-DDE	1500	
72-20-8	Endrin	1400	
33213-65-9	Endosulfan II	1400	
72-54-8	4,4'-DDD	1500	
1031-07-8	Endosulfan sulfate	1100	
50-29-3	4,4'-DDT	1500	
72-43-5	Methoxychlor	1400	
53494-70-5	Endrin ketone	1300	
7421-93-4	Endrin aldehyde	960	
8001-35-2	Toxaphene	500	U
12674-11-2	Aroclor-1016	250	U
11104-28-2	Aroclor-1221	250	U
11141-16-5	Aroclor-1232	250	U
53469-21-9	Aroclor-1242	250	U
12672-29-6	Aroclor-1248	250	U
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	250	U
57-74-9	Chlordane	2500	

CHROMATOGRAM



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Name: MET SPK Instrument ID: Z
Misc: N4P41686PS,N4P41686,S:G2,2,5:1,

Id File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 13:29
Injected at: 941118 12:48

QUANT REPORT Page 1

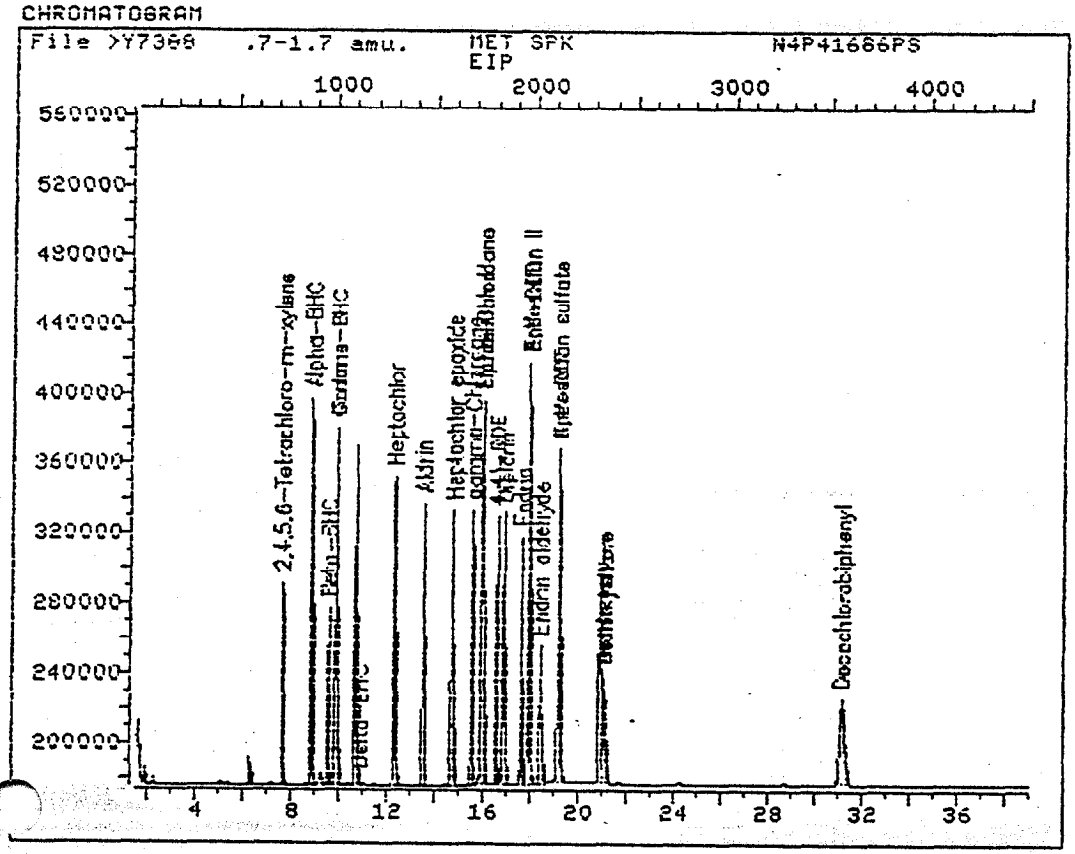
Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 13:29
Output File: ^Z7458::D5 Injected at: 941118 12:48
Data File: >Z7458::D5 Dilution Factor: 1.00000
Name: MET SPK Instrument ID: Z
Misc: N4P41686PS,N4P41686,S:G2,2,5:1,

ID File: IZPN04::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 941104 15:06 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.29	276	1922472	.368	ug/ml	100
2)	#Alpha-BHC	8.52	543	3379062	.520	ug/ml	100
3)	#Lindane	9.83	701	3247191	.542	ug/ml	100
4)	#Gamma-BHC	9.83	701	3247191	.542	ug/ml	100
5)	#Beta-BHC	10.07	729	1720427	.495	ug/ml	100
6)	#Heptachlor	10.93	833	3084825	.467	ug/ml	100
7)	#Delta-BHC	11.32	879	2963203	.579	ug/ml	100
8)	#Aldrin	12.06	968	2870333	.520	ug/ml	100
9)	#Heptachlor epoxide	13.96	1196	2762777	.502	ug/ml	100
10)	#gamma-Chlordane	14.50	1261	2946363	.517	ug/ml	100
11)	#alpha-Chlordane	15.05	1327	2815292	.497	ug/ml	100
12)	#Endosulfan I	15.15	1339	2605270	.566	ug/ml	100
13)	#4,4'-DDE	15.90	1429	2665470	.586	ug/ml	100
14)	#Dieldrin	16.18	1463	2717692	.557	ug/ml	100
15)	#Endrin	17.42	1611	2223375	.553	ug/ml	100
16)	#4,4'-DDD	17.75	1651	2011406	.588	ug/ml	100
17)	#Endosulfan II	18.02	1683	2333082	.544	ug/ml	100
18)	#4,4'-DDT	18.76	1772	2144708	.585	ug/ml	100
19)	#Endrin aldehyde	19.11	1814	1412294	.383	ug/ml	100
20)	#Endosulfan sulfate	19.51	1862	1736570	.451	ug/ml	100
21)	#Methoxychlor	22.01	2162	1341815	.562	ug/ml	100
22)	#Endrin ketone	22.62	2235	2411638	.523	ug/ml	100
23)	#Decachlorobiphenyl	29.72	3088	2035021	.334	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Y7388::D5 Quant Output File: ^Y7388::D5
Name: MET SPK Instrument ID: Y
Misc: N4P41686PS

Id File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

Operator ID: USER6
Quant Time : 941118 13:29
Injected at: 941118 12:48

QUANT REPORT Page 1

Operator ID: USER6 Quant Rev: 7 Quant Time: 941118 13:29
Output File: ^Y7388::D5 Injected at: 941118 12:48
Data File: >Y7388::D5 Dilution Factor: 1.00000
Name: MET SPK Instrument ID: Y
Misc: N4P41686PS

ID File: IYPN04::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 941104 15:08 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.57	730	529025	.359	ug/ml	100
2)	#Alpha-BHC	8.83	880	967298	.468	ug/ml	100
3)	#Beta-BHC	9.52	963	467201	.496	ug/ml	100
4)	#Gamma-BHC	9.86	1004	898019	.536	ug/ml	100
5)	#Lindane	9.86	1004	898019	.536	ug/ml	100
6)	#Delta-BHC	10.86	1124	15537	.0136	ug/ml	100
7)	#Heptachlor	12.25	1291	850055	.471	ug/ml	100
)	#Aldrin	13.46	1436	786337	.509	ug/ml	100
)	#Heptachlor epoxide	14.71	1586	765938	.495	ug/ml	100
10)	#gamma-Chlordane	15.48	1679	793511	.496	ug/ml	100
11)	#alpha-Chlordane	15.93	1733	1462222	1.01	ug/ml	100
12)	#Endosulfan I	15.93	1733	1462222	1.01	ug/ml	100
13)	#4,4'-DDE	16.52	1803	726343	.570	ug/ml	100
14)	#Dieldrin	16.85	1843	750017	.537	ug/ml	100
15)	#Endrin	17.57	1929	694046	.546	ug/ml	100
16)	#Endosulfan II	17.90	1969	1210699	1.06	ug/ml	100
17)	#4,4'-DDD	17.90	1969	1210699	1.06	ug/ml	100
18)	#Endrin aldehyde	18.36	2024	414147	.362	ug/ml	100
19)	#4,4'-DDT	19.15	2119	1065359	.932	ug/ml	100
20)	#Endosulfan sulfate	19.15	2119	1065359	.932	ug/ml	100
21)	#Endrin ketone	21.06	2348	357213	.241	ug/ml	100
22)	#Methoxychlor	21.06	2348	357213	.518	ug/ml	100
23)	#Decachlorobiphenyl	31.13	3556	618187	.300	ug/ml	100

Compound uses ESTD

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

SOW No.:

EPA Sample No.	Lab Sample ID.
CLJDWS075	JN4743
CLJDWS102	JN4741
CLJDWS151	JN4742

Were ICP interelement corrections applied? Yes/No YES

Were ICP backgrounds corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature] Name: Technical Project Manager

Date: 5/2/95 Title: William A. Fithian

Narrative for SDG # CLJDWS075

Metals

All of the initial calibration criteria were within QC limits.

Antimony, Iron and Selenium did not pass all continuing calibration criteria but should not negatively impact the data validity.

The CRDL standard met all QC criteria.

Low levels of Aluminum, Calcium, Iron, Manganese and Zinc were detected in the soil method blank. This anomaly should not impact the validity of the data generated.

Low levels of Cadmium were detected in the soil initial calibration blank. This anomaly should not impact the validity of the data generated.

Low levels of Antimony, Barium, Cadmium, Calcium, Iron, Manganese and Sodium were detected in the soil continuing calibration blank. this anomaly should not impact the validity of the data generated.

Low levels of Aluminum, Calcium, Iron, Manganese, Mercury and Zinc were detected in the water method blank. This anomaly should not impact the validity of the data generated.

Low levels of Barium and Calcium were detected in the water initial calibration blank. This anomaly should not impact the validity of the data generated.

Low levels of Antimony, Barium, Calcium, Iron and Sodium were detected in the water continuing calibration blank. This anomaly should not impact the validity of the data generated.

Low spike recoveries were noted for Chromium, Copper, Lead, Silver and Mercury for CLJDWS151.

Iron and Zinc were outside QC limits due to the high levels of these elements present in the unspiked sample CLJDWS151.

Low spike recoveries were noted for Aluminum, Antimony, Arsenic, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Lead, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Thallium and Vanadium in sample CLJDWS075.

No spike recoveries were available for Iron and Zinc due to high amounts present in the unspiked sample CLJDWS075.

Low spike recoveries were noted for Barium and Manganese in sample RB06B2/C/D.

A sample from another SDG was utilized for the matrix spike and replicate analysis for the water analytical batch, sample RB06B2/C/D.

Duplicate results were >20% for Barium, Chromium, Iron, Lead, Mercury and Silver for sample CLJDWS151. This will have minimal impact on the validity of the data submitted. All other duplicate criteria were met for this SDG.

All Laboratory Control Samples (LCS) were within acceptable QC limits.

All holding times were met for this SDG.

No Quarterly Linearity Checks are available for this SDG.

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): OIL Lab Sample ID: JN4743

Level (low/med): LOW Date Received: 11/10/94

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.61		N	P
7440-36-0	Antimony	0.741	U	N	P
7440-38-2	Arsenic	0.57	U	N	F
7440-39-3	Barium	0.313		N	P
7440-41-7	Beryllium	0.013	U		P
7440-43-9	Cadmium	0.46		N	P
7440-70-2	Calcium	48.3	B	N	P
7440-47-3	Chromium	1.45		N	P
7440-48-4	Cobalt	0.453	B	N	P
7440-50-8	Copper	1.13		N	P
7439-89-6	Iron	13300			P
7439-92-1	Lead	14		N	F
7439-95-4	Magnesium	6.22	B	N	P
7439-96-5	Manganese	39.6		N	P
7439-97-6	Mercury	0.25			CV
7440-02-0	Nickel	3.36	B	N	P
7440-09-7	Potassium	37.1	U	N	P
7782-49-2	Selenium	0.978	U		F
7440-22-4	Silver	0.144		N	P
7440-23-5	Sodium	135		N	P
7440-28-0	Thallium	1.25		N	F
7440-62-2	Vanadium	0.104	U	N	P
7440-66-6	Zinc	196			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS102

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): WATER Lab Sample ID: JN4741

Level (low/med): LOW Date Received: 11/10/94

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1140			P
7440-36-0	Antimony	29.8	U		P
7440-38-2	Arsenic	2	U		F
7440-39-3	Barium	41.6	B	N	P
7440-41-7	Beryllium	0.5	U		P
7440-43-9	Cadmium	89.5			P
7440-70-2	Calcium	7230			P
7440-47-3	Chromium	96.2			P
7440-48-4	Cobalt	4.49	B		P
7440-50-8	Copper	877			P
7439-89-6	Iron	2310000			P
7439-92-1	Lead	5.61			F
7439-95-4	Magnesium	610	B		P
7439-96-5	Manganese	6330		N	P
7439-97-6	Mercury	0.439			CV
7440-02-0	Nickel	123			P
7440-09-7	Potassium	1490	U		P
7782-49-2	Selenium	1.3	U		F
7440-22-4	Silver	5.8	U		P
7440-23-5	Sodium	1910			P
7440-28-0	Thallium	2	U		F
7440-62-2	Vanadium	4.2	U		P
7440-66-6	Zinc	2280			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): SOIL Lab Sample ID: JN4742

Level (low/med): LOW Date Received: 11/10/94

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	241			P
7440-36-0	Antimony	0.745	U		P
7440-38-2	Arsenic	2	U		F
7440-39-3	Barium	28.3		*	P
7440-41-7	Beryllium	0.013	U		P
7440-43-9	Cadmium	0.298			P
7440-70-2	Calcium	53	B		P
7440-47-3	Chromium	6.9		N,*	P
7440-48-4	Cobalt	0.181	B		P
7440-50-8	Copper	16.3		N	P
7439-89-6	Iron	3750		*	P
7439-92-1	Lead	20.8		N,*	F
7439-95-4	Magnesium	15.1	B		P
7439-96-5	Manganese	25.8			P
7439-97-6	Mercury	0.1		N,*	CV
7440-02-0	Nickel	0.893	B		P
7440-09-7	Potassium	26.8	U		P
7782-49-2	Selenium	0.13	U		F
7440-22-4	Silver	0.868		N,*	P
7440-23-5	Sodium	10.8	B		P
7440-28-0	Thallium	0.2	U		F
7440-62-2	Vanadium	0.365	B		P
7440-66-6	Zinc	633			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum	9852.0	10210.00	103.6	4920.0	5013.00	101.9	5147.00	104.6	P
Antimony	5056.0	5340.00	105.6	2580.0	2730.00	105.8	5101.00	197.7	P
Arsenic	4869.0	5233.00	107.5	2540.0	2671.00	105.2	2750.00	108.3	P
Barium	9555.0	9705.00	101.6	4790.0	4801.00	100.2	4784.00	99.9	P
Beryllium	285.8	291.10	101.9	103.0	105.60	102.5	106.30	103.2	P
Cadmium	2512.0	2622.00	104.4	1330.0	1393.00	104.7	1417.00	106.5	P
Calcium	24850.0	25550.00	102.8	12500.0	12850.00	102.8	12980.00	103.8	P
Chromium	999.4	1038.00	103.9	530.0	536.40	101.2	535.40	101.0	P
Cobalt	2278.0	2380.00	104.5	1300.0	1342.00	103.2	1349.00	103.8	P
Copper	1250.0	1281.00	102.5	632.0	645.20	102.1	649.10	102.7	P
Iron	4869.0	5080.00	104.3	2480.0	2490.00	100.4	2575.00	103.8	P
Lead	5024.0	5317.00	105.8	2580.0	2769.00	107.3	2815.00	109.1	P
Magnesium	24930.0	26230.00	105.2	12500.0	13090.00	104.7	13210.00	105.7	P
Manganese	2455.0	2547.00	103.7	1290.0	1276.00	98.9	1266.00	98.1	P
Mercury	5.0	4.95	99.0	5.0	5.04	100.8	5.07	101.4	CV
Nickel	2452.0	2550.00	104.0	1290.0	1331.00	103.2	1352.00	104.8	P
Potassium	24920.0	25070.00	100.6	12400.0	12320.00	99.4	12200.00	98.4	P
Selenium	4831.0	4785.00	99.0	2480.0	2441.00	98.4	2433.00	98.1	P
Silver	1015.0	1006.00	99.1	679.0	702.50	103.5	706.30	104.0	P
Sodium	22830.0	23180.00	101.5	11400.0	11440.00	100.4	11470.00	100.6	P
Thallium	4856.0	5067.00	104.3	2510.0	2697.00	107.5	2731.00	108.8	P
Vanadium	4921.0	5079.00	103.2	2470.0	2540.00	102.8	2549.00	103.2	P
Zinc	2475.0	2599.00	105.0	1320.0	1370.00	103.8	1387.00	105.1	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				5.0	5.08	101.6			~~CCV~~ CV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum	9852.0	10040.00	101.9	4920.0	5017.00	102.0	5044.00	102.5	P
Antimony	5056.0	5260.00	104.0	2580.0	2698.00	104.6	2680.00	103.9	P
Arsenic									
Barium	9555.0	9615.00	100.6	4790.0	4824.00	100.7	4853.00	101.3	P
Beryllium	285.8	289.60	101.3	103.0	104.80	101.7	105.70	102.6	P
Cadmium	2512.0	2611.00	103.9	1330.0	1381.00	103.8	1392.00	104.7	P
Calcium	24850.0	25430.00	102.3	12500.0	12480.00	99.8	12630.00	101.0	P
Chromium	999.4	1030.00	103.1	530.0	549.00	103.6	553.70	104.5	P
Cobalt	2278.0	2351.00	103.2	1300.0	1330.00	102.3	1339.00	103.0	P
Copper	1250.0	1263.00	101.0	632.0	647.10	102.4	647.90	102.5	P
Iron	4869.0	5022.00	103.1	2480.0	2654.00	107.0	2795.00	112.7	P
Lead	5024.0	5271.00	104.9	2580.0	2707.00	104.9	2716.00	105.3	P
Magnesium	24930.0	25860.00	103.7	12500.0	13050.00	104.4	13190.00	105.5	P
Manganese	2455.0	2510.00	102.2	1290.0	1286.00	99.7	1303.00	101.0	P
Mercury	5.0	4.62	92.4	5.0	4.77	95.4			CV
Nickel	2452.0	2523.00	102.9	1290.0	1327.00	102.9	1338.00	103.7	P
Potassium	24920.0	25430.00	102.0	12400.0	12960.00	104.5	12710.00	102.5	P
Selenium									
Silver	1015.0	1020.00	100.5	679.0	694.10	102.2	694.80	102.3	P
Sodium	22830.0	23050.00	101.0	11400.0	11630.00	102.0	11690.00	102.5	P
Thallium									
Vanadium	4921.0	5019.00	102.0	2470.0	2520.00	102.0	2538.00	102.8	P
Zinc	2475.0	2552.00	103.1	1320.0	1367.00	103.6	1397.00	105.8	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	5.0	5.05	101.0	5.0	4.94	98.8			CV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	29.61	90.3	20.5	19.24	93.9	19.92	97.2	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	35.3	37.34	105.8	21.3	22.89	107.5	23.40	109.9	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.3	22.52	105.7	22.64	106.3	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	32.28	98.4	20.5	20.34	99.2			F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS073

Initial Calibration Source: APG

Continuing Calibration Source: PERKIN-ELMER

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	39.2	37.47	95.6	20.0	22.46	112.3	22.27	111.4	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS07

Initial Calibration Source: APG

Continuing Calibration Source: PERKIN-ELMER

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	23.08	115.4	21.57	107.9	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	36.38	103.9	20.0	21.06	105.3	21.52	107.6	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				20.0	22.00	110.0	21.79	109.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
3
BLANKS

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	59.9	U	59.9	U	59.9	U			68.500	B	P
Antimony	29.8	U	40.7	B	29.8	U			29.800	U	P
Arsenic	22.8	U	22.8	U	22.8	U			22.800	U	P
Barium	1.3	U	3.3	U	5.9	B			1.300	U	P
Beryllium	0.5	U	0.5	U	0.5	U			0.500	U	P
Cadmium	1.4	B	1.1	U	2.2	B			1.100	U	P
Calcium	6.3	U	11.3	B	19.9	B			115.000	B	P
Chromium	5.9	U	5.9	U	5.9	U			5.900	U	P
Cobalt	3.7	U	3.7	U	3.7	U			3.700	U	P
Copper	5.5	U	5.5	U	5.5	U			5.500	U	P
Iron	13.9	U	13.9	U	23.5	B			15.700	B	P
Lead	17.8	U	17.8	U	17.8	U			17.800	U	P
Magnesium	33.5	U	33.5	U	33.5	U			33.500	U	P
Manganese	1.2	U	1.2	U	2.0	B			1.400	B	P
Mercury	0.2	U	0.2	U	0.2	U			0.140	U	CV
Nickel	9.5	U	9.5	U	9.5	U			9.500	U	P
Potassium	1490.0	U	1490.0	U	1490.0	U			1490	U	P
Selenium	39.1	U	39.1	U	39.1	U			1.300	U	P
Silver	5.8	U	5.8	U	5.8	U			5.800	U	P
Sodium	53.6	U	56.4	B	64.7	B			53.600	U	P
Thallium	15.3	U	15.3	U	15.3	U			2.000	U	P
Vanadium	4.2	U	4.2	U	4.2	U			4.200	U	P
Zinc	4.1	U	4.1	U	4.1	U			5.300	B	P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	59.9	U	59.9	U	59.9	U			68.500	B	P
Antimony	29.8	U	40.7	B	29.8	U			29.800	U	P
Arsenic	22.8	U	22.8	U	22.8	U			22.800	U	P
Barium	2.2	B	1.4	B	2.2	B			1.300	U	P
Beryllium	0.5	U	0.5	U	0.5	U			0.500	U	P
Cadmium	1.1	U	1.1	U	1.1	U			1.100	U	P
Calcium	8.6	B	15.6	B	8.3	B			115.000	B	P
Chromium	5.9	U	5.9	U	5.9	U			5.900	U	P
Cobalt	3.7	U	3.7	U	3.7	U			3.700	U	P
Copper	5.5	U	5.5	U	5.5	U			5.500	U	P
Iron	13.9	U	30.6	B	17.2	B			15.700	B	P
Lead	17.8	U	17.8	U	17.8	U			17.800	U	P
Magnesium	33.5	U	33.5	U	33.5	U			33.500	U	P
Manganese	1.2	U	1.2	U	1.1	U			1.400	B	P
Mercury	0.2	U	0.2	U	~~0.2~~	~~U~~			0.210		CV
Nickel	9.5	U	9.5	U	9.5	U			9.500	U	P
Potassium	1490.0	U	1490.0	U	1490.0	U			1490	U	P
Selenium	39.1	U	39.1	U	39.1	U			1.300	U	P
Silver	5.8	U	5.8	U	5.8	U			5.800	U	P
Sodium	53.6	U	56.4	B	53.6	U			53.600	U	P
Thallium	15.3	U	15.3	U	15.3	U			2.000	U	P
Vanadium	4.2	U	4.2	U	4.2	U			4.200	U	P
Zinc	4.1	U	4.1	U	4.1	U			5.300	B	P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury			0.2	U							
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic	2.0	U	2.0	U					2.000	U	F
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	F
Magnesium											
Manganese											
Mercury	0.2	U	0.2	U					0.140	U	CV
Nickel											
Potassium											
Selenium	1.3	U	1.3	U	1.3	U	1.3	U	1.300	U	F
Silver											
Sodium											
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	F
Vanadium											
Zinc											
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			2.0	U							F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			1.3	U							F
Silver											
Sodium											
Thallium			2.0	U							F
Vanadium											
Zinc											
Cyanide											

U.S. EPA - CLP
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

ICP ID Number: 61 ICS Source: VENTURES

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	501000	553700	503700	505100.0	91.2	494900	488800.0	88.3
Antimony	0	1018	8	1019.0	100.1	34	970.4	95.3
Arsenic	0	1010	85	1101.0	109.0	93	1145.0	113.4
Barium	0	507	2	459.9	90.7	1	440.0	86.8
Beryllium	0	536	0	504.8	94.2	0	494.8	92.3
Cadmium	0	1021	10	990.9	97.1	10	972.5	95.2
Calcium	191000	255400	192400	240000.0	94.0	189400	232400.0	91.0
Chromium	0	497	-6	477.2	96.0	-7	445.0	89.5
Cobalt	0	498	-5	478.1	96.0	-6	458.0	92.0
Copper	0	519	3	476.5	91.8	5	459.9	88.6
Iron	182000	190500	185500	185000.0	97.1	176600	173300.0	91.0
Lead	0	1038	-50	974.1	93.8	-60	954.2	91.9
Magnesium	253000	279900	270600	268800.0	96.0	266200	260100.0	92.9
Manganese	0	509	-5	477.5	93.8	-4	422.6	83.0
Mercury								
Nickel	0	1019	-1	946.9	92.9	-4	907.3	89.0
Potassium								
Selenium	0	986	-33	947.1	96.1	-10	912.8	92.6
Silver	0	1100	-3	992.6	90.2	-4	952.0	86.5
Sodium								
Thallium	0	927	42	999.3	107.8	53	982.9	106.0
Vanadium	0	492	0	488.6	99.3	1	476.3	96.8
Zinc	0	1052	26	1094.0	104.0	23	1064.0	101.1

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	173.0000		7.6100		242.00	68.3	N	P
Antimony	75-125	7.3900		0.0963		11.40	64.0	N	P
Arsenic	75-125	36.4000		0.3710		48.40	74.4	N	F
Barium	75-125	35.4000		0.3130		46.90	74.8	N	P
Beryllium	75-125	0.9020		0.0002		1.19	75.8		P
Cadmium	75-125	1.2500		0.4600		1.17	67.5	N	P
Calcium	75-125	212.0000		48.3000		239.00	68.5	N	P
Chromium	75-125	4.7600		1.4500		4.85	68.2	N	P
Cobalt	75-125	8.8800		0.4530		11.90	70.8	N	P
Copper	75-125	5.4100		1.1300		5.91	72.4	N	P
Iron		12100.0000		13300.0000		239.00	-502.1		P
Lead	75-125	20.7000		14.0000		11.80	56.8	N	F
Magnesium	75-125	164.0000		6.2200		241.00	65.5	N	P
Manganese	75-125	45.0000		39.6000		11.90	45.4	N	P
Mercury	75-125	1.0800		0.0000		1.25	86.4		CV
Nickel	75-125	11.3000		3.3600		11.70	67.9	N	P
Potassium	75-125	154.0000		0.0000		248.00	62.1	N	P
Selenium	75-125	38.5000		0.5070		45.70	83.1		F
Silver	75-125	0.7110		0.0000		1.25	56.9	N	P
Sodium	75-125	328.0000		135.0000		287.00	67.2	N	P
Thallium	75-125	32.5000		1.2500		47.50	65.8	N	F
Vanadium	75-125	8.7800		0.0000		12.00	73.2	N	P
Zinc		185.0000		196.0000		11.90	-92.4		P
Cyanide									

Comments:

00640

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	433.0000		241.0000		253.00	75.9		P
Antimony	75-125	9.0000		0.0000		11.90	75.6		P
Arsenic	75-125	2.1200		0.0000		2.00	106.0		F
Barium	75-125	67.3000		28.3000		49.00	79.6		P
Beryllium	75-125	1.0200		0.0068		1.24	81.7		P
Cadmium	75-125	1.2300		0.2980		1.23	75.8		P
Calcium	75-125	242.0000		53.0000		250.00	75.6		P
Chromium	75-125	9.7000		6.9000		5.07	55.2	N	P
Cobalt	75-125	10.2000		0.1810		12.40	80.8		P
Copper	75-125	18.7000		16.3000		6.18	38.8	N	P
Iron		3100.0000		3750.0000		249.00	-261.0		P
Lead	75-125	25.5000		20.8000		12.40	37.9	N	P
Magnesium	75-125	210.0000		15.1000		252.00	77.3		P
Manganese	75-125	36.3000		25.8000		12.50	84.0		P
Mercury	75-125	0.7800		0.1000		0.25	272.0	N	CV
Nickel	75-125	10.5000		0.8930		12.30	78.1		P
Potassium	75-125	234.0000		26.8000		259.00	80.0		P
Selenium	75-125	2.2700		0.0000		2.00	113.5		F
Silver	75-125	1.5700		0.8680		1.30	54.0	N	P
Sodium	75-125	255.0000		10.8000		300.00	81.4		P
Thallium	75-125	2.0500		0.0000		2.00	102.5		F
Vanadium	75-125	10.7000		0.3650		12.60	82.0		P
Zinc		558.0000		633.0000		12.50	-600.0		P
Cyanide									

Comments:

00641

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

~~JN4820~~ RB0682L/D

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample:

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	7850.0000		42.3000		10100.00	77.3		P
Antimony	75-125	394.0000		12.2000		476.00	80.2		P
Arsenic	75-125	19.0000		0.0000		20.00	95.0		F
Barium	75-125	1500.0000		202.0000		1960.00	66.2	N	P
Beryllium	75-125	39.6000		0.0400		49.70	79.6		P
Cadmium	75-125	41.0000		0.7600		49.00	82.1		P
Calcium	75-125	8110.0000		537.0000		9990.00	75.8		P
Chromium	75-125	157.0000		2.5700		203.00	76.1		P
Cobalt	75-125	397.0000		1.3100		496.00	79.8		P
Copper	75-125	200.0000		8.2800		247.00	77.6		P
Iron	75-125	7620.0000		105.0000		9980.00	75.3		P
Lead	75-125	22.2000		0.0000		20.00	111.0		F
Magnesium	75-125	7960.0000		78.3000		10100.00	78.0		P
Manganese	75-125	378.0000		4.3700		499.00	74.9	N	P
Mercury	75-125	2.1100		0.0000		2.00	105.5		CV
Nickel	75-125	391.0000		2.4800		490.00	79.3		P
Potassium	75-125	7900.0000		0.0000		10400.00	76.0		P
Selenium	75-125	19.1000		0.0000		20.00	95.5		F
Silver	75-125	40.4000		0.6600		52.20	76.1		P
Sodium	75-125	9230.0000		148.0000		12000.00	75.7		P
Thallium	75-125	22.3000		0.0000		20.00	111.5		F
Vanadium	75-125	401.0000		0.1100		504.00	79.5		P
Zinc	75-125	420.0000		20.1000		499.00	80.1		P
Cyanide									

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

CLJDWS075

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: % Solids for Duplicate:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		173.0000		169.0000		2.3		P
Antimony		7.3900		7.4600		0.9		P
Arsenic		36.4000		36.1000		0.8		F
Barium		35.4000		35.2000		0.6		P
Beryllium		0.9020		0.9000		0.2		P
Cadmium		1.2500		1.2400		0.8		P
Calcium		212.0000		212.0000		0.0		P
Chromium		4.7600		4.5900		3.6		P
Cobalt		8.8800		8.7100		1.9		P
Copper		5.4100		5.4800		1.3		P
Iron		12100.0000		12200.0000		0.8		P
Lead		20.7000		20.3000		2.0		F
Magnesium		164.0000		162.0000		1.2		P
Manganese		45.0000		43.5000		3.4		P
Mercury		1.0800		1.0100		6.7		CV
Nickel		11.3000		11.2000		0.9		P
Potassium		154.0000		161.0000		4.4		P
Selenium		38.5000		38.5000		0.0		F
Silver		0.7110		0.7320		2.9		P
Sodium		328.0000		297.0000		9.9		P
Thallium		32.5000		32.1000		1.2		F
Vanadium		8.7800		8.7100		0.8		P
Zinc		185.0000		184.0000		0.5		P
Cyanide								

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

CLJDWS151

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJDWS075

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: % Solids for Duplicate:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		433.0000		495.0000		13.4		P
Antimony		9.0000		9.7800		8.3		P
Arsenic		2.1200		2.0700		2.4		F
Barium		67.3000		96.5000		35.7		P
Beryllium		1.0200		1.0500		2.9		P
Cadmium		1.2300		1.3400		8.6		P
Calcium		242.0000		243.0000		0.4		P
Chromium		9.7000		12.9000		28.3		P
Cobalt		10.2000		10.3000		1.0		P
Copper		18.7000		17.7000		5.5		P
Iron		3100.0000		6400.0000		69.5		P
Lead		25.5000		36.8000		36.3		P
Magnesium		210.0000		221.0000		5.1		P
Manganese		36.3000		35.0000		3.6		P
Mercury		0.7800		0.3530		75.4		CV
Nickel		10.5000		11.1000		5.6		P
Potassium		234.0000		227.0000		3.0		P
Selenium		2.2700		2.2200		2.2		F
Silver		1.5700		1.9600		22.1		P
Sodium		255.0000		258.0000		1.2		P
Thallium		2.0500		2.0600		0.5		F
Vanadium		10.7000		11.3000		5.5		P
Zinc		558.0000		518.0000		7.4		P
Cyanide								

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

~~JN4820~~ RB06B2/C/D

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJWS075

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: % Solids for Duplicate:

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7850.0000		9420.0000		18.2		P
Antimony		394.0000		472.0000		18.0		P
Arsenic		19.0000		18.2000		4.3		F
Barium		1500.0000		1830.0000		19.8		P
Beryllium		39.6000		47.5000		18.1		P
Cadmium		41.0000		47.9000		15.5		P
Calcium		8110.0000		9430.0000		15.1		P
Chromium		157.0000		187.0000		17.4		P
Cobalt		397.0000		469.0000		16.6		P
Copper		200.0000		236.0000		16.5		P
Iron		7620.0000		9160.0000		18.4		P
Lead		22.2000		21.6000		2.7		F
Magnesium		7960.0000		9330.0000		15.8		P
Manganese		378.0000		452.0000		17.8		P
Mercury		2.1100		1.9500		7.9		CV
Nickel		391.0000		461.0000		16.4		P
Potassium		7900.0000		9130.0000		14.4		P
Selenium		19.1000		19.7000		3.1		F
Silver		40.4000		47.1000		15.3		P
Sodium		9230.0000		11000.0000		17.5		P
Thallium		22.3000		22.0000		1.4		F
Vanadium		401.0000		477.0000		17.3		P
Zinc		420.0000		475.0000		12.3		P
Cyanide								

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** NEESH

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** CLJDWS075

DW No.: NA

EPA Sample No.	Lab Sample ID.
CLJDWS102	JN4721
CLJDWS151	JN4742
CLJDWS075	JN4743

Were ICP interelement corrections applied? Yes/NO ___

Were ICP background corrections applied? Yes/NO ___
If YES - were raw data generated before application of background corrections? Yes/NO ___

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: [signature] **Name:** William A. Fathian

Date: 5/2/95 **Title:** Technical Project Manager

Narrative for SDG # CLJDWS075

Conventionals

CLP Forms and/or analytical requirements do not apply to all Conventional Level C deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

The pH results are reported in standard units and not mg/kg.

The Flashpoint results are reported in °C not mg/kg.

The BTU results are reported in BTU/lb. not mg/kg.

The Moisture results are reported in % not mg/kg.

The method qualifier for pH (Electrode) is "PH", for Flashpoint it is "FP", for BTU it is "BT", for the IC Acids it is "IC", for Nitrate it is "IC", for Moisture it is "MO", and for Total Sulfide it is "ST". The CLP manual does not address these results or this method for reporting.

The method blank for the water matrix was within QC limits for this SDG.

The method blank for the oil and soil matrices contained low levels of target constituents. This anomaly should not affect the validity of the data as reported.

The spiked sample result for Phosphate was outside QC limits.

A sample duplicate was not performed for this SDG.

All initial and continuing calibration criteria were met for this SDG.

The LCS was within acceptable QC limits.

All sample holding times were met for this SDG.

BLANKS (3)

00647

Lab Name: *Analytical Services Corp* **Contract:** NEESA **Lab Code:** NA

Case #: 015226N **SAS #:** NA **SDG #:** CLJDW1507

Prep Blank Matrix: (soil/water) OIL

Prep Blank Concentration Units: (ug/L or mg/kg) MG/KG

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Chloride									5.00	U	IC
Nitrate as N									2.50	B	IC
Phosphate as P									3.26	U	IC
Sulfate									10.00	U	IC
Cyanide									.500	U	CA
Sulfide									10.0	U	ST

BLANKS (3)

00648

Lab Name: *Analytical Services Corp* **Contract:** NEESA **Lab Code:** NA

Case #: 015226N **SAS #:** NA **SDG #:** CLJDW5D

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) UG/L

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Chloride									500	U	IC
Nitrate as N									~~225~~ 250 ug/L	U	IC
Phosphate as P									326	U	IC
Sulfate									1000	U	IC
Cyanide									10.0	U	CA
Sulfide									10000	U	ST

BLANKS (3)

00649

Lab Name: *Analytical Services Corp* **Contract:** NEESA **Lab Code:** NA

Case #: D15226N **SAS #:** NA **SDG #:** CLJD050

Prep Blank Matrix: (soil/water) SOIL

Prep Blank Concentration Units: (ug/L or mg/kg) MG/KG

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Chloride									5.00	U	IC
Nitrate as N									2.50	B	IC
Phosphate as P									3.26	U	IC
Sulfate									10.00	U	IC
Cyanide									.500	U	CA
Sulfide									10.0	U	ST

CONVENTIONAL ANALYSIS DATA SHEET (1) 00650

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJDW5075

Lab Code: NA **Case #:** 015226N **SAS #:** NA **SDG #:** CLJDW5075

Matrix: (soil/water) O2L **Level:** (low/med) LOW **Lab Sample ID:** IN4743

% Solids: NA **Date Received:** 11/10/94

Concentration Units (ug/L or mg/kg dry weight): _____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Chloride	4.89			IC
	Nitrate as N	2.78			IC
	Phosphate as P	2.92	U		IC
	Sulfate	8.96	U		IC
	BTU/lb	16100		BTU/lb	BT
	Cyanide	.526	U		CA
	% Moisture	4.18		%	MO
	pH (Electrode)	5.20		pH	PH
	Flashpoint, 60°C	60		°C	FP
	Sulfide	10.0	U		ST

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: Units other than MG/KG are displayed under "Q".

CONVENTIONAL ANALYSIS DATA SHEET (1) 00651

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJDWS102

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** CLJDWS07

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JN4741

% Solids: NA **Date Received:** 11 / 10 / 94

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Chloride	3370			IC
	Nitrate as N	250	B		IC
	Phosphate as P	326	U		IC
	Sulfate	4700			IC
	BTU/lb	435		BTU/lb	BT
	Cyanide	50	U		CA
	Solids, Total Suspended	9910000			TS
	Solids, Total Dissolved	10000	U		TD
	% Moisture	80.0		%	MO
	pH (by Electrode)	7.58		pH	PH
	Flashpoint, 60°C	>60		°C	FP
	Sulfide, as S	10.0	U		ST

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: Units other than UG/L are displayed under "Q".

CONVENTIONAL ANALYSIS DATA SHEET (1) 00652

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJDWS151

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** CLJDWS075

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JN494Z

% Solids: 93.1 **Date Received:** 11/10/94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Chloride	701			IC
	Nitrate as N	4.28			IC
	Phosphate as P	3.43	U		IC
	Sulfate	10.5	B		IC
	BTU/lb	5250		BTU/lb	BT
	Cyanide	.391	U		CA
	% Moisture	.100	U	%	MO
	pH (Electrode)	4.19		pH	PH
	Flashpoint, 60°C	760		°C	FP
	Sulfide, as S	10.0	U		ST

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: Units other than MG/KG are displayed under "Q"

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

00653

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** D15226N **SAS #:** NA **SDG #:** CLJDW50

Initial Calibration Source: AIC-697 **Continuing Calibration Source:** AIC-697

Concentration Units: ug/L

Analyte	INITAL CALIBRATION			CONTINUING CALIBRATION					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chloride	1500	1540	103	1500	1520	101	1480	98.7	IC
Nitrate as N	1130	1170	103	1130	1170	103	1160	103	IC
Phosphate as P	2440	2380	97.5	2440	2400	98.4	2400	98.4	IC
Sulfate	7500	7290	97.2	7500	7290	97.2	7290	97.2	IC

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

00654

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** 015226N **SAS #:** NA **SDG #:** CLJDW507

Initial Calibration Source: AIC-697 **Continuing Calibration Source:** AIC-697

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	INITAL CALIBRATION			CONTINUING CALIBRATION					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chloride	1.50	1.54	103	1.50	1.52	101	1.48	98.7	IC
Nitrate as N	1.13	1.17	103	1.13	1.17	103	1.17	103	IC
Phosphate as P	2.44	2.38	97.5	2.44	2.40	98.4	2.31	94.6	IC
Sulfate	7.50	7.29	97.2	7.50	7.29	97.2	7.38	98.4	IC

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION
(2A)

00655

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** 015226N **SAS #:** NA **SDG #:** CLJD105075

Initial Calibration Source: AIC-697 **Continuing Calibration Source:** AIC-697

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	INITAL CALIBRATION			CONTINUING CALIBRATION					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chloride	1.50	1.54	103	1.50	1.52	101	1.48	98.7	IC
Nitrate as N	1.13	1.17	103	1.13	1.17	103	1.16	103	IC
Phosphate as P	2.44	2.38	97.5	2.44	2.40	98.4	2.40	98.4	IC
Sulfate	7.50	7.29	~~100~~ 97.2	~~7.50~~ ~~7.29~~	7.29	97.2	7.29	97.2	IC

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SPIKE SAMPLE RECOVERY (5A)

00656

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA Sample #:** CLJDW5025

Lab Code: NA **Case #:** 01522GN **SAS #:** NA **SDG #:** CLJDW501

Matrix: (soil/water) OIL **Level** (low/med): LOW **% Solids for Sample:** NA

Concentration Units (ug/L or mg/kg dry weight): MG/KG

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Chloride	75-125	46.2		4.89		44.8	92.3		IC
Nitrate as N	75-125	14.6		4.78		10.1	97.0		IC
Phosphate as P	75-125	13.5		2.92	U	14.6	89.5		IC
Sulfate	75-125	44.2		8.96	U	44.8	96.4		IC
Cyanide	75-125	11.9		.526	U	11.7	102		CA

COMMENTS:

SPIKE SAMPLE RECOVERY (5A)

00657

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA Sample #:** CLJDW5I

Lab Code: NA **Case #:** 015226N **SAS #:** NA **SDG #:** CLJDW5

Matrix: (soil/water) WATER **Level** (low/med): LOW **% Solids for Sample:** NA

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Chloride	75-125	8.09		3.37		5000	94.4		IC
Nitrate as N	75-125	1.21		250	U	1130	96.5		IC
Phosphate as P	75-125	1.43		326	U	1630	84.0		IC
Sulfate	75-125	9.37		4700		5000	93.4		IC
Cyanide	75-125	990		50.0	U	975	102		CA

COMMENTS:

SPIKE SAMPLE RECOVERY (5A) 00658

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA Sample #:** CLJDW5I5

Lab Code: NA **Case #:** 015226N **SAS #:** NA **SDG #:** CLJDW60

Matrix: (soil/water) SOIL **Level** (low/med): LOW **% Solids for Sample:** 93.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Chloride	75-125	1710		701		1050	954		IC
Nitrate as N	75-125	17.6		4.28		11.9	112		IC
Phosphate as P	75-125	10.2		~~3.26~~ 3.43	U	7.1	58	N	IC
Sulfate	75-125	58.3		10.5	B	52.6	95.2		IC
Cyanide	75-125	10.3		~~.50~~ .391	U	9.75	106		CA

COMMENTS:

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Southern Region (Morrisville, NC)

VOLUME I OF II

Attn: Kent Geis

Project: 15226N - NEESA; Camp LeJeune, Jacksonville, NC

Sample(s): CLJ-DD-01

Sample Type(s): Solid

Analysis Performed: Tier II - Conventionals, Metals, Organics and RCRA TCLP Leachate Parameters

Date Sample Received: December 9, 1994

Date Order Received: December 9, 1994

Joblink(s): 617246

Reviewed and Approved by: *Thomas E. Gran, Ph.D., Vice President*

Date: May 15, 1995

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
Solids, Total	MCAWW	160.3
BTU/lb	ASTM	D240-76
Bulk Density	ASTM	D5057
Acids by IC (Cl, NO_3, PO_4 and SO_4)	MCAWW	300.0
RCRA Characteristics		
Reactive Sulfide	SW-846	7.3.4.2
Flash Point, Seta Flash	SW-846	1020
Reactive Cyanide	SW-846	7.3.3.2
pH, Electrode (soil)	CLP	1.7.1.1
Metals		
Total Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7471
Organics		
Volatile Compounds by GC/MS	CLP	SOW
Semi-volatile Compounds by GC/MS	CLP	SOW
Pesticides by GC	SW-846	8080
Total Petroleum Hydrocarbons (TPHC) by GC		
Total Volatile Hydrocarbons (TVH) by GC	SW-846	8015
Total Extractable Hydrocarbons (TEH) by GC	SW-846	8100
RCRA TCLP		
Leachate Preparation	SW-846	1311
Herbicides by GC	SW-846	8150 (1)
Pesticides by GC	SW-846	8080
Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Semi-volatile Compounds by GC/MS	CLP	SOW
Volatile Compounds by GC/MS	CLP	SOW

Narrative for SDG # CLJ-DD-01

Laboratory: OHM Remediation Services Corp.
Analytical Division

Project #: 15226N

Project Location: Camp LeJeune, Jacksonville, NC

Samples in this Sample Delivery Group (SDG):

CLJ-DD-01

Volatile Organics by GC/MS

The information listed on the "SDG No." line for N2V4099 FORM's I, II, III and IV represents the lab analytical batch number in place of CLJ-DD-01.

Zero of 18 surrogate recoveries were outside QC limits.

Zero of 10 matrix spike recoveries and zero of 5 matrix RPD's were outside QC limits.

A sample from another SDG# was utilized for the matrix spike/matrix spike duplicate for this SDG. Data for this sample has been included in the report.

All target compounds were inadvertently spiked for this analytical batch. Only the required CLP spiking compounds were reported on Form III.

Low levels of Methylene Chloride were detected in the method blank.

Initial and continuing calibration criteria were met.

All internal standard criteria were not met for sample CLJ-DD-01. Sample was re-analyzed for matrix interference verification. Results were reported from initial run and both analyses are presented in the report.

All holding times were met for this SDG.

TCLP Volatiles by GC/MS

The information listed on the "SDG No." line for N7V4112 FORM's I, II, III and IV represents the lab analytical batch number in place of CLJ-DD-01.

CLP Forms and/or analytical requirements do not apply to all TCLP Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Zero of 18 surrogate recoveries were outside QC limits.

Zero of 22 matrix spike recoveries and zero of 11 matrix RPD's were outside QC limits.

A sample from another SDG# was utilized for the matrix spike/matrix spike duplicate for this SDG. Data for this sample has been included in the report.

All target compounds were inadvertently spiked for this analytical batch. Only the required CLP spiking compounds were reported on Form III.

All method blank criteria were met for this SDG.

Initial and continuing calibration criteria were met.

All internal standard criteria were met.

All holding times were met for this SDG.

Total Volatile Hydrocarbons (TVH) by GC

CLP Forms and/or analytical requirements do not apply to all TVH Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Two of 2 matrix spike recoveries and zero of 1 matrix RPD's were outside QC limits. Method spike recoveries were within QC limits, indicating sample matrix effects for this parameter.

All method blank criteria were met for this SDG.

Initial and continuing calibration criteria were met.

All sample holding time were met for this SDG.

Semivolatile Organics by GC/MS

The information listed on the "SDG No." line for N2C41844 FORM's I, II, III and IV represents the lab analytical batch number in place of CLJ-DD-01.

Elevated Practical Quantitation Limits (PQL) were reported due to high levels of target and/or nontarget compounds present in the samples. The sample appeared to contain a high amount of unresolved hydrocarbon.

Zero of 36 surrogates were outside QC limits.

A sample from another SDG was utilized for the matrix spike and matrix spike duplicate. Data from this sample has been included in the report.

Three of 22 matrix spike recoveries and two of 22 matrix RPD's were outside QC limits.

Matrix spike recoveries and matrix RPD's were outside QC limits due to sample dilutions caused by high levels of target compounds present. QA/QC acceptance was based on blank (method) spike recoveries which were all within QC limits.

A low level of bis-(2-Ethylhexyl)phthalate was detected in the method blank and should therefore, be taken into consideration when assessing the data.

All compounds met initial and continuing calibration criteria for this SDG.

Perylene-d_{12} internal standard area count was outside QC limits for samples CLJ-DD-01 and A01SS-104 due to matrix interferences. All retention times were within QC limits.

No GPC cleanup was performed on the solid samples submitted in this SDG.

All holding times were met for this SDG.

TCLP Semivolatile Organics by GC/MS

CLP Forms and/or analytical requirements do not apply to all TCLP Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Zero of 36 surrogates were outside QC limits.

A sample from another SDG was utilized for the matrix spike and matrix spike duplicate. Data from this sample has been included in the report.

Three of 22 matrix spike recoveries and nine of 11 matrix RPD's were outside QC limits.

All method blank criteria were met for this SDG.

All compounds met initial and continuing calibration criteria for this SDG.

All internal standard area counts and retention times were within QC limits.

All holding times were met for this SDG.

Pesticides by GC

The Pesticides and PCB's were analyzed from two different extracts and are reported separately in this analytical package.

Zero of 12 surrogates were outside QC limits.

Three of 44 matrix spike recoveries and two of 22 matrix RPD's were outside QC limits.

A sample from another SDG# was utilized for the matrix spike/matrix spike duplicate for this SDG.

All method blank criteria were met for this SDG.

All compounds met %RSD initial calibration criteria for the primary analysis except for the surrogate compound Decachlorobiphenyl (DCB). Two compounds were outside initial calibration criteria for the confirmation analysis, these two compounds were not detected in any of the samples in this SDG. Due to this fact, the initial calibration curve for the confirmation analysis was accepted. All compounds met continuing calibration criteria except for DCB in both the primary and confirmation analyses. Six compounds were outside ending calibration criteria, lab file ID# Y7892. None of these compounds were detected in any samples associated with this standard.

No GPC cleanup was performed on solid samples submitted in this SDG.

All holding times were met for this SDG.

PCB's by GC

Elevated Practical Quantitation Limits (PQL) were reported due to high levels of nontarget compounds present in the samples.

A weathered PCB pattern is present in the sample but does not match a classical PCB pattern.

Zero of 6 surrogates were outside QC limits.

Matrix spike data is not available for the PCB analysis. Spiking for these constituents is not a requirement in the method employed. QA/QC acceptance was based on blank (method) spike recoveries which were within QC limits.

All method blank criteria were met for this SDG.

All initial and continuing calibration criteria were met.

No GPC cleanup was performed on solid samples submitted in this SDG.

All holding times were met for this SDG.

TCLP Pesticides by GC

CLP Forms and/or analytical requirements do not apply to all TCLP Pesticide Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Zero of 6 surrogates were outside QC limits.

Zero of 18 matrix spike recoveries and zero of 9 matrix RPD's were outside QC limits.

A sample from another SDG# was utilized for the matrix spike/matrix spike duplicate for this SDG. Data for this sample has been included in the report.

All method blank criteria were met for this SDG.

All compounds met %RSD initial calibration criteria except for the surrogate compound Decachlorobiphenyl (DCB). All compounds met continuing calibration criteria except for DCB in both the primary and confirmation analyses.

All holding times were met for this SDG.

TCLP Herbicides

CLP Forms and/or analytical requirements do not apply to all TCLP Herbicide Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Zero of 6 surrogates were outside QC limits.

Zero of 4 matrix spike recoveries and zero of 2 matrix RPD's were outside QC limits.

A sample from another SDG# was utilized for the matrix spike/matrix spike duplicate for this SDG. Data for this sample is included in the report.

All method blank criteria were met for this SDG.

All initial and continuing calibration criteria were met for this SDG.

All sample holding times were met for this SDG.

Total Extractable Hydrocarbons (TEH) by GC

CLP Forms and/or analytical requirements do not apply to all TEH Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

Insufficient sample was provided to perform a matrix spike and matrix spike duplicate.

All method blank criteria were met for this SDG.

One of 1 method spike recoveries was outside QC limits.

Insufficient sample remained to re-extract and re-analyze this analytical batch.

Initial and continuing calibration criteria were met.

All sample holding times were met for this SDG.

Signature: _____ Name: William A. Fithian
Date: 5/15/95 Title: Technical Project Manager

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN6023V

Sample wt/vol: 5.01 (g/mL) G Lab File ID: C0616

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. 4 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	26	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	3	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	Methyl-iso-butyl ketone	10	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethylene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	
1330-20-7	Xylene (total)	2	J
156-60-5	1,2-Trans-dichloroethylene	5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN6023V

Sample wt/vol: 5.01 (g/mL) G Lab File ID: C0616

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. 4 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.79	600	JN
2.	110-54-3	Hexane	7.59	18	JN

Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

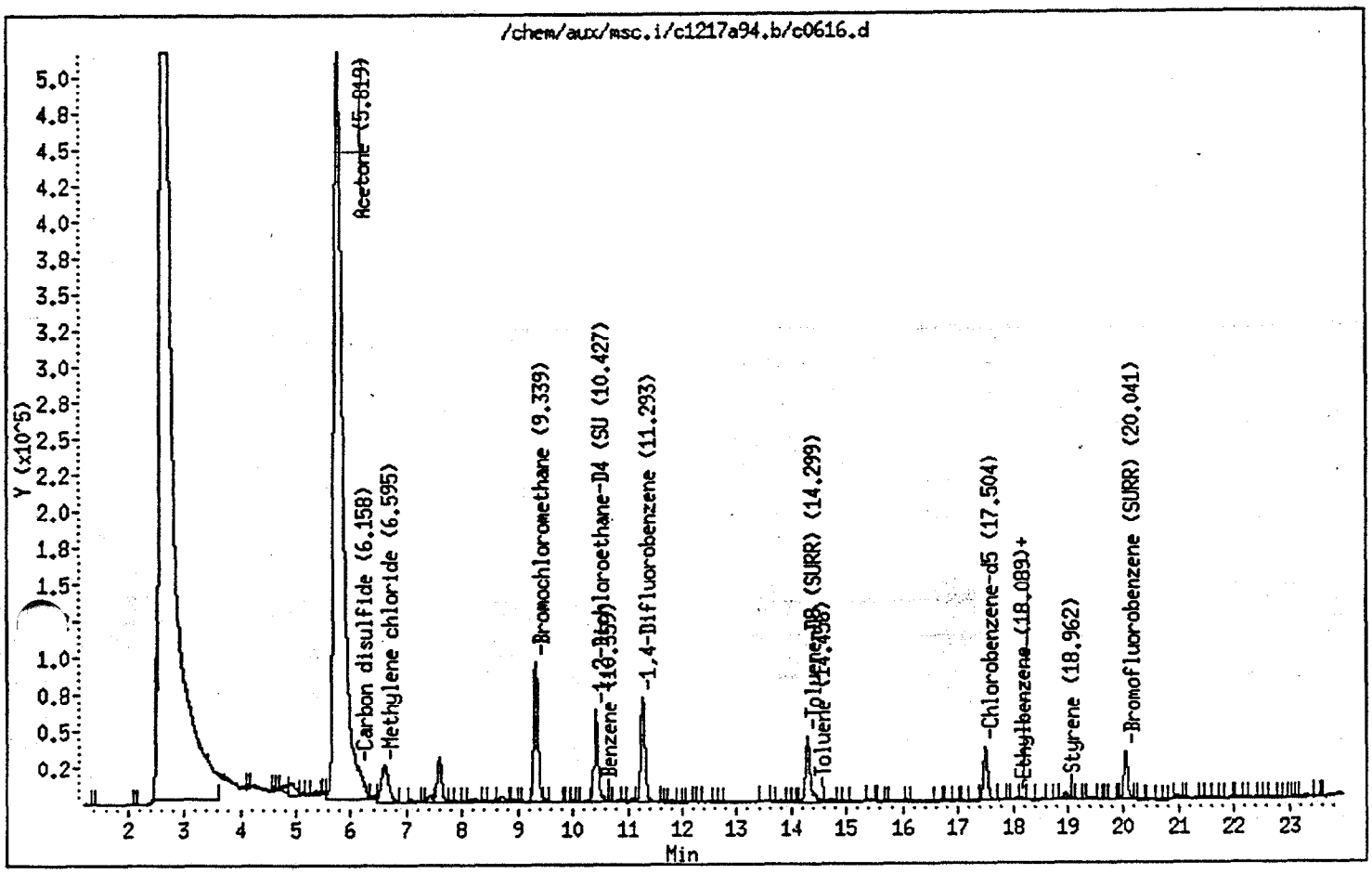
Instrument : msc.i

Sample ID : 15226n clj-dd-01

Column phase : J&W DB_624

Column diameter : 0.53

Volume Injected (uL) : 0.0



Data File: /chem/aux/msc.i/c1217a94.b/c0616.d
Report Date: 18-Dec-1994 12:44

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c1217a94.b/c0616.d
Lab. Id. :
Inj Date : 17-DEC-94 23:37
Operator : jk
Smp Info : 15226n clj-dd-01
Misc Info : jn6023v,n2v4099,s:m2,5.24,5.00:1,
Comment :
Method : /chem/aux/msc.i/c1217a94.b/8240heatc.m
Meth Date : 18-Dec-1994 12:41 jeff
Cal Date : 17-DEC-94 19:37
Als bottle: 9
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: msc.i
Cal File: c0609.d
Target Version: Target 3.00
Compound Sublist: all.sub

3 IS's 2 surr out Reran confirmed QD

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
Acetone	43.00	5.819	(0.623)	36216	38.3	~~38.3(a)~~ MS
Carbon disulfide	76.00	6.158	(0.659)	93316	26.0	26.0
9 Methylene chloride	84.00	6.595	(0.706)	43005	27.2	27.2(Q)
* 15 Bromochloromethane	128.00	9.339	(1.000)	60575	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.427	(1.116)	116183	51.9	51.9
20 Benzene	78.00	10.559	(0.935)	6576	2.55	2.55(a)
* 22 1,4-Difluorobenzene	114.00	11.293	(1.000)	153388	50.0	
$ 29 Toluene-D8 (SURR)	98.00	14.299	(0.817)	83913	63.2	63.2(R)
30 Toluene	92.00	14.456	(0.826)	4266	4.78	4.78(aQ)
* 36 Chlorobenzene-d5	117.00	17.504	(1.000)	57594	50.0	
38 Ethylbenzene	106.00	18.089	(1.033)	1608	3.02	~~3.02(aQ)~~
39 m+p-Xylenes	106.00	18.089	(1.033)	1608	2.44	2.44(aQ)
41 Styrene	104.00	18.962	(1.083)	5714	5.40	5.40
$ 43 Bromofluorobenzene (SURR)	95.00	20.041	(1.145)	35557	32.5	32.5(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

Instrument : msc.i

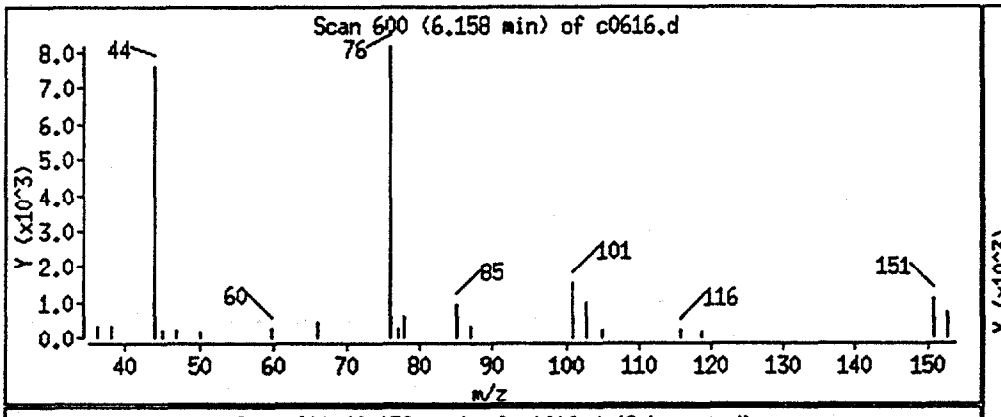
Sample ID : 15226n clj-dd-01

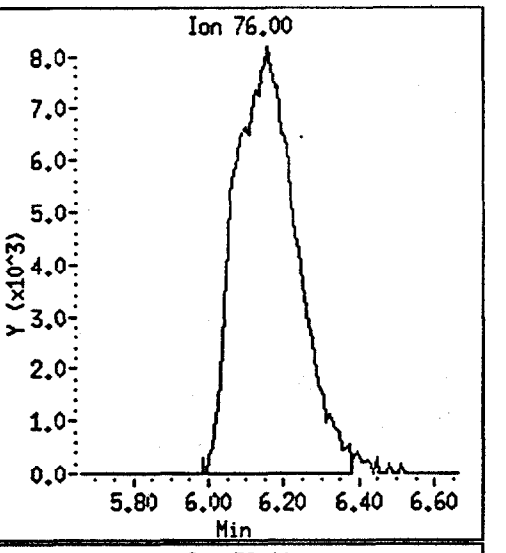
Column phase : J&W DB_624

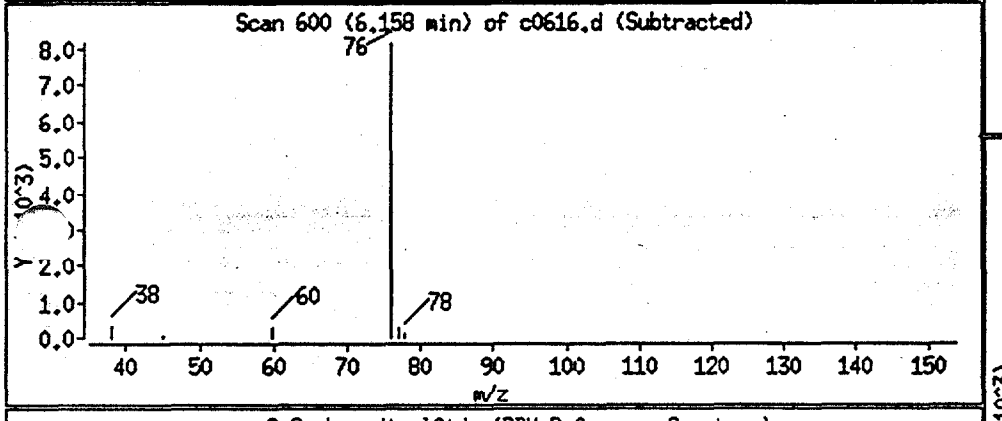
Column diameter : 0.53

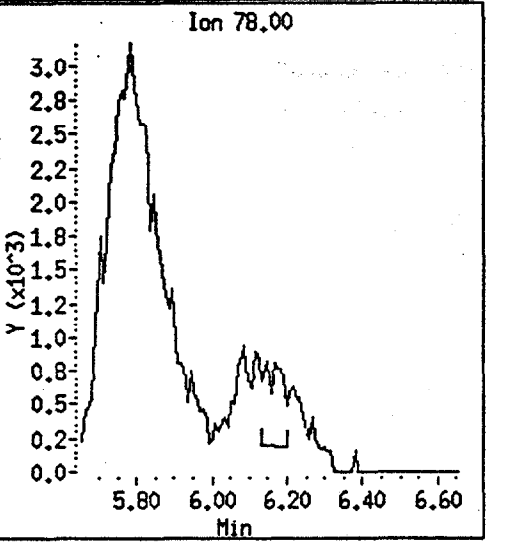
Volume Injected (uL) : 0.0

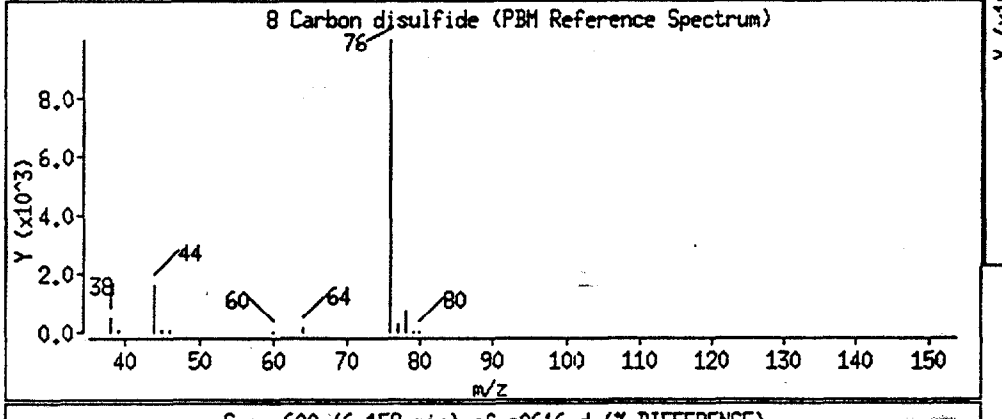
8 Carbon disulfide

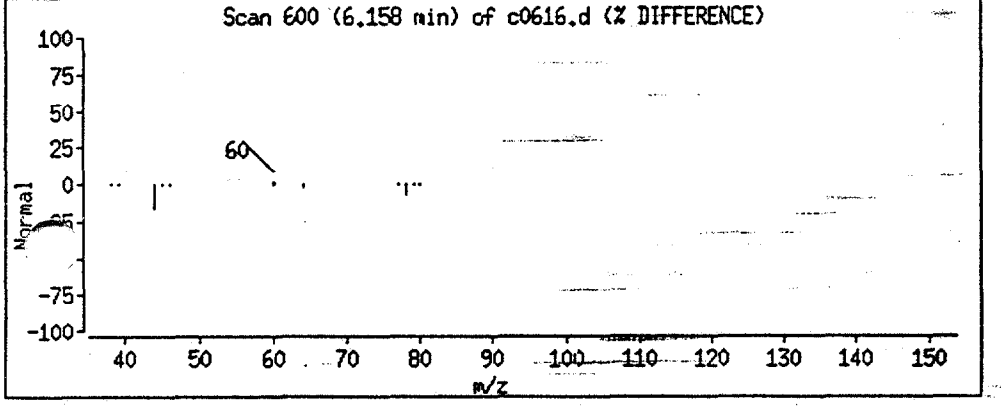












Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

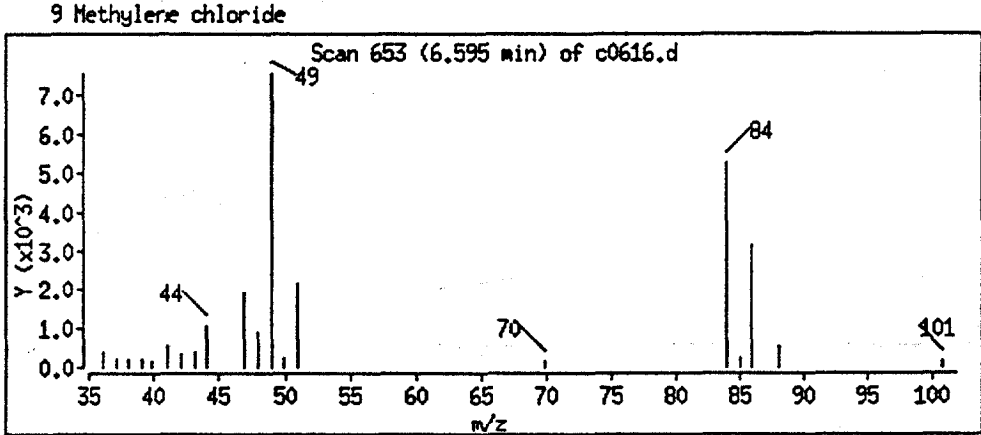
Instrument : msc.i

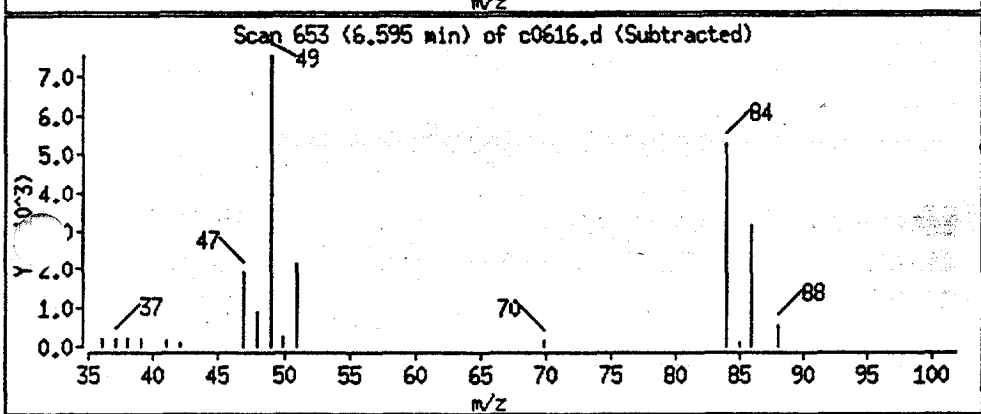
Sample ID : 15226n clj-dd-01

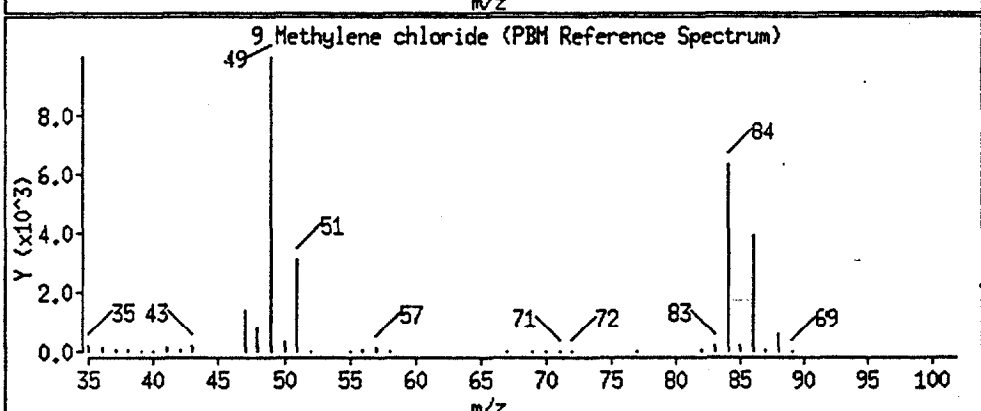
Column phase : J&W DB_624 Column diameter : 0.53

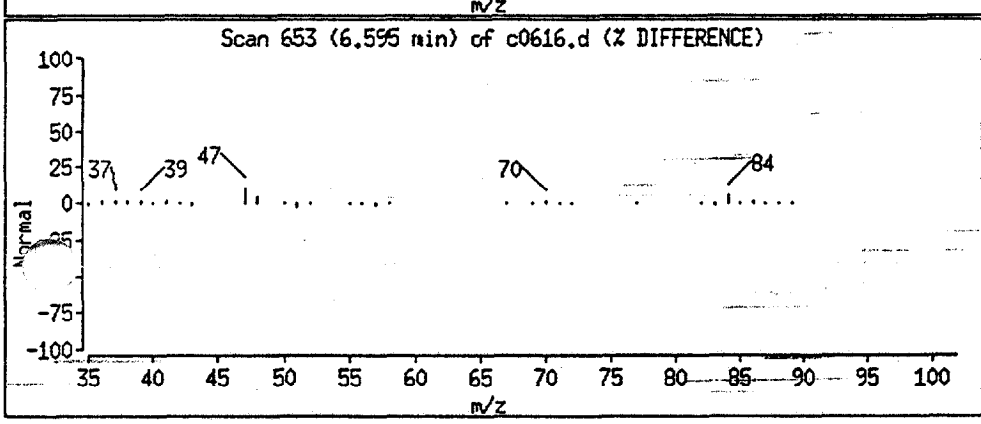
Volume Injected (uL) : 0.0

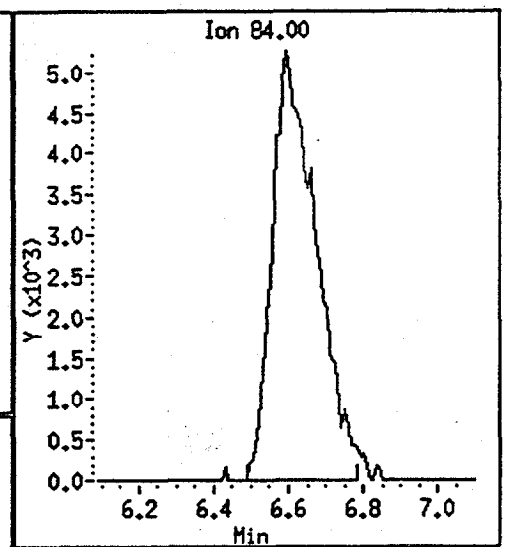
9 Methylene chloride

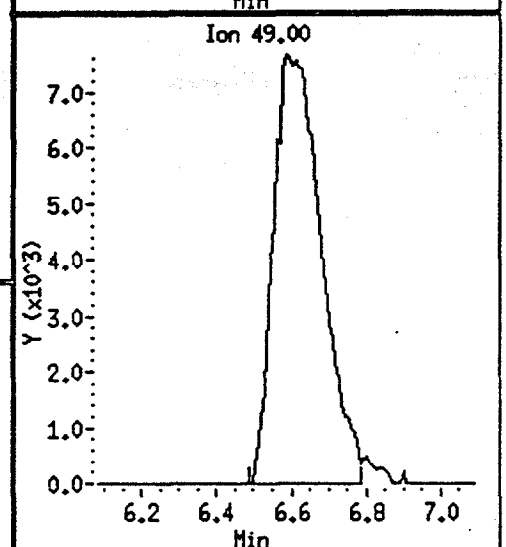


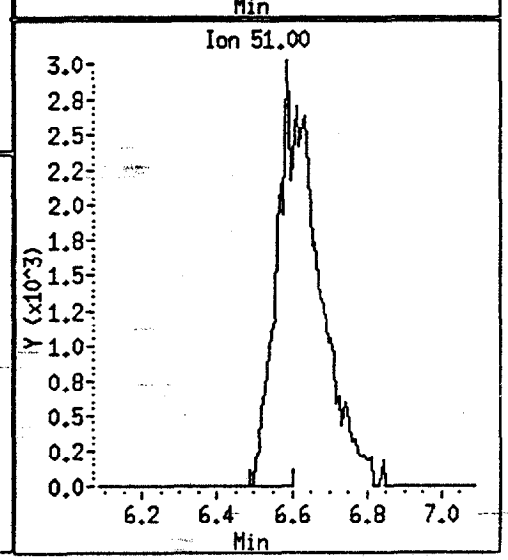












Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

Instrument : msc.i

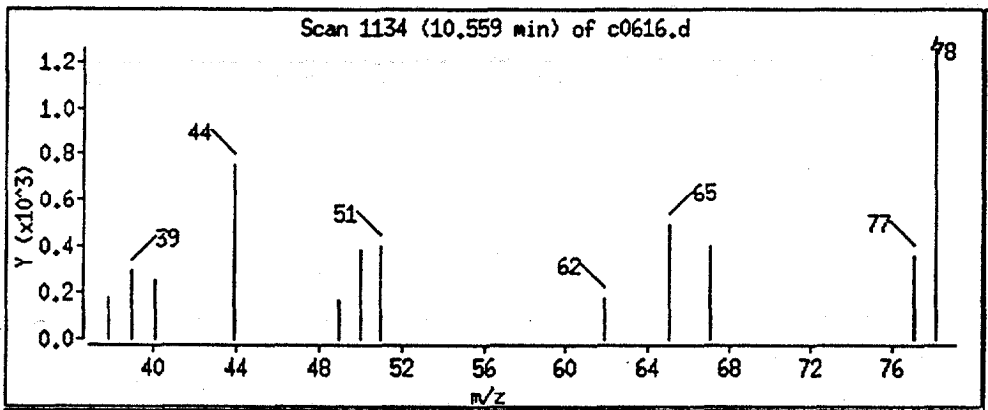
Sample ID : 15226n clj-dd-01

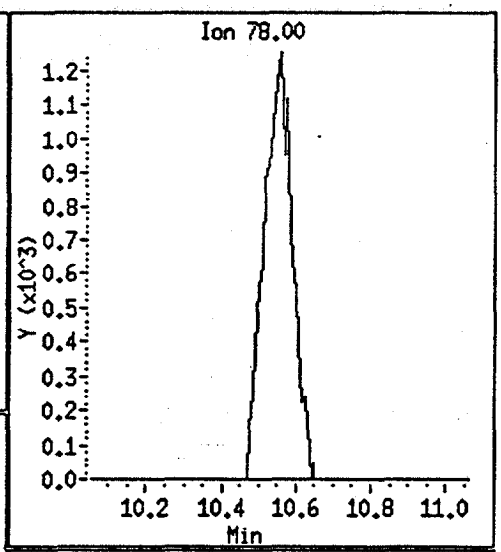
Column phase : J&W DB_624

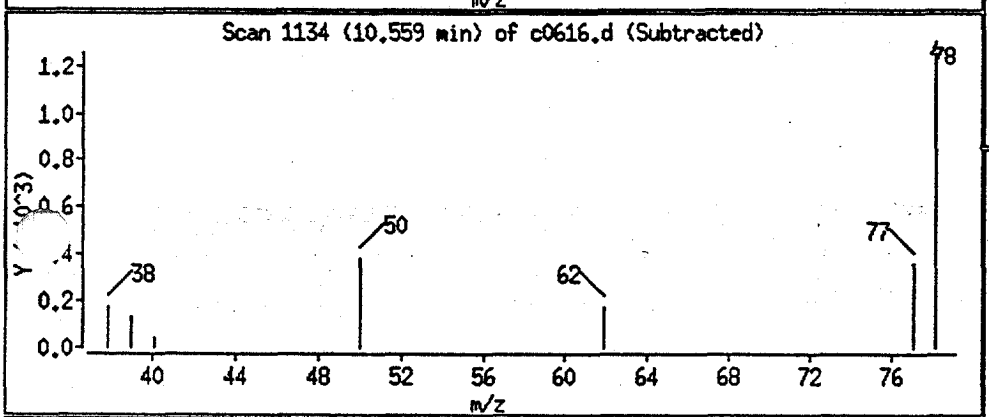
Column diameter : 0.53

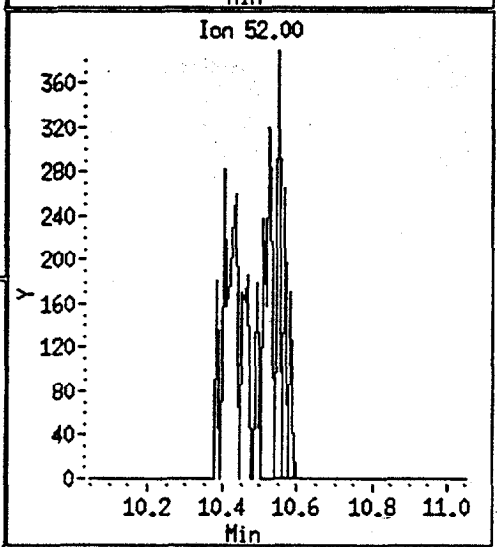
Volume Injected (uL) : 0.0

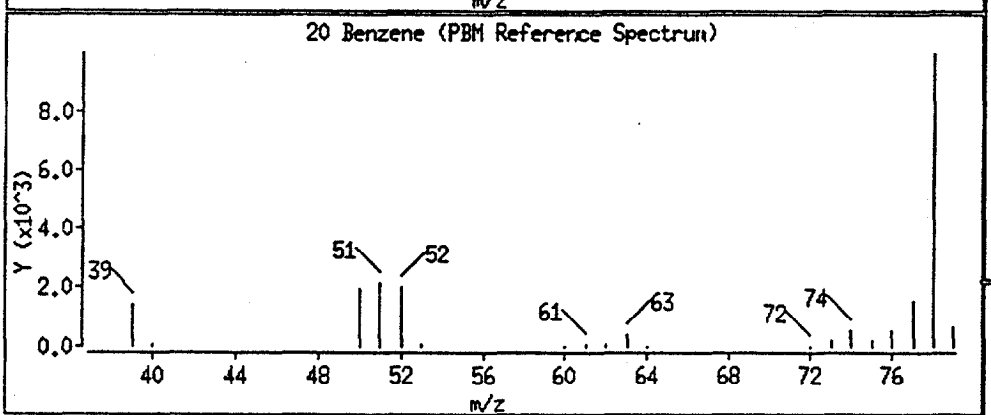
20 Benzene

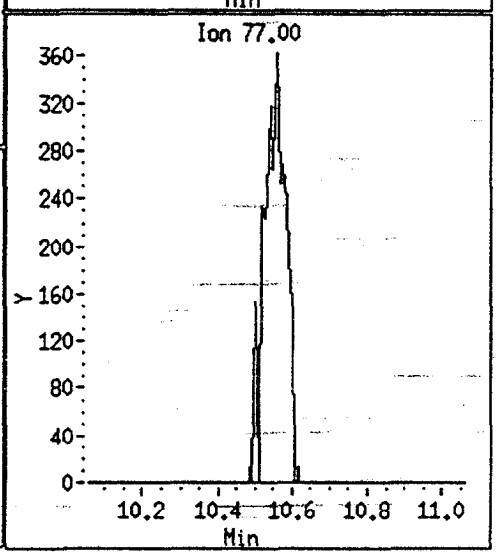


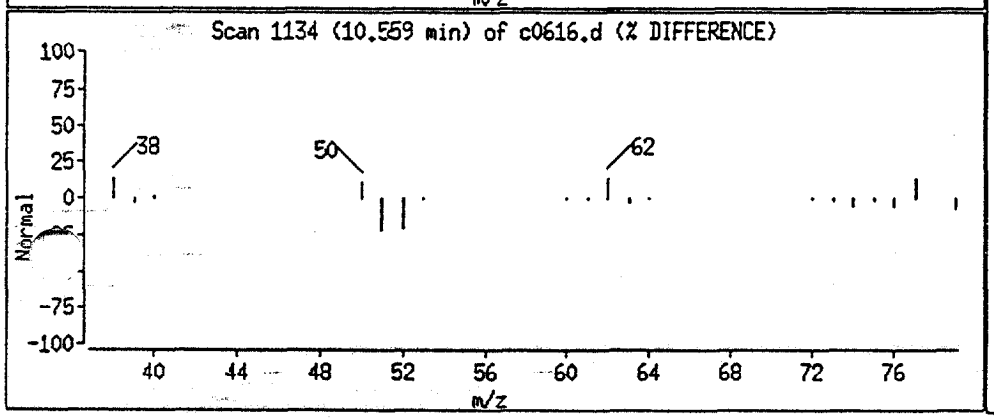












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Date : 17-DEC-94 23:37

Instrument : msc.i

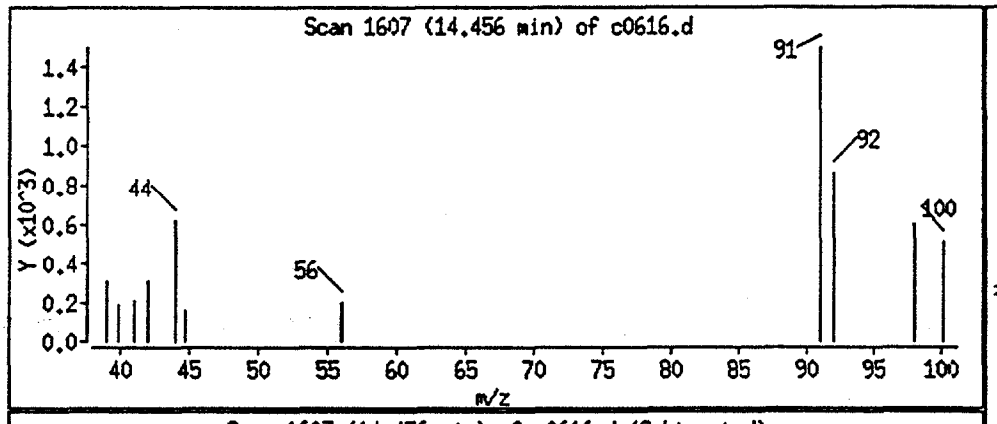
Sample ID : 15226n clj-dd-01

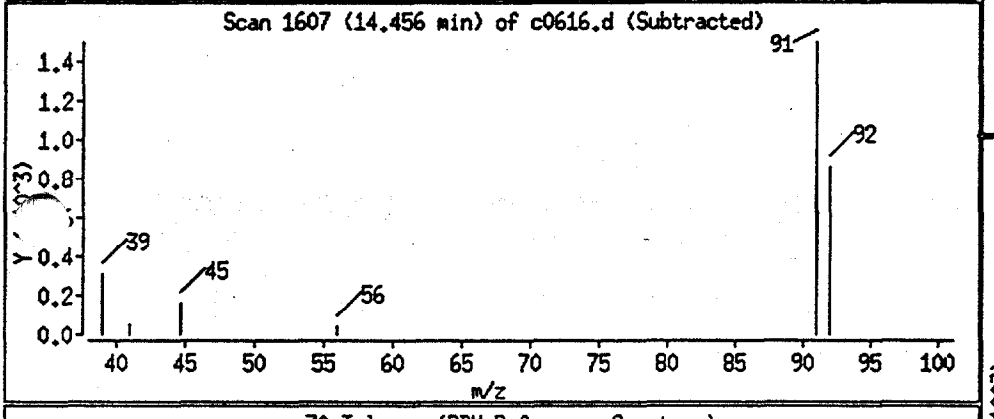
Column phase : J&W DB_624

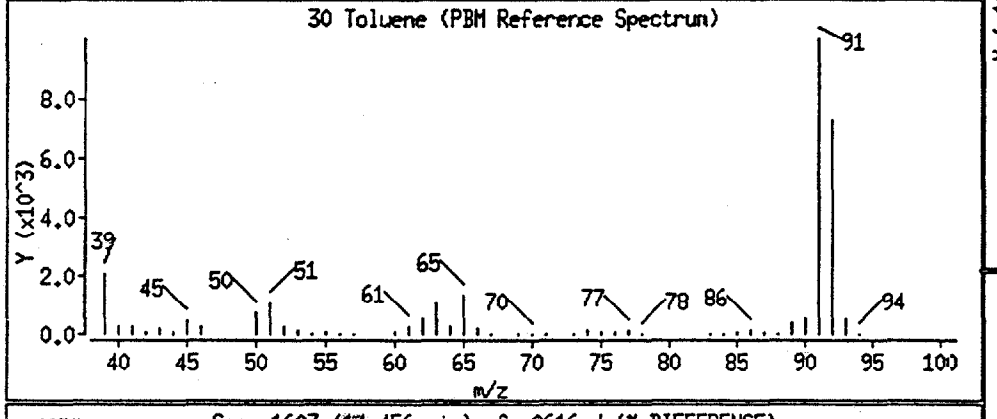
Column diameter : 0.53

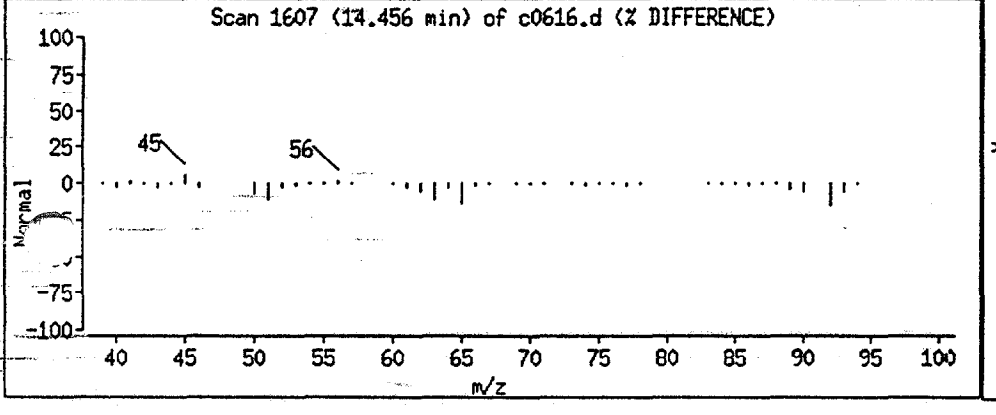
Volume Injected (uL) : 0.0

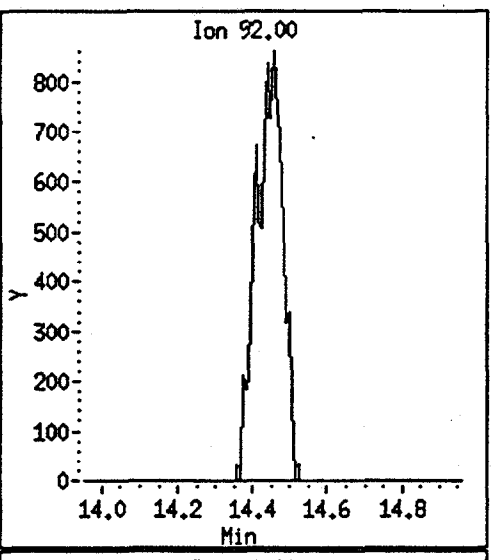
30 Toluene

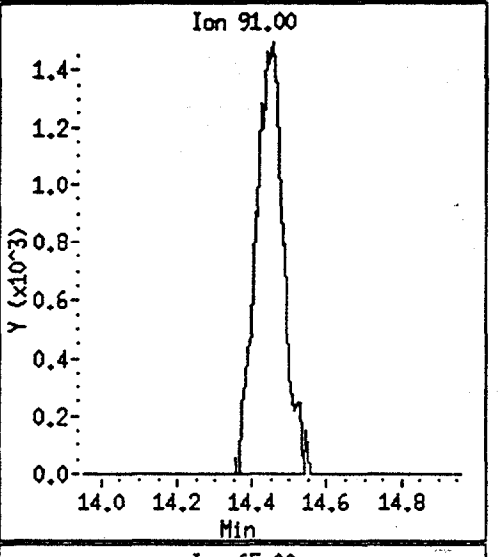


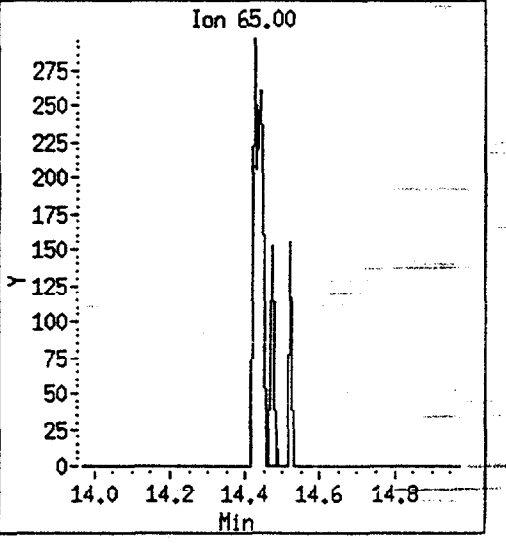












Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

Instrument : msc.i

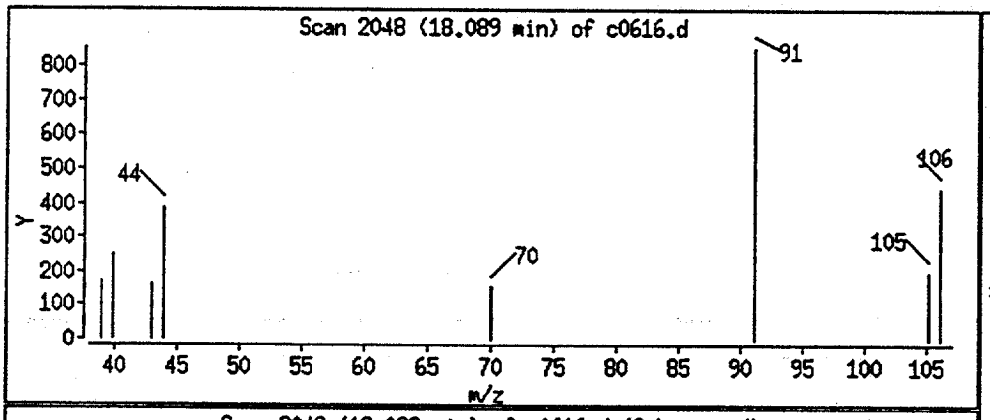
Sample ID : 15226n clj-dd-01

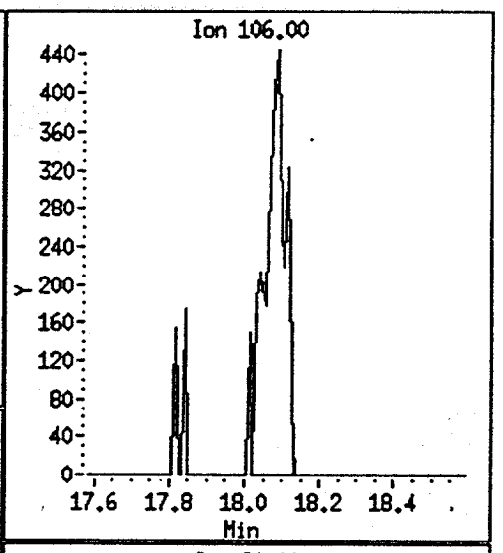
Column phase : J&W DB_624

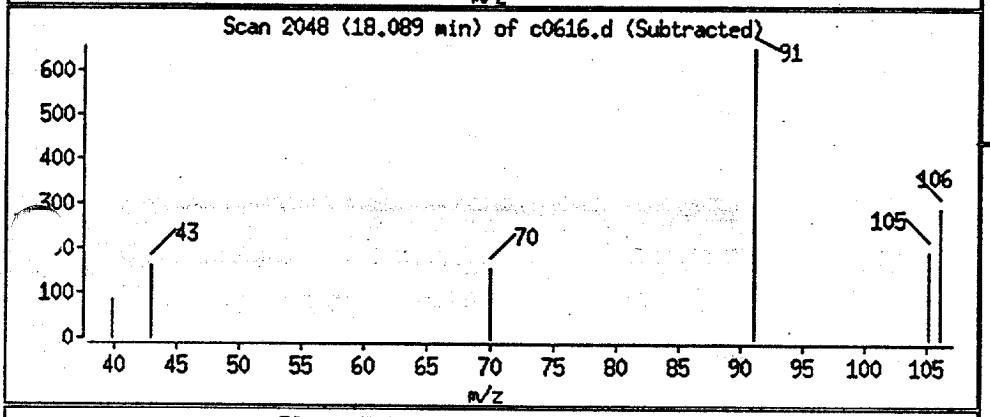
Column diameter : 0.53

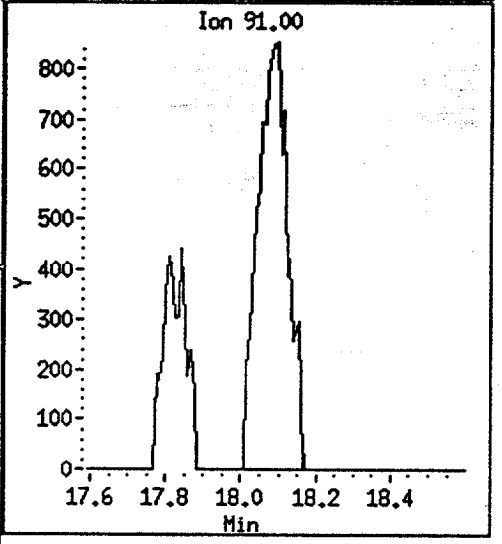
Volume Injected (uL) : 0.0

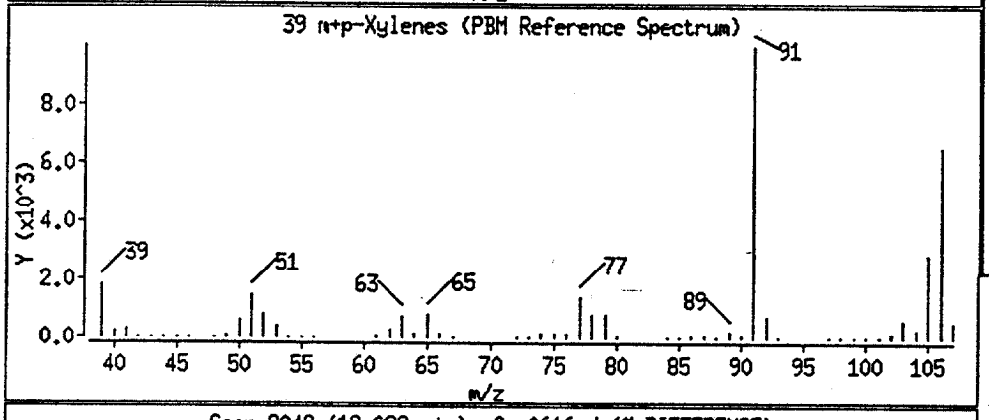
39 m+p-Xylenes

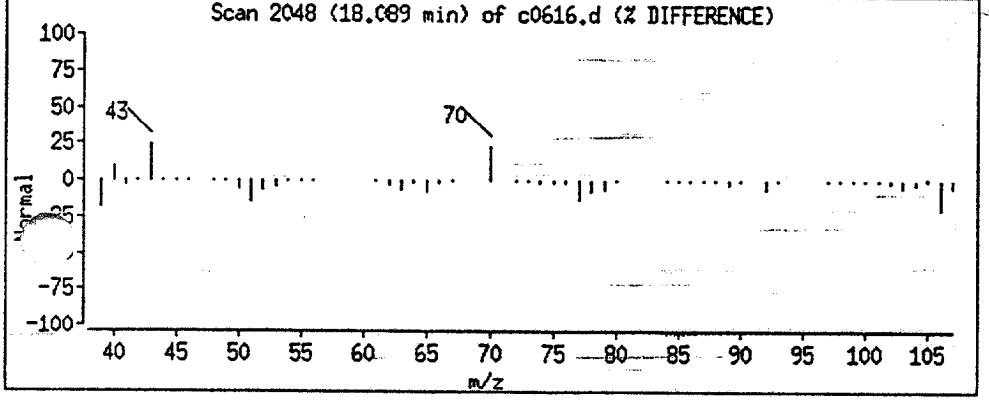












Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

Instrument : msc.i

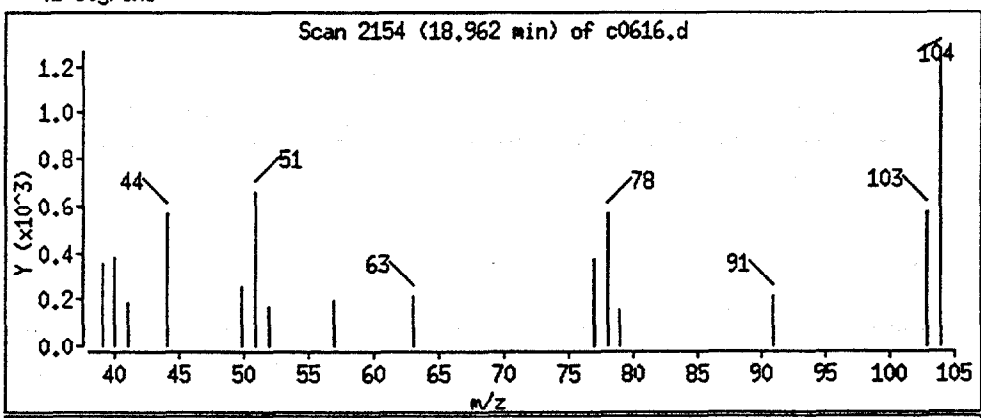
Sample ID : 15226n clj-dd-01

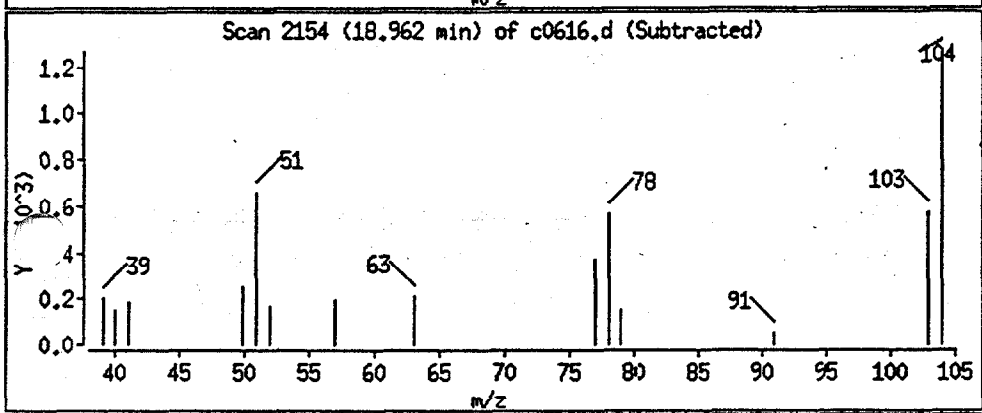
Column phase : J&W DB_624

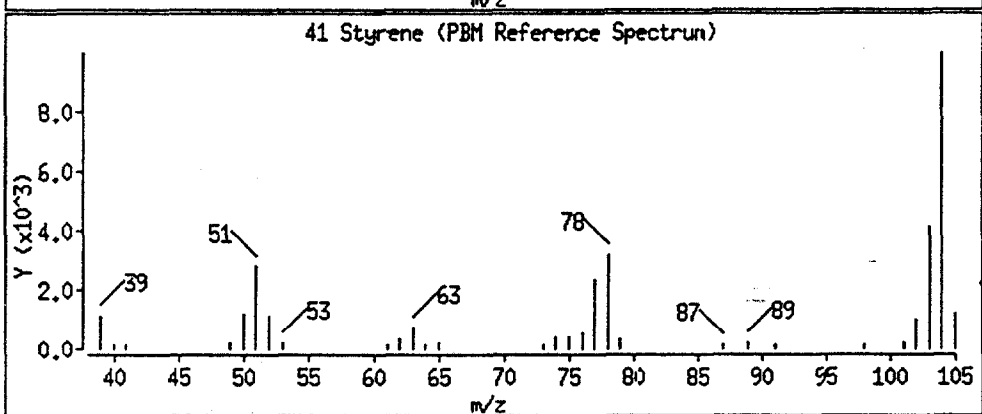
Column diameter : 0.53

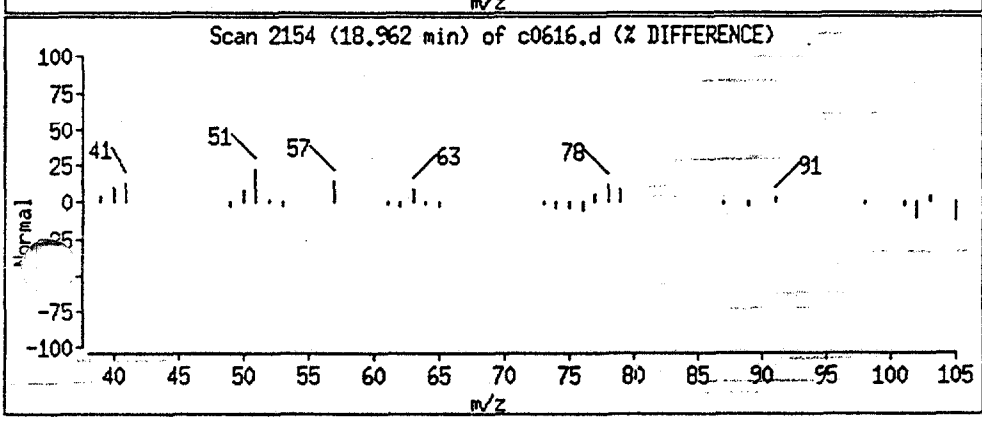
Volume Injected (uL) : 0.0

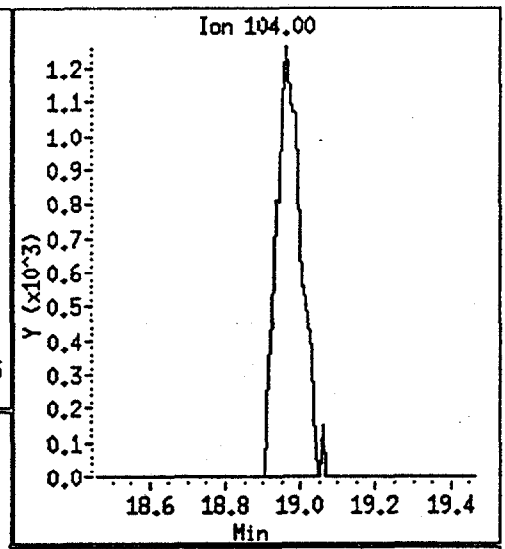
41 Styrene

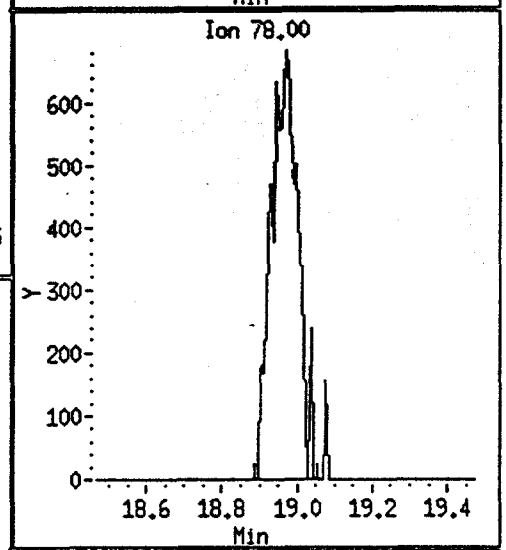


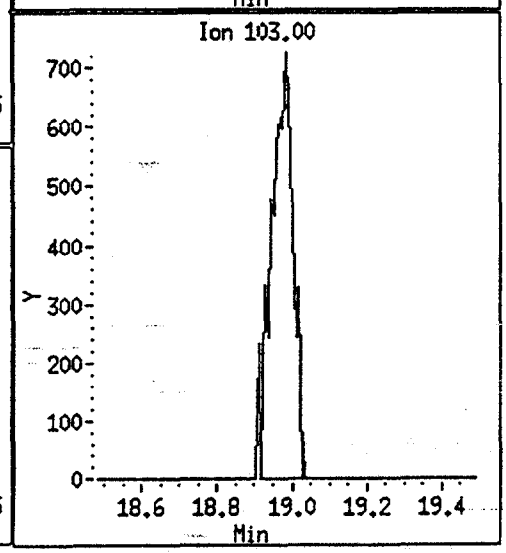












Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37

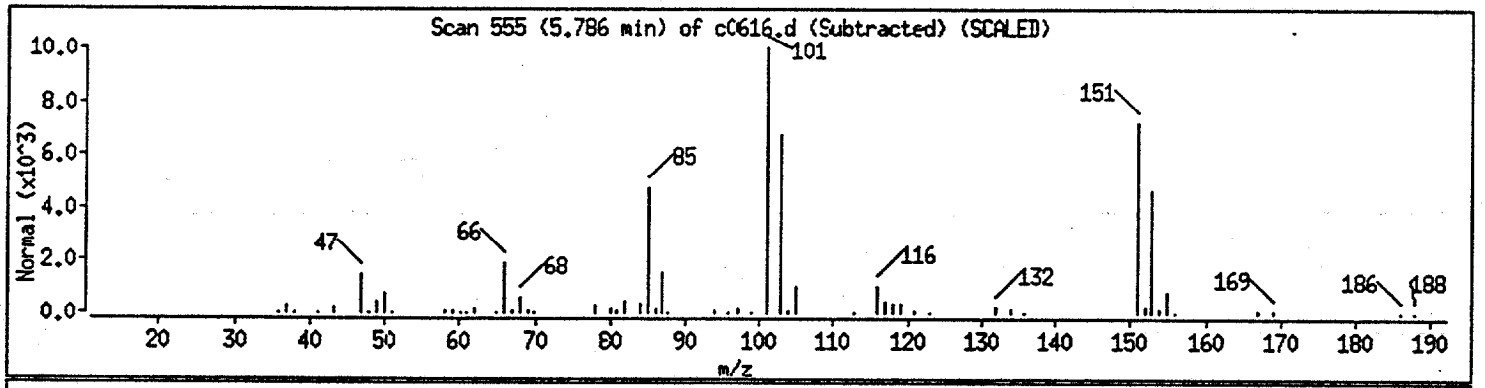
Instrument : msc.i

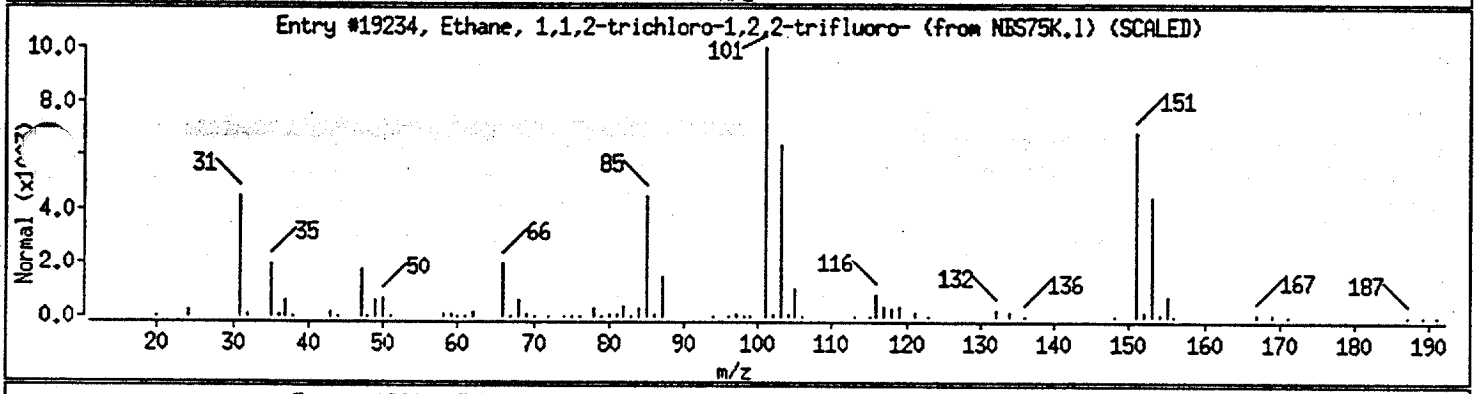
Sample ID : 15226n clj-dd-01

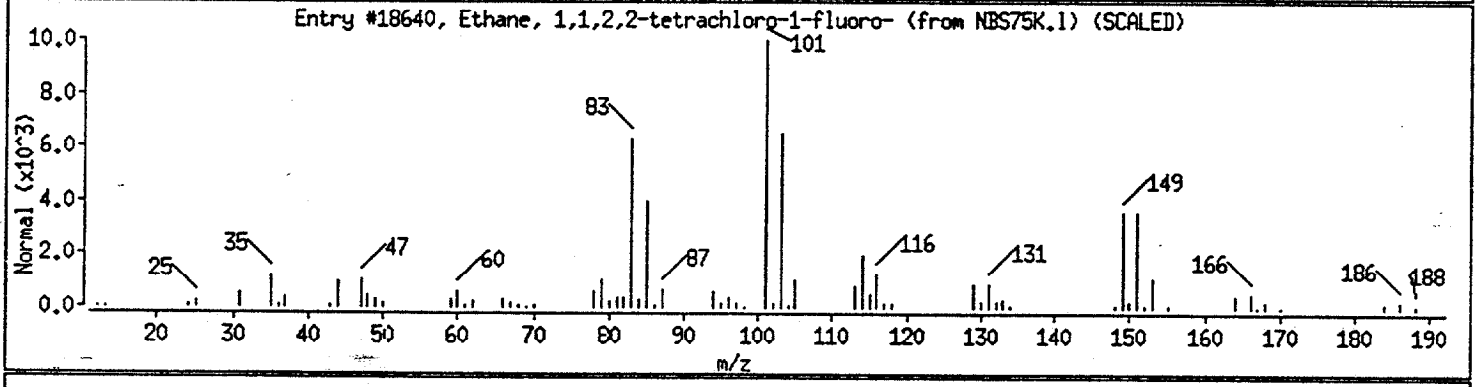
Column phase : J&W DB_624 Column diameter : 0.53

Volume Injected (uL) : 0.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	NBS75K.1	19234	91
Ethane, 1,1,2,2-tetrachloro-1-fluoro-	354-14-3	NBS75K.1	18640	53



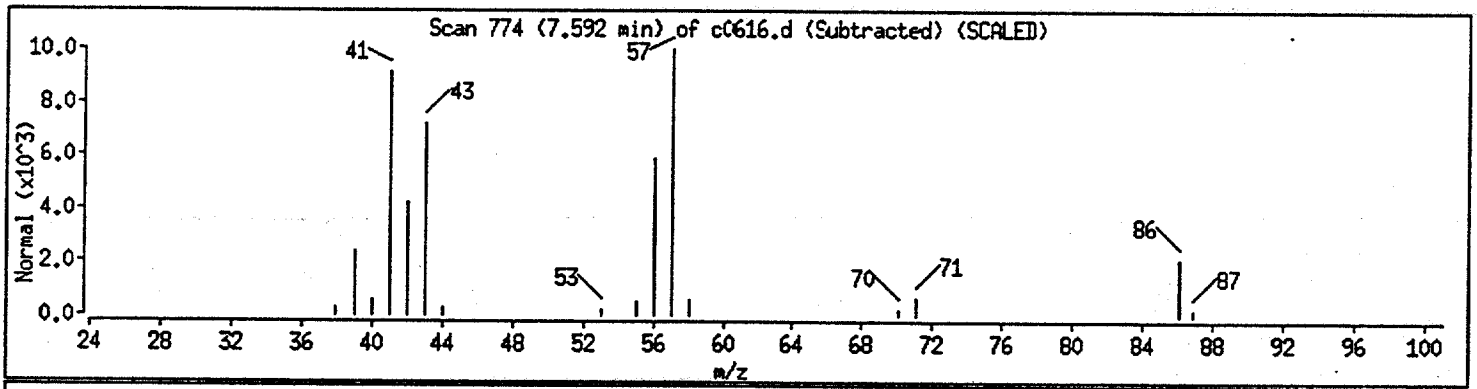


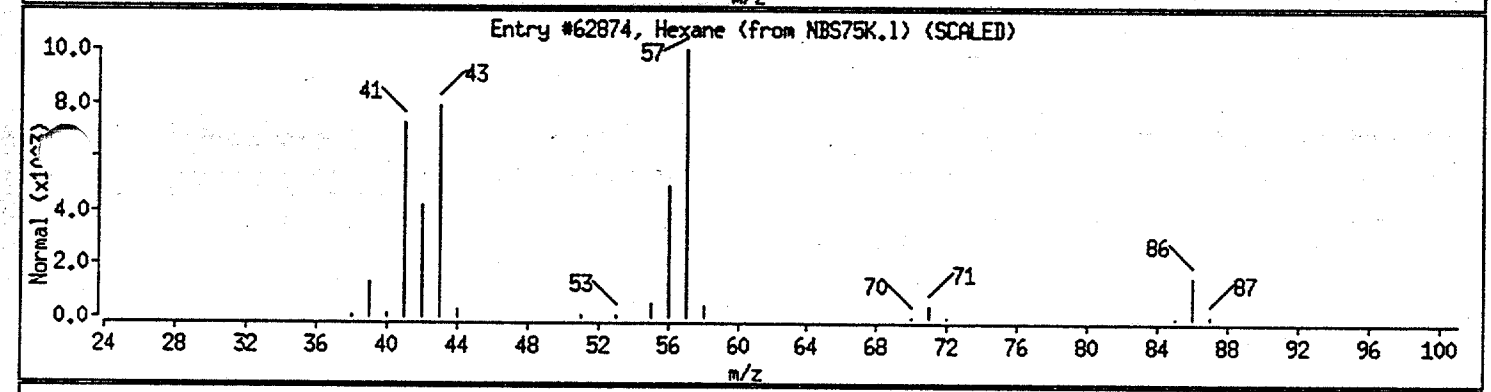


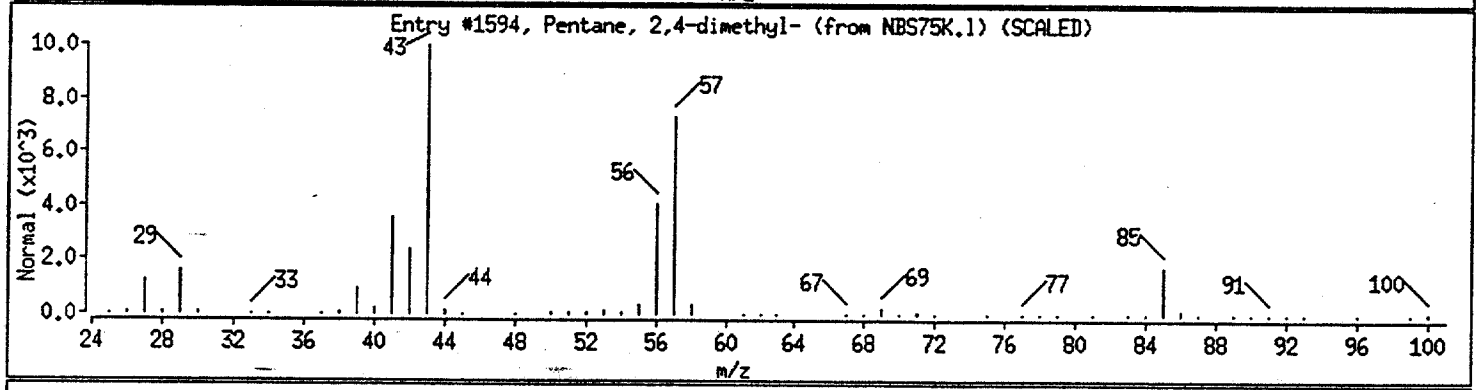
Data File: /chem/aux/msc.i/c1217a94.b/c0616.d

Date : 17-DEC-94 23:37
Instrument : msc.i
Sample ID : 15226n clj-dd-01
Column phase : J&W DB_624 Column diameter : 0.53
Volume Injected (uL) : 0.0

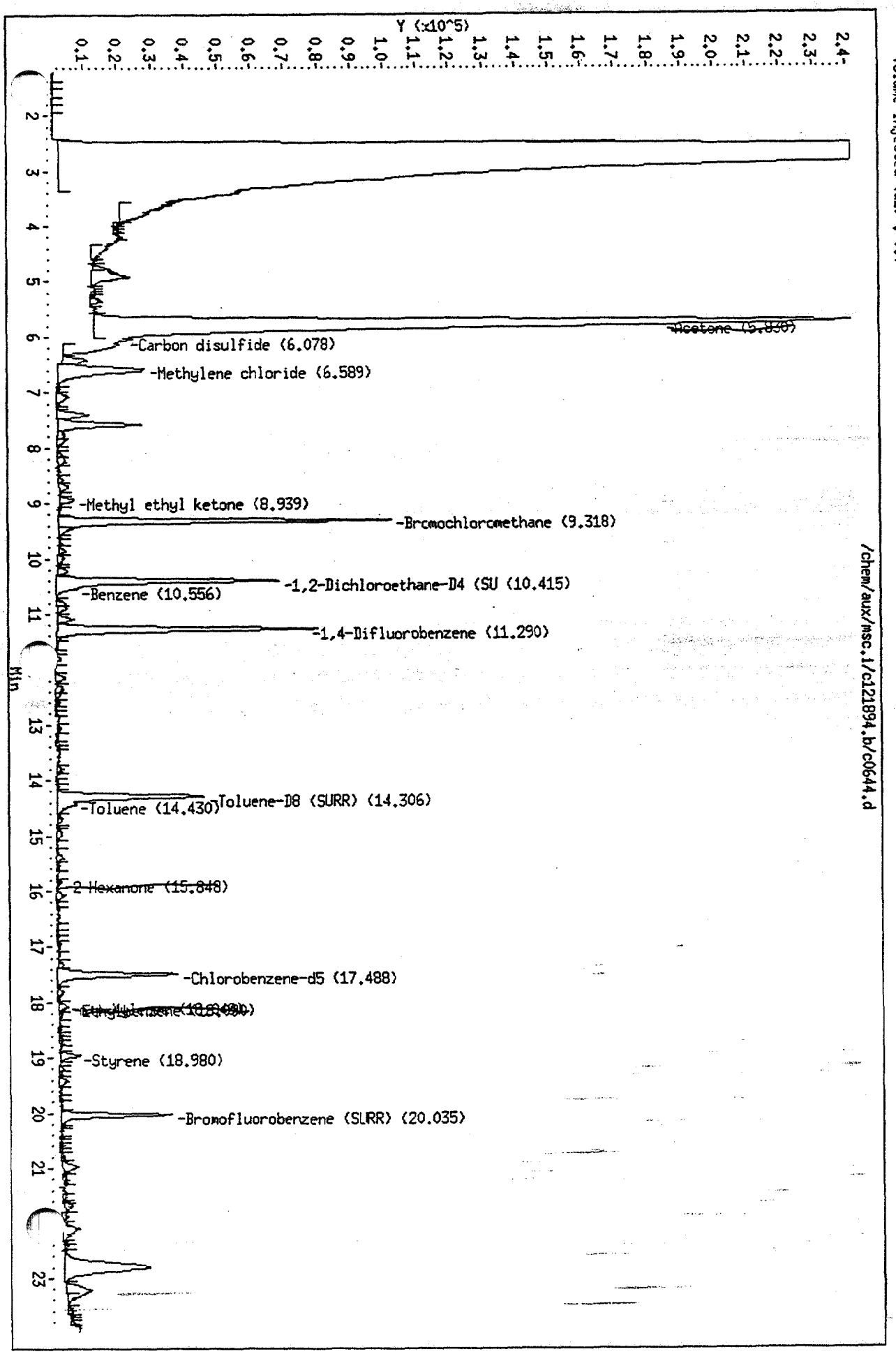
Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Hexane	110-54-3	NBS75K.l	62874	91
Pentane, 2,4-dimethyl-	108-08-7	NBS75K.l	1594	36







Data File: /chem/aux/msc.i/c121894.b/c0644.d
Date : 18-DEC-94 21:48
Instrument : msc.i
Sample ID : 15226n clj-dd-01
Column phase : J&W DB_624
Volume Injected (uL) : 0.0



/chem/aux/msc.i/c121894.b/c0644.d

Column diameter : 0.53

Data File: /chem/aux/msc.i/c121894.b/c0644.d
Report Date: 19-Dec-1994 07:17

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

3 IS's out
2 SURR
confirmation Run

Data file : /chem/aux/msc.i/c121894.b/c0644.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-DEC-94 21:48
Autotune Date: {
Operator : jk
Inst ID: msc.i
Smp Info : 15226n clj-dd-01
Misc Info : jn6023v,n2v4099,s:m2,5.06,5.00:1,
Comment :
Method : /chem/aux/msc.i/c121894.b/8240heatc.m
Meth Date : 19-Dec-1994 07:13 jeff
Cal Date : 18-DEC-94 14:47
Cal File: c0632.d
Als bottle: 13
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Acetone	43.00	5.830	(0.625)	66395	84.4	~~84.4(a)~~
	9 Carbon disulfide	76.00	6.078	(0.652)	24417	6.60	6.60
	9 Methylene chloride	84.00	6.589	(0.707)	42231	25.4	25.4
	14 Methyl ethyl ketone	72.00	8.947	(0.792)	2704	14.0	14.0(aQ)
*	15 Bromochloromethane	128.00	9.327	(1.000)	63401	50.0	
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.415	(1.117)	125648	52.9	52.9
	20 Benzene	78.00	10.556	(0.935)	8741	3.16	3.16(a)
*	22 1,4-Difluorobenzene	114.00	11.290	(1.000)	163282	50.0	
$	29 Toluene-D8 (SURR)	98.00	14.306	(0.818)	86010	68.5	68.5(R)
	30 Toluene	92.00	14.430	(0.825)	5233	6.24	6.24
	34 2-Hexanone	43.00	15.848	(0.906)	2982	3.46	~~3.46(aQ)~~
*	36 Chlorobenzene-d5	117.00	17.496	(1.000)	54534	50.0	
	38 Ethylbenzene	106.00	18.090	(1.034)	1834	3.62	~~3.62(aQ)~~
	39 m+p-Xylenes	106.00	18.049	(1.032)	658	1.06	~~1.06(aQ)~~
	41 Styrene	104.00	18.980	(1.085)	7336	7.39	7.39
$	43 Bromofluorobenzene (SURR)	95.00	20.035	(1.145)	38135	37.5	37.5(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

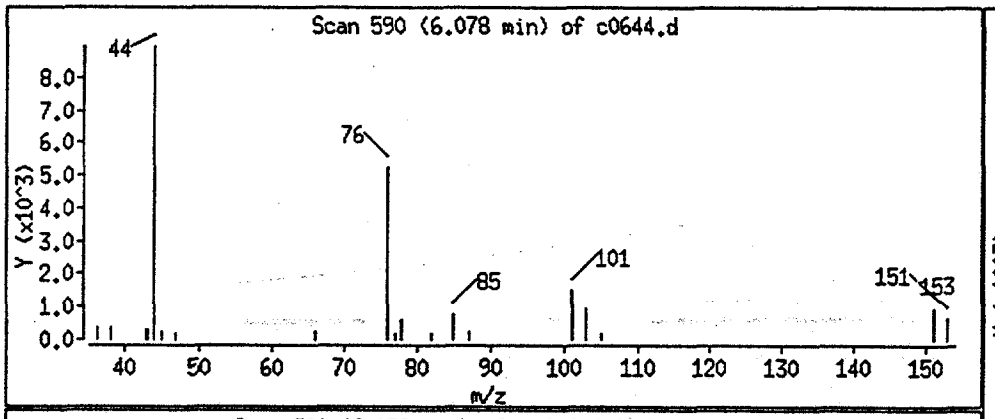
Sample ID : 15226n clj-dd-01

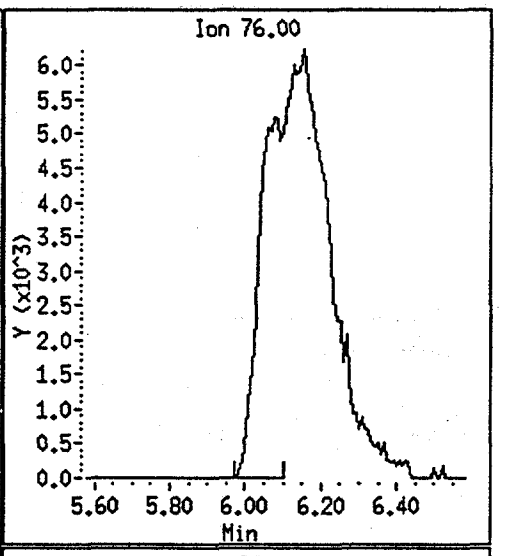
Column phase : J&W DB_624

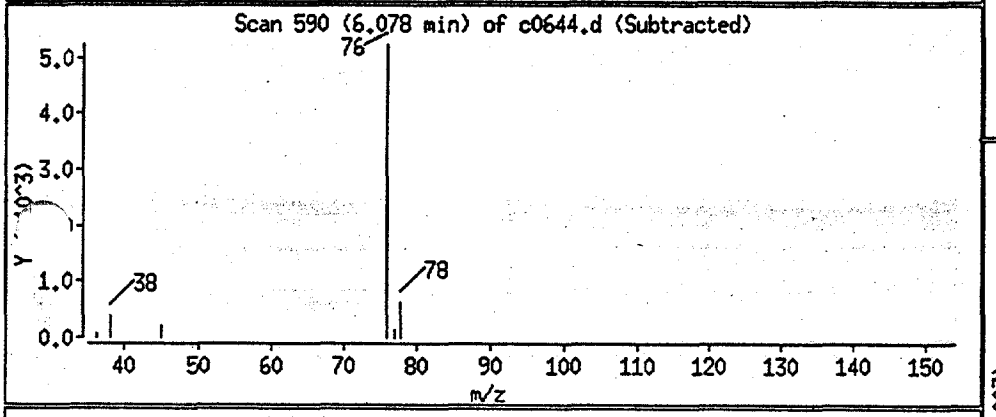
Column diameter : 0.53

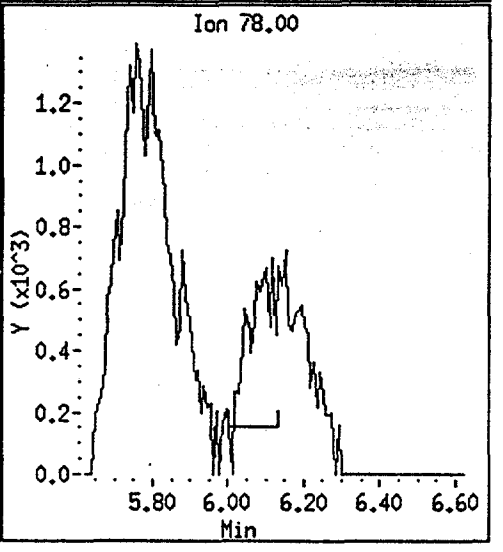
Volume Injected (uL) : 0.0

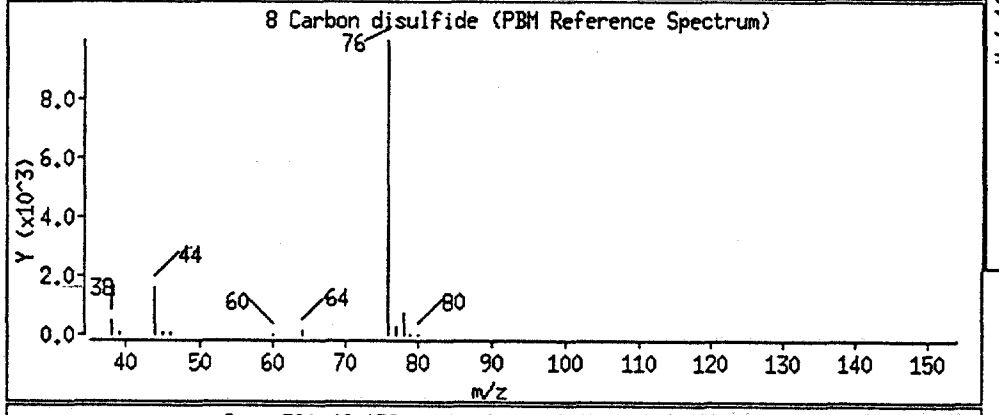
8 Carbon disulfide

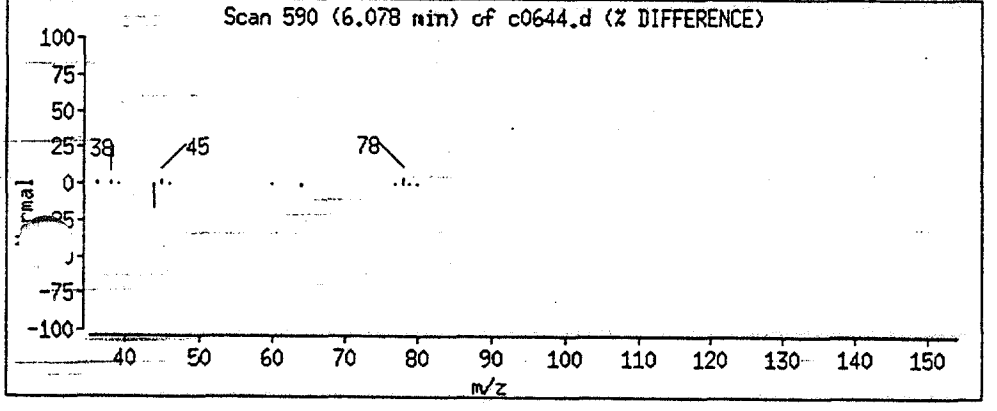












Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

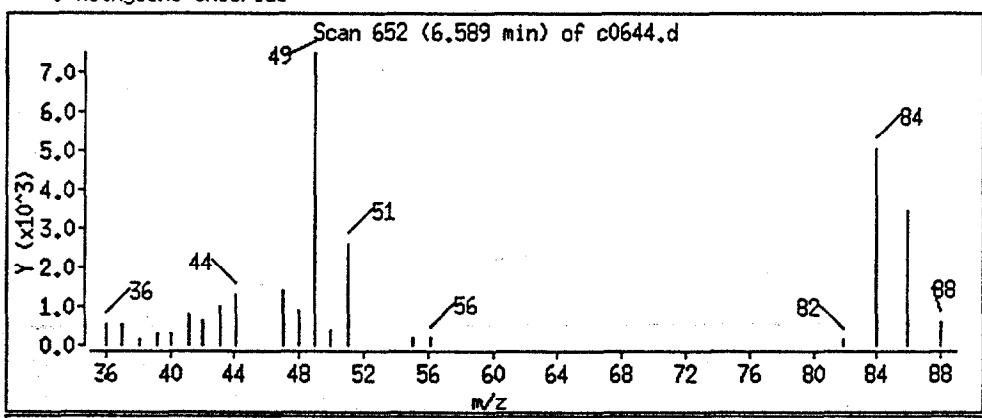
Sample ID : 15226n clj-dd-01

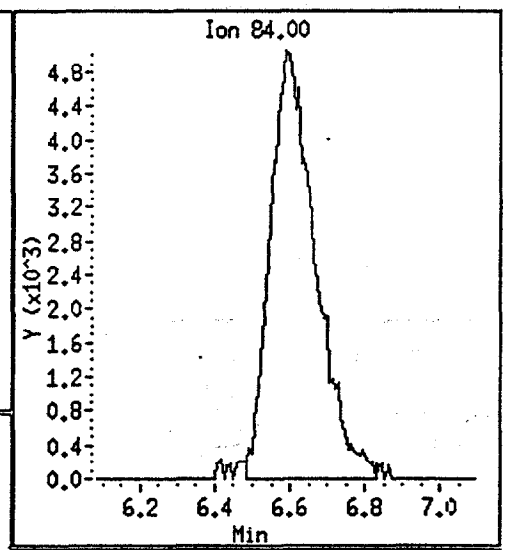
Column phase : J&W DB_624

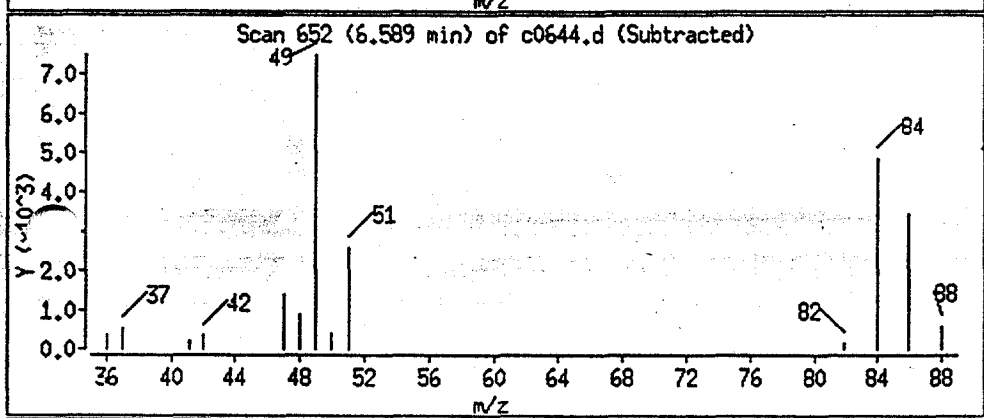
Column diameter : 0.53

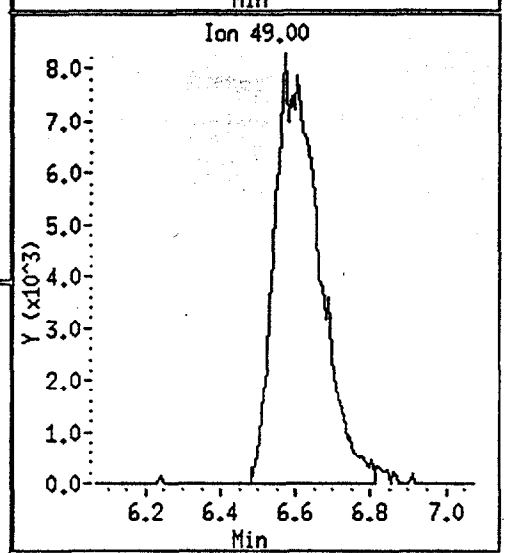
Volume Injected (uL) : 0.0

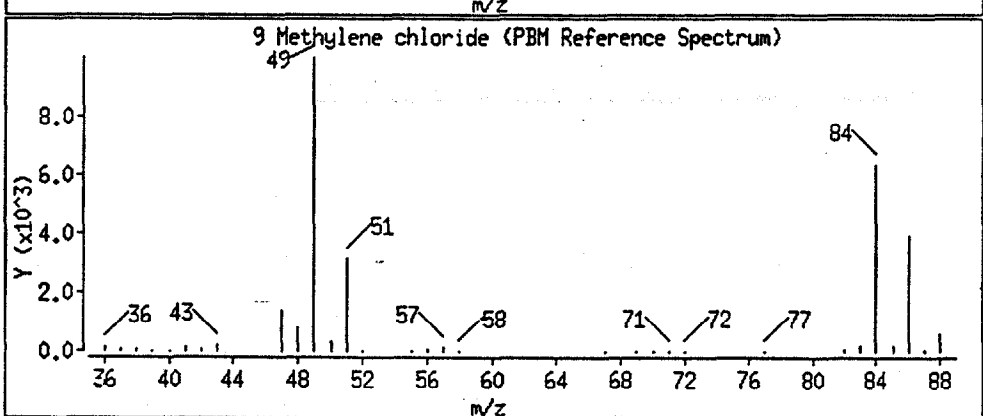
9 Methylene chloride

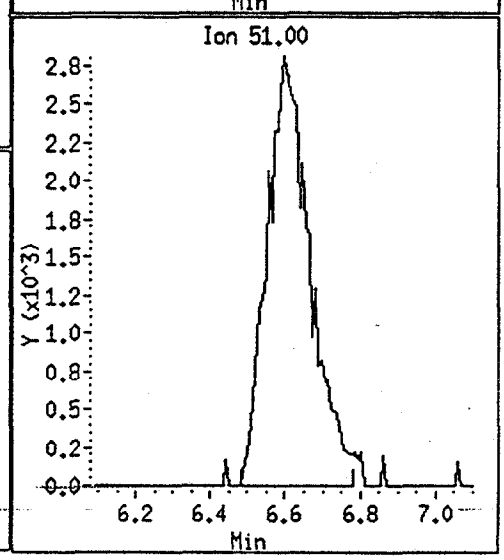


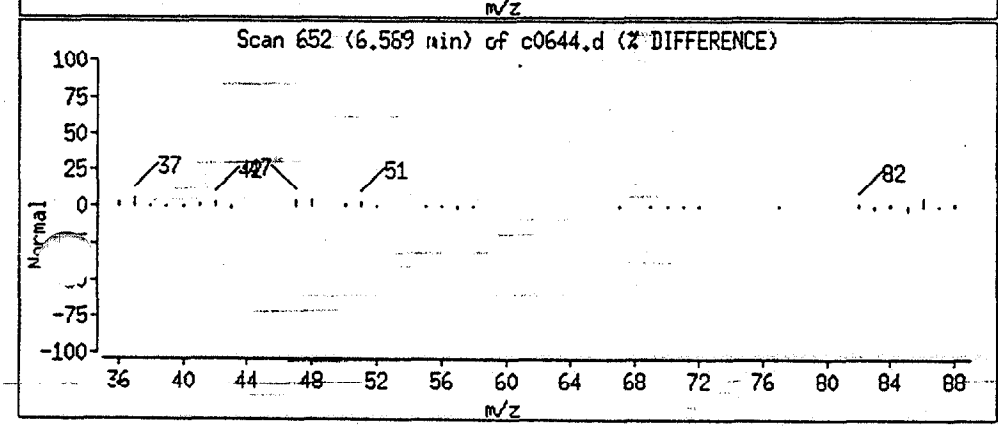












Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

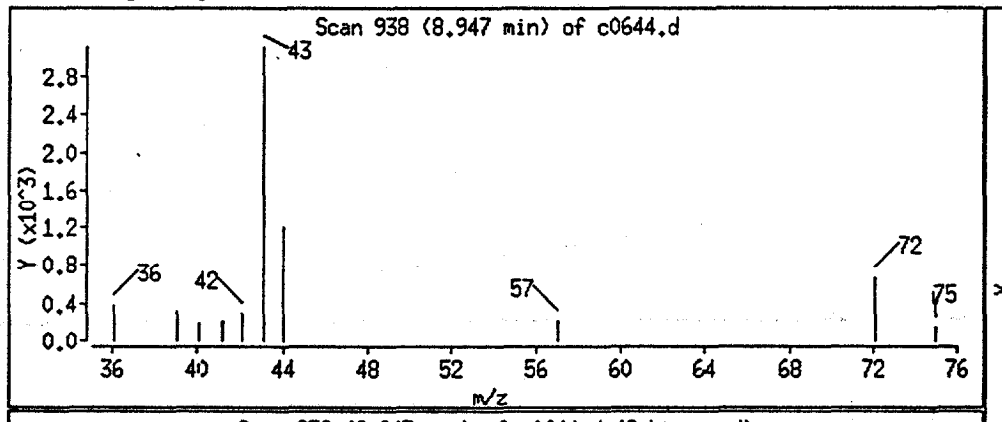
Sample ID : 15226n clj-dd-01

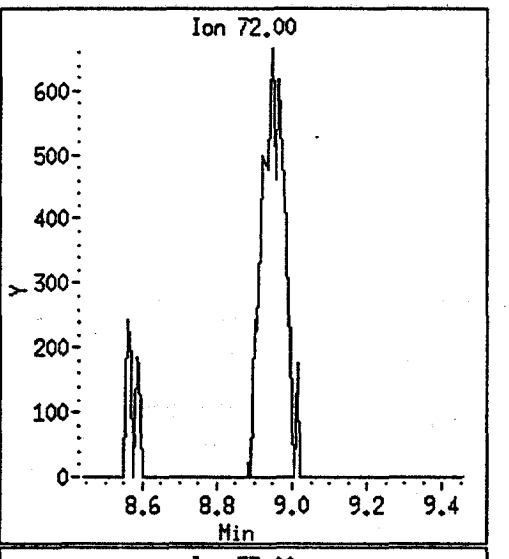
Column phase : J&W DB_624

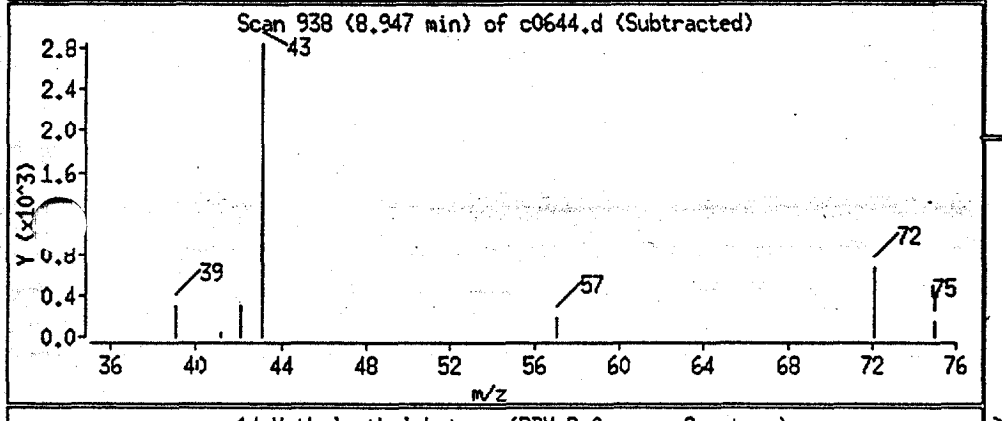
Column diameter : 0.53

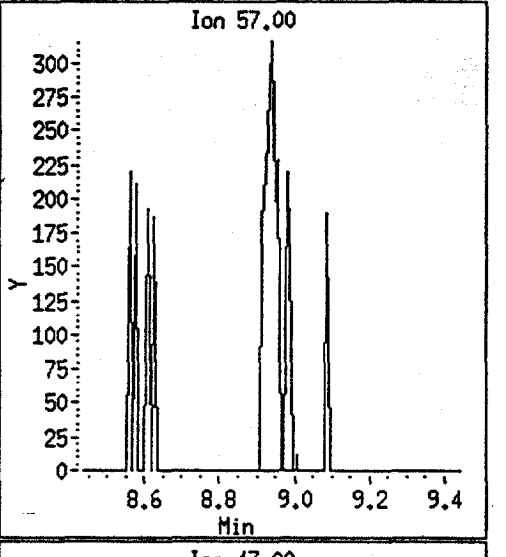
Volume Injected (uL) : 0.0

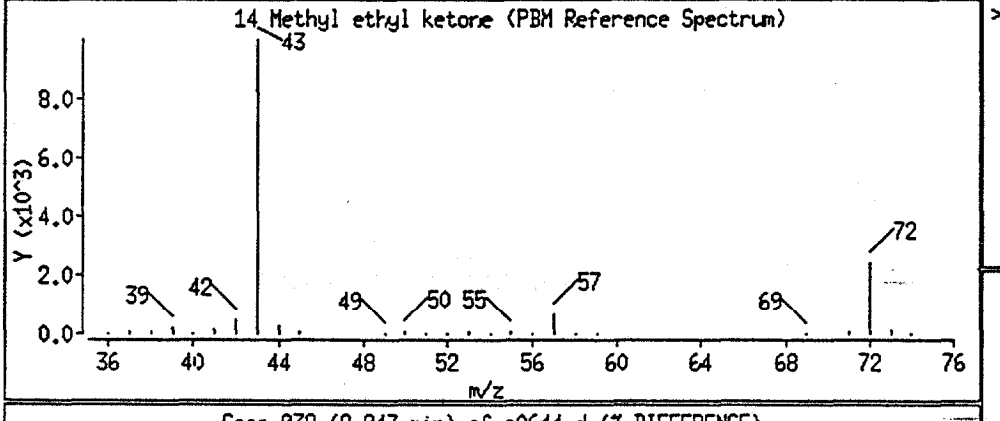
14 Methyl ethyl ketone

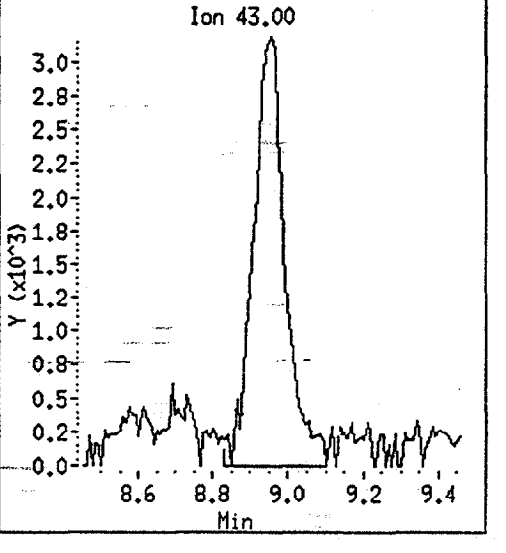


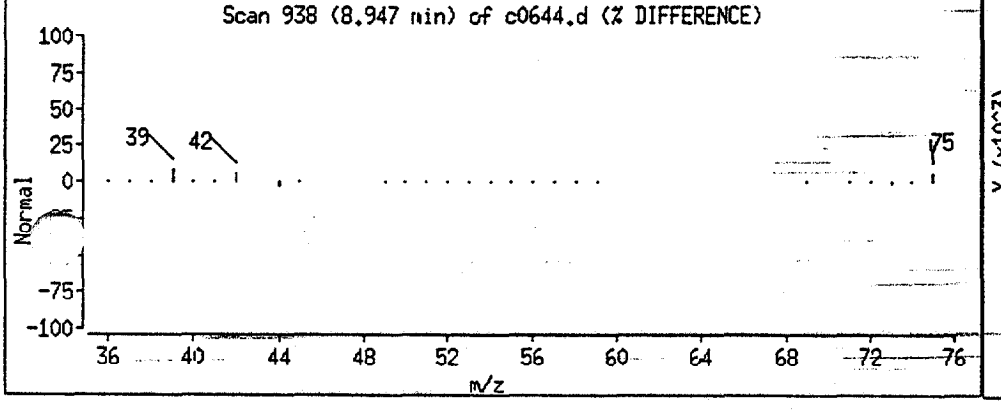












Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

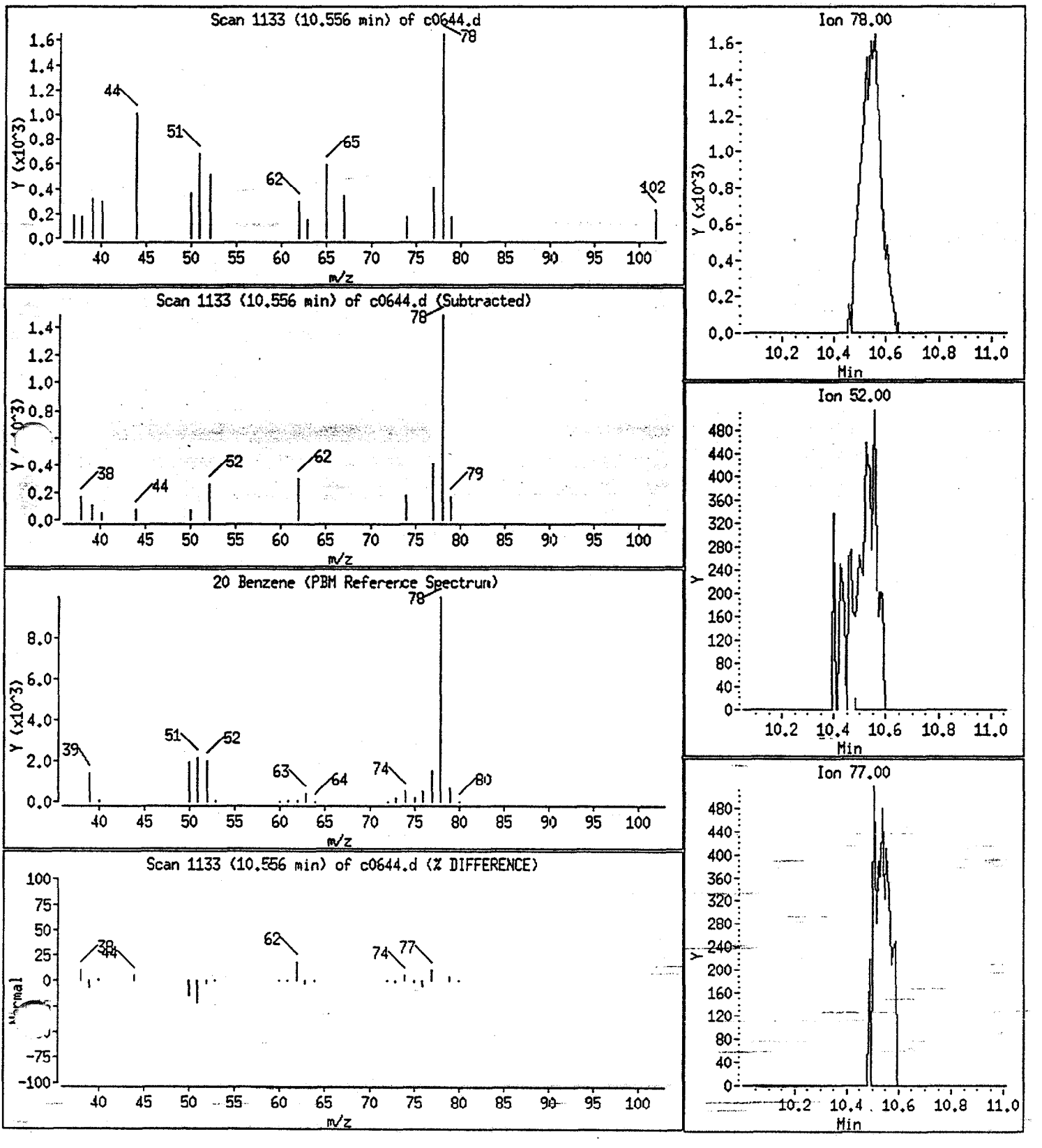
Sample ID : 15226n clj-dd-01

Column phase : J&W DB_624

Column diameter : 0.53

Volume Injected (uL) : 0.0

20 Benzene



Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

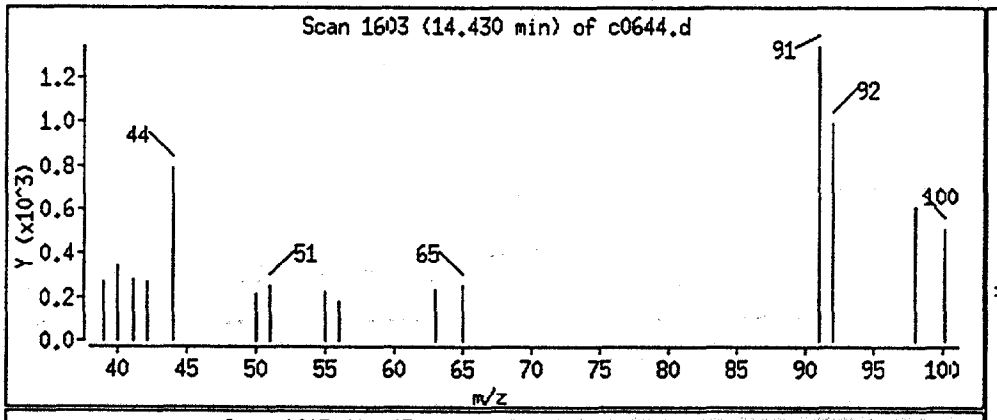
Sample ID : 15226n clj-dd-01

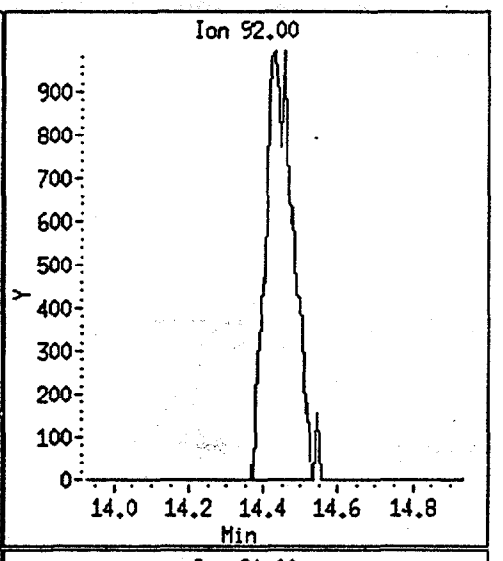
Column phase : J&W DB_624

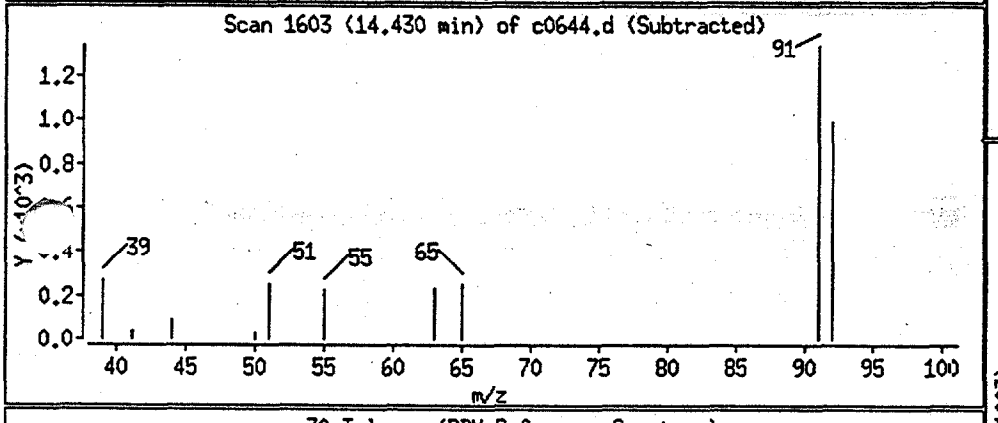
Column diameter : 0.53

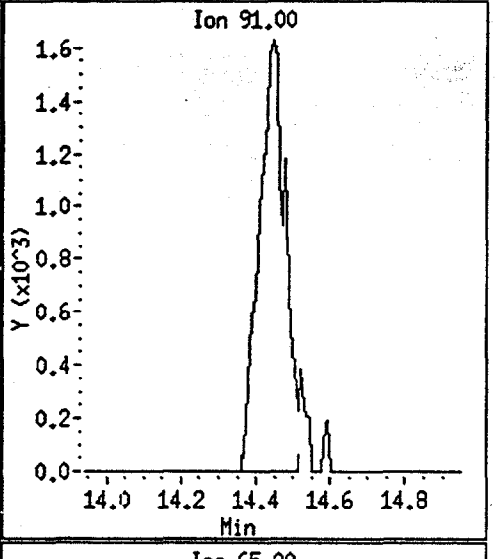
Volume Injected (uL) : 0.0

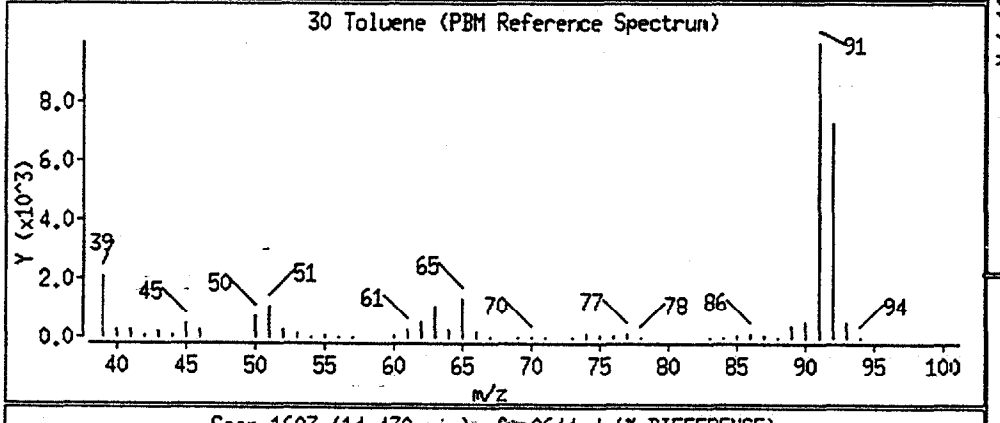
30 Toluene

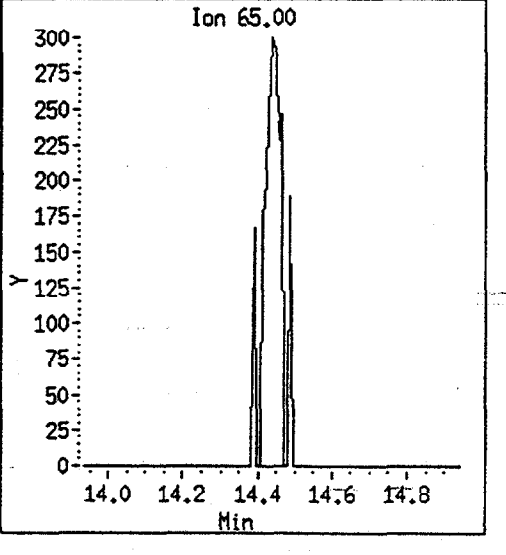


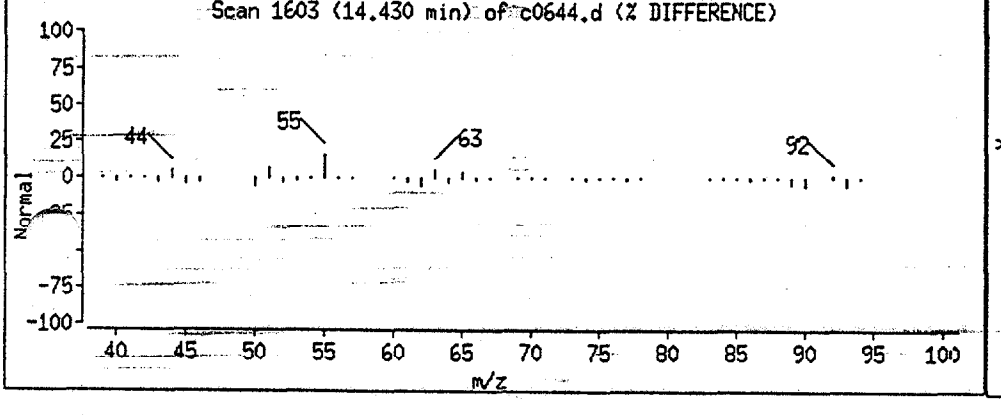












Data File: /chem/aux/msc.i/c121894.b/c0644.d

Date : 18-DEC-94 21:48

Instrument : msc.i

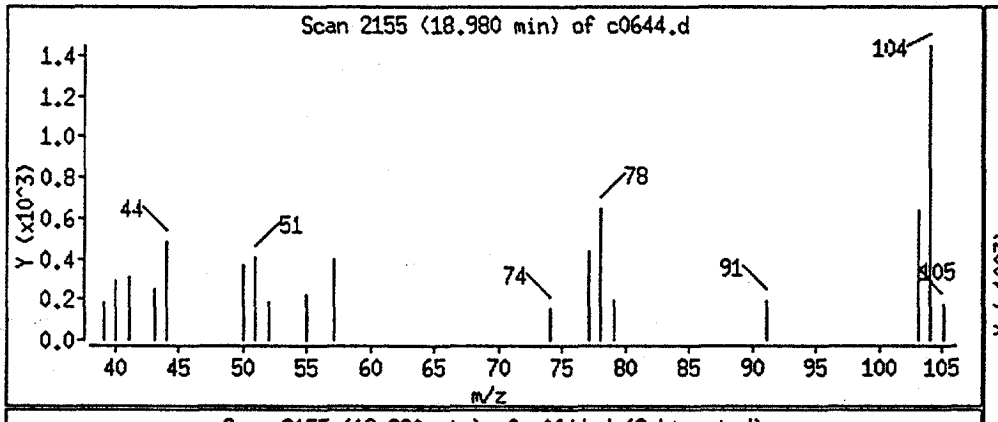
Sample ID : 15226n clj-dd-01

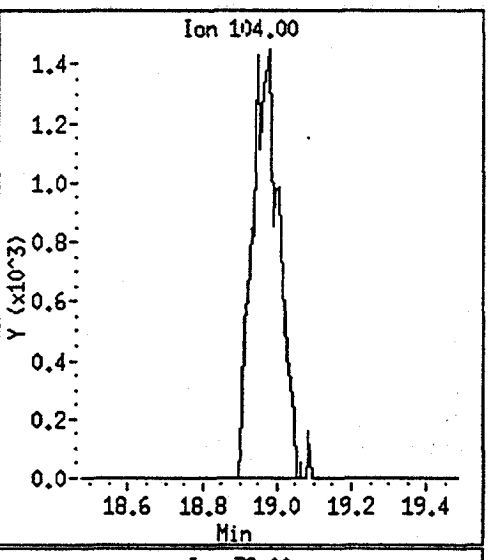
Column phase : J&W DB_624

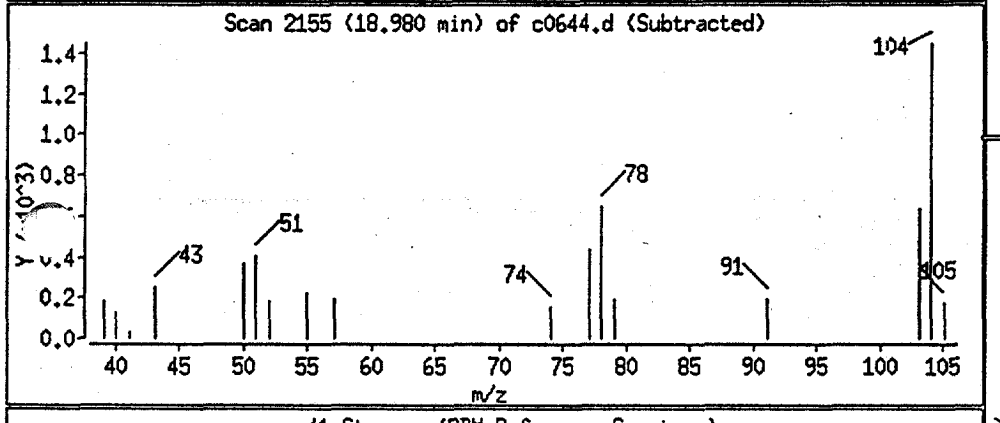
Column diameter : 0.53

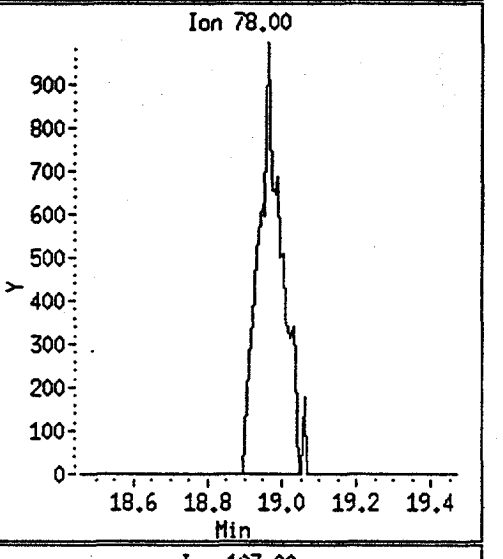
Volume Injected (uL) : 0.0

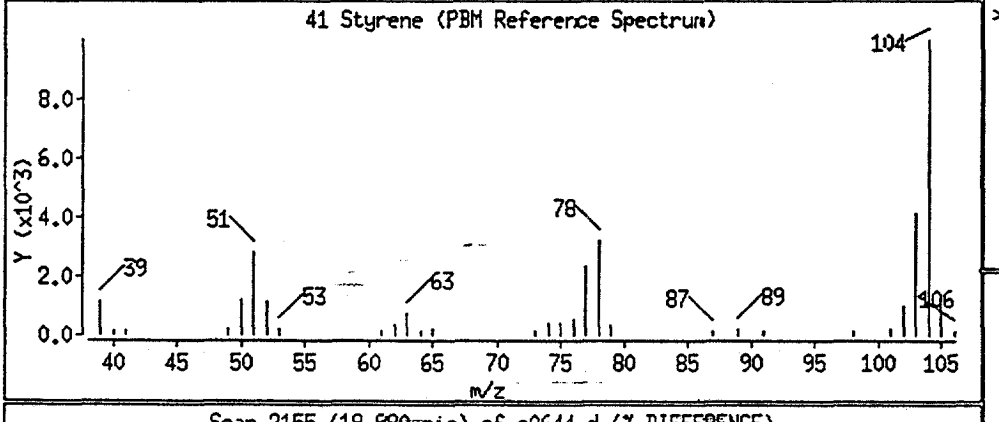
41 Styrene

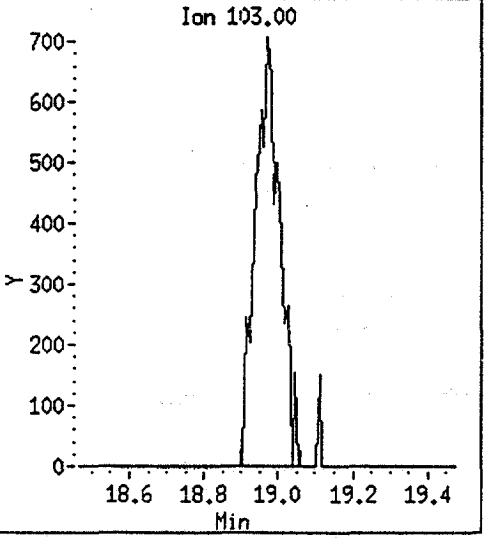


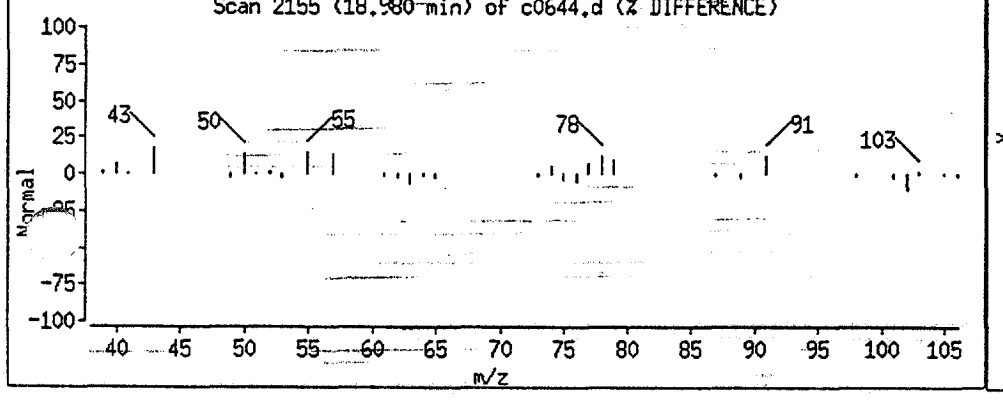












2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N3V409

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	A01SS-18B	103	97	98		0
~~02~~	~~A01SS-26B~~	~~103~~	~~96~~	~~100~~		~~0~~
~~03~~	~~A01SS-103A~~	~~106~~	~~95~~	~~100~~		~~0~~
~~04~~	~~A05SS-102~~	~~106~~	~~97~~	~~99~~		~~0~~
05	CLJ-DD-01	126	65	104		0
~~06~~	~~A01SS-104~~	~~124~~	~~79~~	~~105~~		~~0~~
07	VBLK01	95	96	102		0
08	VSPK01	101	104	99		0
09	A01SS-18BMS	105	106	98		0
10	A01SS-18BMSD	104	106	104		0
~~11~~	~~A01SS-105~~	~~126~~	~~88~~	~~101~~		~~0~~
~~12~~	~~A01SS-106~~	~~136~~	~~81~~	~~102~~		~~0~~
~~13~~	~~060~~	~~114~~	~~99~~	~~99~~		~~0~~
~~14~~	~~065~~	~~105~~	~~89~~	~~96~~		~~0~~
~~15~~	~~T12-14-001~~	~~108~~	~~93~~	~~101~~		~~0~~
~~16~~	~~T12-14-002~~	~~122~~	~~90~~	~~104~~		~~0~~
~~17~~	~~061~~	~~122~~	~~96~~	~~103~~		~~0~~
~~18~~	~~062~~	~~123~~	~~86~~	~~109~~		~~0~~

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring compound diluted out

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4097

Matrix Spike - EPA Sample No.: A01SS-18B Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	59	0	68	116	30-130
Trichloroethene	59	0	64	108	30-130
Benzene	59	0	62	105	30-130
Toluene	59	0	63	107	30-130
Chlorobenzene	59	0	60	102	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	59	65	111	5	20	30-130
Trichloroethene	59	64	108	.2	20	30-130
Benzene	59	61	104	.4	20	30-130
Toluene	59	62	106	.9	20	30-130
Chlorobenzene	59	60	101	.6	20	30-130

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

COMMENTS: _____

3B
SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15220N SAS No.: N/A SDG No.: N2V4C9

Matrix Spike - EPA Sample No.: VSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0	52	103	30-130
Trichloroethene	50	0	56	112	30-130
Benzene	50	0	52	103	30-130
Toluene	50	0	52	103	30-130
Chlorobenzene	50	0	51	103	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: _____ Case No.: 15226N SAS No.: _____ SDG No.: N2V4099

Lab File ID: C0618 Lab Sample ID: N2V4099V

Date Analyzed: 12/18/94 Time Analyzed: 00:46

GC Column: _____ ID: _____ (mm) Heated Purge: (Y/N) ___

Instrument ID: SC

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
CLJ-DD-01	JN6023V	C0616	2337
A0155-18B	JN5853V	C0612	2118
A0155-18B MS	JN5853VS	C0640	1927
A0155-18B MSD	JN5853VR	C0641	2003

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V411

Lab File ID: C0218 BFB Injection Date: 11/23/94

Instrument ID: msc. I BFB Injection Time: 09:38

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.5
75	30.0 - 66.0% of mass 95	54.2
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	82.0
175	4.0 - 9.0 % of mass 174	7.1 (8.7)1
176	93.0 - 101.0% of mass 174	79.2 (96.6)1
177	5.0 - 9.0% of mass 176	6.4 (8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD10	VSTD10	C0226	11/23/94	14:02
02	VSTD20	VSTD20	C0227		14:37
03	VSTD50	VSTD50	C0228		15:12
04	VSTD100	VSTD100	C0229		15:47
05	VSTD200	VSTD200	C0230		16:21
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: NAV409

Lab File ID: C0607 BFB Injection Date: 12/17/94

Instrument ID: MSC.E BFB Injection Time: 18:34

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.3
75	30.0 - 66.0% of mass 95	51.4
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	48.1
175	4.0 - 9.0 % of mass 174	6.0 (8.5)1
176	93.0 - 101.0% of mass 174	66.4 (97.4)1
177	5.0 - 9.0% of mass 176	5.7 (8.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	C0609	12/17/94	19:37
02	CLT-DD-01	JN6023V	C0616	↓	23:37
03	VBLK01	VBLK01	C0618	↓	00:46
04	94155-1BB	JN5853V	C0619	↓	21:18
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N214099

Lab File ID: C0631 BFB Injection Date: 12/18/94

Instrument ID: MSC. II BFB Injection Time: 14:14

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.1
75	30.0 - 66.0% of mass 95	49.2
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	67.8
175	4.0 - 9.0 % of mass 174	6.0 (8.8)1
176	93.0 - 101.0% of mass 174	65.8 (97.5)1
177	5.0 - 9.0% of mass 176	3.9 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	C0632	12/18/94	14:47
02	VSPK	VSPK	C0639		18:52
03	A0155-18 BMS	IN 5853 VS	C0640		19:27
04	A0155-18 BMSD	IN 5853 VR	C0641		20:03
05					
06					
07					
08					
09					
10					
11					
12					
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14					
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16					
17					
18					
19					
20					
21					
22					

Report Date : 29-Nov-1994 16:52

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 23-NOV-94 16:21
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240heatc.m
Cal Date : 23-Nov-1994 18:39

Calibration File Names:
Level 1: /chem/aux/msc.i/c112394.b/c0226.d
Level 2: /chem/aux/msc.i/c112394.b/c0227.d
Level 3: /chem/aux/msc.i/c112394.b/c0228.d
Level 4: /chem/aux/msc.i/c112394.b/c0229.d
Level 5: /chem/aux/msc.i/c112394.b/c0230.d

	10	20	50	100	200		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.56188	0.66761	0.69702	0.64568	0.62815	0.64007	7.924
2 Vinyl chloride	0.87415	0.94459	0.92805	0.83201	0.97013	0.90979	6.146
3 Methyl bromide	1.13119	1.15292	1.14991	1.02864	1.16930	1.12649	5.005
4 Chloroethane	0.61924	0.58779	0.54381	0.49684	0.54975	0.55949	8.305
5 Acrolein	0.24723	0.21423	0.23004	0.25200	0.19274	0.22725	10.734
6 1,1-Dichloroethylene	1.06943	1.11214	1.12837	0.98821	1.12874	1.08518	5.485
7 Acetone	1.06708	0.60020	0.67780	0.54853	0.51504	0.68173	32.856
8 Carbon disulfide	2.91043	3.08248	2.98584	2.66850	3.04462	2.93338	5.590
9 Methylene chloride	1.44893	1.30599	1.18027	1.08884	1.18381	1.24257	11.167
10 Acrylonitrile	0.44487	0.47423	0.45810	0.45877	0.46703	0.46060	2.389
11 1,2-Trans-dichloroethylene	1.19328	1.21636	1.21733	1.10020	1.23452	1.19234	4.491
12 1,1-Dichloroethane	2.26051	2.35530	2.26617	2.14948	2.35368	2.27703	3.718
13 1,2-cis-Dichloroethylene	1.19550	1.27359	1.24797	1.16120	1.29578	1.23481	4.501
14 Methyl ethyl ketone	0.06932	0.06399	0.06308	0.06160	0.05982	0.06356	5.951
16 Chloroform	2.80097	2.88261	2.79788	2.63434	2.87969	2.79910	3.600
17 1,1,1-Trichloroethane	0.53213	0.58472	0.57600	0.54931	0.58215	0.56486	4.086
18 Carbon tetrachloride	0.51245	0.55392	0.54276	0.53079	0.57747	0.54348	4.496
20 Benzene	0.89183	0.88264	0.84242	0.82040	0.86933	0.86134	3.426
21 1,2-Dichloroethane	1.96234	1.93578	1.98881	1.91391	2.05736	1.97164	2.818
23 Trichloroethylene	0.43359	0.47622	0.45395	0.43542	0.46461	0.45276	4.073
24 1,2-Dichloropropane	0.40790	0.42336	0.40926	0.39809	0.43555	0.41483	3.538
25 Dichlorobromomethane	0.66692	0.67571	0.68974	0.68171	0.72581	0.68798	3.304
26 2-Chloroethylvinyl ether	0.26254	0.24889	0.25265	0.24236	0.28415	0.25812	6.308
27 cis-1,3-Dichloropropylene	0.54487	0.55901	0.55351	0.53972	0.57640	0.55470	2.569
Methyl-iso-butyl ketone	1.10409	1.00805	1.03015	0.99385	0.99577	1.02638	4.461
30 Toluene	0.76069	0.80259	0.76665	0.72765	0.79724	0.77097	3.940
31 trans-1,3-Dichloropropylene	0.50293	0.49346	0.48102	0.47621	0.52345	0.49541	3.805

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 23-NOV-94 16:21
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240heatc.m
Cal Date : 23-Nov-1994 18:39

	Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	___ RRF	% RSD/R^2
32	1,1,2-Trichloroethane	0.39312	0.39511	0.38530	0.38323	0.41125	0.39360	2.813
33	Tetrachloroethylene	0.52355	0.56265	0.54760	0.51529	0.55110	0.54004	3.674
34	2-Hexanone	0.78063	0.76660	0.79219	0.76309	0.77605	0.77571	1.495
35	Chlorodibromomethane	0.56903	0.57557	0.61943	0.63380	0.68981	0.61753	7.935
37	Chlorobenzene	1.03384	1.07924	1.05552	1.02768	1.10190	1.05963	2.937
38	Ethylbenzene	0.45656	0.48384	0.47528	0.44710	0.50244	0.47305	4.644
39	m+p-Xylenes	0.55139	0.59803	0.58278	0.55979	0.60663	0.57973	4.108
40	o-Xylene	0.57978	0.61883	0.59248	0.57747	0.61254	0.59622	3.153
41	Styrene	0.91586	0.97667	0.95493	0.92893	1.00936	0.95725	3.932
42	Bromoform	0.50052	0.52379	0.56227	0.58226	0.65860	0.56549	10.801
44	1,1,2,2-Tetrachloroethane	1.03521	1.03133	1.02703	1.07696	1.04144	1.04240	1.922
45	1,3-Dichlorobenzene	0.95941	1.00317	0.96910	0.90285	0.95083	0.95707	3.787
46	1,4-Dichlorobenzene	1.11986	1.16728	1.11804	1.06130	1.11174	1.11565	3.371
47	1,2-Dichlorobenzene	0.96550	1.00482	0.95594	0.92633	0.96404	0.96332	2.913
$ 19	1,2-Dichloroethane-D4 (SURR)	1.54475	1.50386	1.51865	1.50155	1.54897	1.52354	1.462
$ 29	Toluene-D8 (SURR)	1.12679	1.12566	1.08442	1.05644	1.07912	1.09449	2.816
$ 43	Bromofluorobenzene (SURR)	0.92663	0.86378	0.79594	0.83856	0.78995	0.84297	6.625

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0609.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:37
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c1217a94.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.640	0.792	0.300	23.8	40.0	
	2 Vinyl chloride	0.910	1.223	0.010	34.5	25.0	<-
	3 Methyl bromide	1.126	1.232	0.010	9.3	40.0	
	4 Chloroethane	0.559	0.642	0.010	14.7	40.0	
	5 Acrolein	0.227	0.239	0.010	5.1	40.0	
	6 1,1-Dichloroethylene	1.085	1.235	0.010	13.8	25.0	
	7 Acetone	0.682	0.780	0.010	14.4	40.0	
	8 Carbon disulfide	2.938	2.960	0.010	0.7	40.0	
	9 Methylene chloride	1.243	1.306	0.010	5.1	40.0	
	10 Acrylonitrile	0.461	0.431	0.010	6.5	40.0	
	11 1,2-Trans-dichloroethylene	1.192	1.270	0.010	6.5	40.0	
	12 1,1-Dichloroethane	2.277	2.529	0.300	11.1	40.0	
	13 1,2-cis-Dichloroethylene	1.235	1.298	0.010	5.1	40.0	
	14 Methyl ethyl ketone	0.064	0.051	0.010	20.7	40.0	
	16 Chloroform	2.799	2.897	0.010	3.5	25.0	
	17 1,1,1-Trichloroethane	0.565	0.592	0.010	4.8	40.0	
	18 Carbon tetrachloride	0.543	0.560	0.010	3.0	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.847	0.010	21.2	40.0	
	20 Benzene	0.861	0.839	0.010	2.6	40.0	
	21 1,2-Dichloroethane	1.972	2.274	0.010	15.3	40.0	
	23 Trichloroethylene	0.453	0.425	0.010	6.1	40.0	
	24 1,2-Dichloropropane	0.415	0.430	0.010	3.6	25.0	
	25 Dichlorobromomethane	0.688	0.712	0.010	3.4	40.0	
	26 2-Chloroethylvinyl ether	0.258	0.248	0.010	3.9	40.0	
	27 cis-1,3-Dichloropropylene	0.555	0.556	0.010	0.2	40.0	
	28 Methyl-iso-butyl ketone	1.026	1.004	0.010	2.2	40.0	
S	29 Toluene-D8 (SURR)	1.094	1.152	0.010	5.3	40.0	
	30 Toluene	0.771	0.775	0.010	0.5	25.0	
	31 trans-1,3-Dichloropropylene	0.495	0.474	0.010	4.4	40.0	
	32 1,1,2-Trichloroethane	0.394	0.361	0.010	8.2	40.0	
	33 Tetrachloroethylene	0.540	0.548	0.010	1.4	40.0	
	34 2-Hexanone	0.776	0.735	0.010	5.2	40.0	
	35 Chlorodibromomethane	0.618	0.614	0.010	0.6	40.0	
	37 Chlorobenzene	1.060	1.029	0.300	2.9	40.0	
	38 Ethylbenzene	0.473	0.462	0.010	2.4	25.0	
	39 m+p-Xylenes	0.580	0.572	0.010	1.2	40.0	
	40 o-Xylene	0.596	0.573	0.010	3.9	40.0	
	41 Styrene	0.957	0.919	0.010	4.0	40.0	
	42 Bromoform	0.565	0.558	0.300	1.4	40.0	
S	43 Bromofluorobenzene (SURR)	0.843	0.951	0.010	12.8	40.0	

Data File: /chem/aux/msc.i/c1217a94.b/c0609.d
Report Date: 17-Dec-1994 20:15

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0609.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:37
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c1217a94.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	1.071	0.300	2.7	40.0
45 1,3-Dichlorobenzene	0.957	1.030	0.010	7.6	40.0
46 1,4-Dichlorobenzene	1.116	1.183	0.010	6.1	40.0
47 1,2-Dichlorobenzene	0.963	0.999	0.010	3.7	40.0

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-DEC-94 14:47
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121894.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.640	0.729	0.300	13.9	40.0	
	2 Vinyl chloride	0.910	1.148	0.010	26.1	25.0	<-
	3 Methyl bromide	1.126	1.204	0.010	6.8	40.0	
	4 Chloroethane	0.559	0.648	0.010	15.8	40.0	
	5 Acrolein	0.227	0.248	0.010	9.3	40.0	
	6 1,1-Dichloroethylene	1.085	1.221	0.010	12.5	25.0	
	7 Acetone	0.682	0.620	0.010	9.0	40.0	
	8 Carbon disulfide	2.938	2.916	0.010	0.8	40.0	
	9 Methylene chloride	1.243	1.308	0.010	5.3	40.0	
	10 Acrylonitrile	0.461	0.453	0.010	1.7	40.0	
	11 1,2-Trans-dichloroethylene	1.192	1.298	0.010	8.8	40.0	
	12 1,1-Dichloroethane	2.277	2.496	0.300	9.6	40.0	
	13 1,2-cis-Dichloroethylene	1.235	1.322	0.010	7.0	40.0	
	14 Methyl ethyl ketone	0.064	0.059	0.010	7.0	40.0	
	16 Chloroform	2.799	2.926	0.010	4.5	25.0	
	17 1,1,1-Trichloroethane	0.565	0.600	0.010	6.3	40.0	
	18 Carbon tetrachloride	0.543	0.536	0.010	1.4	40.0	
$	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.871	0.010	22.8	40.0	
	20 Benzene	0.861	0.846	0.010	1.8	40.0	
	21 1,2-Dichloroethane	1.972	2.177	0.010	10.4	40.0	
	23 Trichloroethylene	0.453	0.377	0.010	16.7	40.0	
	24 1,2-Dichloropropane	0.415	0.384	0.010	7.4	25.0	
	25 Dichlorobromomethane	0.688	0.670	0.010	2.6	40.0	
	26 2-Chloroethylvinyl ether	0.258	0.230	0.010	11.0	40.0	
	27 cis-1,3-Dichloropropylene	0.555	0.507	0.010	8.5	40.0	
	28 Methyl-iso-butyl ketone	1.026	1.014	0.010	1.2	40.0	
$	29 Toluene-D8 (SURR)	1.094	1.151	0.010	5.2	40.0	
	30 Toluene	0.771	0.769	0.010	0.3	25.0	
	31 trans-1,3-Dichloropropylene	0.495	0.458	0.010	7.6	40.0	
	32 1,1,2-Trichloroethane	0.394	0.350	0.010	11.1	40.0	
	33 Tetrachloroethylene	0.540	0.530	0.010	1.8	40.0	
	34 2-Hexanone	0.776	0.790	0.010	1.9	40.0	
	35 Chlorodibromomethane	0.618	0.598	0.010	3.2	40.0	
	37 Chlorobenzene	1.060	1.041	0.300	1.8	40.0	
	38 Ethylbenzene	0.473	0.464	0.010	1.8	25.0	
	39 m+p-Xylenes	0.580	0.569	0.010	1.9	40.0	
	40 o-Xylene	0.595	0.578	0.010	3.0	40.0	
	41 Styrene	0.957	0.910	0.010	4.9	40.0	
	42 Bromoform	0.565	0.519	0.300	8.3	40.0	
$	43 Bromofluorobenzene (SURR)	0.843	0.933	0.010	10.7	40.0	

Data File: /chem/aux/msc.i/c121894.b/c0632.d
Report Date: 18-Dec-1994 15:19

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-DEC-94 14:47
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121894.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	1.076	0.300	3.3	40.0
45 1,3-Dichlorobenzene	0.957	0.985	0.010	2.9	40.0
46 1,4-Dichlorobenzene	1.116	1.153	0.010	3.4	40.0
47 1,2-Dichlorobenzene	0.963	0.949	0.010	1.5	40.0

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Lab File ID (Standard): C0609 Date Analyzed: 12/17/94

Instrument ID: MSC.I Time Analyzed: 19:37

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	138347	9.33	544612	11.27	397579	17.49
	UPPER LIMIT	276694	9.83	1089224	11.77	795158	17.99
	LOWER LIMIT	69173	8.83	272306	10.77	198789	16.99
	EPA SAMPLE NO.						
01	CCJ-DO-01	60575 *	9.34	153388 *	11.29	57594 *	17.50
02	VBLK01	135326	9.33	526110	11.28	387194	17.50
03	AC155-1BR	96639	9.33	386072	11.28	270515	17.50
04							
05							
06							
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20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N3V140J9

Lab File ID (Standard): C0632 Date Analyzed: 12/18/94

Instrument ID: MSC.E Time Analyzed: 14:47

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	166284		9.36		633992		11.30		445634		17.52	
	UPPER LIMIT	332568		9.86		1267984		11.80		891268		18.02	
	LOWER LIMIT	83142		8.86		316996		10.80		222817		17.02	
	EPA SAMPLE NO.												
01	VSPK	145188		9.36		591333		11.30		437172		17.50	
02	A0155-8 BMS	109769		9.33		447970		11.26		316667		17.48	
03	A0155-18 BMSD	115136		9.32		466895		11.27		330493		17.48	
04	CLJ-DD-01 Bms	63401	*	9.32		163232	*	11.29		54534	*	17.50	
05													
06													
07													
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19													
20													
21													
22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: N2V4099V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0618

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. _____ Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	Methyl-iso-butyl ketone	10	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethylene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
156-60-5	1,2-Trans-dichloroethylene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15226N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: N2V4099V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0618

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. _____ Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /chem/aux/msc.i/c1217a94.b/c0618.d

Date : 18-DEC-94 00:46

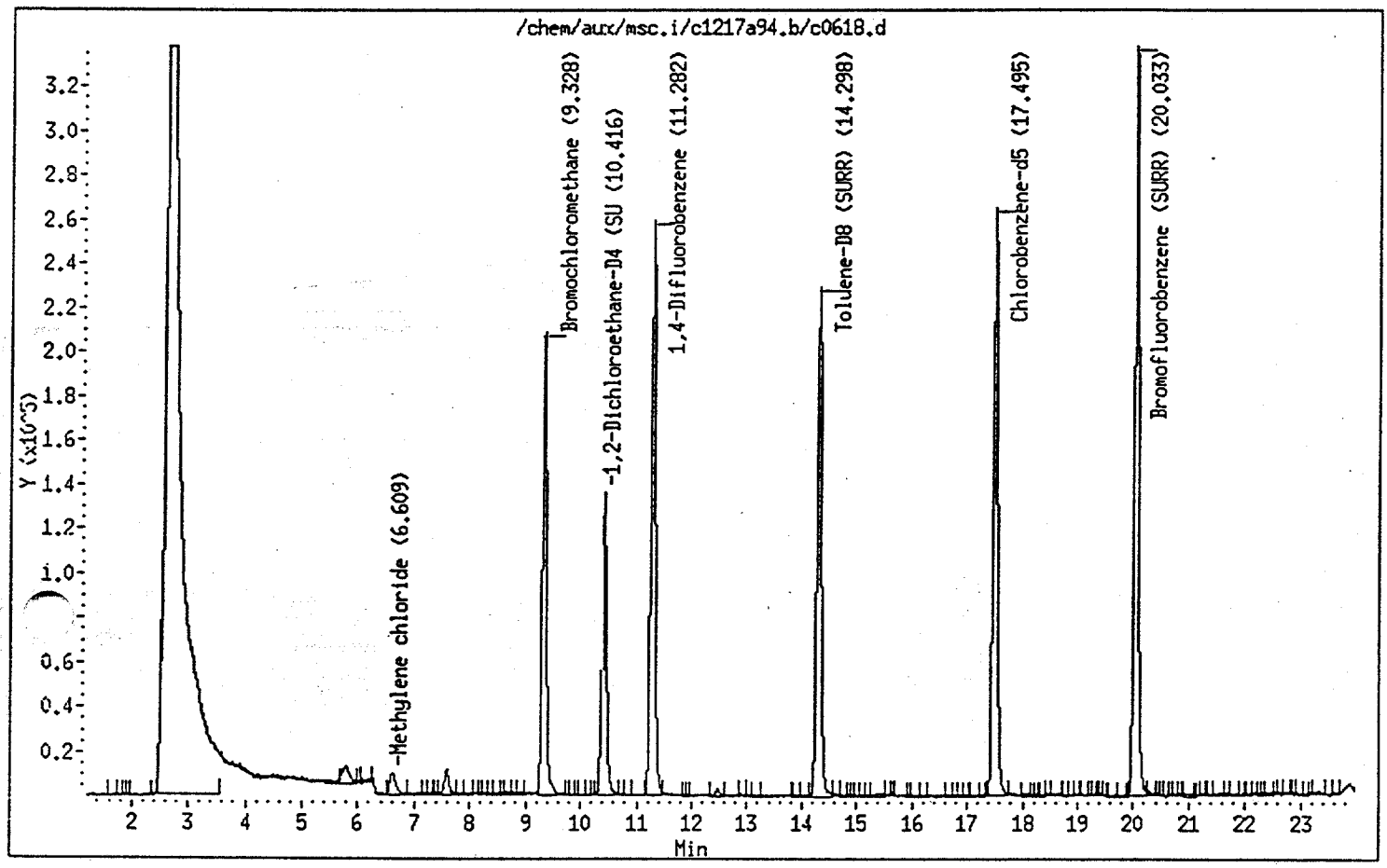
Instrument : msc.i

Sample ID : n2v4099v

Column phase : J&W DB_624

Column diameter : 0.53

Volume Injected (uL) : 0.0



Data File: /chem/aux/msc.i/c1217a94.b/c0618.d
Report Date: 18-Dec-1994 12:44

OK

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c1217a94.b/c0618.d
Lab. Id. : Quant Type: ISTD
Inj Date : 18-DEC-94 00:46 Autotune Date: {
Operator : jk Inst ID: msc.i
Smp Info : met blk
Misc Info : n2v4099v,n2v4099,s:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c1217a94.b/8240heatc.m
Meth Date : 18-Dec-1994 12:41 jeff
Cal Date : 17-DEC-94 19:37 Cal File: c0609.d
Als bottle: 11
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Methylene chloride	84.00	6.609	(0.709)	15723	4.45	4.45(aQ)
*	Bromochloromethane	128.00	9.328	(1.000)	135326	50.0	
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.416	(1.117)	253891	50.8	50.8
*	22 1,4-Difluorobenzene	114.00	11.282	(1.000)	526110	50.0	
$	29 Toluene-D8 (SURR)	98.00	14.306	(0.817)	424772	47.6	47.6
*	36 Chlorobenzene-d5	117.00	17.503	(1.000)	387194	50.0	
$	43 Bromofluorobenzene (SURR)	95.00	20.041	(1.145)	355239	48.2	48.2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c1217a94.b/c0618.d

Date : 18-DEC-94 00:46

Instrument : msc.i

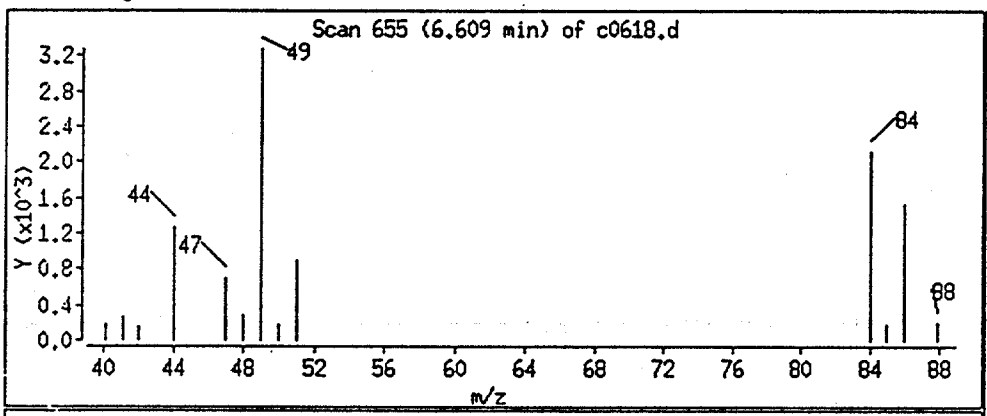
Sample ID : n2v4099v

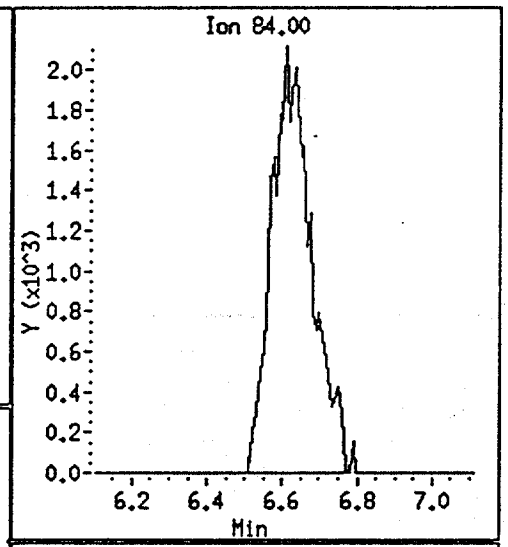
Column phase : J&W DB_624

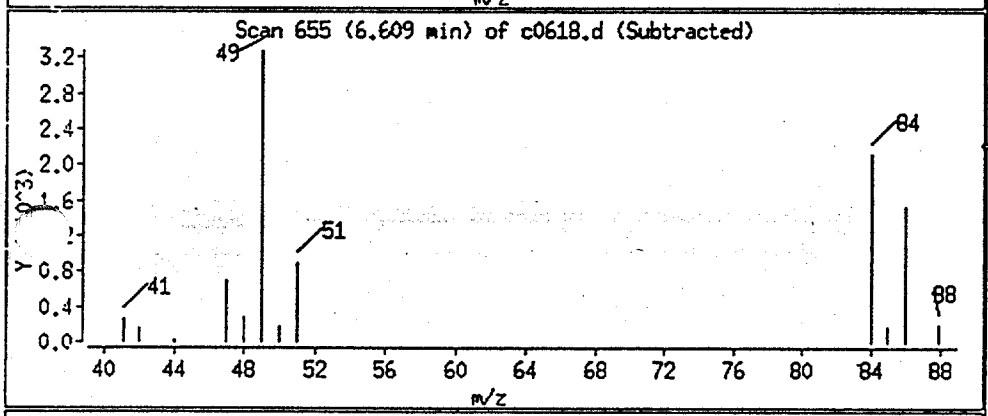
Column diameter : 0.53

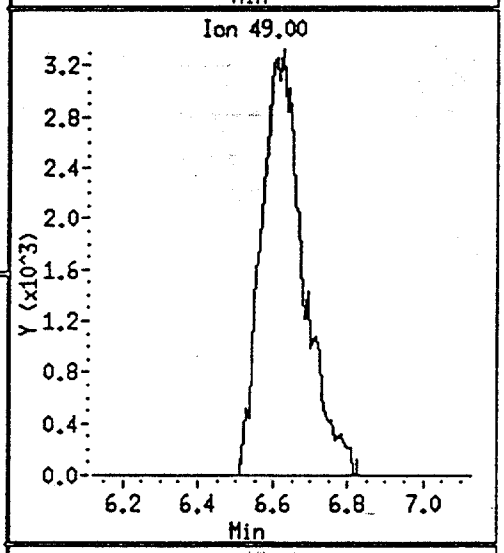
Volume Injected (uL) : 0.0

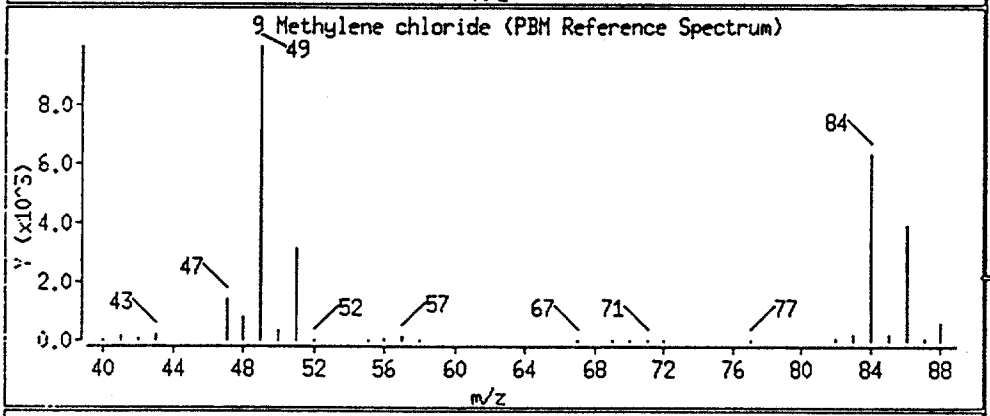
9 Methylene chloride

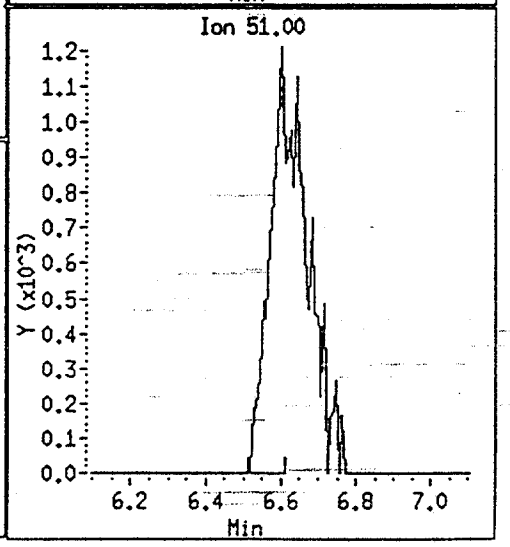


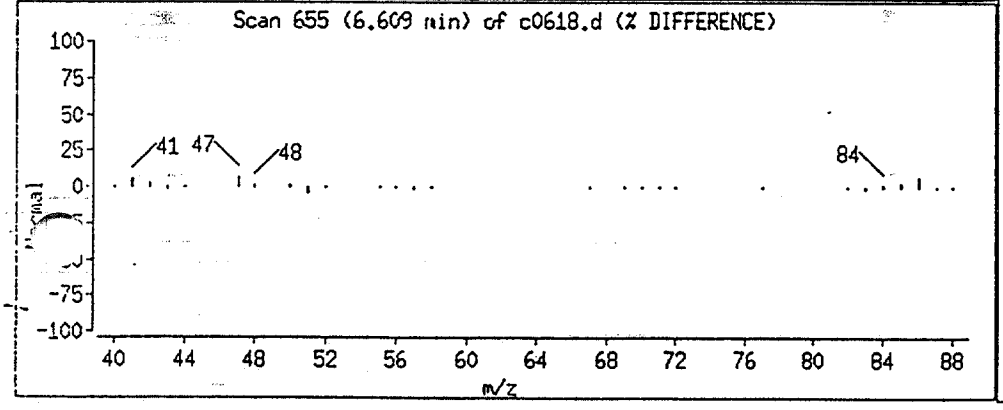












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0052 EPA SAMPLE NO.

A01SS-18B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: ~~15629N~~ 15236V SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5853V

Sample wt/vol: 5.05 (g/mL) G Lab File ID: C0612

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 18 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	6	U
74-83-9	Bromomethane	6	U
75-01-4	Vinyl Chloride	6	U
75-00-3	Chloroethane	6	U
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	Methyl-iso-butyl ketone	12	U
591-78-6	2-Hexanone	6	U
127-18-4	Tetrachloroethylene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U
156-60-5	1,2-Trans-dichloroethylene	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0053 EPA SAMPLE NO.

A01SS-18B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: ~~15629N~~ 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5853V

Sample wt/vol: 5.05 (g/mL) G Lab File ID: C0612

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 18 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.77	28	JN

Data File: /chem/aux/msc.i/c1217a94.b/c0612.d

Date : 17-DEC-94 21:18

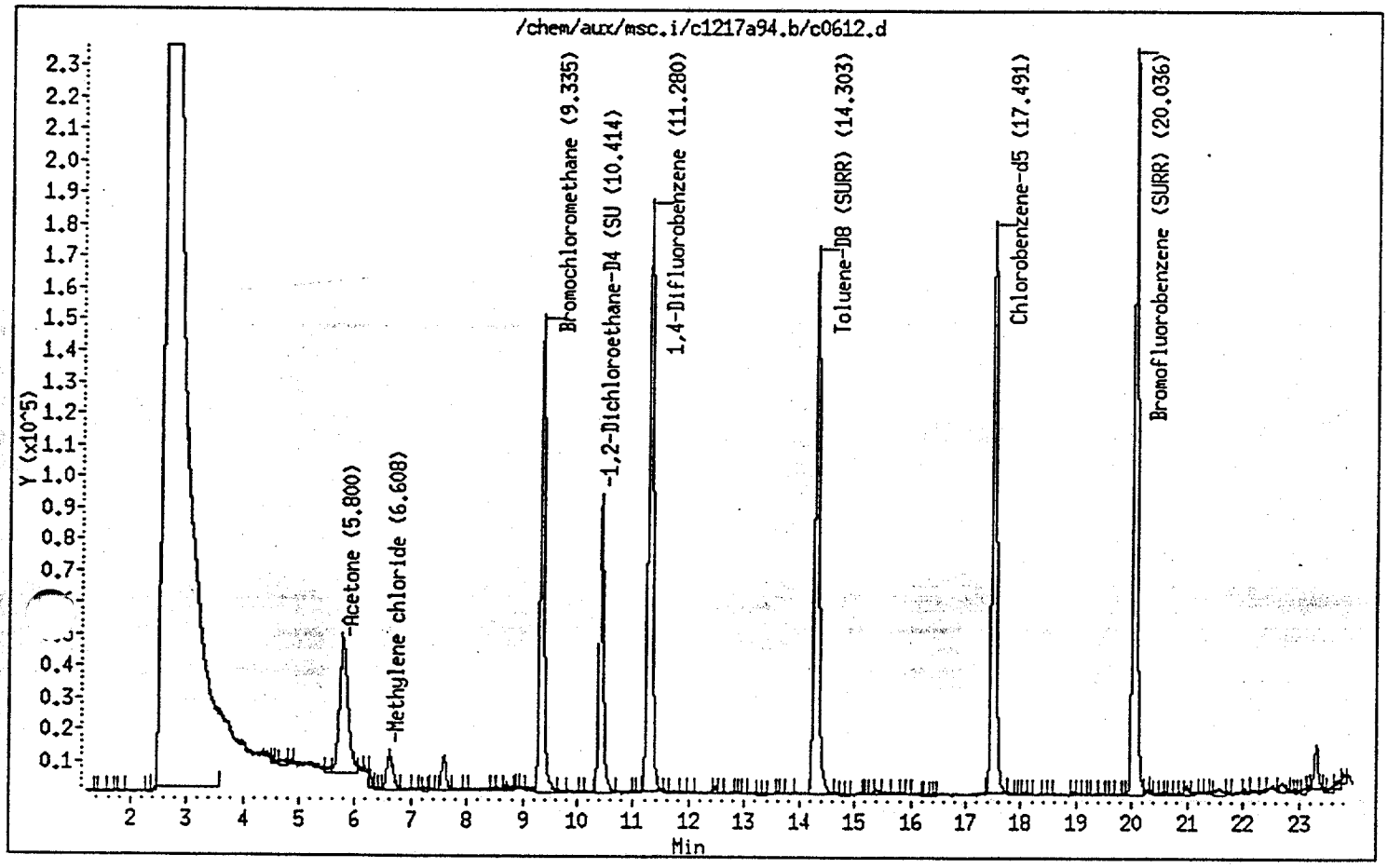
Instrument : msc.i

Sample ID : 15629n a01ss-18b

Column phase : J&W DB_624

Column diameter : 0.53

Volume Injected (uL) : 0.0



OK

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c1217a94.b/c0612.d
Lab. Id. : Quant Type: ISTD
Inj Date : 17-DEC-94 21:18 Autotune Date: {
Operator : jk Inst ID: msc.i
Smp Info : 15629n a01ss-18b
Misc Info : jn5853v,n2v4099,s:m2,5.05,5.00:1,
Comment :
Method : /chem/aux/msc.i/c1217a94.b/8240heatc.m
Meth Date : 18-Dec-1994 12:41 jeff
Cal Date : 17-DEC-94 19:37 Cal File: c0609.d
Als bottle: 5
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Acetone	43.00	5.800	(0.621)	11285	7.48	7.48(a)
	Methylene chloride	84.00	6.608	(0.708)	17332	6.86	6.86
* 15	Bromochloromethane	128.00	9.335	(1.000)	96639	50.0	
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.414	(1.116)	175734	49.2	49.2
* 22	1,4-Difluorobenzene	114.00	11.280	(1.000)	388072	50.0	
$ 29	Toluene-D8 (SURR)	98.00	14.295	(0.817)	321165	51.5	51.5
* 36	Chlorobenzene-d5	117.00	17.499	(1.000)	270515	50.0	
$ 43	Bromofluorobenzene (SURR)	95.00	20.028	(1.145)	249783	48.6	48.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/aux/msc.i/c1217a94.b/c0612.d

Date : 17-DEC-94 21:18

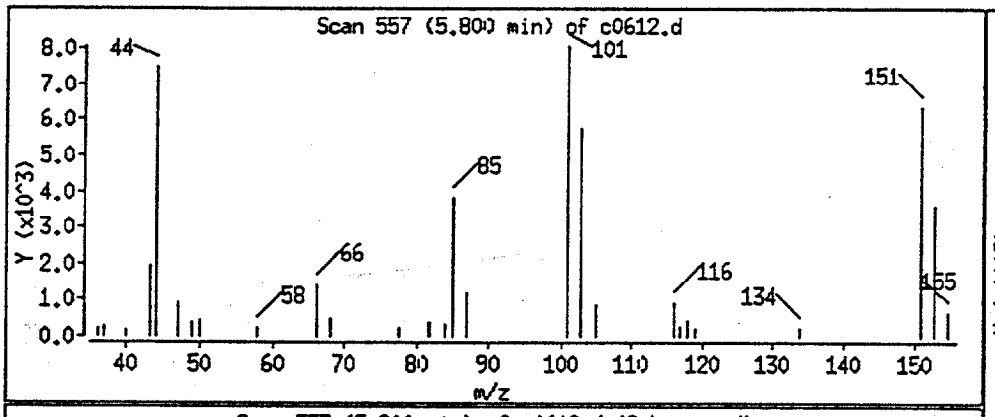
Instrument : msc.i

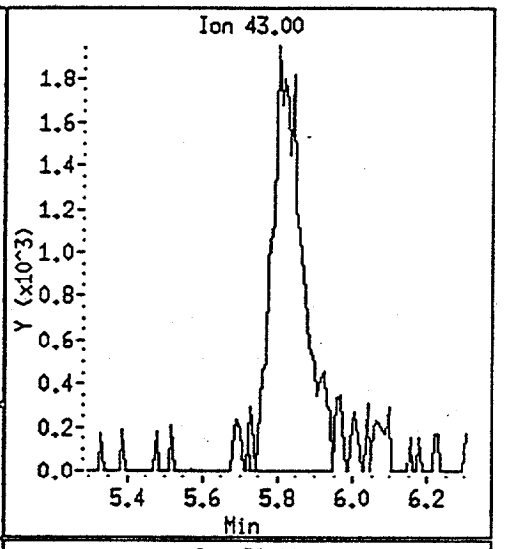
Sample ID : 15629n a01ss-18b

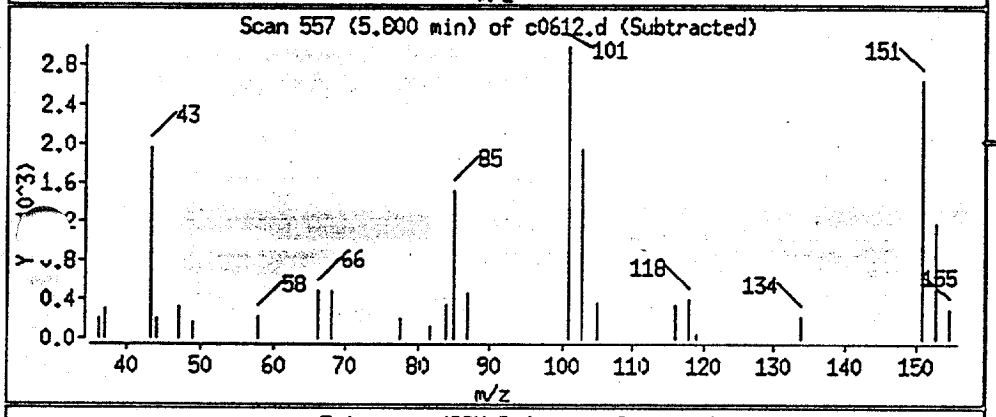
Column phase : J&W DB_624 Column diameter : 0.53

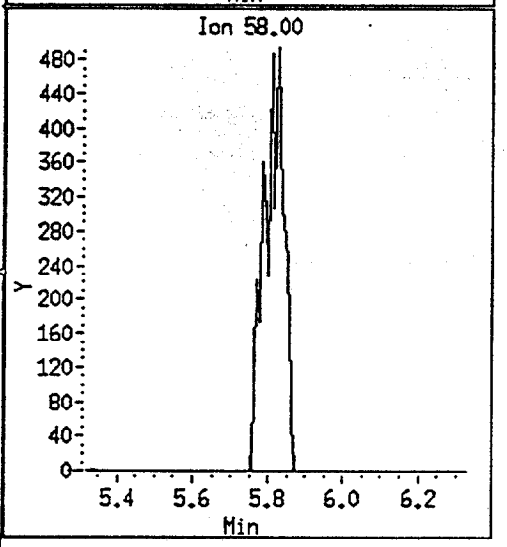
Volume Injected (uL) : 0.0

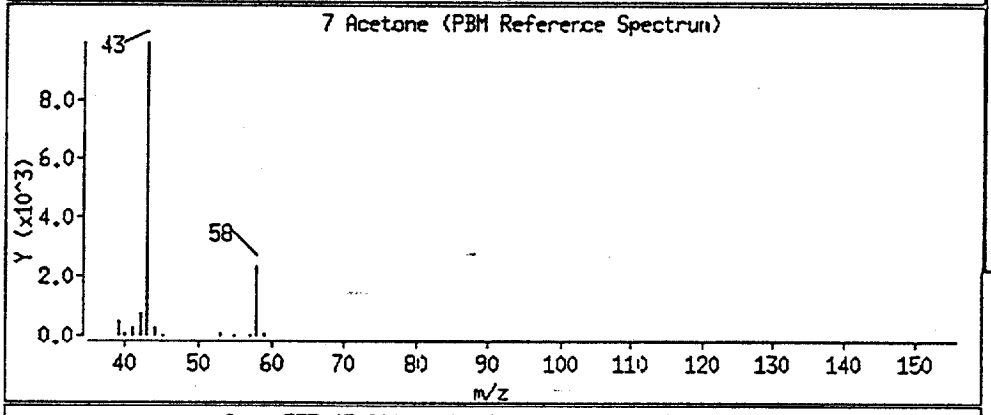
7 Acetone

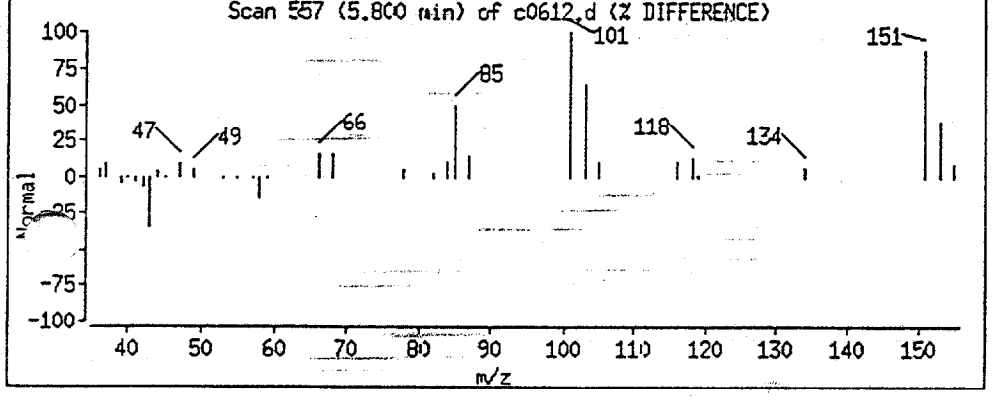












Data File: /chem/aux/msc.i/c1217a94.b/c0612.d

Date : 17-DEC-94 21:18

Instrument : msc.i

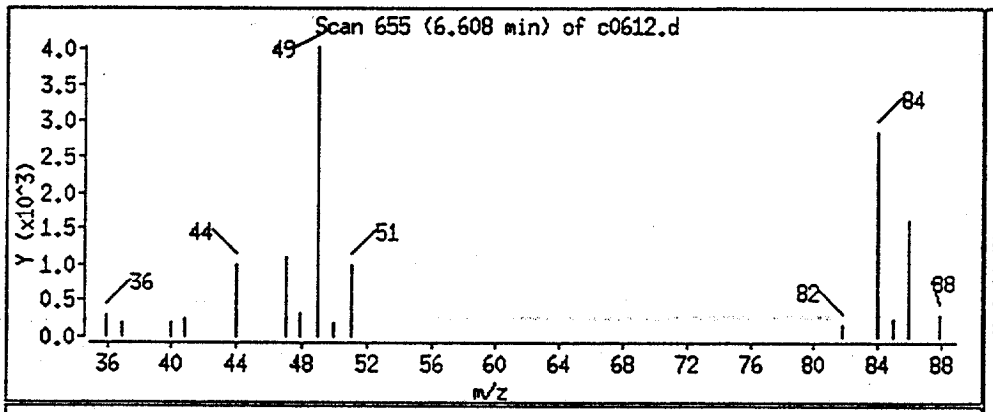
Sample ID : 15629n a01ss-18b

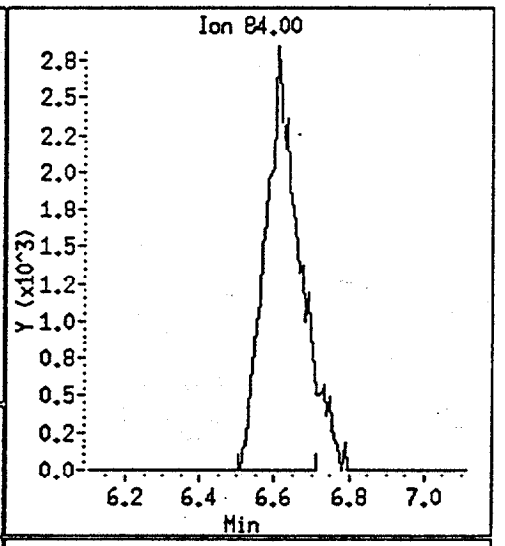
Column phase : J&W DB_624

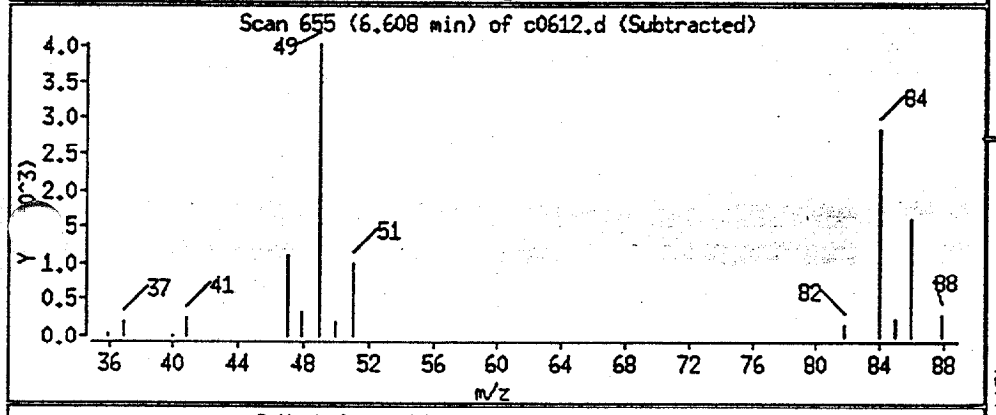
Column diameter : 0.53

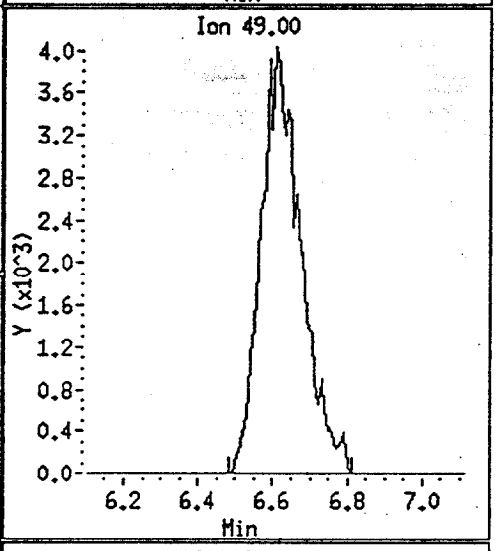
Volume Injected (uL) : 0.0

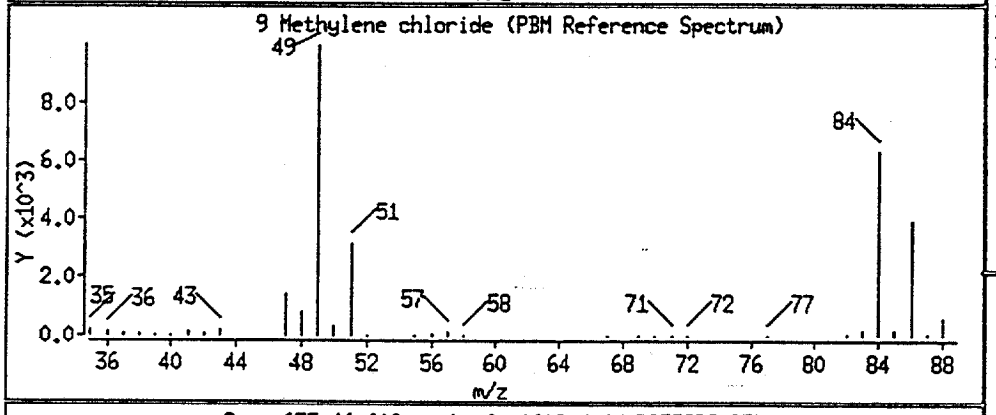
9 Methylene chloride

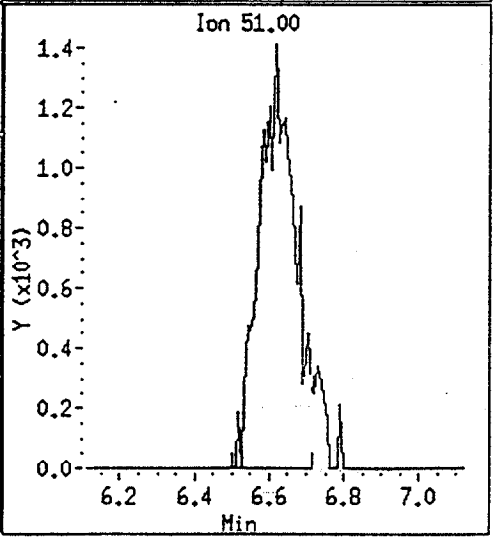


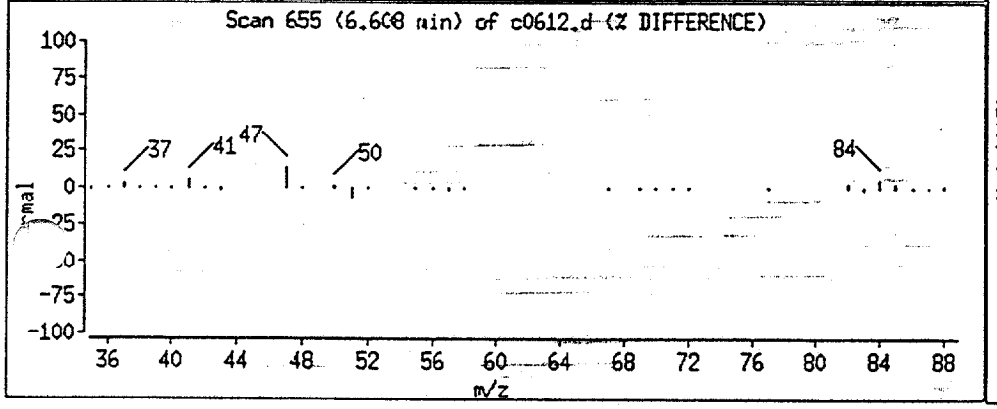






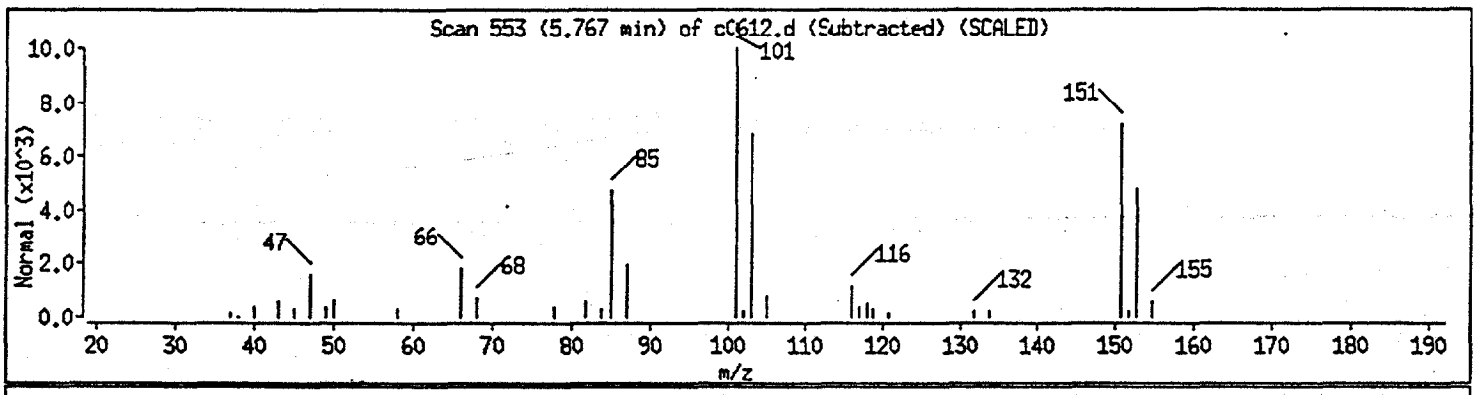


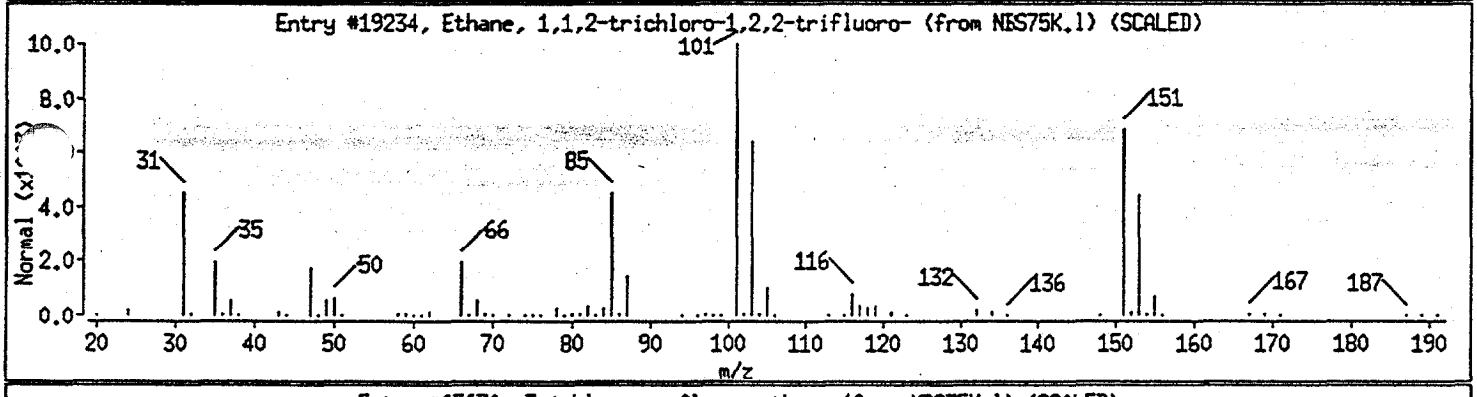


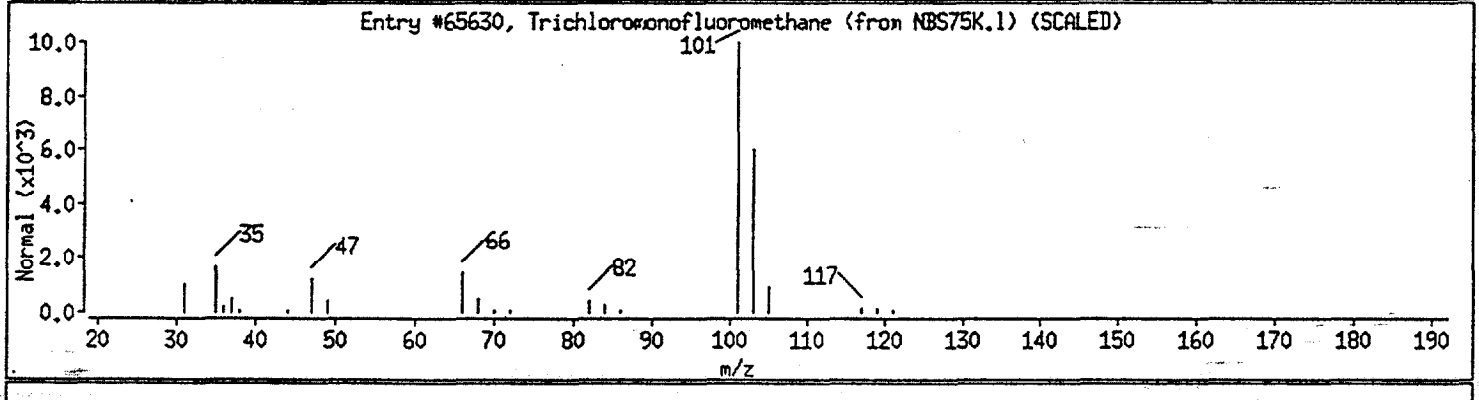


Data File: /chem/aux/msc.i/c1217a94.b/c0612.d
Date : 17-DEC-94 21:18
Instrument : msc.i
Sample ID : 15629n a01ss-18b
Column phase : J&W DB_624
Column diameter : 0.53
Volume Injected (uL) : 0.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	NBS75K.l	19234	91
Trichloromonofluoromethane	75-69-4	NBS75K.l	65630	38







1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0059 EPA SAMPLE NO.

A01SS-18BMS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: NJV4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5853VS

Sample wt/vol: 4.25 (g/mL) G Lab File ID: C0640

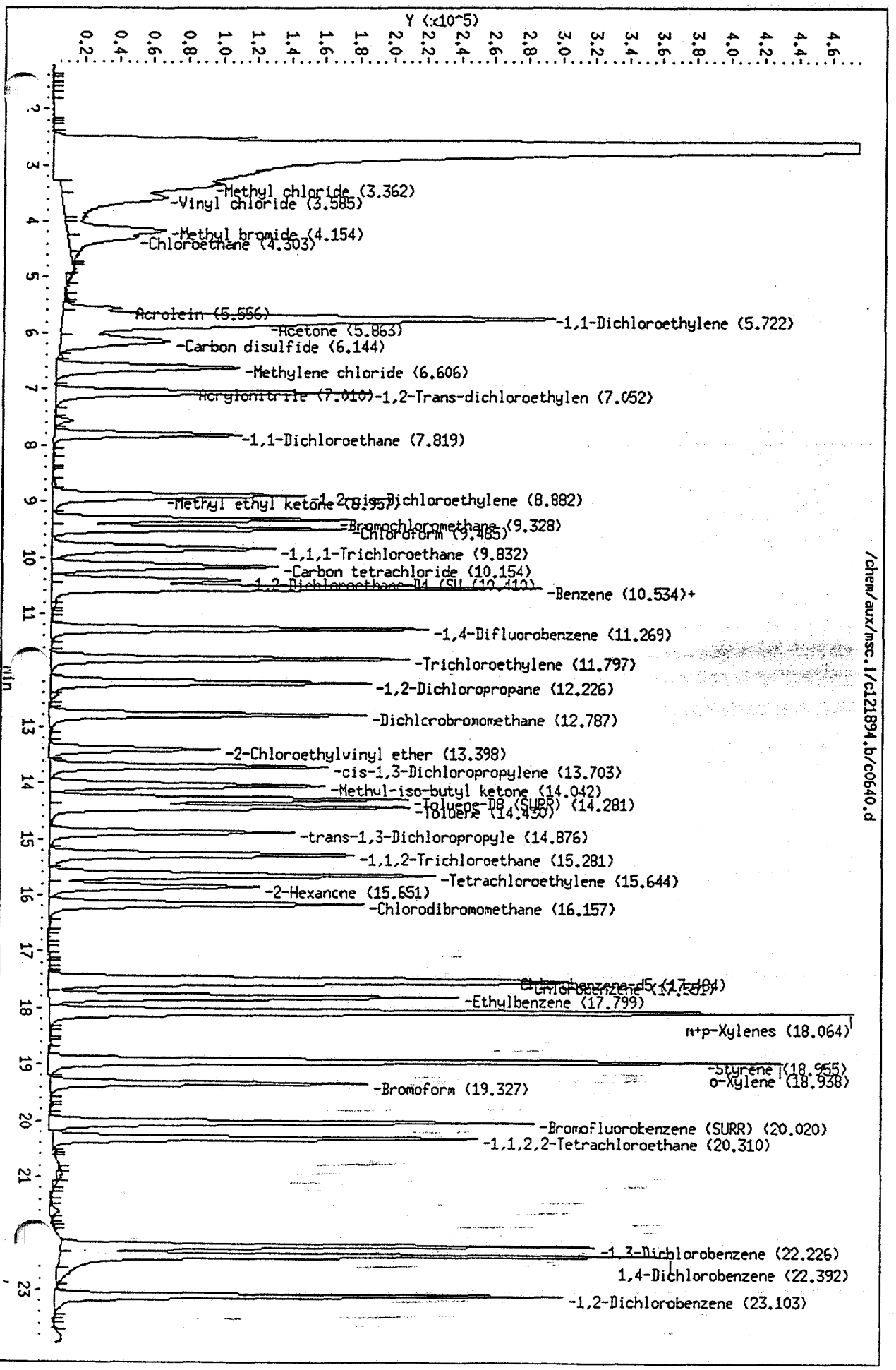
Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 18 Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	84	
74-83-9	Bromomethane	70	
75-01-4	Vinyl Chloride	74	
75-00-3	Chloroethane	70	
75-09-2	Methylene Chloride	72	B
67-64-1	Acetone	84	
75-15-0	Carbon Disulfide	71	
75-35-4	1,1-Dichloroethene	68	
75-34-3	1,1-Dichloroethane	63	
67-66-3	Chloroform	62	
107-06-2	1,2-Dichloroethane	62	
78-93-3	2-Butanone	71	
71-55-6	1,1,1-Trichloroethane	59	
56-23-5	Carbon Tetrachloride	59	
75-27-4	Bromodichloromethane	63	
78-87-5	1,2-Dichloropropane	67	
10061-01-5	cis-1,3-Dichloropropene	62	
79-01-6	Trichloroethene	64	
124-48-1	Dibromochloromethane	58	
79-00-5	1,1,2-Trichloroethane	60	
71-43-2	Benzene	62	
10061-02-6	trans-1,3-Dichloropropene	59	
75-25-2	Bromoform	58	
108-10-1	Methyl-iso-butyl ketone	72	
591-78-6	2-Hexanone	71	
127-18-4	Tetrachloroethylene	59	
79-34-5	1,1,2,2-Tetrachloroethane	65	
108-88-3	Toluene	63	
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	60	
100-42-5	Styrene	56	
1330-20-7	Xylene (total)	180	
156-60-5	1,2-Trans-dichloroethylene	67	



Data File: /chem/aux/msc.i/c121894.b/c0640.d
Date : 18-DEC-94 19:27
Instrument : msc.i
Sample ID : 15629n a01ss-18bms
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c121894.b/c0640.d
Report Date: 19-Dec-1994 07:10

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c121894.b/c0640.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-DEC-94 19:27
Autotune Date: (
Operator : jk
Inst ID: msc.i
Smp Info : 15629n a01ss-18b ms
Misc Info : jn5853vs,n2v4099,s:m2,5.16,5.00:1,
Comment :
Method : /chem/aux/msc.i/c121894.b/8240heatc.m
Meth Date : 19-Dec-1994 07:07 jeff
Cal Date : 18-DEC-94 14:47
Cal File: c0632.d
Als bottle: 9
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.362	(0.360)	113609	71.0	71.0
	2 Vinyl chloride	62.00	3.585	(0.384)	159457	63.3	63.3
	3 Methyl bromide	94.00	4.154	(0.445)	156439	59.2	59.2
	4 Chloroethane	64.00	4.303	(0.461)	84722	59.6	59.6
	5 Acrolein	56.00	5.548	(0.595)	98649	181	181(Q)
	6 1,1-Dichloroethylene	96.00	5.722	(0.613)	156165	58.2	58.2
	7 Acetone	43.00	5.863	(0.628)	96890	71.1	71.1(a)
	8 Carbon disulfide	76.00	6.144	(0.659)	385931	60.3	60.3
	9 Methylene chloride	84.00	6.614	(0.709)	176224	61.4	61.4
	10 Acrylonitrile	53.00	7.010	(0.752)	63893	64.3	64.3(a)
	11 1,2-Trans-dichloroethylene	96.00	7.052	(0.756)	161529	56.7	56.7
	12 1,1-Dichloroethane	63.00	7.819	(0.838)	292051	53.3	53.3
	13 1,2-cis-Dichloroethylene	96.00	8.882	(0.952)	151309	52.1	52.1
	14 Methyl ethyl ketone	72.00	8.957	(0.795)	31886	60.1	60.1(a)
*	15 Bromochloromethane	128.00	9.328	(1.000)	109769	50.0	
	16 Chloroform	83.00	9.477	(1.016)	336663	52.4	52.4
	17 1,1,1-Trichloroethane	97.00	9.832	(0.873)	268328	49.9	49.9
	18 Carbon tetrachloride	117.00	10.154	(0.902)	238891	49.8	49.8
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.410	(1.116)	201170	49.0	49.0
	20 Benzene	78.00	10.526	(0.935)	396635	52.3	52.3
	21 1,2-Dichloroethane	62.00	10.542	(1.130)	251685	52.6	52.6
*	22 1,4-Difluorobenzene	114.00	11.260	(1.000)	447970	50.0	
	23 Trichloroethylene	130.00	11.797	(1.048)	182363	54.0	54.0
	24 1,2-Dichloropropane	63.00	12.218	(1.085)	196842	57.2	57.2
	25 Dichlorobromomethane	83.00	12.787	(1.136)	320986	53.5	53.5
	27 2-Chloroethylvinyl ether	63.00	13.398	(1.190)	117093	56.9	56.9
	cis-1,3-Dichloropropylene	75.00	13.703	(1.217)	241428	53.1	53.1
	28 Methyl-iso-butyl ketone	43.00	14.042	(0.803)	390301	60.8	60.8
$	29 Toluene-D8 (SURR)	98.00	14.281	(0.817)	384184	52.7	52.7

Data File: /chem/aux/msc.i/c121894.b/c0640.d
Report Date: 19-Dec-1994 07:10

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.430	(0.825)	259509	53.3	53.3
	31 trans-1,3-Dichloropropylene	75.00	14.884	(1.322)	205578	50.1	50.1
	32 1,1,2-Trichloroethane	97.00	15.272	(1.356)	160137	51.1	51.1
	33 Tetrachloroethylene	164.00	15.636	(0.894)	168911	50.3	50.3
	34 2-Hexanone	43.00	15.843	(0.906)	301061	60.2	60.2
	35 Chlorodibromomethane	129.00	16.157	(1.435)	262056	48.9	48.9
*	36 Chlorobenzene-d5	117.00	17.484	(1.000)	316667	50.0	
	37 Chlorobenzene	112.00	17.551	(1.004)	336393	51.0	51.0
	38 Ethylbenzene	106.00	17.799	(1.018)	151306	51.4	51.4
	39 m+p-Xylenes	106.00	18.055	(1.033)	362244	100	100
	40 o-Xylene	106.00	18.930	(1.083)	189206	51.6	51.6
	41 Styrene	104.00	18.955	(1.084)	276662	48.0	48.0
	42 Bromoform	173.00	19.327	(1.716)	230317	49.6	49.6
$	43 Bromofluorobenzene (SURR)	95.00	20.020	(1.145)	312850	52.9	52.9
	44 1,1,2,2-Tetrachloroethane	83.00	20.302	(1.161)	374445	54.9	54.9
	45 1,3-Dichlorobenzene	146.00	22.226	(1.271)	313211	50.2	50.2
	46 1,4-Dichlorobenzene	146.00	22.392	(1.281)	366835	50.2	50.2
	47 1,2-Dichlorobenzene	146.00	23.103	(1.321)	291395	48.5	48.5

Q Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0063 EPA SAMPLE NO.

A01SS-18BMSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5853VR

Sample wt/vol: 4.24 (g/mL) G Lab File ID: C0641

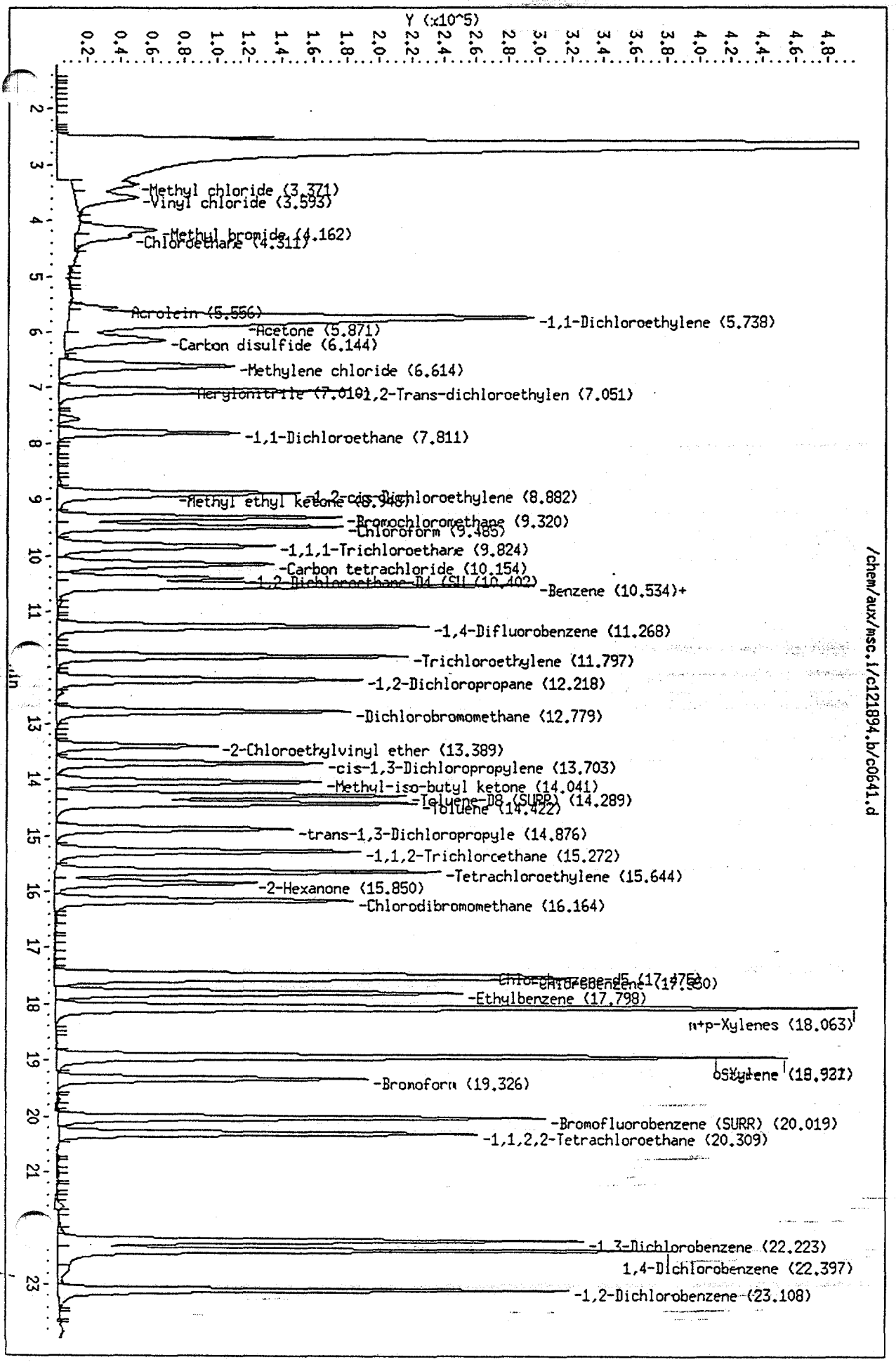
Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 18 Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	74	
74-83-9	Bromomethane	65	
75-01-4	Vinyl Chloride	71	
75-00-3	Chloroethane	69	
75-09-2	Methylene Chloride	68	B
67-64-1	Acetone	75	
75-15-0	Carbon Disulfide	68	
75-35-4	1,1-Dichloroethene	65	J
75-34-3	1,1-Dichloroethane	62	
67-66-3	Chloroform	62	
107-06-2	1,2-Dichloroethane	62	
78-93-3	2-Butanone	67	
71-55-6	1,1,1-Trichloroethane	58	
56-23-5	Carbon Tetrachloride	58	
75-27-4	Bromodichloromethane	61	
78-87-5	1,2-Dichloropropane	67	
10061-01-5	cis-1,3-Dichloropropene	61	
79-01-6	Trichloroethene	64	J
124-48-1	Dibromochloromethane	56	
79-00-5	1,1,2-Trichloroethane	61	
71-43-2	Benzene	61	J
10061-02-6	trans-1,3-Dichloropropene	60	
75-25-2	Bromoform	59	
108-10-1	Methyl-iso-butyl ketone	70	
591-78-6	2-Hexanone	69	
127-18-4	Tetrachloroethylene	58	
79-34-5	1,1,2,2-Tetrachloroethane	64	
108-88-3	Toluene	62	J
108-90-7	Chlorobenzene	60	J
100-41-4	Ethylbenzene	61	
100-42-5	Styrene	54	
1330-20-7	Xylene (total)	180	
156-60-5	1,2-Trans-dichloroethylene	62	



Data File: /chem/aux/msc.i/c121894.b/c0641.d
Date : 18-DEC-94 20:03
Instrument : msc.i
Sample ID : 15629n a01ss-18bmsd
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c121894.b/c0641.d
Report Date: 19-Dec-1994 07:10

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c121894.b/c0641.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 18-DEC-94 20:03
Autotune Date: (
Operator : jk
Inst ID: msc.i
Smp Info : 15629n a01ss-18b msd
Misc Info : jn5853vr,n2v4099,s:m2,5.14,5.00:1,
Comment :
Method : /chem/aux/msc.i/c121894.b/8240heatc.m
Meth Date : 19-Dec-1994 07:07 jeff
Cal Date : 18-DEC-94 14:47
Cal File: c0632.d
Als bottle: 10
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.371	(0.362)	105359	62.7	62.7
	2 Vinyl chloride	62.00	3.593	(0.386)	159744	60.4	60.4
	3 Methyl bromide	94.00	4.162	(0.447)	153835	55.5	55.5
	4 Chloroethane	64.00	4.311	(0.463)	86601	58.1	58.1
	5 Acrolein	56.00	5.556	(0.596)	108457	190	190
	6 1,1-Dichloroethylene	96.00	5.730	(0.615)	155632	55.3	55.3
	7 Acetone	43.00	5.871	(0.630)	90477	63.3	63.3(a)
	8 Carbon disulfide	76.00	6.136	(0.658)	388114	57.8	57.8
	9 Methylene chloride	84.00	6.614	(0.710)	174771	58.0	58.0
	10 Acrylonitrile	53.00	7.010	(0.752)	70559	67.7	67.7(a)
	11 1,2-Trans-dichloroethylene	96.00	7.051	(0.757)	157222	52.6	52.6
	12 1,1-Dichloroethane	63.00	7.811	(0.838)	302115	52.6	52.6
	13 1,2-cis-Dichloroethylene	96.00	8.874	(0.952)	151870	49.9	49.9
	14 Methyl ethyl ketone	72.00	8.948	(0.794)	31183	56.4	56.4(aQ)
*	15 Bromochloromethane	128.00	9.320	(1.000)	115136	50.0	
	16 Chloroform	83.00	9.485	(1.018)	351759	52.2	52.2
	17 1,1,1-Trichloroethane	97.00	9.832	(0.873)	273618	48.8	48.8
	18 Carbon tetrachloride	117.00	10.146	(0.900)	246901	49.3	49.3
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.402	(1.116)	224431	52.1	52.1
	20 Benzene	78.00	10.526	(0.934)	411477	52.1	52.1
	21 1,2-Dichloroethane	62.00	10.542	(1.131)	264759	52.8	52.8
*	22 1,4-Difluorobenzene	114.00	11.268	(1.000)	466895	50.0	
	23 Trichloroethylene	130.00	11.797	(1.047)	189735	53.9	53.9
	24 1,2-Dichloropropane	63.00	12.218	(1.084)	202358	56.4	56.4
	25 Dichlorobromomethane	83.00	12.779	(1.134)	322203	51.5	51.5
	26 2-Chloroethylvinyl ether	63.00	13.389	(1.188)	123467	57.5	57.5
	27 cis-1,3-Dichloropropylene	75.00	13.703	(1.216)	246216	52.0	52.0
	28 Methyl-iso-butyl ketone	43.00	14.041	(0.803)	395288	59.0	59.0
$	29 Toluene-D8 (SURR)	98.00	14.281	(0.817)	397533	52.2	52.2

Data File: /chem/aux/msc.i/c121894.b/c0641.d
Report Date: 19-Dec-1994 07:10

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	30 Toluene	92.00	14.430	(0.826)	268382	52.8	52.8
	31 trans-1,3-Dichloropropylene	75.00	14.884	(1.321)	217562	50.9	50.9
	32 1,1,2-Trichloroethane	97.00	15.280	(1.356)	167842	51.4	51.4
	33 Tetrachloroethylene	164.00	15.636	(0.895)	173765	49.6	49.6
	34 2-Hexanone	43.00	15.850	(0.907)	303601	58.1	58.1
	35 Chlorodibromomethane	129.00	16.164	(1.434)	266270	47.7	47.7
*	36 Chlorobenzene-d5	117.00	17.475	(1.000)	330493	50.0	
	37 Chlorobenzene	112.00	17.550	(1.004)	348755	50.7	50.7
	38 Ethylbenzene	106.00	17.806	(1.019)	157828	51.4	51.4
	39 m+p-Xylenes	106.00	18.063	(1.034)	380954	101	101
	40 o-Xylene	106.00	18.921	(1.083)	196372	51.4	51.4
	41 Styrene	104.00	18.945	(1.084)	277946	46.2	46.2
	42 Bromoform	173.00	19.326	(1.715)	243290	50.2	50.2
$	43 Bromofluorobenzene (SURR)	95.00	20.019	(1.146)	325631	52.8	52.8
	44 1,1,2,2-Tetrachloroethane	83.00	20.300	(1.162)	386404	54.3	54.3
	45 1,3-Dichlorobenzene	146.00	22.231	(1.272)	320278	49.2	49.2
	46 1,4-Dichlorobenzene	146.00	22.397	(1.282)	382261	50.1	50.1
	47 1,2-Dichlorobenzene	146.00	23.108	(1.322)	308519	49.2	49.2

Q Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0067 EPA SAMPLE NO.

VSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: N2V4099VS

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0639

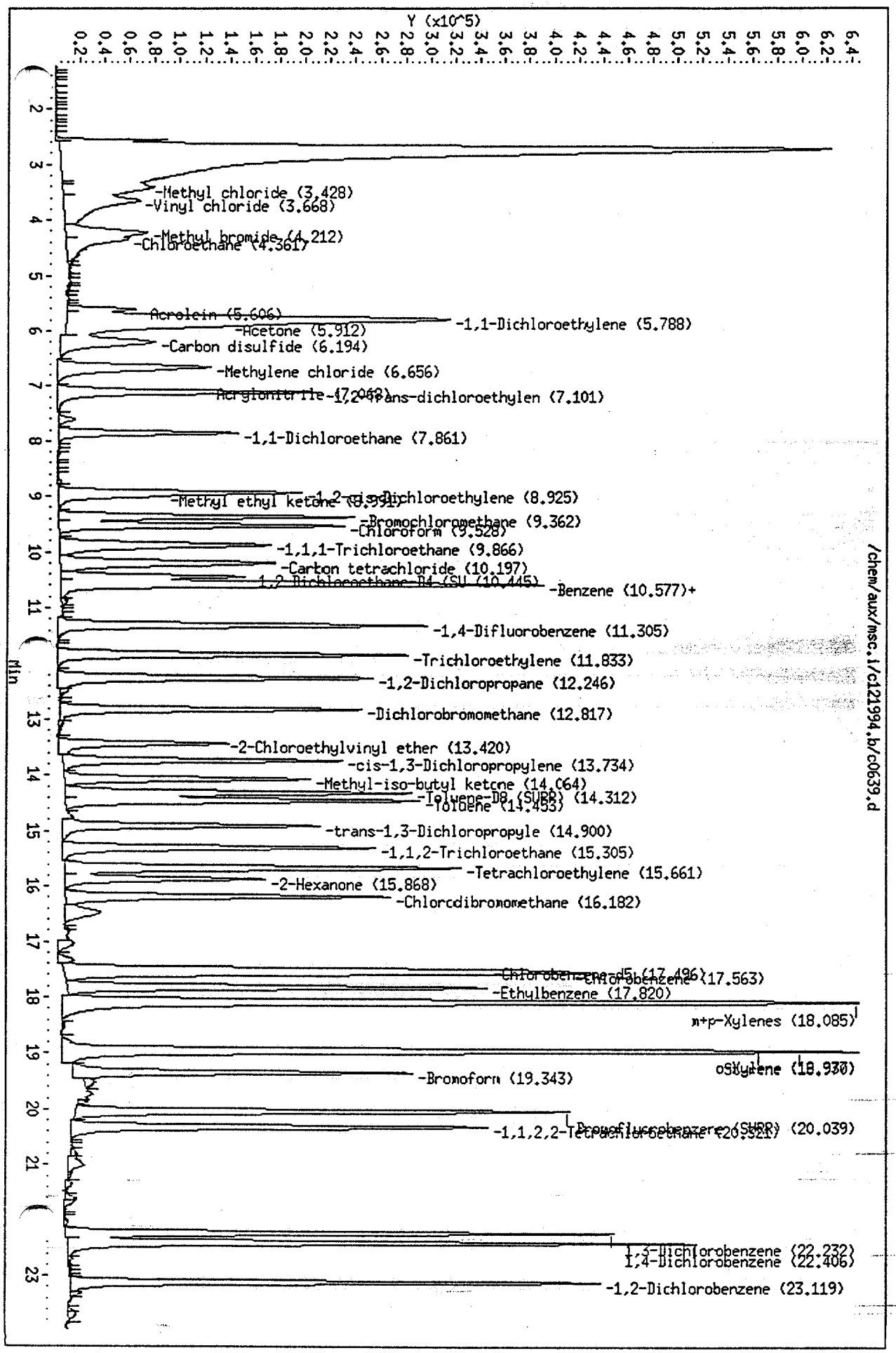
Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	59	
74-83-9	Bromomethane	52	
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	52	
75-09-2	Methylene Chloride	50	B
67-64-1	Acetone	73	
75-15-0	Carbon Disulfide	54	
75-35-4	1,1-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	52	
67-66-3	Chloroform	53	
107-06-2	1,2-Dichloroethane	55	
78-93-3	2-Butanone	50	
71-55-6	1,1,1-Trichloroethane	50	
56-23-5	Carbon Tetrachloride	50	
75-27-4	Bromodichloromethane	55	
78-87-5	1,2-Dichloropropane	58	
10061-01-5	cis-1,3-Dichloropropene	55	
79-01-6	Trichloroethene	56	
124-48-1	Dibromochloromethane	52	
79-00-5	1,1,2-Trichloroethane	52	
71-43-2	Benzene	52	
10061-02-6	trans-1,3-Dichloropropene	55	
75-25-2	Bromoform	54	
108-10-1	Methyl-iso-butyl ketone	53	
591-78-6	2-Hexanone	55	
127-18-4	Tetrachloroethylene	50	
79-34-5	1,1,2,2-Tetrachloroethane	54	
108-88-3	Toluene	52	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	52	
100-42-5	Styrene	53	
1330-20-7	Xylene (total)	150	
156-60-5	1,2-Trans-dichloroethylene	49	



Data File: /chem/aux/msc.i/c121994.b/c0639.d
Date : 18-DEC-94 18:52
Instrument : msc.i
Sample ID :
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c121894.b/c0639.d
Report Date: 19-Dec-1994 07:11

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c121894.b/c0639.d
Lab. Id. : Quant Type: ISTD
Inj Date : 18-DEC-94 18:52 Autotune Date: (
Operator : jk Inst ID: msc.i
Smp Info : met spk
Misc Info : n2v4099vs,n2v4099,s:m2,5.00,5.00:1,
Comment :
Method : /chem/aux/msc.i/c121894.b/8240heatc.m
Meth Date : 19-Dec-1994 07:07 jeff
Cal Date : 18-DEC-94 14:47 Cal File: c0632.d
Als bottle: 8
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	1 Methyl chloride	50.00	3.428	(0.366)	125438	59.2	59.2
	3 Methyl bromide	94.00	4.220	(0.451)	182305	52.2	52.2
	4 Chloroethane	64.00	4.361	(0.466)	97445	51.8	51.8
	5 Acrolein	56.00	5.606	(0.599)	197061	273	273
	6 1,1-Dichloroethylene	96.00	5.788	(0.618)	183072	51.6	51.6
	7 Acetone	43.00	5.912	(0.631)	130642	72.5	72.5(a)
	8 Carbon disulfide	76.00	6.202	(0.662)	454068	53.6	53.6
	9 Methylene chloride	84.00	6.664	(0.712)	190538	50.2	50.2
	10 Acrylonitrile	53.00	7.068	(0.755)	71896	54.7	54.7(a)
	11 1,2-Trans-dichloroethylene	96.00	7.110	(0.759)	185869	49.3	49.3
	12 1,1-Dichloroethane	63.00	7.861	(0.840)	378346	52.2	52.2
	13 1,2-cis-Dichloroethylene	96.00	8.925	(0.953)	196563	51.2	51.2
	14 Methyl ethyl ketone	72.00	8.991	(0.795)	35096	50.1	50.1(a)
*	15 Bromochloromethane	128.00	9.362	(1.000)	145188	50.0	
	16 Chloroform	83.00	9.519	(1.017)	449367	52.9	52.9
	17 1,1,1-Trichloroethane	97.00	9.866	(0.873)	352143	49.6	49.6
	18 Carbon tetrachloride	117.00	10.197	(0.902)	317243	50.0	50.0
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.445	(1.116)	268019	49.3	49.3
	20 Benzene	78.00	10.569	(0.935)	515541	51.5	51.5
	21 1,2-Dichloroethane	62.00	10.586	(1.131)	346024	54.7	54.7
*	22 1,4-Difluorobenzene	114.00	11.305	(1.000)	591333	50.0	
	23 Trichloroethylene	130.00	11.833	(1.047)	249825	56.0	56.0
	24 1,2-Dichloropropane	63.00	12.246	(1.083)	262785	57.9	57.9
	25 Dichlorobromomethane	83.00	12.817	(1.134)	435284	54.9	54.9
	26 2-Chloroethylvinyl ether	63.00	13.420	(1.187)	166338	61.2	61.2
	27 cis-1,3-Dichloropropylene	75.00	13.734	(1.215)	332560	55.4	55.4
	28 Methyl-iso-butyl ketone	43.00	14.064	(0.804)	468687	52.9	52.9
$	29 Toluene-D8 (SURR)	98.00	14.312	(0.818)	507264	50.4	50.4
	30 Toluene	92.00	14.453	(0.826)	347361	51.7	51.7

Data File: /chem/aux/msc.i/c121894.b/c0639.d
Report Date: 19-Dec-1994 07:11

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	31 trans-1,3-Dichloropropylene	75.00	14.900	(1.318)	296469	54.8	54.8
	32 1,1,2-Trichloroethane	97.00	15.305	(1.354)	216331	52.3	52.3
	33 Tetrachloroethylene	164.00	15.661	(0.895)	233403	50.3	50.3
	34 2-Hexanone	43.00	15.868	(0.907)	377148	54.6	54.6
	35 Chlorodibromomethane	129.00	16.174	(1.431)	363764	51.5	51.5
*	36 Chlorobenzene-d5	117.00	17.496	(1.000)	437172	50.0	
	37 Chlorobenzene	112.00	17.563	(1.004)	467703	51.4	51.4
	38 Ethylbenzene	106.00	17.820	(1.018)	209660	51.6	51.6
	39 m+p-Xylenes	106.00	18.093	(1.034)	510064	102	102
	40 o-Xylene	106.00	18.937	(1.082)	258695	51.2	51.2
	41 Styrene	104.00	18.970	(1.084)	424490	53.3	53.3
	42 Bromoform	173.00	19.343	(1.711)	328058	53.5	53.5
$	43 Bromofluorobenzene (SURR)	95.00	20.031	(1.145)	425643	52.2	52.2
	44 1,1,2,2-Tetrachloroethane	83.00	20.321	(1.161)	503157	53.5	53.5
	45 1,3-Dichlorobenzene	146.00	22.232	(1.271)	438693	51.0	51.0
	46 1,4-Dichlorobenzene	146.00	22.406	(1.281)	512128	50.8	50.8
	47 1,2-Dichlorobenzene	146.00	23.119	(1.321)	427736	51.6	51.6

QC Flag Legend

a Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1A - 0071 EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: JN6023V

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0779

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 25

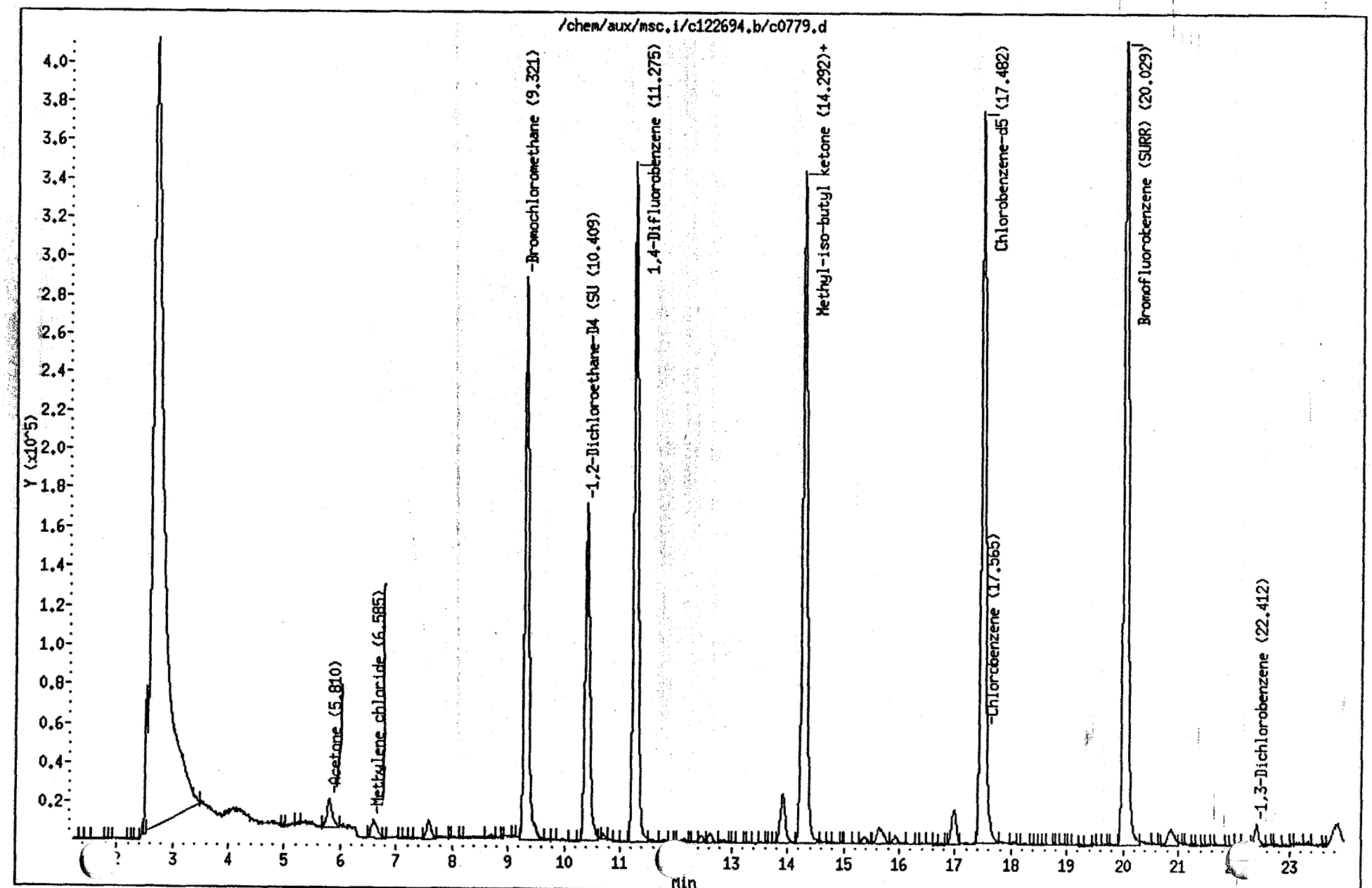
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	130	U
75-35-4	1,1-Dichloroethene	130	U
67-66-3	Chloroform	130	U
107-06-2	1,2-Dichloroethane	130	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	130	U
79-01-6	Trichloroethene	130	U
71-43-2	Benzene	130	U
127-18-4	Tetrachloroethylene	130	U
108-90-7	Chlorobenzene	38	J
106-46-7	1,4-Dichlorobenzene	130	U

0072

Data File: /chem/aux/msc.i/c122694.b/c0779.d
Date : 26-DEC-94 20:16
Instrument : msc.i
Sample ID : 15226n clj-dd-01
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53



Data File: /chem/aux/msc.i/c122694.b/c0779.d
Report Date: 27-Dec-1994 07:46

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0779.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 26-DEC-94 20:16
Autotune Date: {
Operator : jk
Inst ID: msc.i
Smp Info : 15226n clj-dd-01
Misc Info : jn6023v,n7v4112,1:m2,0.200,5.00:1, 12/16 ex
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:44 jeff
Cal Date : 26-DEC-94 16:52
Cal File: c0773.d
Als bottle: 8
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
Acetone	43.00	5.802	(0.622)	43516	33.4	33.4(a)
Methylene chloride	84.00	6.593	(0.707)	15114	3.04	3.04(aQ)
* 15 Bromochloromethane	128.00	9.321	(1.000)	199565	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.409	(1.117)	312295	53.0	53.0
* 22 1,4-Difluorobenzene	114.00	11.275	(1.000)	753301	50.0	
28 Methyl-iso-butyl ketone	43.00	14.292	(0.818)	6465	1.06	1.06(aQ) RT
$ 29 Toluene-D8 (SURR)	98.00	14.292	(0.818)	648913	47.9	47.9
* 36 Chlorobenzene-d5	117.00	17.482	(1.000)	566435	50.0	
37 Chlorobenzene	112.00	17.565	(1.005)	18668	1.52	1.52(a)
$ 43 Bromofluorobenzene (SURR)	95.00	20.021	(1.145)	480106	49.1	49.1
45 1,3-Dichlorobenzene	146.00	22.412	(1.282)	12576	1.04	1.04(a) RT

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msc.i/c122694.b/c0779.d

Date : 26-DEC-94 20:16

Instrument : msc.i

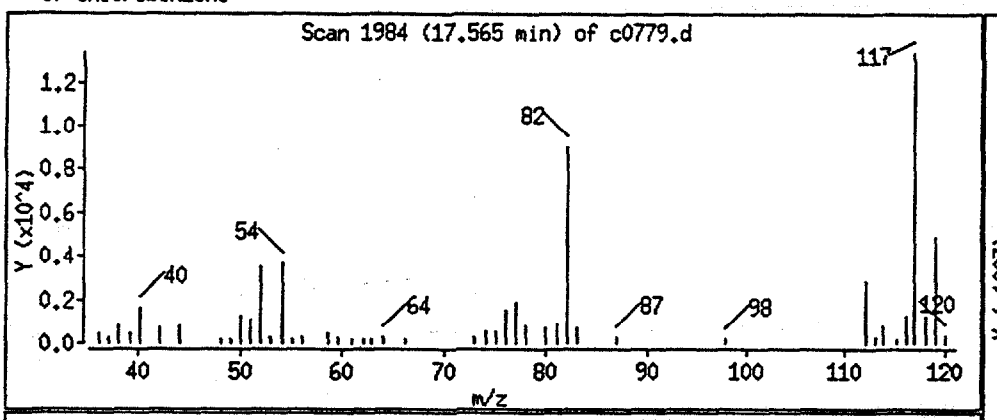
Sample ID : 15226n clj-dd-01

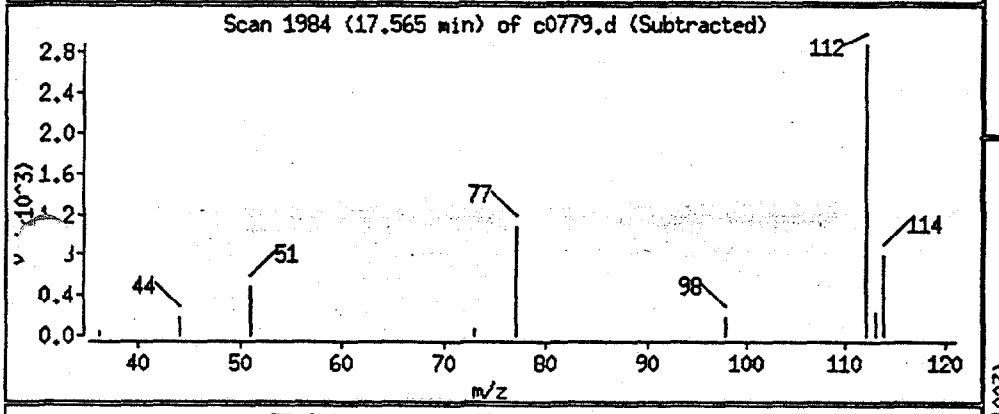
Column phase : J&W DB_624

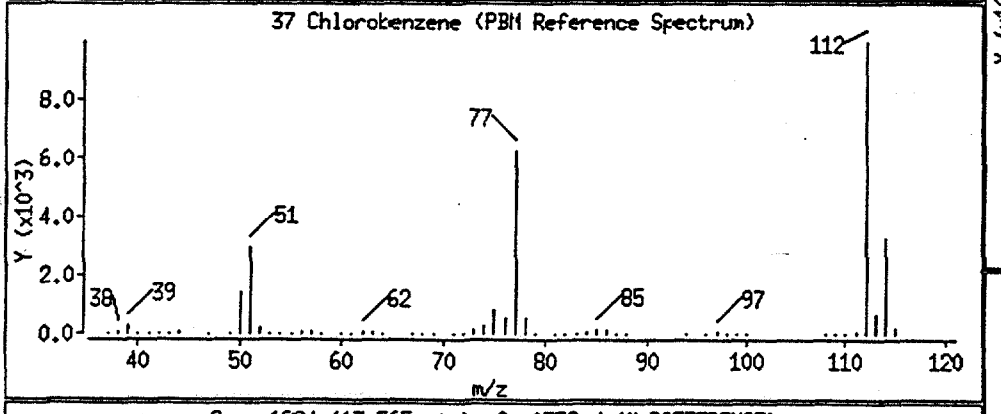
Column diameter : 0.53

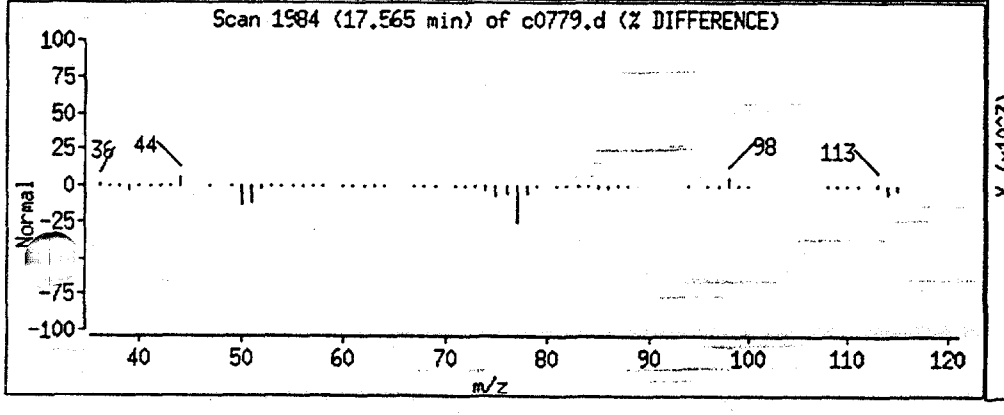
Volume Injected (uL) : 0.0

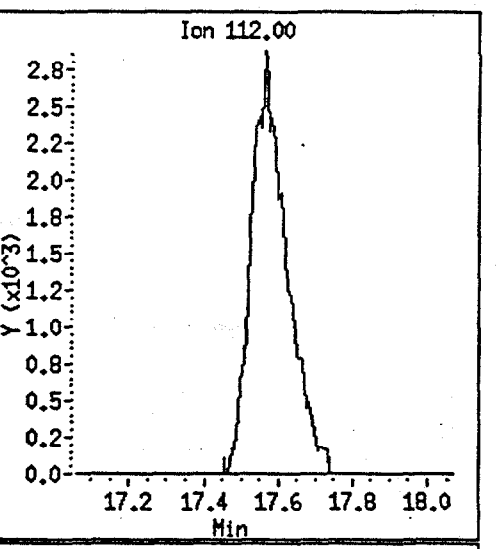
37 Chlorobenzene

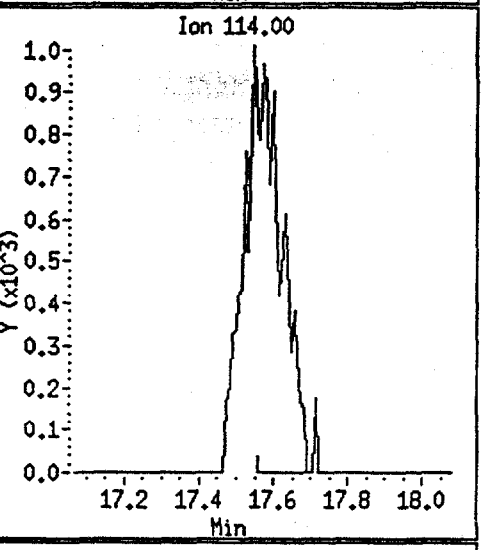


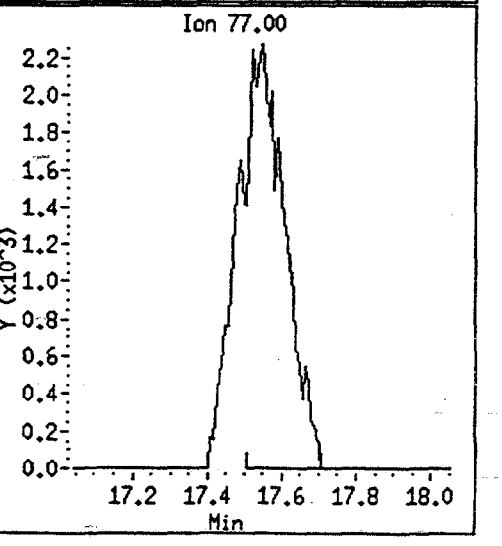












2L

LEACHATE VOATILE SYSTEM MONITORING COMPOUND RECOVERY

0075

Lab Name: ANALYTICAL SERVICES CORP. Contract: N/A

Lab Code: N/A Case No.: 5226N SAS No.: N/A SDG No.: N7U411.2

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK01	101	107	104		0
02	VSPK01	99	100	106		0
03	AO1SS-106	99	101	103		0
04	AO1SS-106MS	105	109	108		0
05	AO1SS-106MSD	96	100	107		0
06	CLJ-DD-01	96	98	106		0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring compound diluted out

3L

LEACHATE VOLATILE MATRIX SPIKE RECOVERY

0076

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix Spike - EPA Sample No.: AO1SS-106

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl chloride	2500	0	2100	86	30-130
1,1-Dichloroethylene	2500	0	2300	91	30-130
1,2-Dichloroethane	2500	0	2500	101	30-130
Chloroform	2500	0	2400	97	30-130
Methyl ethyl ketone	5000	0	4200	84	30-130
Carbon tetrachloride	2500	0	2500	99	30-130
Trichloroethylene	2500	0	2500	101	30-130
Benzene	2500	0	2500	99	30-130
Tetrachloroethylene	2500	0	2300	94	30-130
Chlorobenzene	2500	0	2400	96	30-130
1,4-Dichlorobenzene	2500	0	2100	85	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS: _____

3L

LEACHATE VOLATILE MATRIX SPIKE DUPLICATE RECOVERY

0077

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix Spike - EPA Sample No.: AO1SS-106

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl chloride	2500	2000	82	5	20	30-130
1,1-Dichloroethylene	2500	2100	86	5	20	30-130
1,2-Dichloroethane	2500	2500	101	0	20	30-130
Chloroform	2500	2400	96	.1	20	30-130
Methyl ethyl ketone	5000	4100	81	3	20	30-130
Carbon tetrachloride	2500	2400	96	3	20	30-130
Trichloroethylene	2500	2400	95	7	20	30-130
Benzene	2500	2400	96	3	20	30-130
Tetrachloroethylene	2500	2200	89	5	20	30-130
Chlorobenzene	2500	2300	93	3	20	30-130
1,4-Dichlorobenzene	2500	2000	78	9	20	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 11 outside limits

COMMENTS: _____

3L
LEACHATE VOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix Spike - EPA Sample No.: VSPK01

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
Vinyl chloride	2500	0	2300	91	30-130
1,1-Dichloroethylene	2500	0	2300	94	30-130
1,2-Dichloroethane	2500	0	2500	99	30-130
Chloroform	2500	0	2400	96	30-130
Methyl ethyl ketone	5000	0	4800	95	30-130
Carbon tetrachloride	2500	0	2500	100	30-130
Trichloroethylene	2500	0	2400	96	30-130
Benzene	2500	0	2400	98	30-130
Tetrachloroethylene	2500	0	2300	94	30-130
Chlorobenzene	2500	0	2400	95	30-130
1,4-Dichlorobenzene	2500	0	2000	80	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

0079 EPA SAMPLE NO.

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15226N SAS No.: _____ SDG No.: N7V4112

Lab File ID: C0774 Lab Sample ID: N7V4112V

Date Analyzed: 12/26/94 Time Analyzed: 17:32

GC Column: _____ ID: _____ (mm) Heated Purge: (Y/N) ___

Instrument ID: SC

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
A0155-106	JN6037V	C0776	1838
A0155-106 MS	JN6037VS	C0777	1911
A0155-106 MSD	JN6037VR	C0778	1944
CLJ-DD-01	JN6023V	C0779	2016

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2V411-2

Lab File ID: Co218 BFB Injection Date: 11/23/94

Instrument ID: msc. E BFB Injection Time: 09:38

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.5
75	30.0 - 66.0% of mass 95	54.2
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	82.0
175	4.0 - 9.0 % of mass 174	7.1 (8.7)1
176	93.0 - 101.0% of mass 174	79.2 (96.6)1
177	5.0 - 9.0% of mass 176	6.4 (8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD10	VSTD10	Co220	11/23/94	10:44
02	VSTD20	VSTD20	Co221		11:17
03	VSTD50	VSTD50	Co222		11:49
04	VSTD100	VSTD100	Co223		12:22
05	VSTD200	VSTD200	Co224		12:55
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NEESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7L411Z

Lab File ID: C0772 BFB Injection Date: 12/20/94

Instrument ID: MSC.I BFB Injection Time: 16:21

GC Column: DB624 ID: .53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.5
75	30.0 - 66.0% of mass 95	50.4
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	73.2
175	4.0 - 9.0 % of mass 174	5.9 (8.1)1
176	93.0 - 101.0% of mass 174	73.2 (100.0)1
177	5.0 - 9.0% of mass 176	5.3 (7.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	C0773	12/20/94	16:52
02	VBLK01	VBLK01	C0774		17:32
03	VSPK01	VSPK01	C0775		18:05
04	A0155-106MS	JN6037VS	C0777		19:11
05	A0155-106MSD	JN6037VR	C0778		19:44
06	CLT-DD-01	JN6023V	C0779		20:16
07	A0155-106	JN6037V	C0776		18:38
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Report Date : 24-Nov-1994 06:38

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 23-NOV-94 12:55
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240ambic.m
Cal Date : 24-Nov-1994 06:37

Calibration File Names:
Level 1: /chem/aux/msc.i/c112394.b/c0220.d
Level 2: /chem/aux/msc.i/c112394.b/c0221.d
Level 3: /chem/aux/msc.i/c112394.b/c0222.d
Level 4: /chem/aux/msc.i/c112394.b/c0223.d
Level 5: /chem/aux/msc.i/c112394.b/c0224.d

	Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1	Methyl chloride	0.56958	0.60973	0.65327	0.62497	0.77706	0.64692	12.177
2	Vinyl chloride	0.92469	1.02781	1.01984	0.94586	0.96872	0.97739	4.630
3	Methyl bromide	1.21686	1.30827	1.23692	1.15168	1.18572	1.21989	4.838
4	Chloroethane	0.63805	0.67667	0.61377	0.54360	0.56260	0.60694	8.969
5	Acrolein	0.12334	0.12518	0.15648	0.13939	0.14715	0.13831	10.262
6	1,1-Dichloroethylene	1.15422	1.22946	1.25675	1.12583	1.17649	1.18855	4.528
7	Acetone	0.31384	0.32422	0.29788	0.26179	0.24913	0.28937	11.286
8	Carbon disulfide	2.97029	3.58775	3.46508	3.02255	3.12887	3.23491	8.520
9	Methylene chloride	1.41178	1.37463	1.29868	1.13804	1.17142	1.27891	9.465
10	Acrylonitrile	0.28651	0.27026	0.26498	0.24883	0.25338	0.26479	5.622
11	1,2-Trans-dichloroethylene	1.16061	1.31190	1.36067	1.20677	1.23667	1.25532	6.419
12	1,1-Dichloroethane	2.25492	2.65335	2.57165	2.30891	2.28707	2.41518	7.595
13	1,2-cis-Dichloroethylene	1.22892	1.29015	1.35167	1.24517	1.24482	1.27215	3.929
14	Methyl ethyl ketone	0.03464	0.03037	0.02745	0.02558	0.02541	0.02869	13.524
16	Chloroform	2.85114	3.11538	3.06331	2.78242	2.76749	2.91595	5.571
17	1,1,1-Trichloroethane	0.54649	0.62317	0.59838	0.54001	0.55543	0.57269	6.332
18	Carbon tetrachloride	0.51421	0.59816	0.57555	0.53276	0.54798	0.55373	6.047
20	Benzene	0.81155	0.89331	0.85006	0.79159	0.80199	0.82970	5.046
21	1,2-Dichloroethane	1.97718	2.09752	2.03448	1.92112	1.89483	1.98503	4.168
23	Trichloroethylene	0.44957	0.49136	0.46431	0.42677	0.44030	0.45446	5.445
24	1,2-Dichloropropane	0.38492	0.42241	0.39930	0.38165	0.39046	0.39575	4.128
25	Dichlorobromomethane	0.63533	0.68193	0.67307	0.65113	0.67166	0.66262	2.864
26	2-Chloroethylvinyl ether	0.19318	0.20671	0.19454	0.18526	0.17813	0.19157	5.605
27	cis-1,3-Dichloropropylene	0.52283	0.58281	0.55360	0.52085	0.52017	0.54005	5.132
29	4-Methyl-iso-butyl ketone	0.53578	0.52976	0.50794	0.46667	0.48159	0.50435	5.936
30	Toluene	0.76904	0.83586	0.76505	0.72995	0.76808	0.77360	4.967
31	trans-1,3-Dichloropropylene	0.45443	0.50684	0.47647	0.44163	0.43444	0.46276	6.345

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 23-NOV-94 12:55
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240ambic.m
Cal Date : 24-Nov-1994 06:37

	Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
	32 1,1,2-Trichloroethane	0.33438	0.37475	0.34361	0.32863	0.31672	0.33962	6.456
	33 Tetrachloroethylene	0.54810	0.61462	0.56232	0.52828	0.54333	0.55933	5.938
	34 2-Hexanone	0.36483	0.35754	0.34328	0.31082	0.32260	0.33981	6.725
	35 Chlorodibromomethane	0.50959	0.55890	0.58038	0.54952	0.55502	0.55068	4.681
	37 Chlorobenzene	1.01554	1.12627	1.05309	1.02351	1.00921	1.04553	4.607
	38 Ethylbenzene	0.46875	0.50324	0.47618	0.45800	0.45247	0.47173	4.214
	m+p-Xylenes	0.56393	0.61781	0.57895	0.56488	0.55671	0.57646	4.247
	o-Xylene	0.59609	0.63759	0.57682	0.56592	0.56455	0.58819	5.162
	41 Styrene	0.94509	0.98584	0.93956	0.90158	0.87219	0.92885	4.687
	42 Bromoform	0.40430	0.45343	0.44751	0.42203	0.42738	0.43093	4.615
	44 1,1,2,2-Tetrachloroethane	0.76202	0.80207	0.73904	0.67682	0.64619	0.72523	8.732
	45 1,3-Dichlorobenzene	1.09652	1.04381	0.99746	0.90308	0.91621	0.99141	8.331
	46 1,4-Dichlorobenzene	1.22888	1.20132	1.12048	1.04453	1.07297	1.13364	7.036
	47 1,2-Dichlorobenzene	1.07581	1.02560	0.95374	0.87742	0.90177	0.96687	8.612
$	19 1,2-Dichloroethane-D4 (SURR)	1.51721	1.53066	1.57492	1.51055	1.44302	1.51527	3.138
$	29 Toluene-D8 (SURR)	1.15875	1.14134	1.09440	1.08623	1.07766	1.11167	3.243
$	43 Bromofluorobenzene (SURR)	1.02725	0.88672	0.84653	0.79602	0.74320	0.85995	12.552

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0773.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 26-DEC-94 16:52
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122694.b/8240ambic.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.647	0.695	0.300	7.4	40.0
	2 Vinyl chloride	0.977	1.101	0.010	12.7	25.0
	3 Methyl bromide	1.220	1.261	0.010	3.3	40.0
	4 Chloroethane	0.607	0.677	0.010	11.5	40.0
	5 Acrolein	0.138	0.139	0.010	0.7	40.0
	6 1,1-Dichloroethylene	1.189	1.263	0.010	6.2	25.0
	7 Acetone	0.289	0.326	0.010	12.8	40.0
	8 Carbon disulfide	3.235	3.174	0.010	1.9	40.0
	9 Methylene chloride	1.279	1.246	0.010	2.6	40.0
	10 Acrylonitrile	0.265	0.270	0.010	1.9	40.0
	11 1,2-Trans-dichloroethylene	1.255	1.310	0.010	4.4	40.0
	12 1,1-Dichloroethane	2.415	2.515	0.300	4.1	40.0
	13 1,2-cis-Dichloroethylene	1.272	1.324	0.010	4.1	40.0
	14 Methyl ethyl ketone	0.029	0.029	0.010	1.8	40.0
	16 Chloroform	2.916	2.826	0.010	3.1	25.0
	17 1,1,1-Trichloroethane	0.573	0.558	0.010	2.5	40.0
	18 Carbon tetrachloride	0.554	0.512	0.010	7.6	40.0
$	19 1,2-Dichloroethane-D4 (SURR)	1.515	1.475	0.010	2.6	40.0
	20 Benzene	0.830	0.860	0.010	3.6	40.0
	21 1,2-Dichloroethane	1.985	1.876	0.010	5.5	40.0
	23 Trichloroethylene	0.454	0.430	0.010	5.4	40.0
	24 1,2-Dichloropropane	0.396	0.410	0.010	3.5	25.0
	25 Dichlorobromomethane	0.663	0.613	0.010	7.5	40.0
	26 2-Chloroethylvinyl ether	0.192	0.182	0.010	5.1	40.0
	27 cis-1,3-Dichloropropylene	0.540	0.503	0.010	6.9	40.0
	28 Methyl-iso-butyl ketone	0.504	0.540	0.010	7.1	40.0
$	29 Toluene-D8 (SURR)	1.112	1.195	0.010	7.5	40.0
	30 Toluene	0.774	0.850	0.010	9.9	25.0
	31 trans-1,3-Dichloropropylene	0.463	0.430	0.010	7.2	40.0
	32 1,1,2-Trichloroethane	0.340	0.335	0.010	1.4	40.0
	33 Tetrachloroethylene	0.559	0.563	0.010	0.7	40.0
	34 2-Hexanone	0.340	0.352	0.010	3.5	40.0
	35 Chlorodibromomethane	0.551	0.521	0.010	5.4	40.0
	37 Chlorobenzene	1.046	1.084	0.300	3.7	40.0
	38 Ethylbenzene	0.472	0.479	0.010	1.6	25.0
	39 m+p-Xylenes	0.576	0.598	0.010	3.7	40.0
	40 o-Xylene	0.588	0.606	0.010	3.0	40.0
	41 Styrene	0.929	0.939	0.010	1.1	40.0
	42 Bromoform	0.431	0.408	0.300	5.3	40.0
$	43 Bromofluorobenzene (SURR)	0.860	0.863	0.010	0.3	40.0

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0773.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 26-DEC-94 16:52
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122694.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.832	0.300	14.8	40.0
45 1,3-Dichlorobenzene	0.991	1.072	0.010	8.1	40.0
46 1,4-Dichlorobenzene	1.134	1.238	0.010	9.2	40.0
47 1,2-Dichlorobenzene	0.967	1.014	0.010	4.9	40.0

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7114H2

Lab File ID (Standard): Co273 Date Analyzed: 11/26/94

Instrument ID: MSC.I Time Analyzed: 16:52

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	227841	9.34	878239	11.28	588753	17.49
	UPPER LIMIT	455682	9.84	1756478	11.78	1177506	17.99
	LOWER LIMIT	113920	8.84	439119	10.78	294376	16.99
	EPA SAMPLE NO.						
01	VBLK01	213713	9.33	759950	11.27	528510	17.49
02	VSPK01	195415	9.31	755660	11.27	561188	17.49
03	A0155-106MS	175508	9.33	616262	11.28	471631	17.49
04	A0155-106MSD	191303	9.32	750195	11.27	536907	17.48
05	CLT-DD-01	199565	9.32	753301	11.28	566435	17.48
06	A0155-106	194674	9.32	735943	11.27	534957	17.49
07							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0087 EPA SAMPLE NO.

VBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: N7V4112V

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0774

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 25

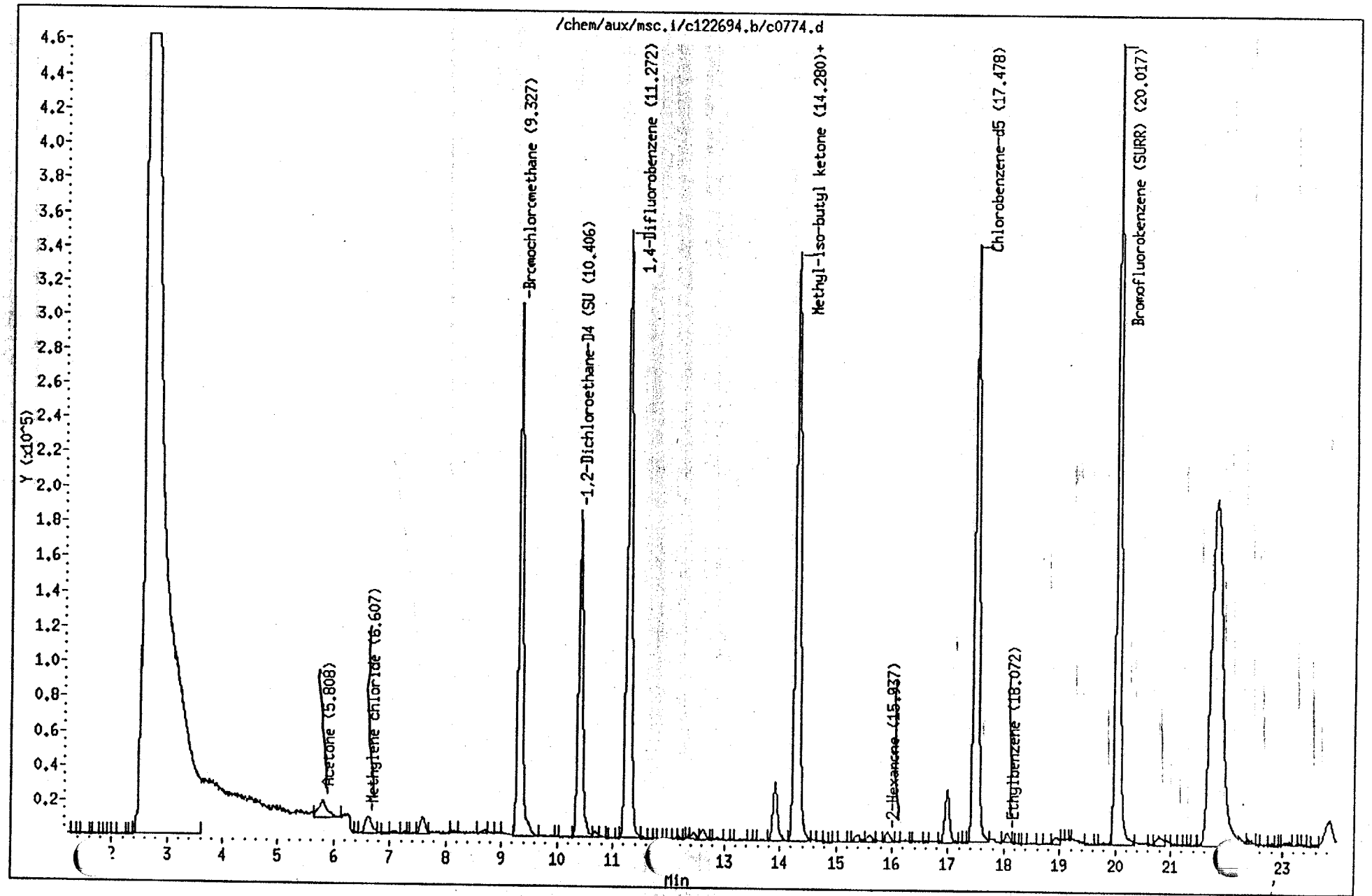
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	130	U
75-35-4	1,1-Dichloroethene	130	U
67-66-3	Chloroform	130	U
107-06-2	1,2-Dichloroethane	130	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	130	U
79-01-6	Trichloroethene	130	U
71-43-2	Benzene	130	U
127-18-4	Tetrachloroethylene	130	U
108-90-7	Chlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	130	U

0088

Data File: /chem/aux/msc.i/c122694.b/c0774.d
Date : 26-DEC-94 17:32
Instrument : msc.i
Sample ID : n7v4112v
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53



Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0774.d
Lab. Id. : Quant Type: ISTD
Inj Date : 26-DEC-94 17:32 Autotune Date: {
Operator : jk Inst ID: msc.i
Smp Info : met blk
Misc Info : n7v4112v,n7v4112,1:m2,0.200,5.00:1, 12/16 ex
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:44 jeff
Cal Date : 26-DEC-94 16:52 Cal File: c0773.d
Als bottle: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Acetone	43.00	5.808	(0.623)	12404	8.89	8.89(a)
	Methylene chloride	84.00	6.607	(0.708)	14447	2.71	2.71(a)
*	15 Bromochloromethane	128.00	9.327	(1.000)	213713	50.0	
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.398	(1.115)	329396	52.2	52.2
*	22 1,4-Difluorobenzene	114.00	11.272	(1.000)	759950	50.0	
	28 Methyl-iso-butyl ketone	43.00	14.280	(0.817)	6087	1.07	~~1.07(aQ)~~ RT
$	29 Toluene-D8 (SURR)	98.00	14.289	(0.817)	639111	50.6	50.6
	34 2-Hexanone	43.00	15.937	(0.911)	4281	1.15	~~1.15(aQ)~~ RT
*	36 Chlorobenzene-d5	117.00	17.486	(1.000)	528510	50.0	
	38 Ethylbenzene	106.00	18.072	(1.033)	5734	1.13	~~1.13(aQ)~~ RT
$	43 Bromofluorobenzene (SURR)	95.00	20.025	(1.145)	488194	53.5	53.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

0090 EPA SAMPLE NO.

AO1SS-106

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: JN6037V

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0776

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.025

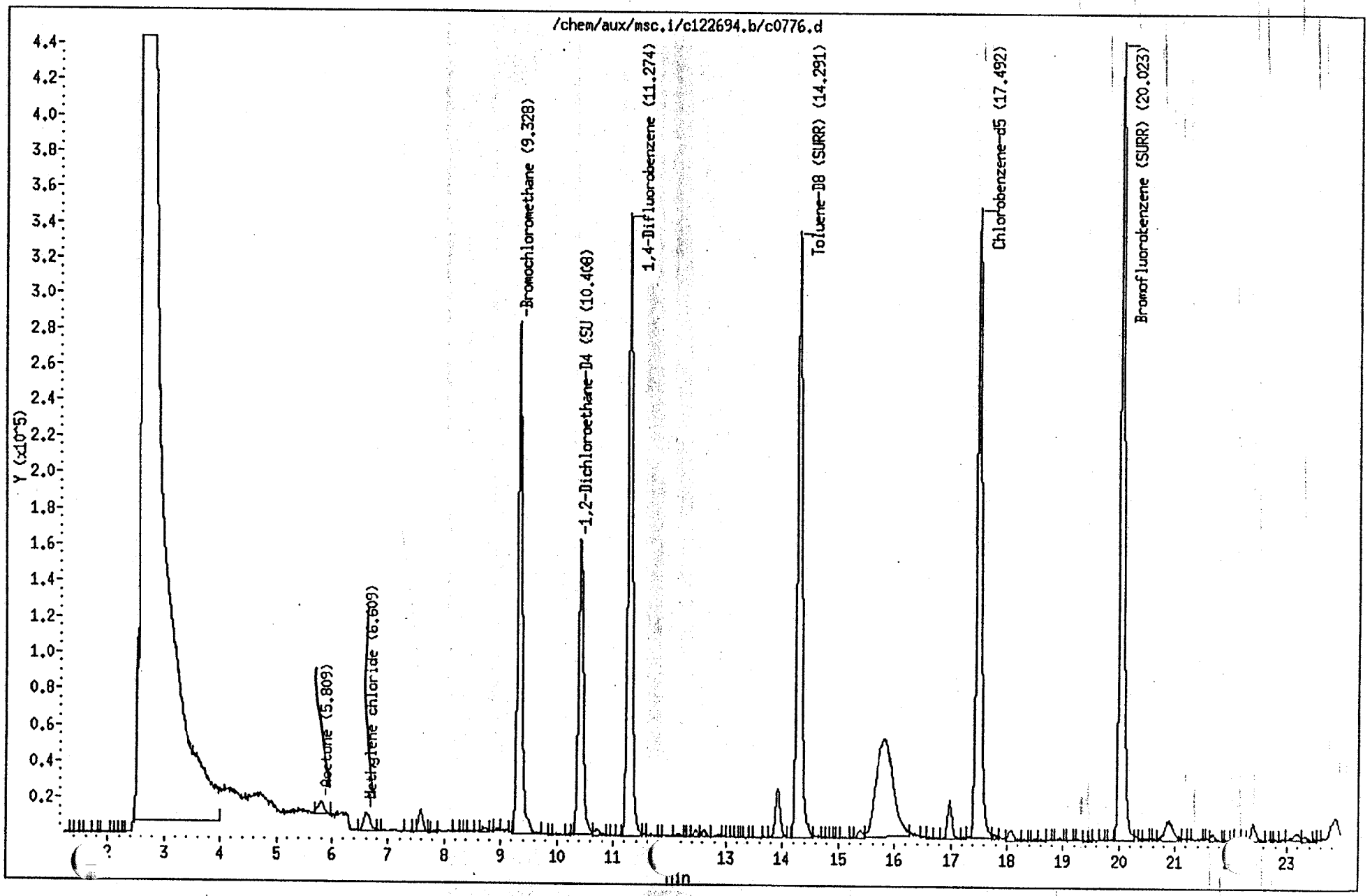
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	130	U
75-35-4	1,1-Dichloroethene	130	U
67-66-3	Chloroform	130	U
107-06-2	1,2-Dichloroethane	130	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	130	U
79-01-6	Trichloroethene	130	U
71-43-2	Benzene	130	U
127-18-4	Tetrachloroethylene	130	U
108-90-7	Chlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	130	U

0091

Data File: /chem/aux/msc.i/c122694.b/c0776.d
Date : 26-DEC-94 18:38
Instrument : msc.i
Sample ID : 15629n a01ss-106
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53



0092

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0776.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 26-DEC-94 18:38
Autotune Date: {
Operator : jk
Inst ID: msc.i
Smp Info : 15629n a01ss-106
Misc Info : jn6037v,n7v4112,1:m2,0.200,5.00:1, 12/16 ex
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:44 jeff
Cal Date : 26-DEC-94 16:52
Cal File: c0773.d
Als bottle: 5
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
Acetone	43.00	5.809	(0.623)	10003	7.90	7.90 (a)
Methylene chloride	84.00	6.617	(0.709)	14661	3.03	3.03 (a)
* 15 Bromochloromethane	128.00	9.328	(1.000)	194074	50.0	
$ 19 1,2-Dichloroethane-D4 (SURR)	65.00	10.408	(1.116)	296096	51.7	51.7
* 22 1,4-Difluorobenzene	114.00	11.274	(1.000)	735943	50.0	
$ 29 Toluene-D8 (SURR)	98.00	14.291	(0.817)	633250	49.5	49.5
* 36 Chlorobenzene-d5	117.00	17.492	(1.000)	534951	50.0	
$ 43 Bromofluorobenzene (SURR)	95.00	20.031	(1.145)	466010	50.5	50.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0093 EPA SAMPLE NO.

AO1SS-106MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: JN6037VS

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0777

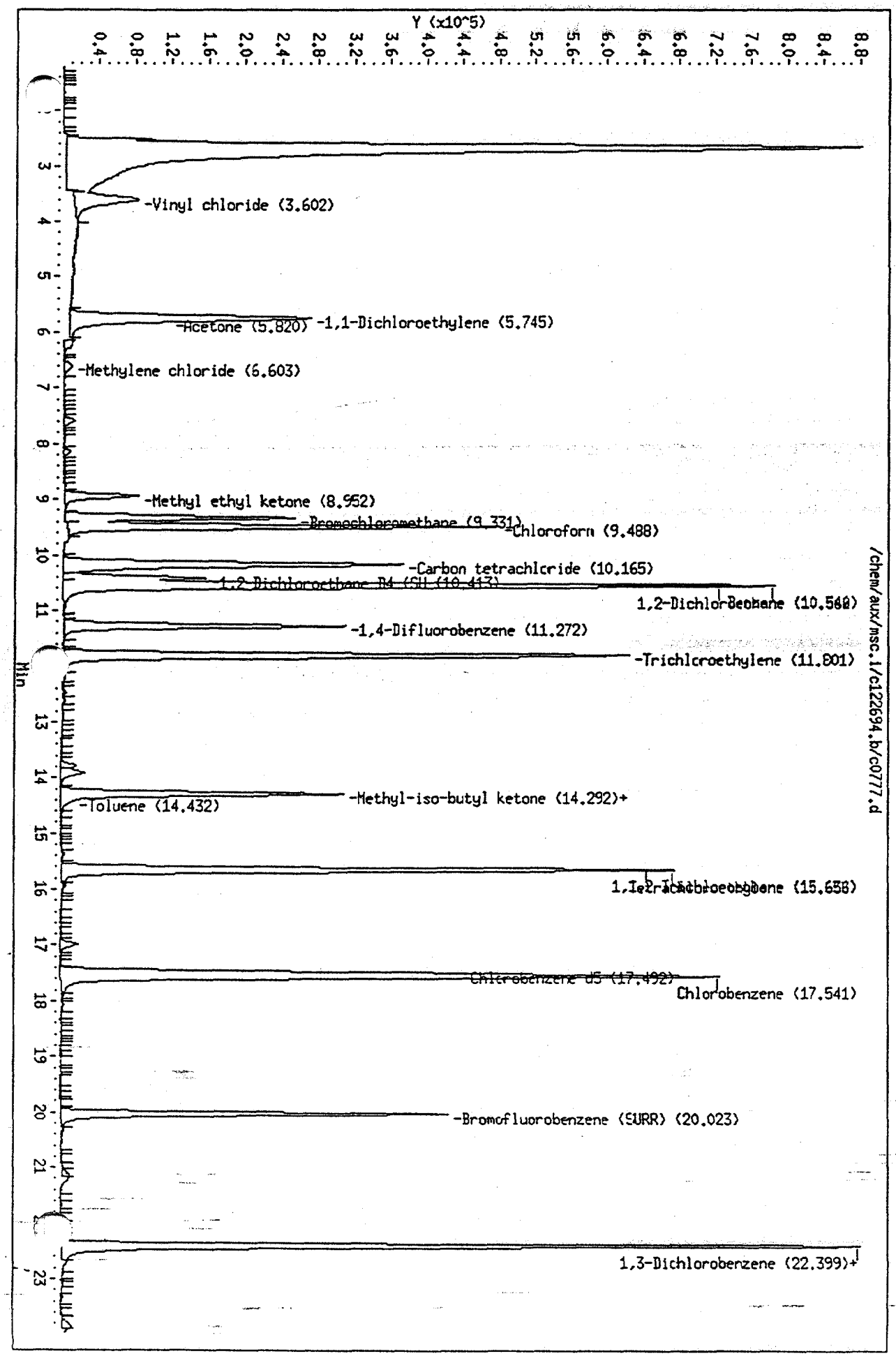
Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 25

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	2100	
75-35-4	1,1-Dichloroethene	2300	
67-66-3	Chloroform	2400	
107-06-2	1,2-Dichloroethane	2500	
78-93-3	2-Butanone	4200	
56-23-5	Carbon Tetrachloride	2500	
79-01-6	Trichloroethene	2500	
71-43-2	Benzene	2500	
127-18-4	Tetrachloroethylene	2300	
108-90-7	Chlorobenzene	2400	
106-46-7	1,4-Dichlorobenzene	2100	



Data File: /chem/aux/msc.1/c122694.b/c0777.d
Date : 26-DEC-94 19:11
Instrument : msc.1
Sample ID : 15629n a01ss-106 ms
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c122694.b/c0777.d
Report Date: 27-Dec-1994 07:42

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0777.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 26-DEC-94 19:11
Autotune Date: {
Operator : jk
Inst ID: msc.i
Smp Info : 15629n a01ss-106 ms
Misc Info : jn6037vs,n7v4112,1:m2,0.200,5.00:1, 12/16 ex
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:40 jeff
Cal Date : 26-DEC-94 16:52
Cal File: c0773.d
Als bottle: 6
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	Vinyl chloride	62.00	3.610	(0.387)	331357	85.7	85.7
	1,1-Dichloroethylene	96.00	5.745	(0.616)	401140	90.5	90.5
7	Acetone	43.00	5.820	(0.624)	10815	9.44	9.44(a)
9	Methylene chloride	84.00	6.611	(0.709)	9051	2.07	2.07(aQ)
14	Methyl ethyl ketone	72.00	8.944	(0.793)	65182	167	167(Q)
* 15	Bromochloromethane	128.00	9.331	(1.000)	175508	50.0	
16	Chloroform	83.00	9.497	(1.018)	957441	96.5	96.5
18	Carbon tetrachloride	117.00	10.173	(0.902)	679319	99.2	99.2
$ 19	1,2-Dichloroethane-D4 (SURR)	65.00	10.413	(1.116)	279362	53.9	53.9
20	Benzene	78.00	10.537	(0.934)	1138447	98.9	98.9
21	1,2-Dichloroethane	62.00	10.562	(1.132)	666106	101	101
* 22	1,4-Difluorobenzene	114.00	11.281	(1.000)	669262	50.0	
23	Trichloroethylene	130.00	11.801	(1.046)	578935	101	101
28	Methyl-iso-butyl ketone	43.00	14.283	(0.817)	5733	1.12	1.12(aQ)
$ 29	Toluene-D8 (SURR)	98.00	14.292	(0.817)	589120	52.3	52.3
30	Toluene	92.00	14.432	(0.825)	8454	1.05	1.05(a)
32	1,1,2-Trichloroethane	97.00	15.636	(1.386)	4651	1.04	1.04(TaQ)
33	Tetrachloroethylene	164.00	15.653	(0.895)	496813	93.5	93.5
* 36	Chlorobenzene-d5	117.00	17.492	(1.000)	471631	50.0	
37	Chlorobenzene	112.00	17.550	(1.003)	976912	95.5	95.5
$ 43	Bromofluorobenzene (SURR)	95.00	20.023	(1.145)	442338	54.4	54.4
45	1,3-Dichlorobenzene	~~146.00~~	~~22.407~~	~~(1.281)~~	~~995037~~	~~98.4~~	~~98.4~~ RT
46	1,4-Dichlorobenzene	146.00	22.407	(1.281)	996571	85.3	85.3

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0096 EPA SAMPLE NO.

AO1SS-106MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: JN6037VR

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0778

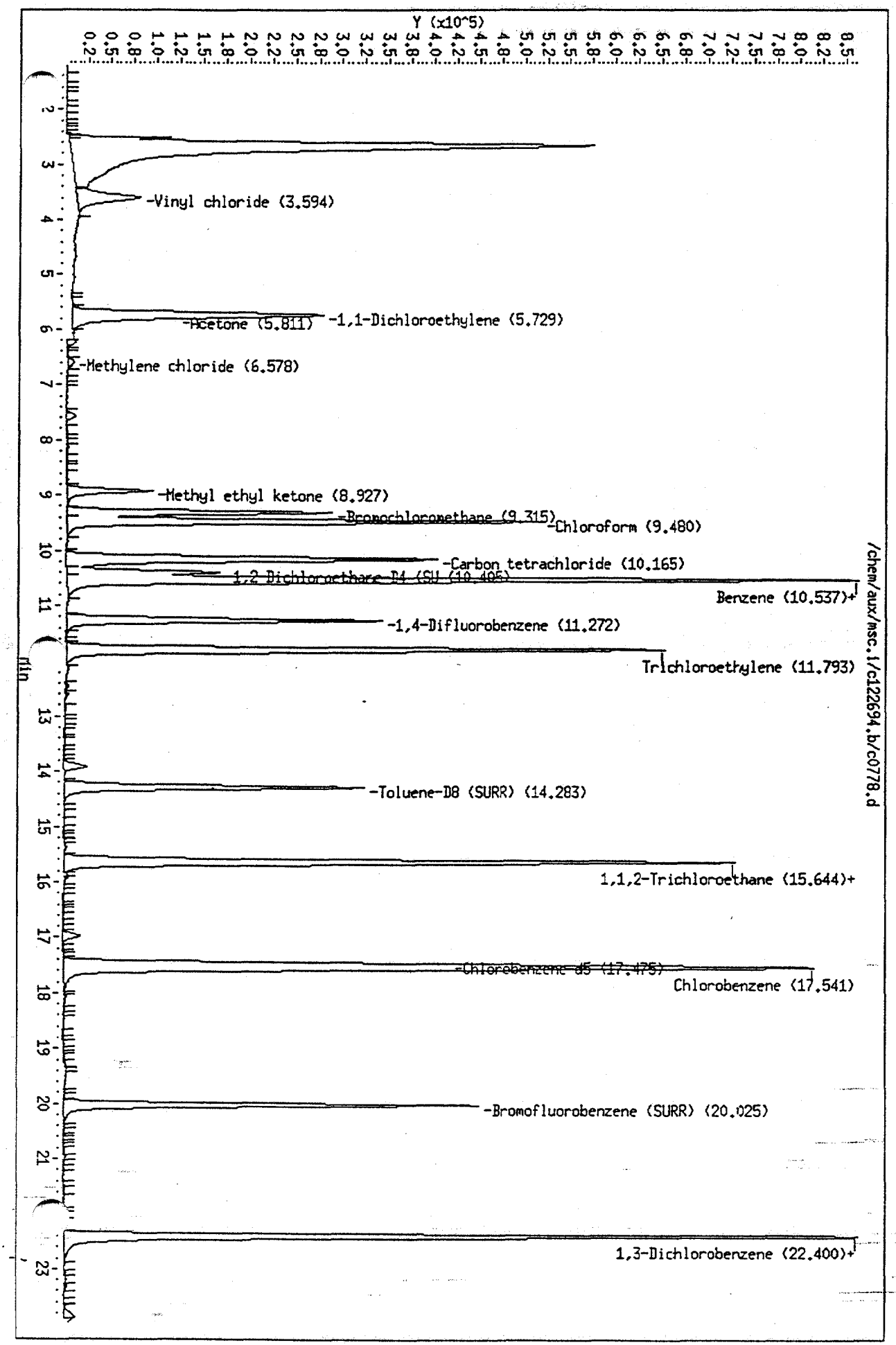
Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1~~ 25

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	2000	
75-35-4	1,1-Dichloroethene	2100	
67-66-3	Chloroform	2400	
107-06-2	1,2-Dichloroethane	2500	
78-93-3	2-Butanone	4100	
56-23-5	Carbon Tetrachloride	2400	
79-01-6	Trichloroethene	2400	
71-43-2	Benzene	2400	
127-18-4	Tetrachloroethylene	2200	
108-90-7	Chlorobenzene	2300	
106-46-7	1,4-Dichlorobenzene	2000	



Data File: /chem/aux/msc.i/c122694.b/c0778.d
Date : 26-DEC-94 19:44
Instrument : msc.i
Sample ID : 15629n a01ss-106msd
Column phase : J&W DB_624
Volume Injected (uL) : 0.0

Column diameter : 0.53

Data File: /chem/aux/msc.i/c122694.b/c0778.d
Report Date: 27-Dec-1994 07:42

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0778.d
Lab. Id. :
Inj Date : 26-DEC-94 19:44
Operator : jk
Smp Info : 15629n a01ss-106 msd
Misc Info : jn6037vr,n7v4112,1:m2,0.200,5.00:1, 12/16 ex
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:40 jeff
Cal Date : 26-DEC-94 16:52
Als bottle: 7
Dil Factor: 1.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: (
Inst ID: msc.i

Cal File: c0773.d

Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	Vinyl chloride	62.00	3.594	(0.385)	344575	81.8	81.8
	1,1-Dichloroethylene	96.00	5.737	(0.615)	414142	85.7	85.7
	7 Acetone	43.00	5.811	(0.623)	8923	7.15	7.15(a)
	9 Methylene chloride	84.00	6.578	(0.706)	5554	1.16	1.16(aQ)
	14 Methyl ethyl ketone	72.00	8.935	(0.793)	71220	162	162(Q)
*	15 Bromochloromethane	128.00	9.323	(1.000)	191303	50.0	
	16 Chloroform	83.00	9.480	(1.017)	1042181	96.4	96.4
	18 Carbon tetrachloride	117.00	10.165	(0.902)	739439	96.3	96.3
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.405	(1.116)	303010	53.7	53.7
	20 Benzene	78.00	10.529	(0.934)	1239235	96.1	96.1
	21 1,2-Dichloroethane	62.00	10.545	(1.131)	726211	101	101
*	22 1,4-Difluorobenzene	114.00	11.272	(1.000)	750195	50.0	
	23 Trichloroethylene	130.00	11.793	(1.046)	609830	94.5	94.5
$	29 Toluene-D8 (SURR)	98.00	14.292	(0.818)	615147	47.9	47.9
	32 1,1,2-Trichloroethane	97.00	15.636	(1.387)	5251	1.04	1.04(TaQ)
	33 Tetrachloroethylene	164.00	15.653	(0.896)	536338	88.7	88.7
*	36 Chlorobenzene-d5	117.00	17.475	(1.000)	536907	50.0	
	37 Chlorobenzene	112.00	17.550	(1.004)	1081626	92.9	92.9
$	43 Bromofluorobenzene (SURR)	95.00	20.025	(1.146)	465418	50.2	50.2
	45 1,3-Dichlorobenzene	~~146.00~~	~~22.400~~	~~(1.282)~~	~~1036707~~	~~90.1~~	~~90.1~~ RT
	46 1,4-Dichlorobenzene	146.00	22.400	(1.282)	1037384	78.0	78.0

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

0099 EPA SAMPLE NO.

VSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N7V4112

Matrix: (soil/water) WATER Lab Sample ID: N7V4112VS

Sample wt/vol: .20 (g/mL) ML Lab File ID: C0775

Level: (low/med) LOW Date Received: 12/09/94

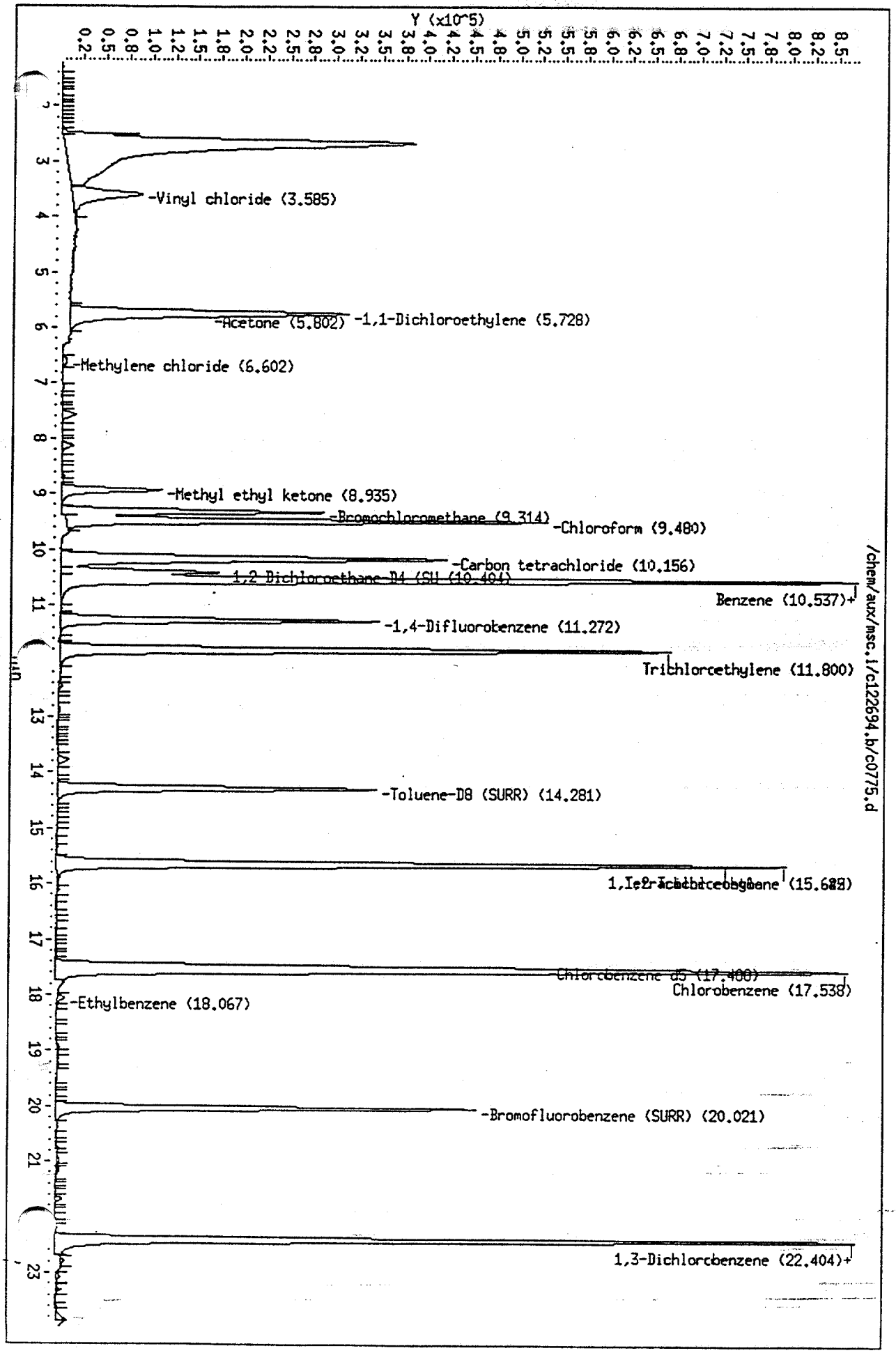
% Moisture: not dec. Date Analyzed: 12/26/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~25

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	2300	
75-35-4	1,1-Dichloroethene	2300	
67-66-3	Chloroform	2400	
107-06-2	1,2-Dichloroethane	2500	
78-93-3	2-Butanone	4800	
56-23-5	Carbon Tetrachloride	2500	
79-01-6	Trichloroethene	2400	
71-43-2	Benzene	2400	
127-18-4	Tetrachloroethylene	2300	
108-90-7	Chlorobenzene	2400	
106-46-7	1,4-Dichlorobenzene	2000	

Data File: /chem/aux/msc.i/c122694.b/c0775.d
Date : 26-DEC-94 18:05
Instrument : msc.i
Sample ID : n7v4112vs
Column phase : J&W DB_624
Volume Injected (uL) : 0.0



Column diameter : 0.53

Data File: /chem/aux/msc.i/c122694.b/c0775.d
Report Date: 27-Dec-1994 09:30

Analytical Services Corp.

VOLATILE REPORT SW-846 Method 8240

Data file : /chem/aux/msc.i/c122694.b/c0775.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 26-DEC-94 18:05
Autotune Date: {
Operator : jk
Inst ID: msc.i
Smp Info : met spk
Misc Info : n7v4112vs,n7v4112,l:m2,0.200,5.00:1, 12/16 e
Comment :
Method : /chem/aux/msc.i/c122694.b/8240ambic.m
Meth Date : 27-Dec-1994 07:44 jeff
Cal Date : 26-DEC-94 16:52
Cal File: c0773.d
Als bottle: 4
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	3 Vinyl chloride	62.00	3.585	(0.000)	390225	90.7	90.7(M)
	4 1,1-Dichloroethylene	96.00	5.728	(0.615)	463422	93.9	93.9
	7 Acetone	43.00	5.802	(0.623)	10908	8.55	8.55(a)
	9 Methylene chloride	84.00	6.602	(0.709)	5010	1.03	1.03(aQ)
	14 Methyl ethyl ketone	72.00	8.926	(0.792)	83767	190	190(Q)
*	15 Bromochloromethane	128.00	9.314	(1.000)	195415	50.0	
	16 Chloroform	83.00	9.488	(1.019)	1062284	96.2	96.2
	18 Carbon tetrachloride	117.00	10.156	(0.901)	771235	99.7	99.7
$	19 1,2-Dichloroethane-D4 (SURR)	65.00	10.404	(1.117)	304401	52.8	52.8
	20 Benzene	78.00	10.528	(0.934)	1266878	97.5	97.5
	21 1,2-Dichloroethane	62.00	10.545	(1.132)	728098	99.3	99.3
*	22 1,4-Difluorobenzene	114.00	11.272	(1.000)	755660	50.0	
	23 Trichloroethylene	130.00	11.800	(1.047)	621647	95.7	95.7
$	29 Toluene-D8 (SURR)	98.00	14.281	(0.817)	663422	49.5	49.5
	32 1,1,2-Trichloroethane	97.00	15.625	(1.386)	6311	1.25	1.25(TaQ)
	33 Tetrachloroethylene	164.00	15.642	(0.894)	592114	93.7	93.7
*	36 Chlorobenzene-d5	117.00	17.488	(1.000)	561188	50.0	
	37 Chlorobenzene	112.00	17.546	(1.003)	1159614	95.3	95.3
	38 Ethylbenzene	106.00	18.067	(1.033)	6497	1.21	1.21(aQ)
$	43 Bromofluorobenzene (SURR)	95.00	20.029	(1.145)	486470	50.2	50.2
	45 1,3-Dichlorobenzene	146.00	22.404	(1.281)	1112554	92.5	92.5
	46 1,4-Dichlorobenzene	146.00	22.404	(1.281)	1113137	80.1	80.1

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

1A (GC)
VOLATILE ORGANICS ANALYSIS DATA SHEET

0102

EPA SAMPLE NO.

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix: (soil/water) SOIL Lab Sample ID: JN6023W

Sample wt/vol: 1.06 (g/mL) G Lab File ID: D40483

Level: (low/med) LOW Date Received: 12/09/94

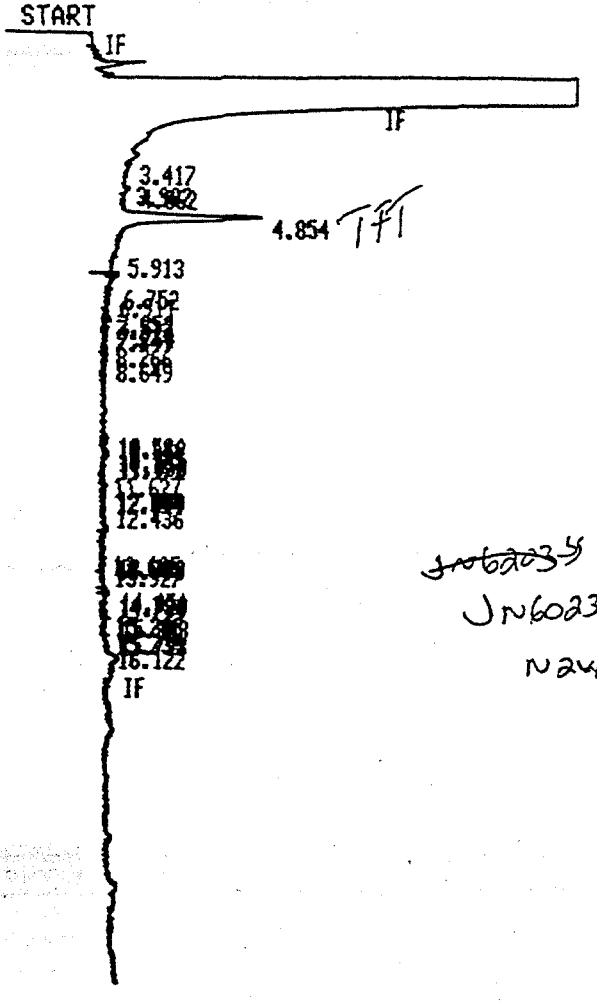
% Moisture: not dec. 4 Date Analyzed: 12/19/94

GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Light hydrocarbons (C2 - C10)	2300	U

* RUN # 483 DEC 19, 1994 22:04:15
START



TFT

CLJ-DD-01

JN6023Y

JN6023Y

N24410

TIMETABLE STOP

RUN# 483 DEC 19, 1994 22:04:15

TYH BY M8015 FID; BENTONE COLUMN; GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
4.062	3039	VV	.102	2.60235
4.854	100294	VV	.198	85.88362
6.911	1333	VV	.071	1.14147
7.352	1698	PV	.084	1.45403
7.841	1023	I PB	.043	.87601
10.965	2324	PV	.097	1.99008
11.850	2091	VV	.070	1.79056
13.770	1278	PV	.048	1.09437
13.927	1136	I PB	.055	.97278
14.720	1563	PV	.045	1.33843
15.268	1000	PP	.038	.85632

TOTAL AREA= 116779
MUL FACTOR=1.0000E+00

3B (GC)
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix Spike - EPA Sample No.: CLJ-DD-01 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Light hydrocarbons(C2 -	10000	0	2700	27 *	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Light hydrocarbons(C2 -	9600	2700	28 *	5	20	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS: _____

3B (GC)
SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix Spike - EPA Sample No.: WSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
Light hydrocarbons(C2 -	2000	0	1900	95	30-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

4A (GC)
VOLATILE METHOD BLANK SUMMARY

0106 EPA SAMPLE NO.

WBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Lab File ID: D40481 Lab Sample ID: N2W4105W

Date Analyzed: 12/19/95 Time Analyzed: 2037

GC Column: _____ ID: _____ (mm) Heated Purge: (Y/N) N

Instrument ID: PK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CLJ-DD-01	JN6023W	D40483	2204
02	CLJ-DD-01MSD	JN6023WR	D40485	2331
03	WSPK01	N2W4105WS	D40482	2120
04	CLJ-DD-01MS	JN6023WS	D40484	2247

COMMENTS:

TVH INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: ~~NA~~ 15226N SAS No.: NA SDG No.: ~~NA~~ CLJ-DD-01

Instrument ID: D4 Calibration Date (s): 10/11/94

Calibration Time (s): 1228

LAB FILE ID: CLOW = 265 CMEDL = 266

CMED = 267 CMEDH= 268 CHIGH = 269

COMPOUND	CLOW	CMEDL	CMED	CMEDH	CHIGH	$\overline{CF}$	% RSD
Light hydrocarbons(C2-C10)	7360000	7710000	7960000	7820000	7460000	7660000	3.26

TVH CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: ~~NA~~ 15226N SAS No.: NA SDG No.: ~~NA~~ CLJ-DD-01

Instrument ID: D4 Calibration Date: 12/19/94 Time: 1954

Lab File ID: 480 Initial Calib Date(s): 10/11/94

Initial Calib Times: 1228

COMPOUND	$\overline{CF}$	CMED	MIN CF	% D	MAX % D
Light hydrocarbons(C2-C10)	7660000	7580000	NA	1.05	15

1A (GC) - 0109 EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

WBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix: (soil/water) SOIL Lab Sample ID: N2W4105W

Sample wt/vol: 5.00 (g/mL) G Lab File ID: D40481

Level: (low/med) LOW Date Received: N/A

% Moisture: not dec. NA Date Analyzed: 12/19/94

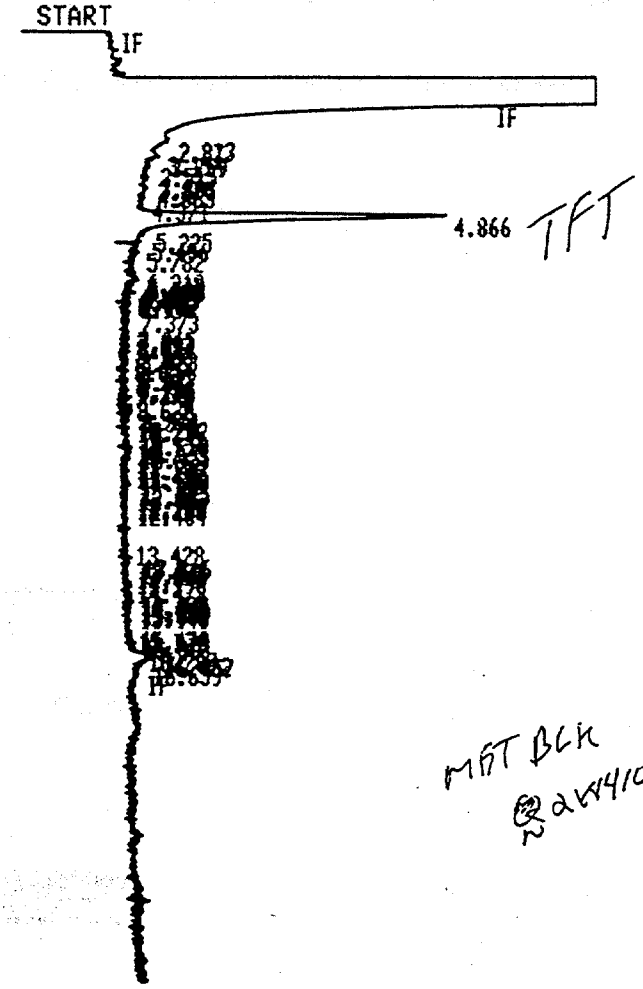
GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Light hydrocarbons (C2 - C10)	2400	U

* RUN # 481 DEC 19, 1994 20:37:41

START



Methad Blank

MBT BLK 5
@ 2W410A

TIMETABLE STOP

RUN# 481 DEC 19, 1994 20:37:41

TVH BY M8015 FID; BENTONE COLUMN; GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
3.194	1784	PV	.067	.61934
3.259	1670	VV	.045	.57976
4.866	221193	BV	.202	76.78979
5.225	5534	VV	.092	1.92119
5.496	3882	VP	.056	1.34768
6.440	2276	VV	.064	.79014
6.533	3755	VV	.083	1.30359
6.785	1021	VV	.044	.35445
6.872	1614	VP	.039	.56032
7.932	1587	VV	.060	.55095
8.423	1522	PP	.051	.52838
8.654	1557 I	PB	.075	.54053
8.927	1227	PV	.038	.42597
9.131	1974	VV	.056	.68530
9.182	1508	VP	.036	.52352
9.225	1624	PV	.043	.56379
9.922	1503	PV	.043	.52178
9.974	2159	VP	.055	.74952
10.775	1009	VP	.040	.35029
11.885	1582	PV	.057	.54921
12.003	2305	VP	.094	.80021
12.166	1689	PV	.059	.58636
13.816	1815	PV	.047	.63010

MAT BLK 5
@ 2W4104

TIMETABLE STOP

RUN# 481 DEC 19, 1994 20:37:41

TYH BY M8015 FID; BENTONE COLUMN; GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
3.194	1784	PV	.067	.61934
3.259	1670	VV	.045	.57976
4.866	221193	BV	.202	76.78979
5.225	5534	VV	.092	1.92119
5.496	3882	VP	.056	1.34768
6.440	2276	VV	.064	.79014
6.533	3755	VV	.083	1.30359
6.785	1021	VV	.044	.35445
6.872	1614	VP	.039	.56032
7.932	1587	VV	.060	.55095
8.423	1522	PP	.051	.52838
8.654	1557 I	PB	.075	.54053
8.927	1227	PV	.038	.42597
9.131	1974	VV	.056	.68530
9.182	1508	VP	.036	.52352
9.225	1624	PV	.043	.56379
9.922	1503	PV	.043	.52178
9.974	2159	VP	.055	.74952
10.775	1009	VP	.040	.35029
11.885	1582	PV	.057	.54921
12.003	2305	VP	.094	.80021
12.166	1689	PV	.059	.58636
13.816	1815	PV	.047	.63010
13.945	1607	VV	.053	.55789
14.041	1836	VV	.073	.63739
14.478	1003 I	VB	.046	.34820
14.958	1521	VV	.057	.52803
15.770	1428	VV	.064	.49575
15.981	2214	VP	.114	.76862
16.422	5220	VV	.088	1.81219
16.457	7431	VV	.100	2.57976

TOTAL AREA= 288050
MUL FACTOR=1.0000E+00

1A (GC)
VOLATILE ORGANICS ANALYSIS DATA SHEET

0112 EPA SAMPLE NO.

CLJ-DD-01MS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix: (soil/water) SOIL Lab Sample ID: JN6023WS

Sample wt/vol: 1.04 (g/mL) G Lab File ID: D40484

Level: (low/med) LOW Date Received: 12/09/94

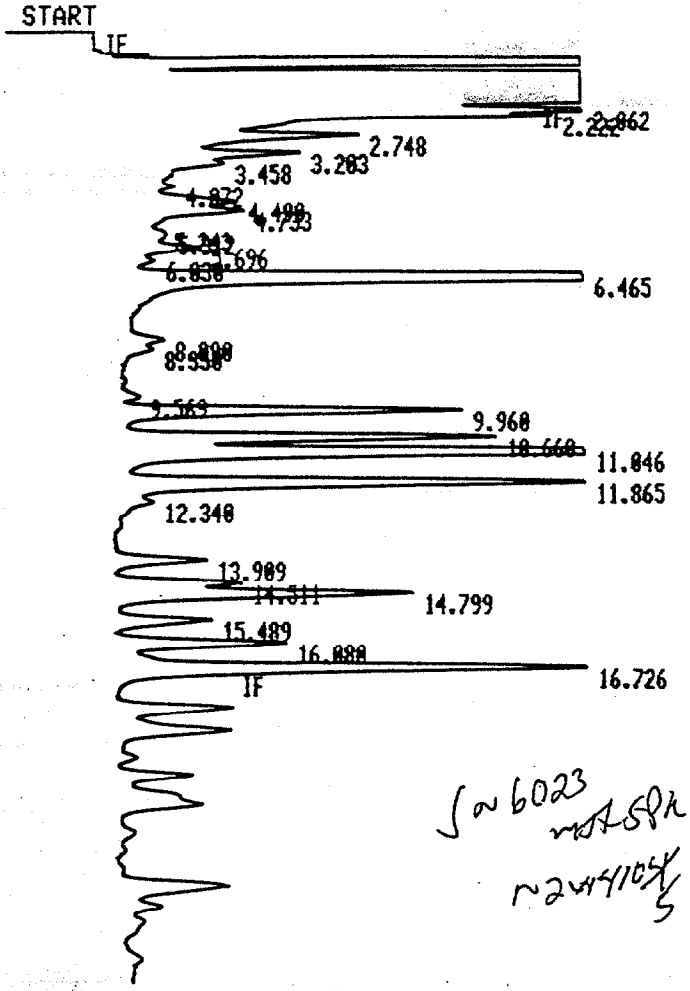
% Moisture: not dec. 4 Date Analyzed: 12/19/94

GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Light hydrocarbons (C2 - C10)	2700	J

* RUN # 484 DEC 19, 1994 22:47:38



TIMETABLE STOP

RUN# 484 DEC 19, 1994 22:47:38

TVH BY M8015 FID; BENTONE COLUMN; GC-04

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.062	63576	BV	.094	1.55250
2.222	41877	VP	.089	1.02262
2.748	75797	PP	.165	1.85093
3.203	61371	PV	.165	1.49865
3.458	23739	VP	.166	.57970
4.072	4172	PV	.088	.10188
4.490	67120	VV	.237	1.63904
4.733	63510	VV	.202	1.55089
5.243	3123	VV	.062	.07626
5.312	9016	VV	.137	.22017
5.696	39744	VV	.203	.97053
6.030	7713	VP	.155	.18835
6.465	885829	PB	.201	21.63157
8.090	28496	VV	.225	.69586
8.350	21637	VP	.224	.52837
9.569	7356	BP	.148	.17963
9.960	253998	PV	.213	6.20252
10.660	277305	VV	.210	6.77167
11.846	723008	VV	.230	17.65555
11.865	400075	VV	.236	9.76966
12.340	35567	VV	.284	.86853
13.989	73988	PV	.229	1.80676
14.511	88455	PV	.198	2.16003
14.799	249653	VV	.237	6.09642
15.489	75725	VV	.227	1.84917
16.888	132153	PV	.225	3.22712

1A (GC) 0114 EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLJ-DD-01MSD

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix: (soil/water) SOIL Lab Sample ID: JN6023WR

Sample wt/vol: 1.09 (g/mL) G Lab File ID: D40485

Level: (low/med) LOW Date Received: 12/09/94

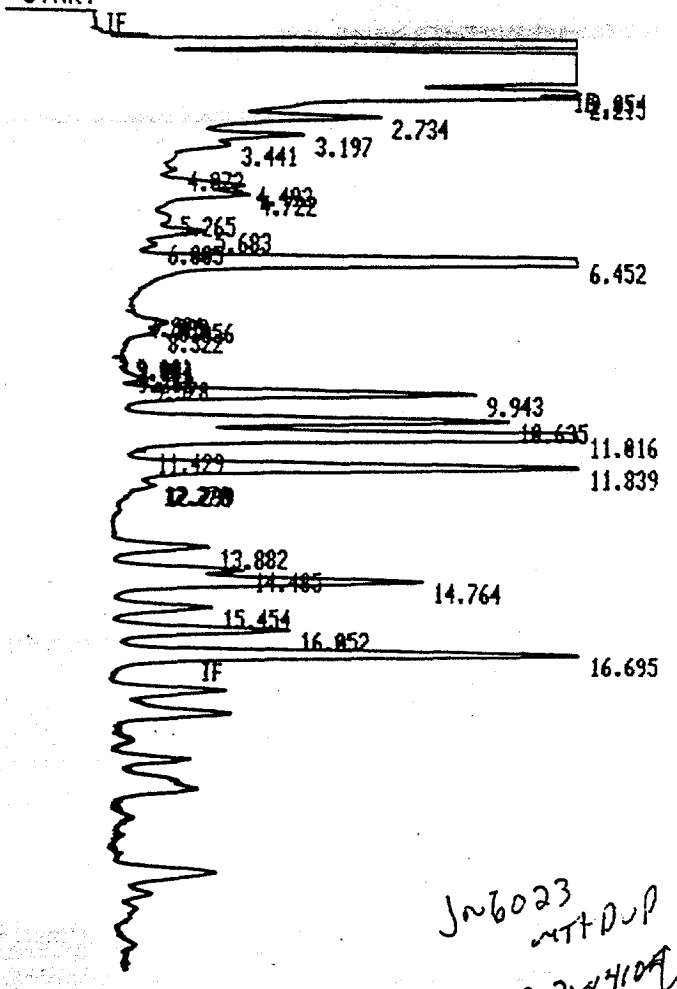
% Moisture: not dec. 4 Date Analyzed: 12/19/94

GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Light hydrocarbons (C2 - C10)	2700	

* RUN # 485 DEC 19, 1994 23:31:04



JN6023 MTBE DUP N2441045

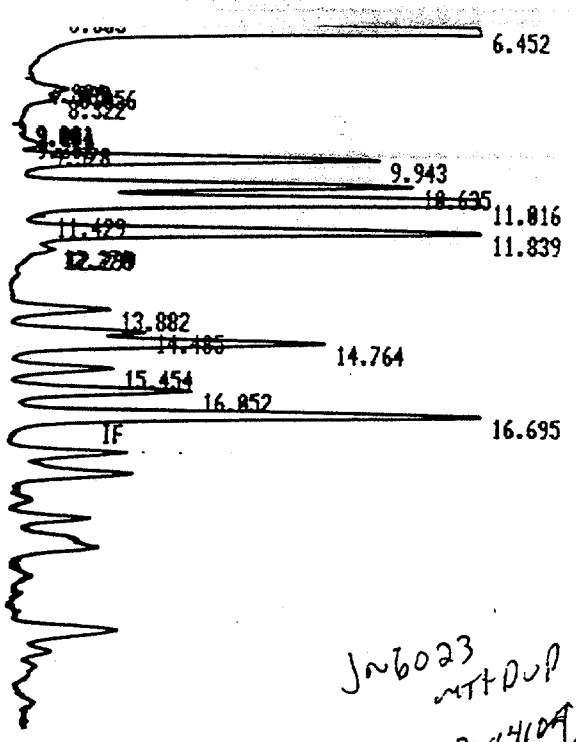
TIMETABLE STOP

RUN# 485 DEC 19, 1994 23:31:04

TYH BY M8015 FID; BENTONE COLUMN: GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.054	50261	BV	.080	1.18697
2.734	83403	PP	.163	1.96966
3.197	60446	PV	.162	1.42750
3.441	29171	VP	.182	.68891
4.072	7407	PV	.142	.17492
4.493	73052	VV	.235	1.72521
4.722	70280	VV	.209	1.65974
5.265	5673	VV	.087	.13397
5.683	43503	VV	.206	1.02737
6.005	5165	VV	.104	.12198
6.452	931463	PV	.203	21.99759
7.896	1107	PV	.049	.02614
7.939	1601	VV	.037	.03781
8.056	11813	VV	.084	.27898
8.322	17963	VV	.155	.42422
9.064	2359	PV	.064	.05571
9.368	3753	VV	.087	.08863
9.578	20844	VV	.202	.49226
9.943	284654	VV	.220	6.72244
10.635	301807	VV	.214	7.12753
11.016	763156	VV	.230	18.02282
11.429	8109	VV	.073	.19150
11.839	416598	VV	.236	9.83845
12.270	12756	VV	.092	.30125



JN6023 MTHDUP N2441095

TIMETABLE STOP

RUN# 485 DEC 19, 1994 23:31:04

TYH BY M8015 FID; BENTONE COLUMN; GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.854	50261	BV	.080	1.18697
2.734	83403	PP	.163	1.96966
3.197	60446	PV	.162	1.42750
3.441	29171	VP	.182	.68891
4.072	7407	PV	.142	.17492
4.493	73052	VV	.235	1.72521
4.722	70280	VV	.209	1.65974
5.265	5673	VV	.087	.13397
5.683	43503	VV	.206	1.02737
6.005	5165	VV	.104	.12198
6.452	931463	PV	.203	21.99759
7.896	1107	PV	.049	.02614
7.939	1601	VV	.037	.03781
8.056	11813	VV	.084	.27898
8.322	17963	VV	.155	.42422
9.064	2359	PV	.064	.05571
9.368	3753	VV	.087	.08863
9.578	20844	VV	.202	.49226
9.943	284654	VV	.220	6.72244
10.635	301807	VV	.214	7.12753
11.016	763156	VV	.230	18.02282
11.429	-8109	VV	.073	.19150
11.839	416598	VV	.236	9.83845
12.270	12756	VV	.092	.30125
12.299	21344	VV	.142	.50406
13.882	65954	BV	.207	1.55758
14.485	92145	PV	.200	2.17611
14.764	254932	VV	.233	6.02052
15.454	69351	BP	.208	1.63780
16.052	139326	VV	.225	3.29035
16.695	384991 I	VH	.222	9.09201

TOTAL AREA=4234387
MUL FACTOR=1.0000E+00

1A (GC) 0117 EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

WSPK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: CLJ-DD-01

Matrix: (soil/water) SOIL Lab Sample ID: N2W4105WS

Sample wt/vol: 5.00 (g/mL) G Lab File ID: D40482

Level: (low/med) LOW Date Received: N/A

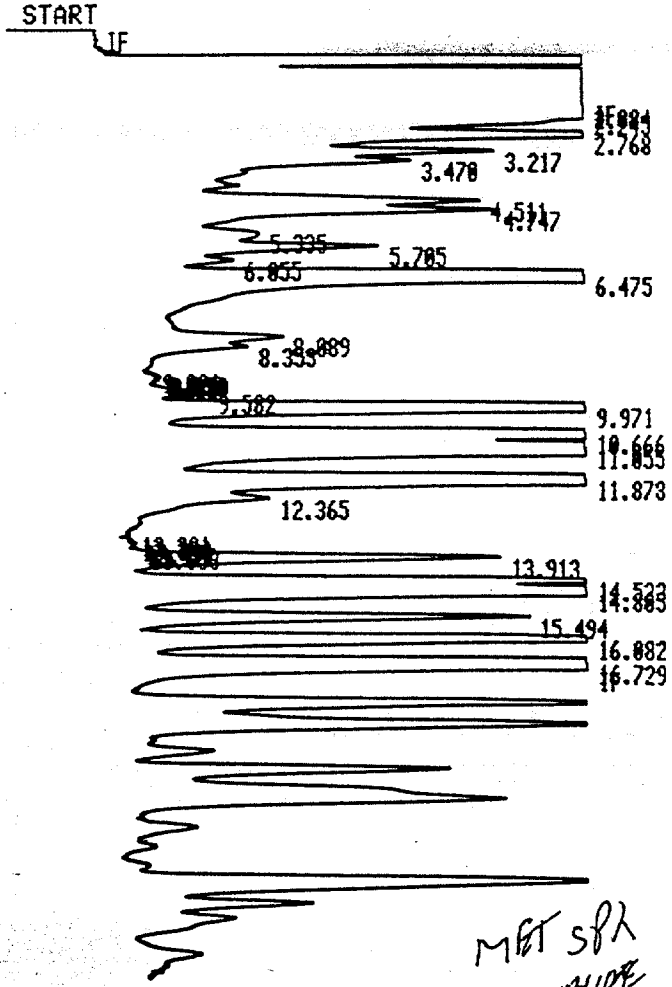
% Moisture: not dec. _____ Date Analyzed: 12/19/94

GC Column: _____ ID: _____ (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	Light hydrocarbons (C2 - C10)	1900	J

* RUN # 482 DEC 19, 1994 21:20:55



MET SPK
N2W4108

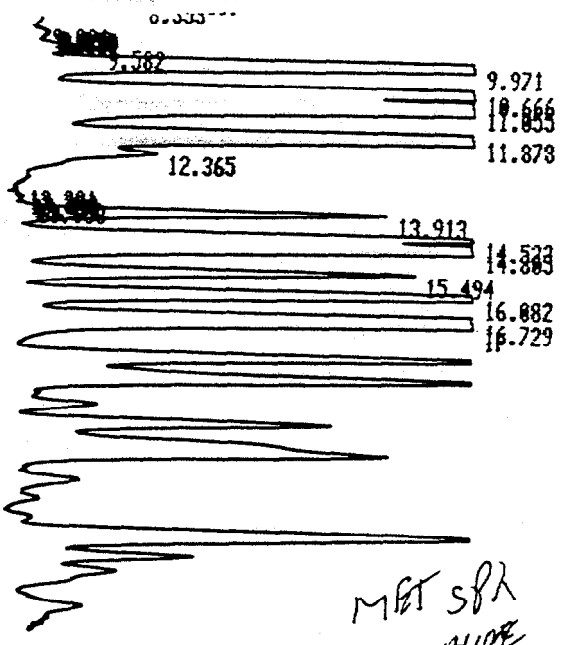
TIMETABLE STOP

RUN# 482 DEC 19, 1994 21:20:55

TVH BY M8015 FID; BENTONE COLUMN; GC-D4

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.084	358520	BV	.110	2.42985
2.245	250473	VP	.108	1.69757
2.768	276733	PP	.163	1.87554
3.217	97747	PV	.153	.66248
3.478	76370 I	VB	.168	.51759
4.511	215301	BV	.227	1.45919
4.747	211873	VV	.210	1.43596
5.335	24595	VV	.118	.16669
5.705	136857	VV	.210	.92754
6.055	27039	VP	.168	.18326
6.475	2372624	PB	.198	16.08034
8.089	92823	BV	.227	.62910
8.353	64750	VV	.210	.43884
9.069	1470	PV	.038	.00996
9.118	1369	VV	.027	.00928
9.159	2498	VV	.045	.01693
9.238	2223	VV	.040	.01507
9.582	51677	VV	.222	.35024
9.971	948592	VV	.221	6.42903
10.666	1069254	VV	.215	7.24682
11.055	2684400	VV	.233	18.19338
11.878	1470942	VV	.241	9.96924
12.365	167287	VV	.334	1.13378
13.281	1780	VP	.064	.01206
13.398	1947	PV	.056	.01320



MBT SPA
N2W4105

TIMETABLE STOP

RUN# 482 DEC 19, 1994 21:20:55

TYH BY M8015 FID; BENTONE COLUMN: GC-D4

AREAZ

RT	AREA	TYPE	WIDTH	AREAZ
2.084	358520	BV	.110	2.42985
2.245	250473	VP	.108	1.69757
2.768	276733	PP	.163	1.87554
3.217	97747	PV	.153	.66248
3.470	76370 I	VB	.168	.51759
4.511	215301	BV	.227	1.45919
4.747	211873	VV	.210	1.43596
5.335	24595	VV	.118	.16669
5.705	136857	VV	.210	.92754
6.055	27039	VP	.168	.18326
6.475	2372624	PB	.198	16.08034
8.089	92823	BV	.227	.62910
8.353	64750	VV	.210	.43884
9.069	1470	PV	.038	.00996
9.118	1369	VV	.027	.00928
9.159	2498	VV	.045	.01693
9.238	2223	VV	.040	.01507
9.582	51677	VV	.222	.35024
9.971	948592	VV	.221	6.42903
10.666	1069254	VV	.215	7.24682
11.055	2684400	VV	.233	18.19338
11.878	1470942	VV	.241	9.96924
12.365	167287	VV	.334	1.13378
13.281	1780	VP	.064	.01206
13.398	1947	PV	.056	.01320
13.491	2625	VV	.057	.01779
13.577	2323	VV	.054	.01574
13.653	1564	VV	.031	.01060
13.913	384278	VV	.230	2.06223
14.523	373150	VV	.197	2.52900
14.885	1037206	VV	.235	7.02961
15.494	313101	VP	.226	2.12203
16.082	548508	PV	.223	3.71748
16.729	1562921 I	PH	.214	10.59262

TOTAL AREA=1.4755E+07
MUL FACTOR=1.0000E+00

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0120 EPA SAMPLE NO.

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6023C

Sample wt/vol: 29.1 (g/mL) G Lab File ID: B5307

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 4 decanted: (Y/N) Date Extracted: 12/12/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~5.0~~ 125

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	43000	U
111-44-4	bis(2-Chloroethyl)ether	43000	U
95-57-8	2-Chlorophenol	43000	U
541-73-1	1,3-Dichlorobenzene	43000	U
106-46-7	1,4-Dichlorobenzene	43000	U
95-50-1	1,2-Dichlorobenzene	43000	U
95-48-7	2-Methylphenol	43000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	43000	U
106-44-5	4-Methylphenol	43000	U
621-64-7	N-Nitroso-di-n-propylamine	43000	U
67-72-1	Hexachloroethane	43000	U
98-95-3	Nitrobenzene	43000	U
78-59-1	Isophorone	43000	U
88-75-5	2-Nitrophenol	43000	U
105-67-9	2,4-Dimethylphenol	43000	U
111-91-1	bis(2-Chloroethoxy)methane	43000	U
120-83-2	2,4-Dichlorophenol	43000	U
120-82-1	1,2,4-Trichlorobenzene	43000	U
91-20-3	Naphthalene	43000	U
106-47-8	4-Chloroaniline	43000	U
87-68-3	Hexachlorobutadiene	43000	U
59-50-7	4-Chloro-3-methylphenol	43000	U
91-57-6	2-Methylnaphthalene	43000	U
77-47-4	Hexachlorocyclopentadiene	43000	U
88-06-2	2,4,6-Trichlorophenol	43000	U
95-95-4	2,4,5-Trichlorophenol	43000	U
91-58-7	2-Chloronaphthalene	43000	U
88-74-4	2-Nitroaniline	43000	U
131-11-3	Dimethylphthalate	43000	U
208-96-8	Acenaphthylene	43000	U
606-20-2	2,6-Dinitrotoluene	43000	U
99-09-2	3-Nitroaniline	43000	U
83-32-9	Acenaphthene	43000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0121 EPA SAMPLE NO.

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6023C

Sample wt/vol: 29.1 (g/mL) G Lab File ID: B5307

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 4 decanted: (Y/N) Date Extracted: 12/12/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~5.0~~ 1.25

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	210000	U
100-02-7	4-Nitrophenol	210000	U
132-64-9	Dibenzofuran	43000	U
121-14-2	2,4-Dinitrotoluene	43000	U
84-66-2	Diethylphthalate	43000	U
7005-72-3	4-Chlorophenyl-phenylether	43000	U
86-73-7	Fluorene	43000	U
100-01-6	4-Nitroaniline	43000	U
534-52-1	4,6-Dinitro-2-methylphenol	110000	U
101-55-3	4-Bromophenyl-phenylether	43000	U
86-30-6	N-Nitrosodiphenylamine (1)	43000	U
118-74-1	Hexachlorobenzene	43000	U
87-86-5	Pentachlorophenol	43000	U
85-01-8	Phenanthrene	43000	U
120-12-7	Anthracene	43000	U
86-74-8	Carbazole	43000	U
84-74-2	Di-n-butylphthalate	43000	U
206-44-0	Fluoranthene	43000	U
129-00-0	Pyrene	43000	U
85-68-2	Butylbenzylphthalate	43000	U
91-94-1	3,3'-Dichlorobenzidine	43000	U
56-55-3	Benzo(a)anthracene	43000	U
218-01-9	Chrysene	43000	U
117-81-7	bis(2-Ethylhexyl)phthalate	43000	U
117-84-0	Di-n-octylphthalate	43000	U
205-99-2	Benzo(b)fluoranthene	43000	U
207-08-9	Benzo(k)fluoranthene	43000	U
50-32-8	Benzo(a)pyrene	11000	J
193-39-5	Indeno(1,2,3-cd)pyrene	43000	U
53-70-3	Dibenz(a,h)anthracene	43000	U
191-24-2	Benzo(g,h,i)perylene	5900	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0122 EPA SAMPLE NO.

CLJ-DD-01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6023C

Sample wt/vol: 29.1 (g/mL) G Lab File ID: B5307

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 4 decanted: (Y/N) Date Extracted: 12/12/94

Concentrated Extract Volume: 25000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~5.0~~ 125

GPC Cleanup: (Y/N) N pH: 7.0

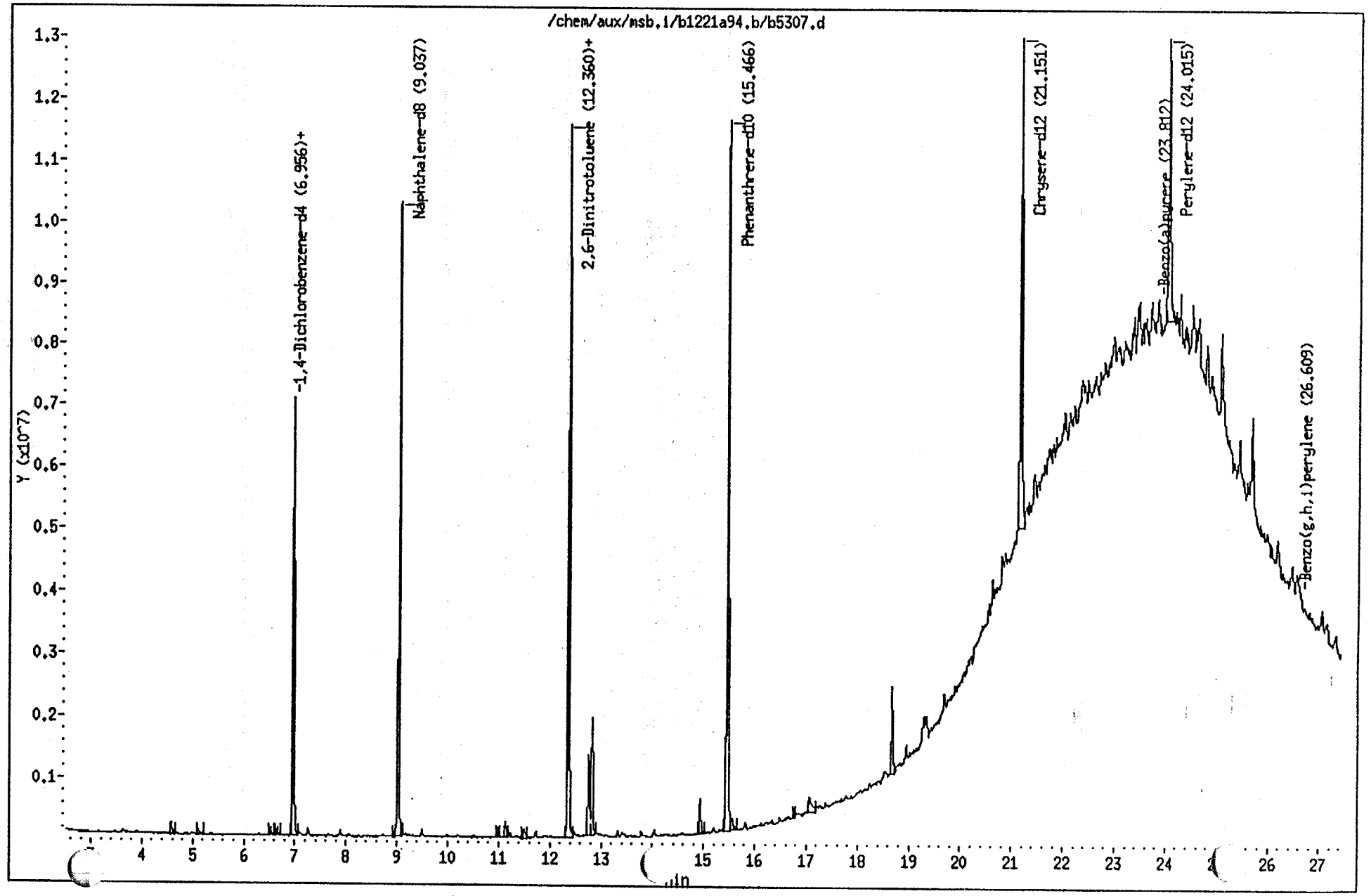
Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 91-60-1	2-Naphthalenethiol	12.76	9500	JN
2. 294-62-2	Cyclododecane	12.82	15000	JN
3.	unknown	18.68	11000	J

0123

Data File: /chem/aux/msb.i/b1221a94.b/b5307.d
Date : 22-DEC-94 10:14
Instrument : msb.i
Sample ID : clj-dd-01
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25



* Rerun Confirm

Data File: /chem/aux/msb.i/b1221a94.b/b5307.d
Report Date: 22-Dec-1994 12:03

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/aux/msb.i/b1221a94.b/b5307.d
Lab. Id. :
Quant Type: ISTD
Inj Date : 22-DEC-94 10:14
Autotune Date: {
Operator : Tom
Inst ID: msb.i
Smp Info : 15629n clj-dd-01
Misc Info : jn6023c,n2c41844,m1,2,5
Comment :
Method : /chem/aux/msb.i/b1221a94.b/bnaclpb.m
Meth Date : 21-Dec-1994 23:31
Cal Date : 21-DEC-94 23:00
Cal File: b5289.d
Als bottle: 20
Dil Factor: 1.000
Target Version: Target 3.00
Integrator: HP RTE
Compound Sublist: all.sub
Sample Matrix: WATER

12-30-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
*	1,4-Dichlorobenzene-d4	152.00	6.956	(1.000)	2305110	40.0		
$	1,2-Dichlorobenzene-D4	152.00	6.956	(1.000)	2305110	54.2	~~27.1(A)~~ 2T	
*	27 Naphthalene-d8	136.00	9.037	(1.000)	8004298	40.0		
	41 2,6-Dinitrotoluene	165.00	12.360	(1.000)	700627	18.7	~~9.37(aQ)~~	
*	44 Acenaphthene-d10	164.00	12.360	(1.000)	5104333	40.0		
*	60 Phenanthrene-d10	188.00	15.466	(1.000)	8902911	40.0		
*	71 Chrysene-d12	240.00	21.151	(1.000)	7097700	40.0		
	78 Benzo(a)pyrene	252.00	23.812	(0.992)	426946	5.12	2.56(a)	
*	79 Perylene-d12	264.00	24.015	(1.000)	2976891	40.0	* IS low	
	82 Benzo(g,h,i)perylene	276.00	26.609	(1.108)	184084	2.75	1.38(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/aux/msb.i/b1221a94.b/b5307.d

Date : 22-DEC-94 10:14

Instrument : msb.i

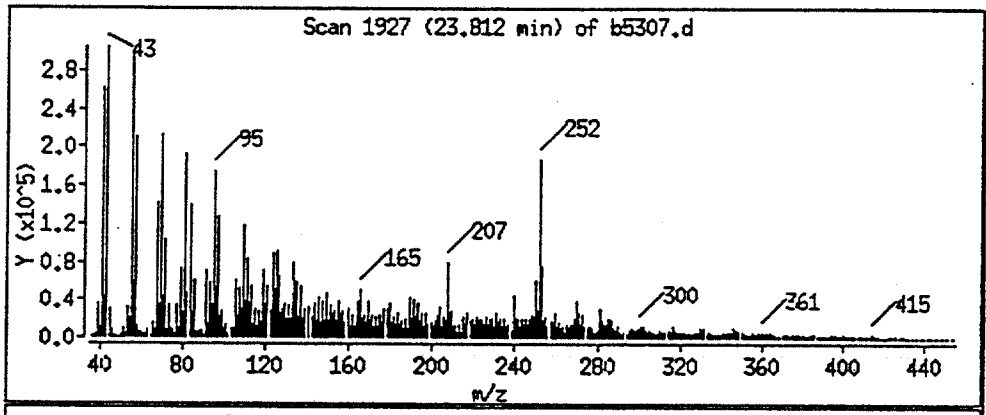
Sample ID : clj-dd-01

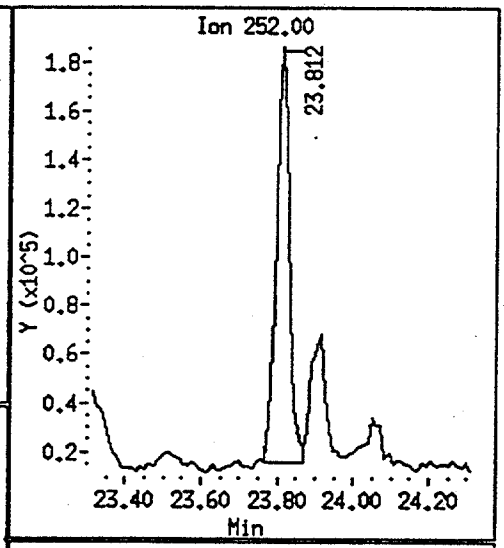
Column phase : J&W DB-5

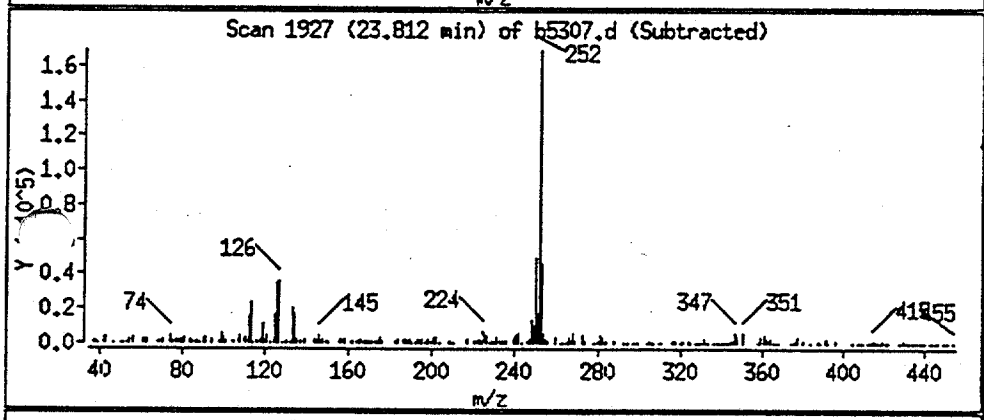
Column diameter : 0.25

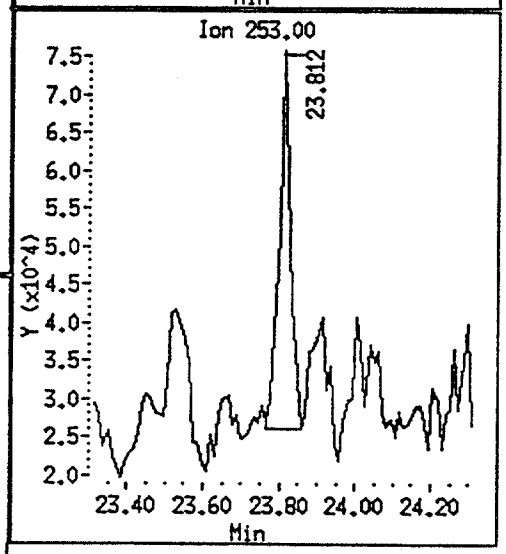
Volume Injected (uL) : 2.0

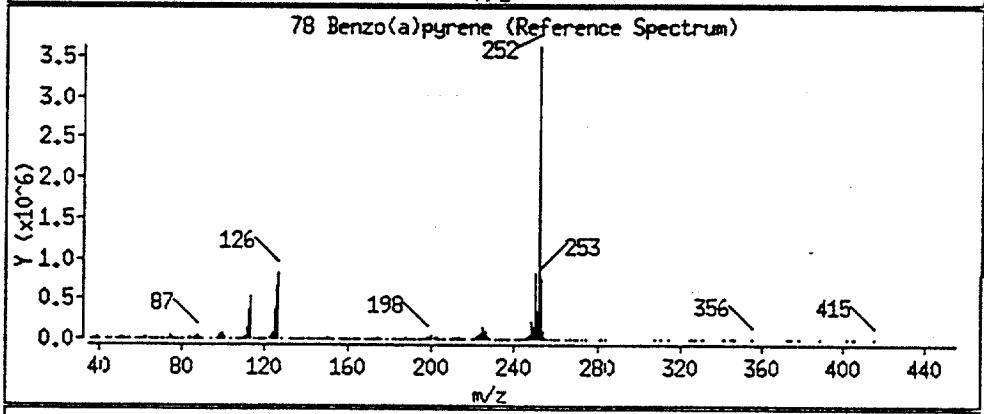
78 Benzo(a)pyrene

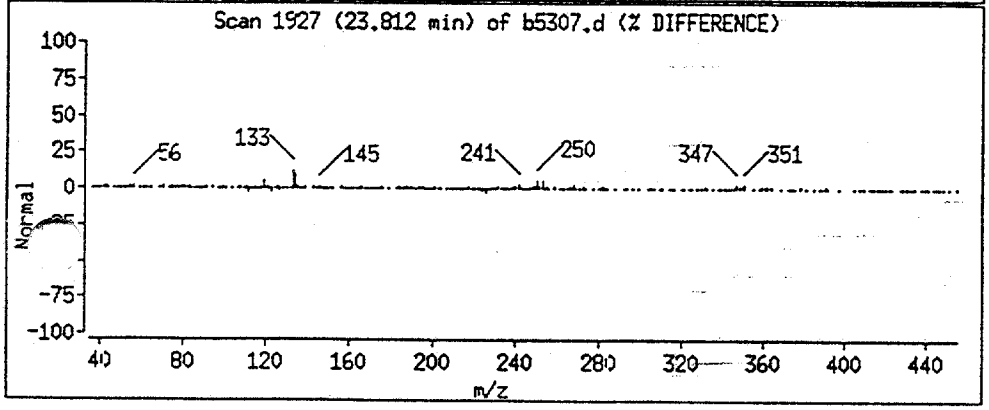












Data File: /chem/aux/msb.i/b1221a94.b/b5307.d

Date : 22-DEC-94 10:14

Instrument : msb.i

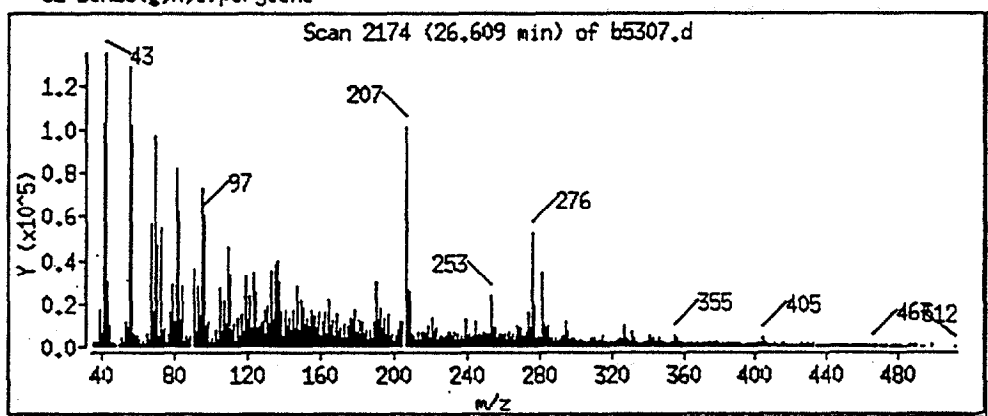
Sample ID : clj-dd-01

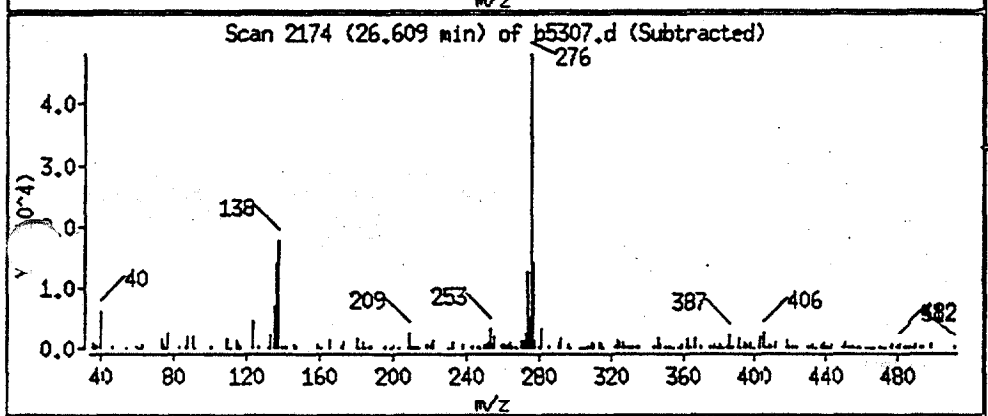
Column phase : J&W DB-5

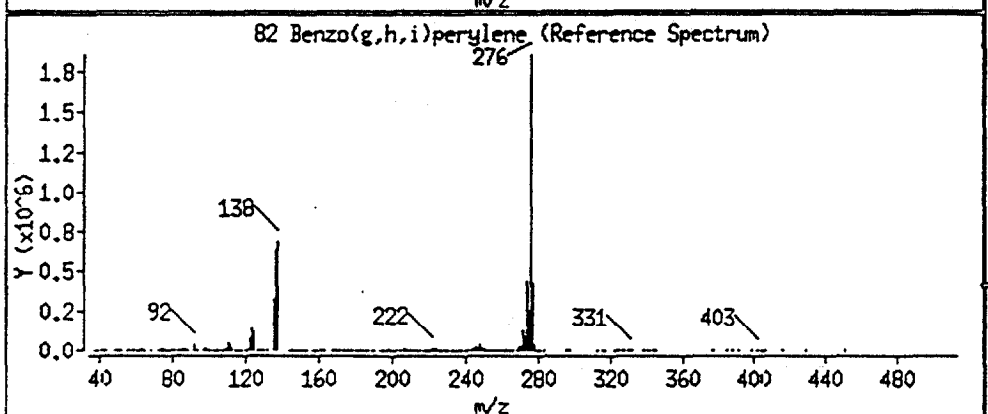
Column diameter : 0.25

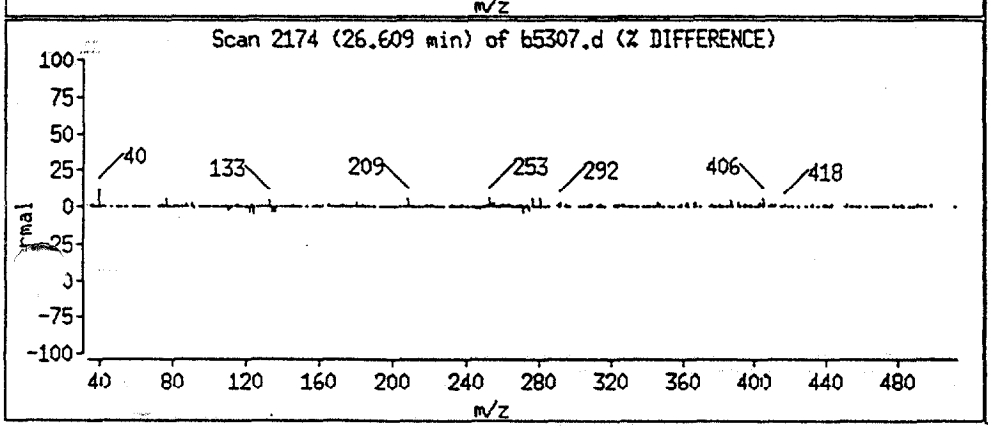
Volume Injected (uL) : 2.0

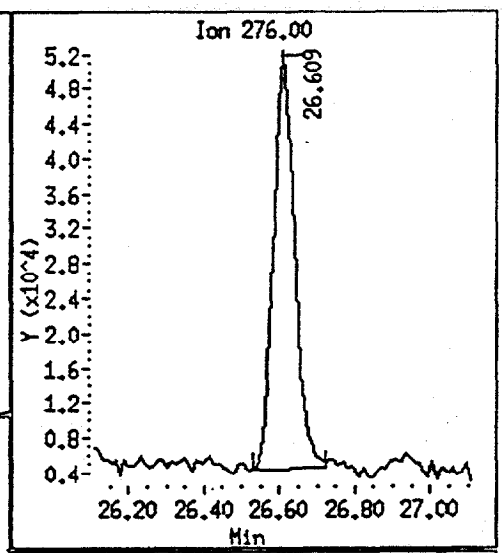
82 Benzo(g,h,i)perylene

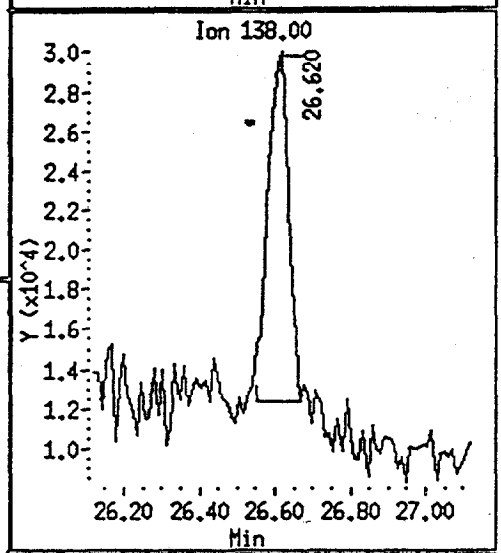


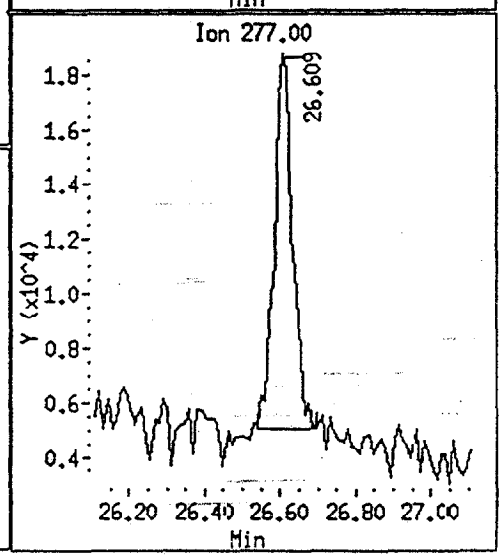






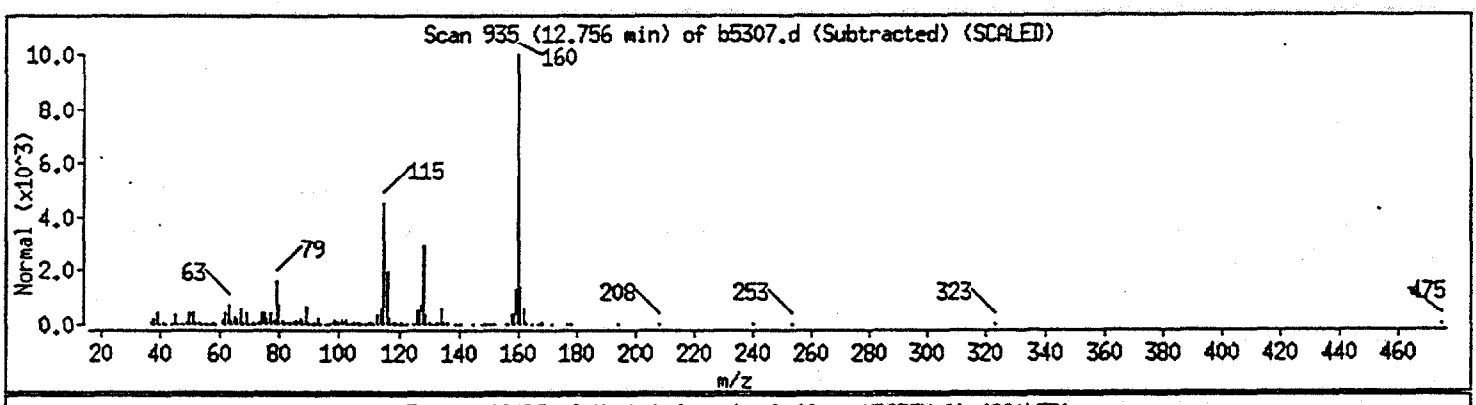


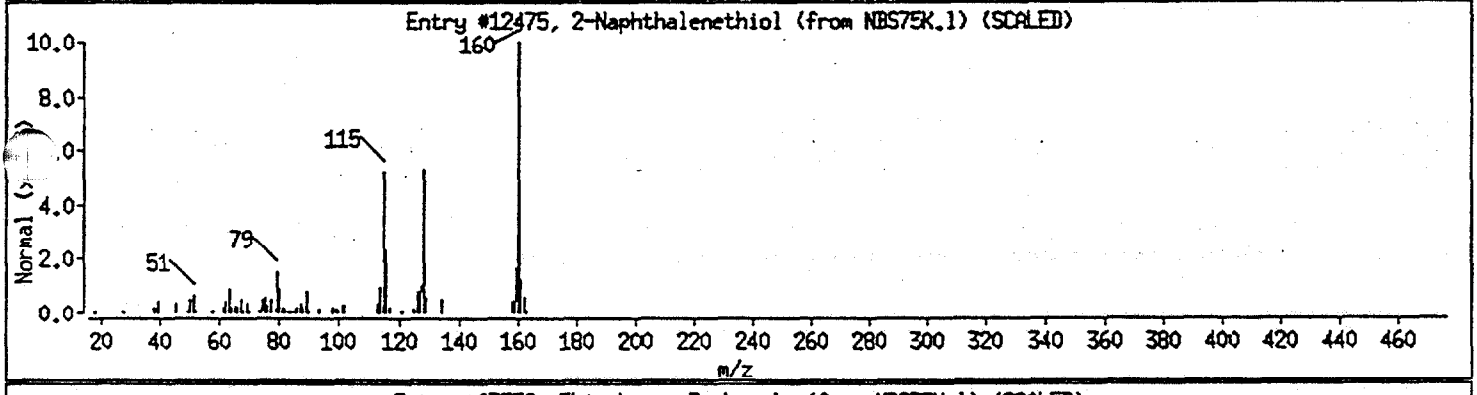


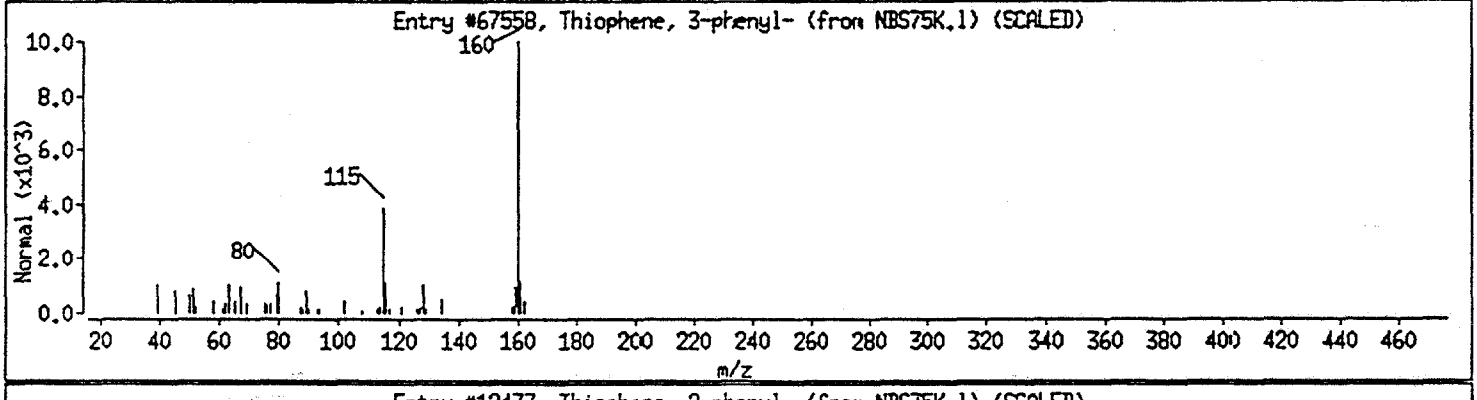


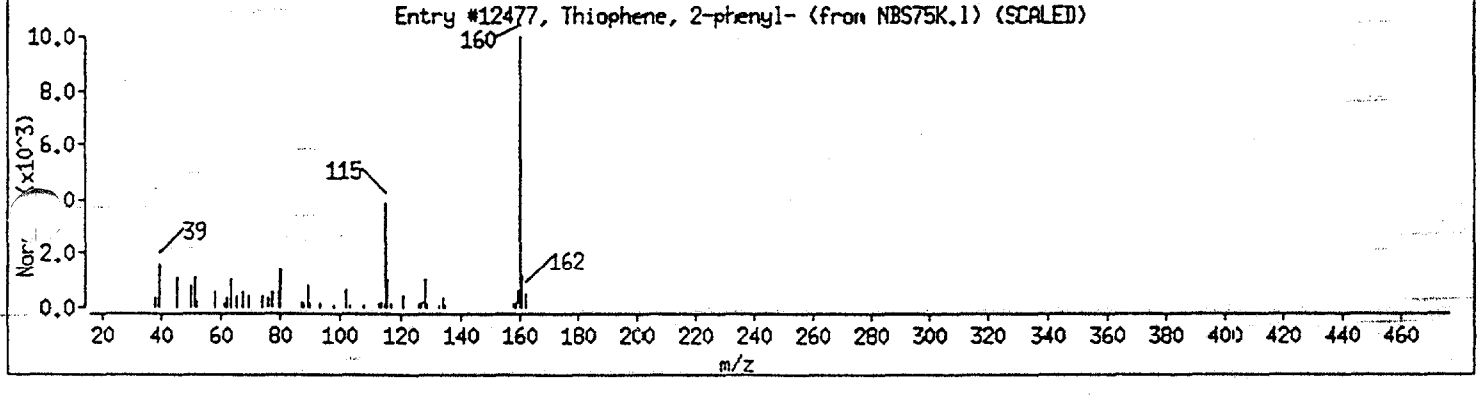
Data File: /chem/aux/msb.i/b1221a94.b/b5307.d
Date : 22-DEC-94 10:14
Instrument : msb.i
Sample ID : clj-dd-01
Column phase : J&W DB-5 Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
2-Naphthalenethiol	91-60-1	NBS75K.l	12475	94
Thiophene, 3-phenyl-	2404-87-7	NBS75K.l	67558	72
Thiophene, 2-phenyl-	825-55-8	NBS75K.l	12477	64





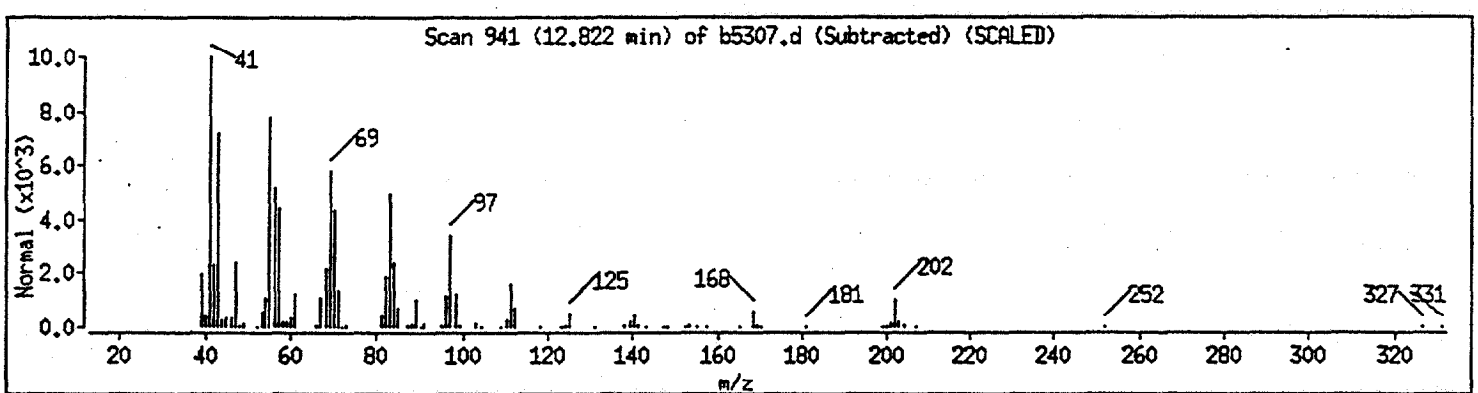


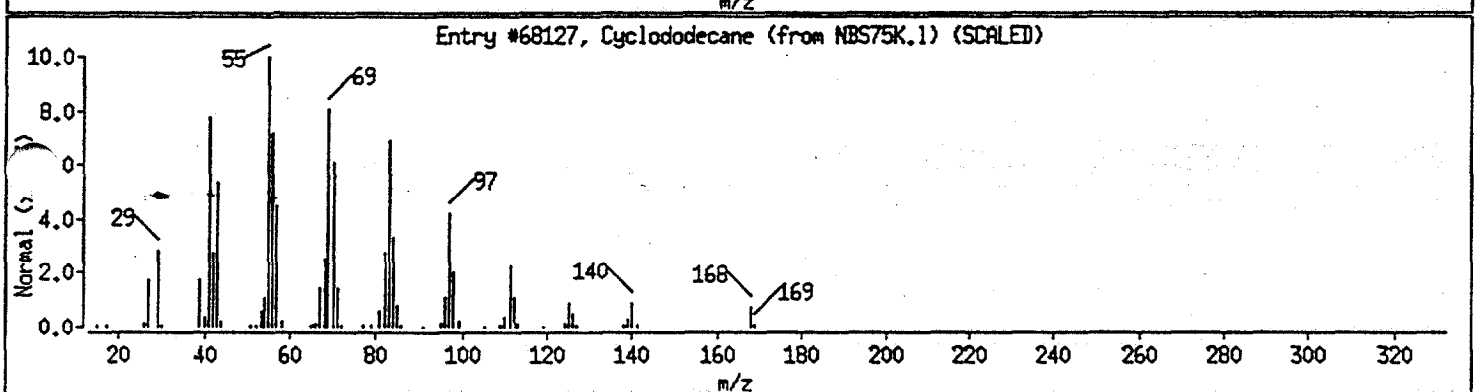


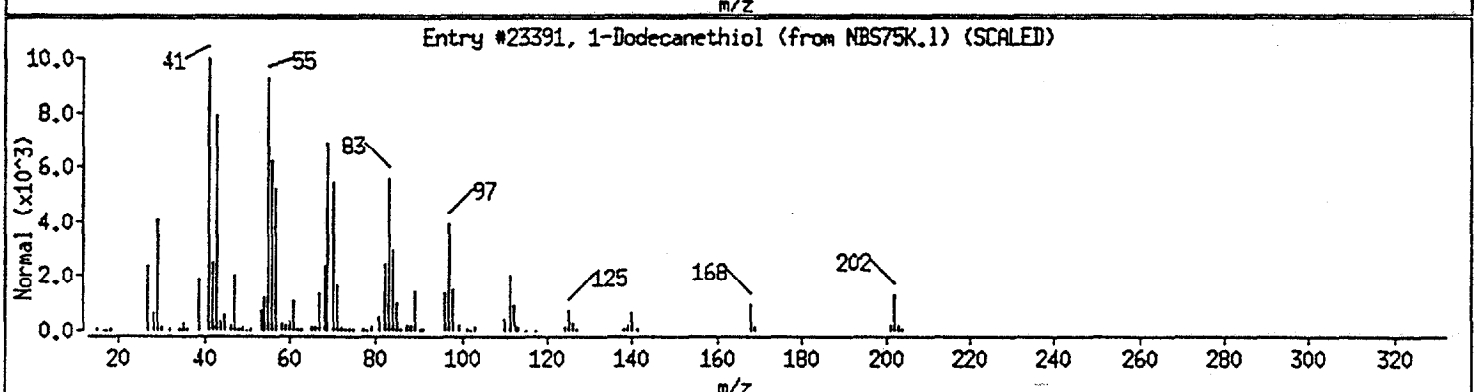
Data File: /chem/aux/msb.i/b1221a94.b/b5307.d

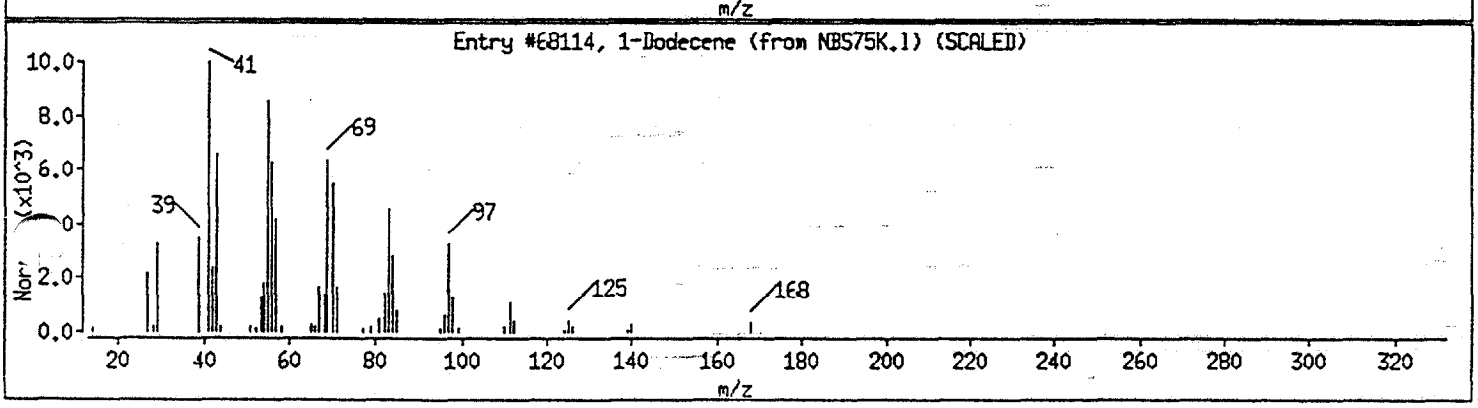
Date : 22-DEC-94 10:14
Instrument : msb.i
Sample ID : clj-dd-01
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
Cyclododecane	294-62-2	NBS75K.1	68127	99
1-Dodecanethiol	112-55-0	NBS75K.1	23391	99
1-Dodecene	112-41-4	NBS75K.1	68114	96





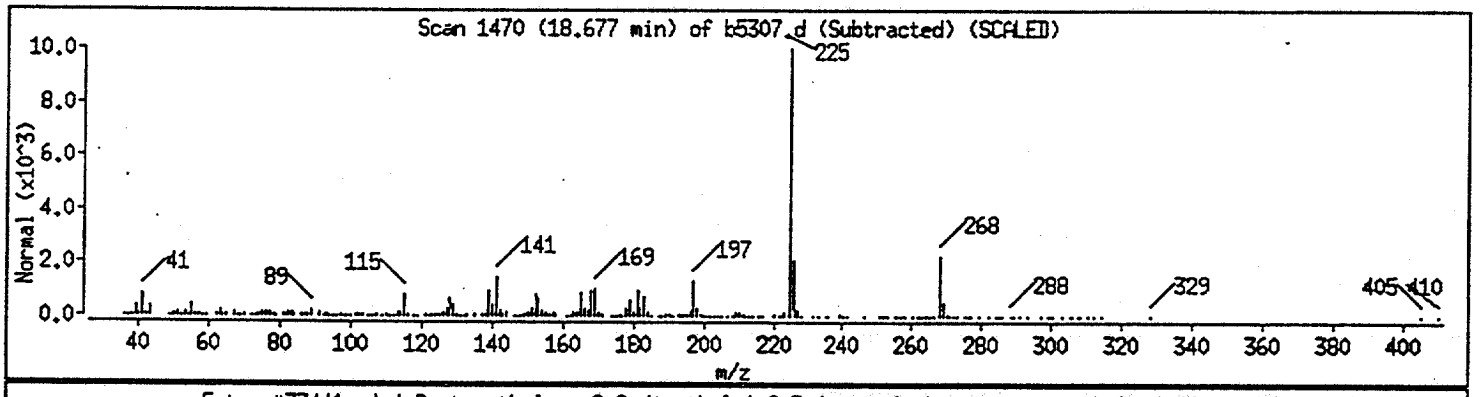


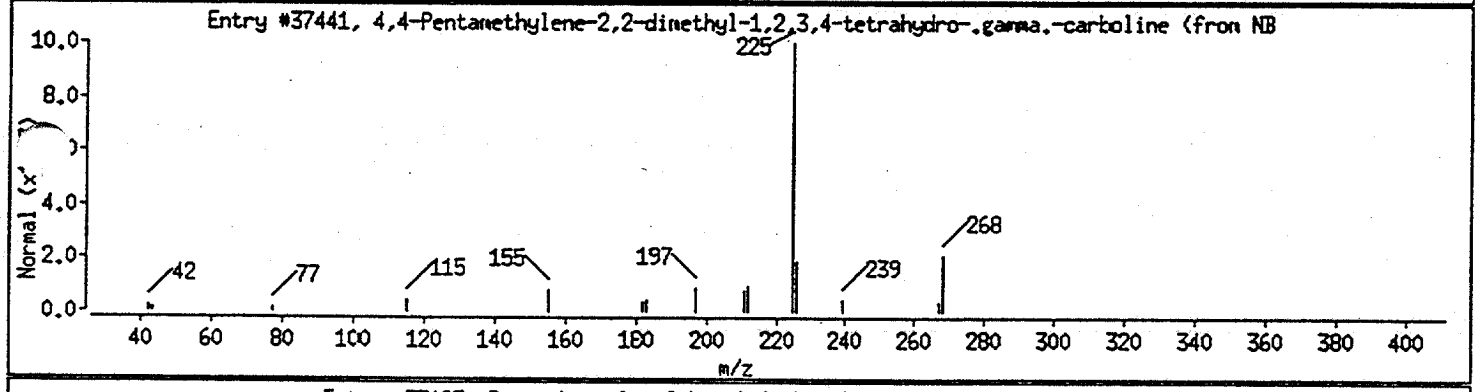


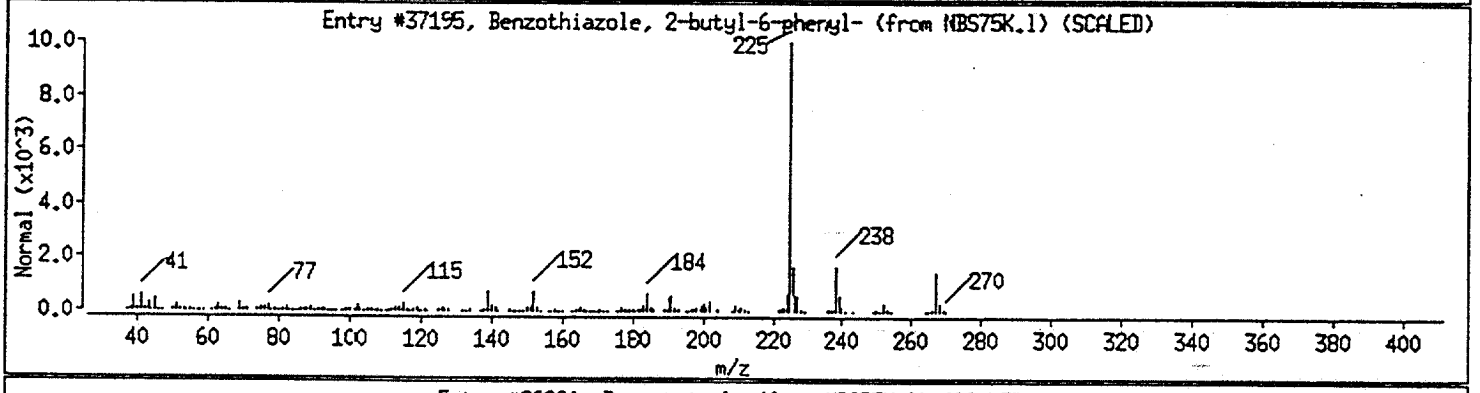
Data File: /chem/aux/msb.i/b1221a94.b/b5307.d

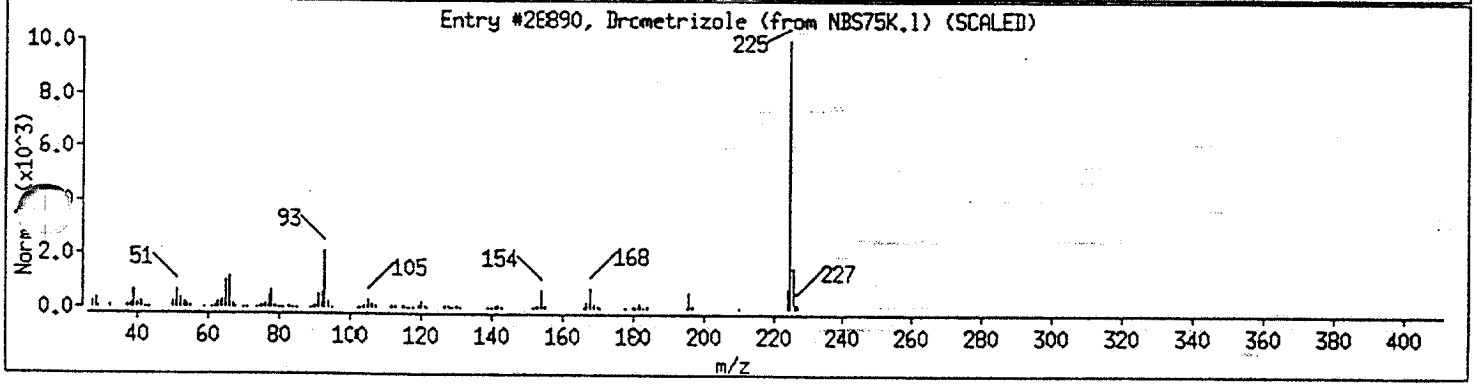
Date : 22-DEC-94 10:14
Instrument : msb.i
Sample ID : clj-dd-01
Column phase : J&W DB-5
Column diameter : 0.25
Volume Injected (uL) : 2.0

Library Search Compound Match	CAS Number	Library	Lib Entry	Quality
4,4-Pentamethylene-2,2-dimethyl-1,2,3,4-	0-00-0	NBS75K.1	37441	58
Benzothiazole, 2-butyl-6-phenyl-	55000-40-3	NBS75K.1	37195	38
Drometrizole	2440-22-4	NBS75K.1	28890	38









2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

0130

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK01	86	84	92	87	78	70			0
02	SSPK01	73	75	82	75	74	71			0
~~03~~	~~A02SS-74D~~	~~70~~	~~75~~	~~96~~	~~74~~	~~64~~	~~81~~			~~0~~
~~04~~	~~A02SS-83B~~	~~54~~	~~57~~	~~74~~	~~58~~	~~51~~	~~60~~			~~0~~
~~05~~	~~A02SS-92B~~	~~71~~	~~73~~	~~84~~	~~78~~	~~70~~	~~74~~			~~0~~
~~06~~	~~A02SS-107C~~	~~57~~	~~61~~	~~79~~	~~62~~	~~54~~	~~67~~			~~0~~
~~07~~	~~A02SS-108A~~	~~68~~	~~72~~	~~95~~	~~72~~	~~64~~	~~78~~			~~0~~
~~08~~	~~A01SS-105~~	~~71 D~~	~~77 D~~	~~75 D~~	~~83 D~~	~~70 D~~	~~71 D~~			~~0~~
~~09~~	~~A01SS-106~~	~~82 D~~	~~91 D~~	~~88 D~~	~~97 D~~	~~82 D~~	~~73 D~~			~~0~~
10	CLJ-DD-01	0 D	0 D	0 D	0 D	0 D	0 D			0
11	A01SS-104MS	95 D	112 D	119 D	109 D	91 D	96 D			0
12	A01SS-104MSD	97 D	109 D	131 D	106 D	93 D	88 D			0
13	A01SS-104	100 D	117 D	183 D	112 D	95 D	77 D			0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 1,2,4,5-Tetrachlorobenz		(advisory)
S8 (DCB)	= 1-Methylnaphthalene-d10		(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring compound diluted out

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

0131

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Matrix Spike - EPA Sample No.: A01SS-104 Level: (low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3400	0	3100	91 *	26- 90
2-Chlorophenol	3400	0	3200	94	25-102
1,4-Dichlorobenzene	2300	0	1900	83	28-104
N-Nitroso-di-n-propylami	2300	0	2200	96	41-126
1,2,4-Trichlorobenzene	2300	0	2100	91	38-107
4-Chloro-3-methylphenol	3400	0	3500	103	26-103
Acenaphthene	2300	0	2400	104	31-137
4-Nitrophenol	3400	0	3500	103	11-114
2,4-Dinitrotoluene	2300	22000	20000	0 *	28- 89
Pentachlorophenol	3400	0	3600	106	17-109
Pyrene	2300	2800	4000	52	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3500	3100	89	2	35	26- 90
2-Chlorophenol	3500	3200	91	2	50	25-102
1,4-Dichlorobenzene	2300	1800	78	6	27	28-104
N-Nitroso-di-n-propylami	2300	2400	104	8	38	41-126
1,2,4-Trichlorobenzene	2300	2200	96	4	23	38-107
4-Chloro-3-methylphenol	3500	3300	94	8	33	26-103
Acenaphthene	2300	2400	104	.7	19	31-137
4-Nitrophenol	3500	3200	91	11	50	11-114
2,4-Dinitrotoluene	2300	22000	0 *	200 *	47	28- 89
Pentachlorophenol	3500	2700	77	31	47	17-109
Pyrene	2300	4700	83	44 *	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

0132

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15226N SAS No.: N/A SDG No.: N2C41844

Matrix Spike - EPA Sample No.: SSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC	#	QC LIMITS REC.
Phenol	2500	0	1600	64		26- 90
2-Chlorophenol	2500	0	1600	64		25-102
1,4-Dichlorobenzene	1700	0	1100	65		28-104
N-Nitroso-di-n-propylami	1700	0	1100	65		41-126
1,2,4-Trichlorobenzene	1700	0	1200	71		38-107
4-Chloro-3-methylphenol	2500	0	1700	68		26-103
Acenaphthene	1700	0	1100	65		31-137
4-Nitrophenol	2500	0	2200	88		11-114
2,4-Dinitrotoluene	1700	0	1200	71		28- 89
Pentachlorophenol	2500	0	3100	124	*	17-109
Pyrene	1700	0	1100	65		35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 11 outside limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

0133 EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: ~~15629N~~ 15226N SAS No.: N/A SDG No.: N2C41844

Lab File ID: B5298 Lab Sample ID: N2C41844C

Instrument ID: MSB.e Date Extracted: 12/12/94

Matrix: (soil/water) SOIL Date Analyzed: 12/22/94

Level: (low/med) LOW Time Analyzed: 04:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
~~01~~	~~A02SS-74D~~	~~JN6152C~~	~~B5300~~	~~12/22/94~~
~~02~~	~~A02SS-83B~~	~~JN6153C~~	~~B5301~~	~~12/22/94~~
~~03~~	~~A02SS-92B~~	~~JN6154C~~	~~B5302~~	~~12/22/94~~
~~04~~	~~A02SS-107C~~	~~JN6155C~~	~~B5303~~	~~12/22/94~~
~~05~~	~~A02SS-108A~~	~~JN6156C~~	~~B5304~~	~~12/22/94~~
~~06~~	~~A01SS-105~~	~~JN6036C~~	~~B5328~~	~~12/28/94~~
~~07~~	~~A01SS-106~~	~~JN6037C~~	~~B5329~~	~~12/28/94~~
08	CLJ-DD-01	JN6023C	B5307	12/22/94
09	A01SS-104	JN6035C	B5369	12/30/94
10	A01SS-104MSD	JN6035CR	B5362	12/30/94
11	SSPK01	N2C41844CS	B5299	12/22/94
12	A01SS-104MS	JN6035CS	B5361	12/30/94

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: N/A Case No.: ~~15726N~~ SAS No.: N/A SDG No.: ~~A0255-FH~~ NC41844

Lab File ID: B5272 DFTPP Injection Date: 12/21/94

Instrument ID: MSB.E DFTPP Injection Time: 07:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0 (0)
69	Mass 69 relative abundance	55.4
70	Less than 2.0% of mass 69	0.1 (0.2)
127	25.0 - 75.0% of mass 198	40.3
197	Less than 1.0% of mass 198	0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	18.3
365	Greater than 0.75% of mass 198	2.05
441	Present, but less than mass 443	79
442	40.0 - 110.0% of mass 198	74.3
443	15.0 - 24.0% of mass 442	15.2 (20.4)

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	B5274	12/21/94	10:22
02	SSTD80	SSTD80	B5275		10:59
03	SSTD120	SSTD120	B5276		11:36
04	SSTD160	SSTD160	B5277		12:12
05	SSTD20	SSTD20	B5278		13:17
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