

STANDARDS DATA



RECRA  
ENVIRONMENTAL  
INC.

6A  
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: RECRA ENVIRON Contract: C002412  
 Lab Code: RECNY Case No.: RA093 SAS No.: \_\_\_\_\_ SDG No.: 81393  
 Instrument ID: I50H Calibration Date(s): 04/26/93 04/26/93  
 Heated Purge: (Y/N): Y Calibration Times: 0922 1258  
 GC Column: DB-624 ID: 0.530(mm)

LAB FILE ID: \_\_\_\_\_ RRF10 = H1794 RRF20 = H1795  
 RRF50 = H1798 RRF100 = H1796 RRF200 = H1797

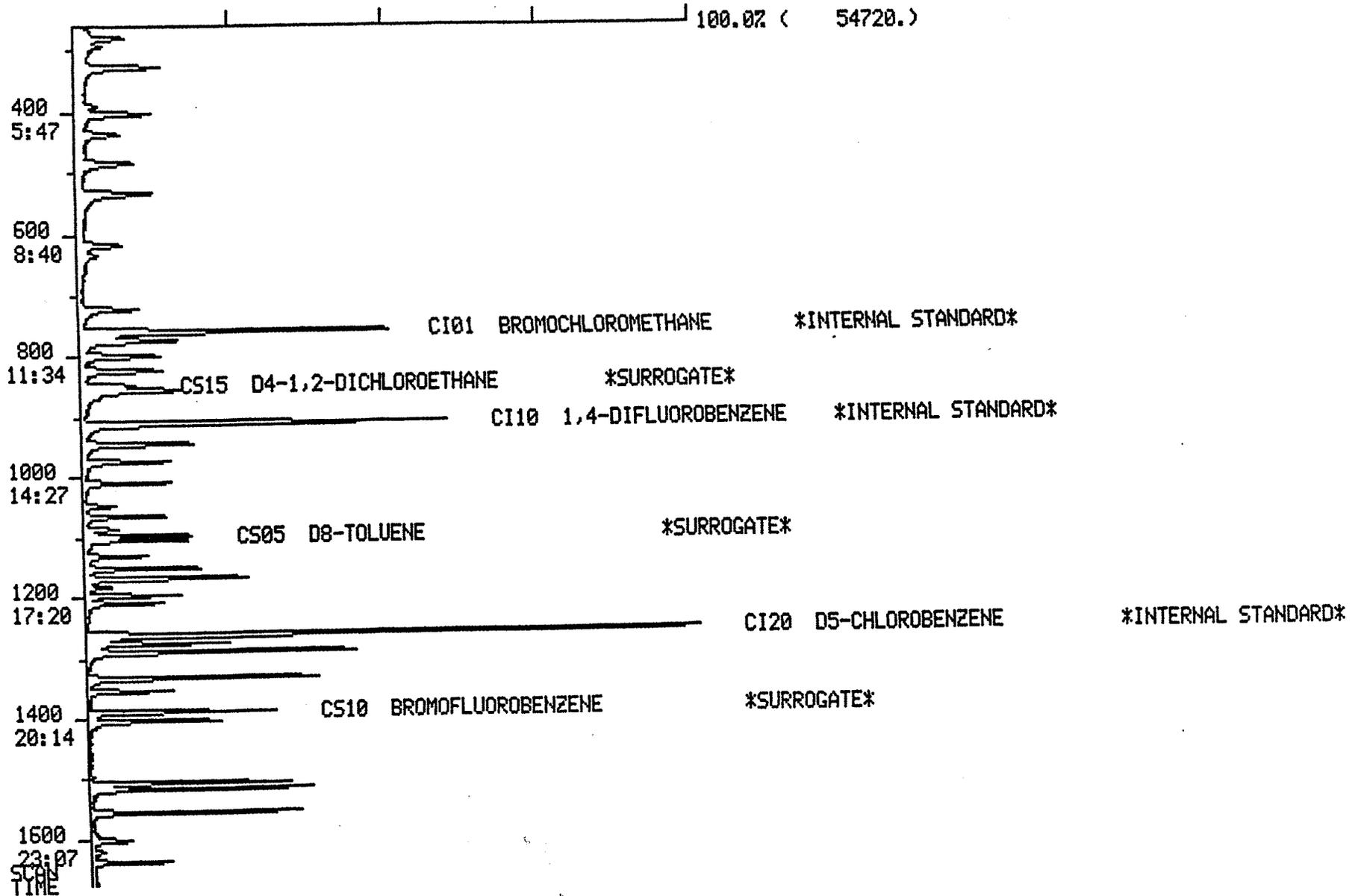
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Chloromethane	1.620	1.559	1.352	1.377	1.329	1.447	9.2
Bromomethane	* 1.646	1.432	1.402	1.410	1.247	1.427	10.0*
Vinyl Chloride	* 1.385	1.321	1.075	1.100	0.970	1.170	15.0*
Chloroethane	0.954	0.918	0.785	0.782	0.629	0.814	15.8
Methylene Chloride	1.724	1.459	1.219	1.196	1.054	1.330	19.8
Acetone	0.395	0.269	0.228	0.205	0.193	0.258	31.7
Carbon Disulfide	3.356	3.344	3.263	3.482	3.228	3.335	3.0
1,1-Dichloroethene	* 1.536	1.323	1.151	1.283	1.233	1.305	11.0*
1,1-Dichloroethane	* 2.880	2.474	2.128	2.177	2.145	2.361	13.7*
1,2-Dichloroethene (total)	1.416	1.366	1.238	1.242	1.210	1.294	7.0
Chloroform	* 3.672	3.240	2.849	2.910	2.790	3.092	11.9*
1,2-Dichloroethane	* 2.590	2.434	2.263	2.177	2.022	2.297	9.6*
2-Butanone	0.598	0.509	0.441	0.368	0.347	0.453	22.8
1,1,1-Trichloroethane	* 0.967	0.857	0.758	0.699	0.671	0.790	15.4*
Carbon Tetrachloride	* 0.834	0.822	0.693	0.687	0.686	0.744	10.3*
Bromodichloromethane	* 0.813	0.842	0.759	0.714	0.690	0.764	8.4*
1,2-Dichloropropane	0.490	0.439	0.364	0.347	0.347	0.397	16.2
cis-1,3-dichloropropene	* 0.724	0.661	0.613	0.583	0.571	0.630	10.0*
Trichloroethene	* 0.597	0.563	0.501	0.462	0.471	0.519	11.4*
Dibromochloromethane	* 0.731	0.734	0.730	0.717	0.725	0.727	0.9*
1,1,2-Trichloroethane	* 0.525	0.471	0.417	0.390	0.379	0.436	14.0*
Benzene	* 0.998	1.023	0.896	0.869	0.822	0.922	9.3*
trans-1,3-dichloropropene	* 0.493	0.492	0.448	0.434	0.445	0.462	6.1*
Bromoform	* 0.578	0.630	0.664	0.646	0.665	0.637	5.6*
4-Methyl-2-Pentanone	0.406	0.391	0.378	0.348	0.330	0.371	8.4
2-Hexanone	0.329	0.301	0.290	0.242	0.238	0.280	14.0
Tetrachloroethene	* 0.647	0.607	0.538	0.517	0.486	0.559	11.9*
1,1,2,2-Tetrachloroethane	* 0.951	0.886	0.833	0.765	0.704	0.828	11.8*
Toluene	* 1.192	1.147	1.046	1.026	0.958	1.074	8.8*
Chlorobenzene	* 1.221	1.112	0.965	0.933	0.912	1.029	12.9*
Ethylbenzene	* 0.443	0.431	0.391	0.390	0.368	0.405	7.7*
Styrene	* 0.978	0.977	0.894	0.881	0.859	0.918	6.1*
Total Xylenes	* 0.598	0.618	0.529	0.527	0.508	0.556	8.8*
Toluene-d8	1.145	1.078	0.951	0.939	0.922	1.007	9.8
Bromofluorobenzene	* 0.954	0.936	0.808	0.804	0.794	0.859	9.2*
1,2-Dichloroethane-d4	2.400	2.219	1.799	1.877	1.823	2.024	13.4

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.

DATA FROM FILE: H1794

SCANS 260 TO 1675 ACQUIRED: 04/26/93 9:22:00  
CALI: H1794 #3

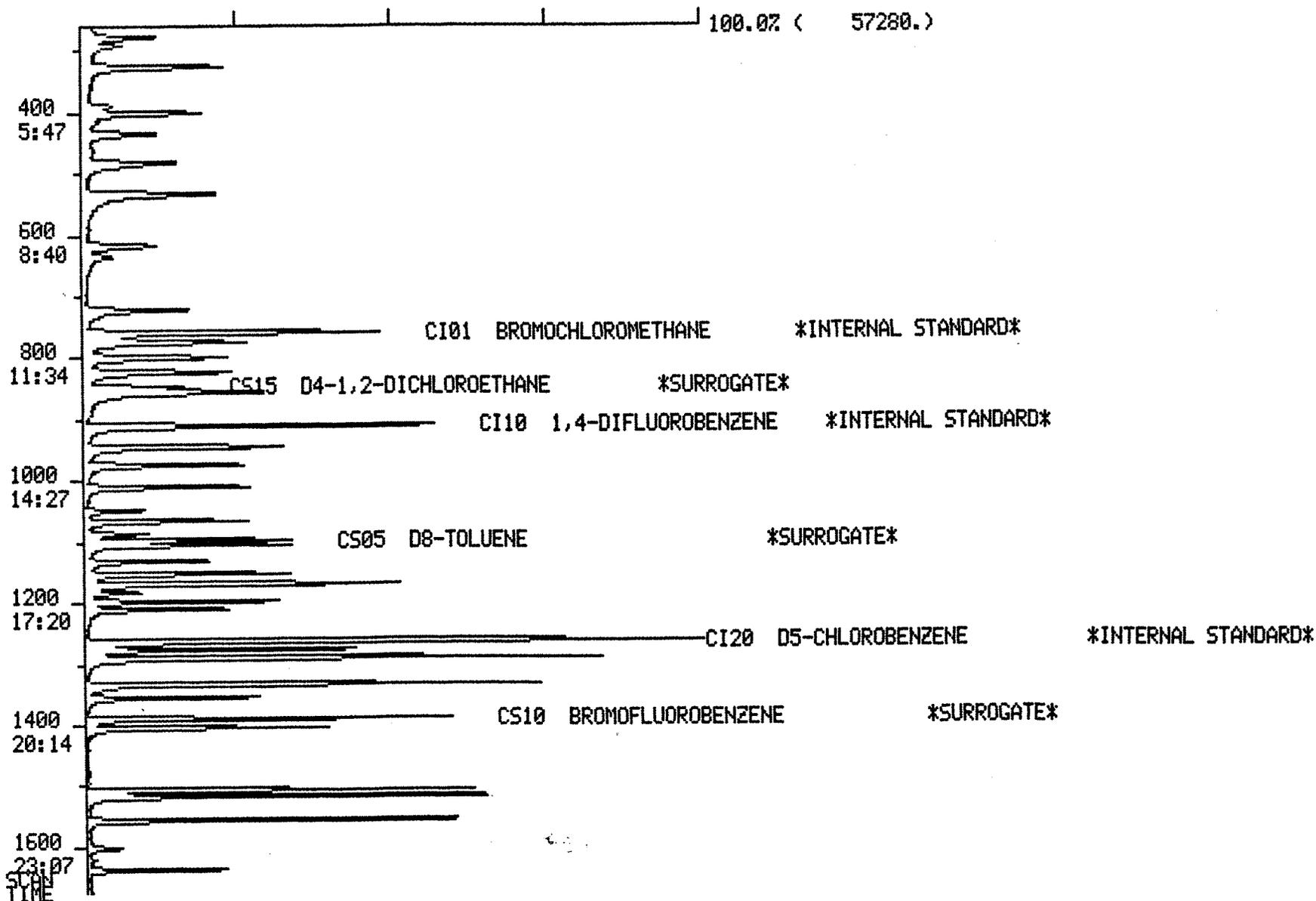
SAMPLE: VSTD010  
CONDS.: 150H



DATA FROM FILE: H1795

SCANS 260 TO 1675 ACQUIRED: 04/26/93 9:57:00  
CALI: H1795 #3

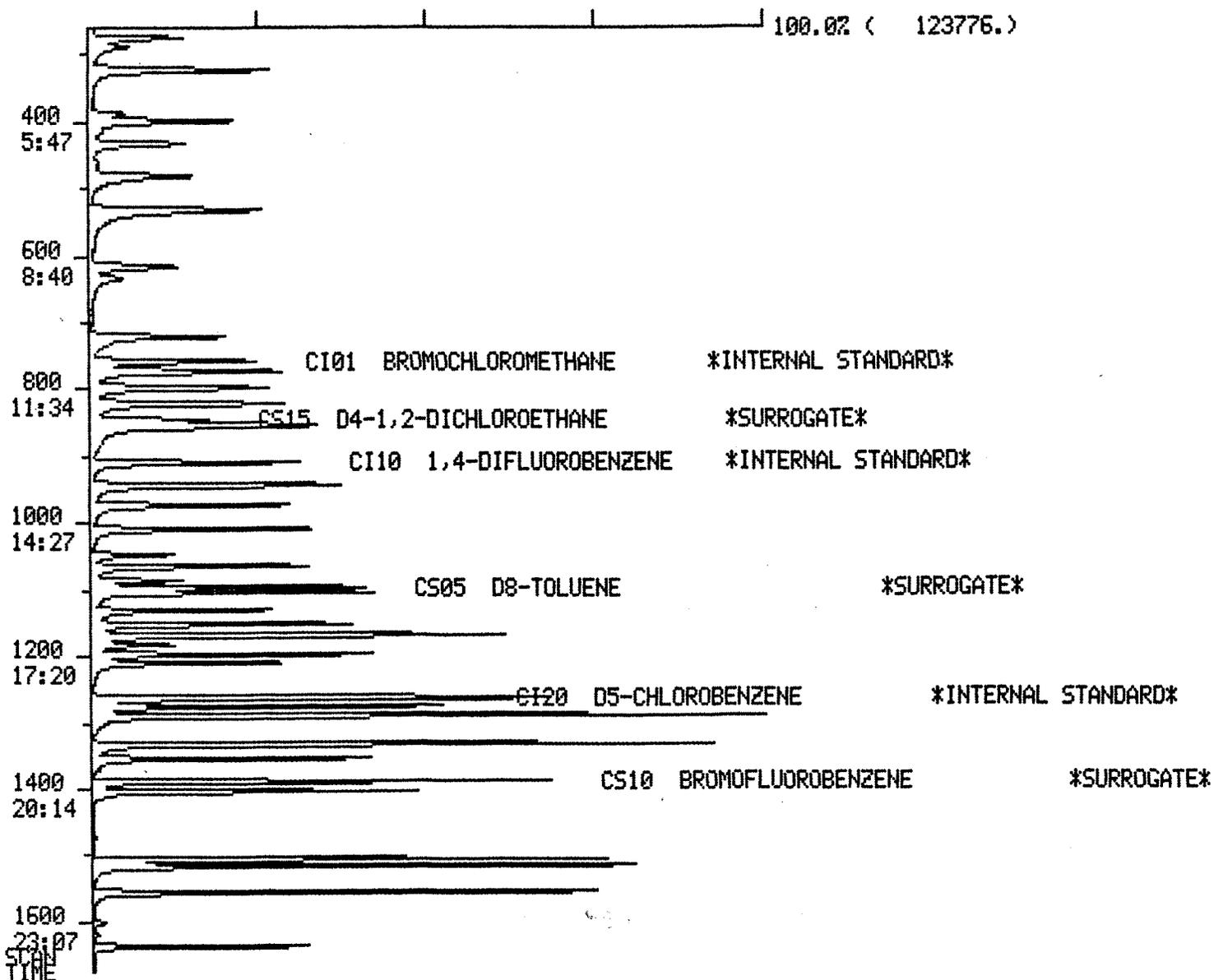
SAMPLE: USTD020  
CONDS.: I50H



DATA FROM FILE: H1798

SCANS 260 TO 1675 ACQUIRED: 04/26/93 12:58:00  
CALI: H1798 #3

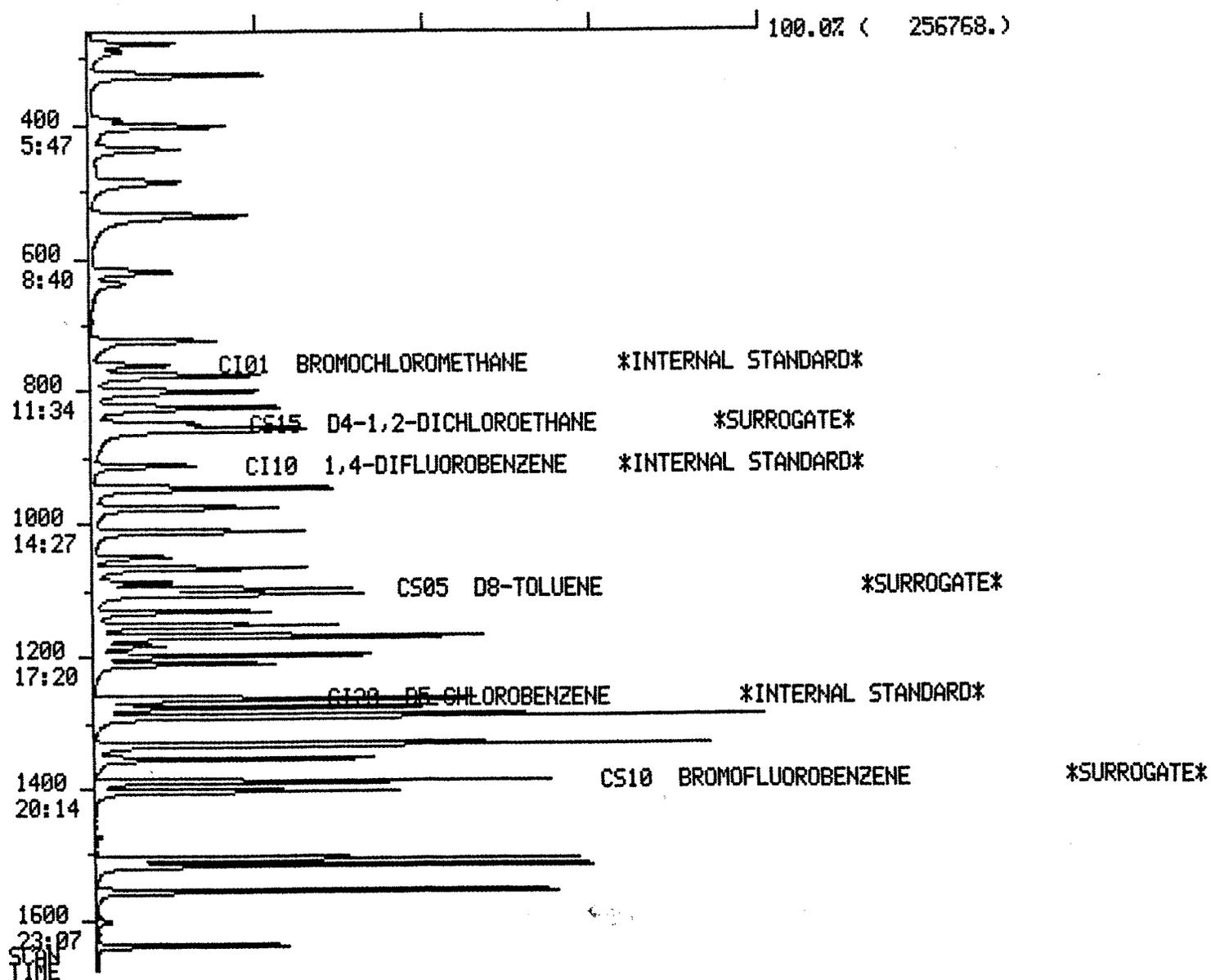
SAMPLE: USTD050  
CONDS.: I50H



DATA FROM FILE: H1796

SCANS 260 TO 1675 ACQUIRED: 04/26/93 10:33:00  
CALI: H1796 #3

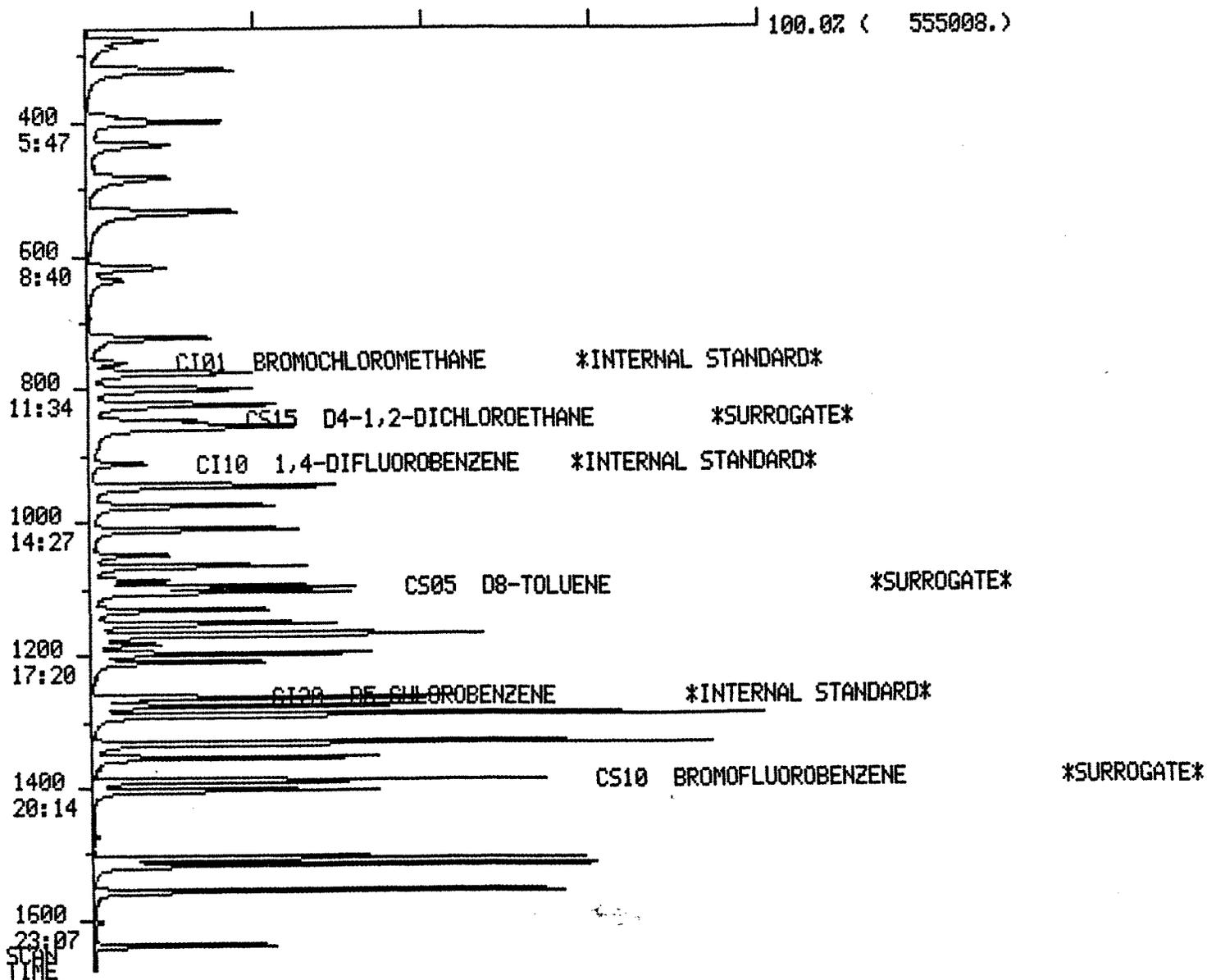
SAMPLE: USTD100  
CONDS.: I50H



DATA FROM FILE: H1797

SCANS 260 TO 1675 ACQUIRED: 04/26/93 11:12:00  
CALI: H1797 #3

SAMPLE: USTD200  
CONDS.: I50H



Quantitation Report File: H1794

Data: H1794.TI  
 04/26/93 9:22:00  
 Sample: VSTD010  
 Conds.: I50H  
 Formula:  
 Submitted by:

Instrument: I50H  
 Analyst: JJL

Weight: 0.000  
 Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
 Resp. fac. from Library Entry

No	Name	
1	CI01	BROMOCHLOROMETHANE *INTERNAL STANDARD*
2	CI10	1,4-DIFLUOROBENZENE *INTERNAL STANDARD*
3	CI20	D5-CHLOROBENZENE *INTERNAL STANDARD*
4	CS15	D4-1,2-DICHLOROETHANE *SURROGATE*
5	CS05	D8-TOLUENE *SURROGATE*
6	CS10	BROMOFLUOROBENZENE *SURROGATE*
7	C010	CHLOROMETHANE
8	C015	BROMOMETHANE
9	C020	VINYL CHLORIDE
10	C025	CHLOROETHANE
11	C030	METHYLENE CHLORIDE
12	C035	ACETONE
13	C040	CARBON DISULFIDE
14	C045	1,1-DICHLOROETHENE
15	C050	1,1-DICHLOROETHANE
16	C057	TRANS-1,2-DICHLOROETHENE
17	C060	CHLOROFORM
18	C065	1,2-DICHLOROETHANE
19	C110	2-BUTANONE
20	C115	1,1,1-TRICHLOROETHANE
21	C120	CARBON TETRACHLORIDE
22	C125	VINYL ACETATE
23	C130	BROMODICHLOROMETHANE
24	C056	CIS-1,2-DICHLOROETHENE
25	C036	ACROLEIN
26	C038	ACRYLONITRILE
27	C275	TRICHLOROFLUOROMETHANE
28	C300	ACETONITRILE
29	C140	1,2-DICHLOROPROPANE
30	C145	CIS-1,3-DICHLOROPROPENE
31	C150	TRICHLOROETHENE
32	C155	DIBROMOCHLOROMETHANE
33	C160	1,1,2-TRICHLOROETHANE
34	C165	BENZENE
35	C170	TRANS-1,3-DICHLOROPROPENE
36	C180	BROMOFORM
37	C161	2-CHLOROETHYL VINYL ETHER
38	C163	1,2-DIBROMOETHANE
39	C286	1,2-DIBROMO-3-CHLOROPROPANE
40	C210	4-METHYL-2-PENTANONE
41	C215	2-HEXANONE
42	C220	TETRACHLOROETHENE
43	C225	1,1,2,2-TETRACHLOROETHANE
44	C230	TOLUENE
45	C235	CHLOROBENZENE
46	C240	ETHYLBENZENE
47	C245	STYRENE

No Name  
 48 C246 M, P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1,3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	755	10:55	1	1.000	A BB	23730.	250.000 NG	6.10
2	114	907	13:06	2	1.000	A BB	79517.	250.000 NG	6.10
3	117	1258	18:11	3	1.000	A BB	74991.	250.000 NG	6.10
4	65	843	12:11	1	1.117	A BB	11390.	50.000 NG	1.22
5	98	1094	15:49	3	0.870	A BB	17173.	50.000 NG	1.22
6	95	1386	20:02	3	1.102	A BV	14308.	50.000 NG	1.22
7	50	220	3:11	1	0.291	A BB	7689.	50.000 NG	1.22
8	94	276	3:59	1	0.366	A BB	7812.	50.000 NG	1.22
9	62	234	3:23	1	0.310	A BB	6572.	50.000 NG	1.22
10	64	290	4:11	1	0.384	A BB	4525.	50.000 NG	1.22
11	84	482	6:58	1	0.638	A BB	8184.	50.000 NG	1.22
12	43	416	6:01	1	0.551	A BB	1877.	50.000 NG	1.22
13	76	433	6:15	1	0.574	A BB	15928.	50.000 NG	1.22
14	96	400	5:47	1	0.530	A BB	7289.	50.000 NG	1.22
15	63	615	8:53	1	0.815	A BB	13667.	50.000 NG	1.22
16	96	531	7:40	1	0.703	A BB	6109.	50.000 NG	1.22
17	83	770	11:08	1	1.020	A BB	17426.	50.000 NG	1.22
18	62	854	12:20	1	1.131	A BB	12290.	50.000 NG	1.22
19	43	728	10:31	1	0.964	A BV	2838.	50.000 NG	1.22
20	97	795	11:29	2	0.877	A BB	15381.	50.000 NG	1.22
21	117	819	11:50	2	0.903	A BB	13260.	50.000 NG	1.22
22	43	632	9:08	2	0.697	A BV	7204.	50.000 NG	1.22
23	83	1006	14:32	2	1.109	A BV	12936.	50.000 NG	1.22
24	96	718	10:23	1	0.951	A BV	7337.	50.000 NG	1.22
25	56	389	5:37	1	0.515	A BB	3709.	400.000 NG	9.76
26	53	530	7:40	1	0.702	A BB	8228.	400.000 NG	9.76
27	101	324	4:41	1	0.429	A BB	18364.	50.000 NG	1.22
28	41	460	6:39	1	0.609	M II	1405.	200.000 NG	4.88
29	63	971	14:02	2	1.071	A BB	7787.	50.000 NG	1.22
30	75	1062	15:21	2	1.171	A BB	11517.	50.000 NG	1.22
31	130	941	13:36	2	1.037	A BB	9490.	50.000 NG	1.22
32	129	1194	17:15	2	1.316	A BB	11625.	50.000 NG	1.22
33	97	1149	16:36	2	1.267	A BB	8346.	50.000 NG	1.22
34	78	850	12:17	2	0.937	A BB	15868.	50.000 NG	1.22
35	75	1128	16:18	2	1.244	A BB	7843.	50.000 NG	1.22
36	173	1351	19:31	2	1.490	A BB	9192.	50.000 NG	1.22
37	63	1045	15:06	2	1.152	A BB	3869.	50.000 NG	1.22
38	109	1207	17:27	2	1.331	A BB	11671.	50.000 NG	1.22
39	157	1634	23:37	2	1.802	A BB	4622.	50.000 NG	1.22
40	43	1083	15:39	3	0.861	A BB	6086.	50.000 NG	1.22
41	43	1179	17:02	3	0.937	A BB	4935.	50.000 NG	1.22
42	164	1165	16:50	3	0.926	A BB	9700.	50.000 NG	1.22
43	83	1400	20:14	3	1.113	A BB	14260.	50.000 NG	1.22
44	91	1101	15:55	3	0.875	A BB	17878.	50.000 NG	1.22
45	112	1261	18:13	3	1.002	A BB	18312.	50.000 NG	1.22
46	106	1273	18:24	3	1.012	A BB	6640.	50.000 NG	1.22
47	104	1331	19:14	3	1.058	A BV	14674.	50.000 NG	1.22
48	106	1286	18:35	3	1.022	A BB	18117.	100.000 NG	2.44
49	106	1329	19:12	3	1.056	A BB	8975.	50.000 NG	1.22
50	146	1503	21:43	3	1.195	A BV	19102.	50.000 NG	1.22

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt (L)	R.Fac	R.Fac(L)	Ratio
1	10:55	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	13:06	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	18:11	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	12:11	1.00	1.117	1.00	50.00	50.00	2.400	2.400	1.00
5	15:49	1.00	0.870	1.00	50.00	50.00	1.145	1.145	1.00
6	20:02	1.00	1.102	1.00	50.00	50.00	0.954	0.954	1.00
7	3:11	1.00	0.291	1.00	50.00	50.00	1.620	1.620	1.00
8	3:59	1.00	0.366	1.00	50.00	50.00	1.646	1.646	1.00
9	3:23	1.00	0.310	1.00	50.00	50.00	1.385	1.385	1.00
10	4:11	1.00	0.384	1.00	50.00	50.00	0.954	0.954	1.00
11	6:58	1.00	0.638	1.00	50.00	50.00	1.724	1.724	1.00
12	6:01	1.00	0.551	1.00	50.00	50.00	0.395	0.395	1.00
13	6:15	1.00	0.574	1.00	50.00	50.00	3.356	3.356	1.00
14	5:47	1.00	0.530	1.00	50.00	50.00	1.536	1.536	1.00
15	8:53	1.00	0.815	1.00	50.00	50.00	2.880	2.880	1.00
16	7:40	1.00	0.703	1.00	50.00	50.00	1.287	1.287	1.00
17	11:08	1.00	1.020	1.00	50.00	50.00	3.672	3.672	1.00
18	12:20	1.00	1.131	1.00	50.00	50.00	2.590	2.590	1.00
19	10:31	1.00	0.964	1.00	50.00	50.00	0.598	0.598	1.00
20	11:29	1.00	0.877	1.00	50.00	50.00	0.967	0.967	1.00
21	11:50	1.00	0.903	1.00	50.00	50.00	0.834	0.834	1.00
22	9:08	1.00	0.697	1.00	50.00	50.00	0.453	0.453	1.00
23	14:32	1.00	1.109	1.00	50.00	50.00	0.813	0.813	1.00
24	10:23	1.00	0.951	1.00	50.00	50.00	1.546	1.546	1.00
25	5:37	1.00	0.515	1.00	400.00	400.00	0.098	0.098	1.00
26	7:40	1.00	0.702	1.00	400.00	400.00	0.217	0.217	1.00
27	4:41	1.00	0.429	1.00	50.00	50.00	3.869	3.869	1.00
28	6:39	1.00	0.609	1.00	200.00	200.00	0.074	0.074	1.00
29	14:02	1.00	1.071	1.00	50.00	50.00	0.490	0.490	1.00
30	15:21	1.00	1.171	1.00	50.00	50.00	0.724	0.724	1.00
31	13:36	1.00	1.037	1.00	50.00	50.00	0.597	0.597	1.00
32	17:15	1.00	1.316	1.00	50.00	50.00	0.731	0.731	1.00
33	16:36	1.00	1.267	1.00	50.00	50.00	0.525	0.525	1.00
34	12:17	1.00	0.937	1.00	50.00	50.00	0.998	0.998	1.00
35	16:18	1.00	1.244	1.00	50.00	50.00	0.493	0.493	1.00
36	19:31	1.00	1.490	1.00	50.00	50.00	0.578	0.578	1.00
37	15:06	1.00	1.152	1.00	50.00	50.00	0.243	0.243	1.00
38	17:27	1.00	1.331	1.00	50.00	50.00	0.734	0.734	1.00
39	23:37	1.00	1.802	1.00	50.00	50.00	0.291	0.291	1.00
40	15:39	1.00	0.861	1.00	50.00	50.00	0.406	0.406	1.00
41	17:02	1.00	0.937	1.00	50.00	50.00	0.329	0.329	1.00
42	16:50	1.00	0.926	1.00	50.00	50.00	0.647	0.647	1.00
43	20:14	1.00	1.113	1.00	50.00	50.00	0.951	0.951	1.00
44	15:55	1.00	0.875	1.00	50.00	50.00	1.192	1.192	1.00
45	18:13	1.00	1.002	1.00	50.00	50.00	1.221	1.221	1.00
46	18:24	1.00	1.012	1.00	50.00	50.00	0.443	0.443	1.00
47	19:14	1.00	1.058	1.00	50.00	50.00	0.978	0.978	1.00
48	18:35	1.00	1.022	1.00	100.00	100.00	0.604	0.604	1.00
49	19:12	1.00	1.056	1.00	50.00	50.00	0.598	0.598	1.00
50	21:43	1.00	1.195	1.00	50.00	50.00	1.274	1.274	1.00

Data: H1794.TI  
04/26/93 9:22:00  
Sample: VSTD010  
Conds.: I50H  
Formula:  
Submitted by:

Instrument: I50H  
Analyst: JJJ

Weight: 0.000  
Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library Entry

No Name  
51 C267 1,4-DICHLOROBENZENE  
52 C249 1,2-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	146	1513	21:52	3	1.203	A VB	21212.	50.000 NG	1.22
52	146	1553	22:27	3	1.234	A BB	19311.	50.000 NG	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:52	1.00	1.203	1.00	50.00	50.00	1.414	1.414	1.00
52	22:27	1.00	1.234	1.00	50.00	50.00	1.288	1.288	1.00

Quantitation Report      File: H1795

Data: H1795.TI  
 04/26/93 9:57:00  
 Sample: VSTD020  
 Conds.: I50H  
 Formula:  
 Submitted by:

Instrument: I50H  
 Analyst: JJJ

Weight: 0.000  
 Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
 Resp. fac. from Library Entry

No	Name	
1	CI01 BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10 1,4-DIFLUOROBENZENE	*INTERNAL STANDARD*
3	CI20 D5-CHLOROBENZENE	*INTERNAL STANDARD*
4	CS15 D4-1,2-DICHLOROETHANE	*SURROGATE*
5	CS05 D8-TOLUENE	*SURROGATE*
6	CS10 BROMOFLUOROBENZENE	*SURROGATE*
7	C010 CHLOROMETHANE	
8	C015 BROMOMETHANE	
9	C020 VINYL CHLORIDE	
10	C025 CHLOROETHANE	
11	C030 METHYLENE CHLORIDE	
12	C035 ACETONE	
13	C040 CARBON DISULFIDE	
14	C045 1,1-DICHLOROETHENE	
15	C050 1,1-DICHLOROETHANE	
16	C057 TRANS-1,2-DICHLOROETHENE	
17	C060 CHLOROFORM	
18	C065 1,2-DICHLOROETHANE	
19	C110 2-BUTANONE	
20	C115 1,1,1-TRICHLOROETHANE	
21	C120 CARBON TETRACHLORIDE	
22	C125 VINYL ACETATE	
23	C130 BROMODICHLOROMETHANE	
24	C056 CIS-1,2-DICHLOROETHENE	
25	C036 ACROLEIN	
26	C038 ACRYLONITRILE	
27	C275 TRICHLOROFLUOROMETHANE	
28	C300 ACETONITRILE	
29	C140 1,2-DICHLOROPROPANE	
30	C145 CIS-1,3-DICHLOROPROPENE	
31	C150 TRICHLOROETHENE	
32	C155 DIBROMOCHLOROMETHANE	
33	C160 1,1,2-TRICHLOROETHANE	
34	C165 BENZENE	
35	C170 TRANS-1,3-DICHLOROPROPENE	
36	C180 BROMOFORM	
37	C161 2-CHLOROETHYL VINYL ETHER	
38	C163 1,2-DIBROMOETHANE	
39	C286 1,2-DIBROMO-3-CHLOROPROPANE	
40	C210 4-METHYL-2-PENTANONE	
41	C215 2-HEXANONE	
42	C220 TETRACHLOROETHENE	
43	C225 1,1,2,2-TETRACHLOROETHANE	
44	C230 TOLUENE	
45	C235 CHLOROBENZENE	
46	C240 ETHYLBENZENE	
47	C245 STYRENE	

No Name  
 48 C246 M, P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1, 3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	757	10:56	1	1.000	A BB	23954.	250.000 NG	3.36
2	114	908	13:07	2	1.000	A BB	77606.	250.000 NG	3.36
3	117	1259	18:12	3	1.000	A BB	76943.	250.000 NG	3.36
4	65	845	12:13	1	1.116	A BB	21261.	100.000 NG	1.34
5	98	1095	15:49	3	0.870	A BB	33187.	100.000 NG	1.34
6	95	1387	20:03	3	1.102	A BV	28802.	100.000 NG	1.34
7	50	219	3:10	1	0.289	A BB	14936.	100.000 NG	1.34
8	94	275	3:58	1	0.363	A BB	13718.	100.000 NG	1.34
9	62	232	3:21	1	0.306	A BB	12659.	100.000 NG	1.34
10	64	289	4:11	1	0.382	A BB	8794.	100.000 NG	1.34
11	84	481	6:57	1	0.635	A BB	13979.	100.000 NG	1.34
12	43	414	5:59	1	0.547	A BB	2574.	100.000 NG	1.34
13	76	433	6:15	1	0.572	A BB	32045.	100.000 NG	1.34
14	96	399	5:46	1	0.527	A BB	12675.	100.000 NG	1.34
15	63	615	8:53	1	0.812	A BB	23708.	100.000 NG	1.34
16	96	532	7:41	1	0.703	A BB	12159.	100.000 NG	1.34
17	83	772	11:09	1	1.020	A BB	31048.	100.000 NG	1.34
18	62	856	12:22	1	1.131	A BB	23318.	100.000 NG	1.34
19	43	730	10:33	1	0.964	A BB	4875.	100.000 NG	1.34
20	97	797	11:31	2	0.878	A BB	26618.	100.000 NG	1.34
21	117	821	11:52	2	0.904	A BB	25513.	100.000 NG	1.34
22	43	633	9:09	2	0.697	A BB	14735.	100.000 NG	1.34
23	83	1007	14:33	2	1.109	A BB	26150.	100.000 NG	1.34
24	96	719	10:23	1	0.950	A BB	14028.	100.000 NG	1.34
25	56	387	5:36	1	0.511	A BB	7312.	800.000 NG	10.74
26	53	530	7:40	1	0.700	A BB	16840.	800.000 NG	10.74
27	101	324	4:41	1	0.428	A BB	34513.	100.000 NG	1.34
28	41	460	6:39	1	0.608	A BB	2131.	400.000 NG	5.37
29	63	972	14:03	2	1.070	A BB	13642.	100.000 NG	1.34
30	75	1063	15:22	2	1.171	A BB	20505.	100.000 NG	1.34
31	130	942	13:37	2	1.037	A BB	17492.	100.000 NG	1.34
32	129	1195	17:16	2	1.316	A BB	22798.	100.000 NG	1.34
33	97	1150	16:37	2	1.267	A BB	14620.	100.000 NG	1.34
34	78	852	12:19	2	0.938	A BB	31763.	100.000 NG	1.34
35	75	1129	16:19	2	1.243	A BB	15259.	100.000 NG	1.34
36	173	1352	19:32	2	1.489	A BB	19544.	100.000 NG	1.34
37	63	1046	15:07	2	1.152	A BB	6671.	100.000 NG	1.34
38	109	1208	17:27	2	1.330	A BB	22005.	100.000 NG	1.34
39	157	1635	23:38	2	1.801	A BB	8337.	100.000 NG	1.34
40	43	1084	15:40	3	0.861	A BB	12048.	100.000 NG	1.34
41	43	1180	17:03	3	0.937	A BB	9275.	100.000 NG	1.34
42	164	1166	16:51	3	0.926	A BB	18679.	100.000 NG	1.34
43	83	1401	20:15	3	1.113	A BB	27278.	100.000 NG	1.34
44	91	1102	15:55	3	0.875	A BB	35312.	100.000 NG	1.34
45	112	1263	18:15	3	1.003	A BB	34239.	100.000 NG	1.34
46	106	1274	18:25	3	1.012	A BB	13274.	100.000 NG	1.34
47	104	1332	19:15	3	1.058	A BB	30065.	100.000 NG	1.34
48	106	1287	18:36	3	1.022	A VB	36761.	200.000 NG	2.68
49	106	1330	19:13	3	1.056	A BV	19028.	100.000 NG	1.34
50	146	1504	21:44	3	1.195	A BV	37098.	100.000 NG	1.34

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt (L)	R.Fac	R.Fac(L)	Ratio
1	10:55	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	13:06	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	18:11	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	12:11	1.00	1.117	1.00	100.00	100.00	2.219	2.219	1.00
5	15:49	1.00	0.870	1.00	100.00	100.00	1.078	1.078	1.00
6	20:02	1.00	1.102	1.00	100.00	100.00	0.936	0.936	1.00
7	3:11	1.00	0.291	0.99	100.00	100.00	1.559	1.559	1.00
8	3:59	1.00	0.366	0.99	100.00	100.00	1.432	1.432	1.00
9	3:23	0.99	0.310	0.99	100.00	100.00	1.321	1.321	1.00
10	4:11	1.00	0.384	0.99	100.00	100.00	0.918	0.918	1.00
11	6:58	1.00	0.638	1.00	100.00	100.00	1.459	1.459	1.00
12	6:01	1.00	0.551	0.99	100.00	100.00	0.269	0.269	1.00
13	6:15	1.00	0.574	1.00	100.00	100.00	3.344	3.344	1.00
14	5:47	1.00	0.530	0.99	100.00	100.00	1.323	1.323	1.00
15	8:53	1.00	0.815	1.00	100.00	100.00	2.474	2.474	1.00
16	7:40	1.00	0.703	1.00	100.00	100.00	1.269	1.269	1.00
17	11:08	1.00	1.020	1.00	100.00	100.00	3.240	3.240	1.00
18	12:20	1.00	1.131	1.00	100.00	100.00	2.434	2.434	1.00
19	10:31	1.00	0.964	1.00	100.00	100.00	0.509	0.509	1.00
20	11:29	1.00	0.877	1.00	100.00	100.00	0.857	0.857	1.00
21	11:50	1.00	0.903	1.00	100.00	100.00	0.822	0.822	1.00
22	9:08	1.00	0.697	1.00	100.00	100.00	0.475	0.475	1.00
23	14:32	1.00	1.109	1.00	100.00	100.00	0.842	0.842	1.00
24	10:23	1.00	0.951	1.00	100.00	100.00	1.464	1.464	1.00
25	5:37	0.99	0.515	0.99	800.00	800.00	0.095	0.095	1.00
26	7:40	1.00	0.702	1.00	800.00	800.00	0.220	0.220	1.00
27	4:41	1.00	0.429	1.00	100.00	100.00	3.602	3.602	1.00
28	6:39	1.00	0.609	1.00	400.00	400.00	0.056	0.056	1.00
29	14:02	1.00	1.071	1.00	100.00	100.00	0.439	0.439	1.00
30	15:21	1.00	1.171	1.00	100.00	100.00	0.661	0.661	1.00
31	13:36	1.00	1.037	1.00	100.00	100.00	0.563	0.563	1.00
32	17:15	1.00	1.316	1.00	100.00	100.00	0.734	0.734	1.00
33	16:36	1.00	1.267	1.00	100.00	100.00	0.471	0.471	1.00
34	12:17	1.00	0.937	1.00	100.00	100.00	1.023	1.023	1.00
35	16:18	1.00	1.244	1.00	100.00	100.00	0.492	0.492	1.00
36	19:31	1.00	1.490	1.00	100.00	100.00	0.630	0.630	1.00
37	15:06	1.00	1.152	1.00	100.00	100.00	0.215	0.215	1.00
38	17:27	1.00	1.331	1.00	100.00	100.00	0.709	0.709	1.00
39	23:37	1.00	1.802	1.00	100.00	100.00	0.269	0.269	1.00
40	15:39	1.00	0.861	1.00	100.00	100.00	0.391	0.391	1.00
41	17:02	1.00	0.937	1.00	100.00	100.00	0.301	0.301	1.00
42	16:50	1.00	0.926	1.00	100.00	100.00	0.607	0.607	1.00
43	20:14	1.00	1.113	1.00	100.00	100.00	0.886	0.886	1.00
44	15:55	1.00	0.875	1.00	100.00	100.00	1.147	1.147	1.00
45	18:13	1.00	1.002	1.00	100.00	100.00	1.112	1.112	1.00
46	18:24	1.00	1.012	1.00	100.00	100.00	0.431	0.431	1.00
47	19:14	1.00	1.058	1.00	100.00	100.00	0.977	0.977	1.00
48	18:35	1.00	1.022	1.00	200.00	200.00	0.597	0.597	1.00
49	19:12	1.00	1.056	1.00	100.00	100.00	0.618	0.618	1.00
50	21:43	1.00	1.195	1.00	100.00	100.00	1.205	1.205	1.00

Data: H1795.TI  
04/26/93 9:57:00  
Sample: VSTD020  
Conds.: I50H  
Formula:  
Submitted by:

Instrument: I50H  
Analyst: JJL

Weight: 0.000  
Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library Entry

No	Name
51	C267 1,4-DICHLOROBENZENE
52	C249 1,2-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	146	1513	21:52	3	1.202	A VB	39510.	100.000 NG	1.34
52	146	1553	22:27	3	1.234	A BB	36676.	100.000 NG	1.34

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:52	1.00	1.203	1.00	100.00	100.00	1.284	1.284	1.00
52	22:27	1.00	1.234	1.00	100.00	100.00	1.192	1.192	1.00

Data: H1798.TI  
04/26/93 12:58:00  
Sample: VSTD050  
Conds.: I50H

Formula: Instrument: I50H  
Submitted by: Analyst: JJL

Weight: 0.000  
Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library Entry

No	Name	
1	CI01 BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10 1,4-DIFLUOROBENZENE	*INTERNAL STANDARD*
3	CI20 D5-CHLOROBENZENE	*INTERNAL STANDARD*
4	CS15 D4-1,2-DICHLOROETHANE	*SURROGATE*
5	CS05 D8-TOLUENE	*SURROGATE*
6	CS10 BROMOFLUOROBENZENE	*SURROGATE*
7	C010 CHLOROMETHANE	
8	C015 BROMOMETHANE	
9	C020 VINYL CHLORIDE	
10	C025 CHLOROETHANE	
11	C030 METHYLENE CHLORIDE	
12	C035 ACETONE	
13	C040 CARBON DISULFIDE	
14	C045 1,1-DICHLOROETHENE	
15	C050 1,1-DICHLOROETHANE	
16	C057 TRANS-1,2-DICHLOROETHENE	
17	C060 CHLOROFORM	
18	C065 1,2-DICHLOROETHANE	
19	C110 2-BUTANONE	
20	C115 1,1,1-TRICHLOROETHANE	
21	C120 CARBON TETRACHLORIDE	
22	C125 VINYL ACETATE	
23	C130 BROMODICHLOROMETHANE	
24	C056 CIS-1,2-DICHLOROETHENE	
25	C036 ACROLEIN	
26	C038 ACRYLONITRILE	
27	C275 TRICHLOROFLUOROMETHANE	
28	C300 ACETONITRILE	
29	C140 1,2-DICHLOROPROPANE	
30	C145 CIS-1,3-DICHLOROPROPENE	
31	C150 TRICHLOROETHENE	
32	C155 DIBROMOCHLOROMETHANE	
33	C160 1,1,2-TRICHLOROETHANE	
34	C165 BENZENE	
35	C170 TRANS-1,3-DICHLOROPROPENE	
36	C180 BROMOFORM	
37	C161 2-CHLOROETHYL VINYL ETHER	
38	C163 1,2-DIBROMOETHANE	
39	C286 1,2-DIBROMO-3-CHLOROPROPANE	
40	C210 4-METHYL-2-PENTANONE	
41	C215 2-HEXANONE	
42	C220 TETRACHLOROETHENE	
43	C225 1,1,2,2-TETRACHLOROETHANE	
44	C230 TOLUENE	
45	C235 CHLOROBENZENE	
46	C240 ETHYLBENZENE	
47	C245 STYRENE	

No Name  
 48 C246 M,P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1,3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	756	10:55	1	1.000	A BB	26631.	250.000 NG	1.43
2	114	907	13:06	2	1.000	A BB	92137.	250.000 NG	1.43
3	117	1259	18:12	3	1.000	A BB	89793.	250.000 NG	1.43
4	65	844	12:12	1	1.116	A BB	47896.	250.000 NG	1.43
5	98	1094	15:49	3	0.869	A BB	85374.	250.000 NG	1.43
6	95	1387	20:03	3	1.102	A BV	72540.	250.000 NG	1.43
7	50	218	3:09	1	0.288	A BB	35998.	250.000 NG	1.43
8	94	273	3:57	1	0.361	A BB	37330.	250.000 NG	1.43
9	62	232	3:21	1	0.307	A BB	28628.	250.000 NG	1.43
10	64	287	4:09	1	0.380	A BB	20904.	250.000 NG	1.43
11	84	479	6:55	1	0.634	A BB	32472.	250.000 NG	1.43
12	43	414	5:59	1	0.548	A BB	6063.	250.000 NG	1.43
13	76	431	6:14	1	0.570	A BB	86905.	250.000 NG	1.43
14	96	397	5:44	1	0.525	A BB	30663.	250.000 NG	1.43
15	63	614	8:52	1	0.812	A BB	56659.	250.000 NG	1.43
16	96	530	7:40	1	0.701	A BB	30023.	250.000 NG	1.43
17	83	771	11:08	1	1.020	A BB	75863.	250.000 NG	1.43
18	62	855	12:21	1	1.131	A BB	60254.	250.000 NG	1.43
19	43	730	10:33	1	0.966	A BB	11754.	250.000 NG	1.43
20	97	796	11:30	2	0.878	A BB	69818.	250.000 NG	1.43
21	117	820	11:51	2	0.904	A BB	63895.	250.000 NG	1.43
22	43	632	9:08	2	0.697	A BB	36428.	250.000 NG	1.43
23	83	1007	14:33	2	1.110	A BB	69927.	250.000 NG	1.43
24	96	719	10:23	1	0.951	A BB	35907.	250.000 NG	1.43
25	56	386	5:35	1	0.511	A BB	21836.	2000.000 NG	11.43
26	53	530	7:40	1	0.701	A BB	44675.	2000.000 NG	11.43
27	101	321	4:38	1	0.425	A BB	90006.	250.000 NG	1.43
28	41	458	6:37	1	0.606	A BB	4602.	1000.000 NG	5.71
29	63	971	14:02	2	1.071	A BB	33556.	250.000 NG	1.43
30	75	1062	15:21	2	1.171	A BB	56507.	250.000 NG	1.43
31	130	941	13:36	2	1.037	A BB	46157.	250.000 NG	1.43
32	129	1195	17:16	2	1.318	A BB	67245.	250.000 NG	1.43
33	97	1149	16:36	2	1.267	A BB	38387.	250.000 NG	1.43
34	78	851	12:18	2	0.938	A BB	82561.	250.000 NG	1.43
35	75	1128	16:18	2	1.244	A BB	41249.	250.000 NG	1.43
36	173	1352	19:32	2	1.491	A BB	61203.	250.000 NG	1.43
37	63	1046	15:07	2	1.153	A BB	17586.	250.000 NG	1.43
38	109	1208	17:27	2	1.332	A BB	58895.	250.000 NG	1.43
39	157	1635	23:38	2	1.803	A BB	26524.	250.000 NG	1.43
40	43	1084	15:40	3	0.861	A BB	33980.	250.000 NG	1.43
41	43	1180	17:03	3	0.937	A BB	26055.	250.000 NG	1.43
42	164	1166	16:51	3	0.926	A BB	48303.	250.000 NG	1.43
43	83	1401	20:15	3	1.113	A BB	74801.	250.000 NG	1.43
44	91	1102	15:55	3	0.875	A BB	93949.	250.000 NG	1.43
45	112	1262	18:14	3	1.002	A BB	86630.	250.000 NG	1.43
46	106	1274	18:25	3	1.012	A BB	35137.	250.000 NG	1.43
47	104	1331	19:14	3	1.057	A BB	80291.	250.000 NG	1.43
48	106	1287	18:36	3	1.022	A VB	97334.	500.000 NG	2.86
49	106	1330	19:13	3	1.056	A BB	47510.	250.000 NG	1.43
50	146	1504	21:44	3	1.195	A BV	97977.	250.000 NG	1.43

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:55	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	13:06	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	18:11	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	12:11	1.00	1.117	1.00	250.00	250.00	1.799	1.799	1.00
5	15:49	1.00	0.870	1.00	250.00	250.00	0.951	0.951	1.00
6	20:02	1.00	1.102	1.00	250.00	250.00	0.808	0.808	1.00
7	3:11	0.99	0.291	0.99	250.00	250.00	1.352	1.352	1.00
8	3:59	0.99	0.366	0.99	250.00	250.00	1.402	1.402	1.00
9	3:23	0.99	0.310	0.99	250.00	250.00	1.075	1.075	1.00
10	4:11	0.99	0.384	0.99	250.00	250.00	0.785	0.785	1.00
11	6:58	0.99	0.638	0.99	250.00	250.00	1.219	1.219	1.00
12	6:01	1.00	0.551	0.99	250.00	250.00	0.228	0.228	1.00
13	6:15	1.00	0.574	0.99	250.00	250.00	3.263	3.263	1.00
14	5:47	0.99	0.530	0.99	250.00	250.00	1.151	1.151	1.00
15	8:53	1.00	0.815	1.00	250.00	250.00	2.128	2.128	1.00
16	7:40	1.00	0.703	1.00	250.00	250.00	1.127	1.127	1.00
17	11:08	1.00	1.020	1.00	250.00	250.00	2.849	2.849	1.00
18	12:20	1.00	1.131	1.00	250.00	250.00	2.263	2.263	1.00
19	10:31	1.00	0.964	1.00	250.00	250.00	0.441	0.441	1.00
20	11:29	1.00	0.877	1.00	250.00	250.00	0.758	0.758	1.00
21	11:50	1.00	0.903	1.00	250.00	250.00	0.693	0.693	1.00
22	9:08	1.00	0.697	1.00	250.00	250.00	0.395	0.395	1.00
23	14:32	1.00	1.109	1.00	250.00	250.00	0.759	0.759	1.00
24	10:23	1.00	0.951	1.00	250.00	250.00	1.348	1.348	1.00
25	5:37	0.99	0.515	0.99	2000.00	2000.00	0.102	0.102	1.00
26	7:40	1.00	0.702	1.00	2000.00	2000.00	0.210	0.210	1.00
27	4:41	0.99	0.429	0.99	250.00	250.00	3.380	3.380	1.00
28	6:39	1.00	0.609	0.99	1000.00	1000.00	0.043	0.043	1.00
29	14:02	1.00	1.071	1.00	250.00	250.00	0.364	0.364	1.00
30	15:21	1.00	1.171	1.00	250.00	250.00	0.613	0.613	1.00
31	13:36	1.00	1.037	1.00	250.00	250.00	0.501	0.501	1.00
32	17:15	1.00	1.316	1.00	250.00	250.00	0.730	0.730	1.00
33	16:36	1.00	1.267	1.00	250.00	250.00	0.417	0.417	1.00
34	12:17	1.00	0.937	1.00	250.00	250.00	0.896	0.896	1.00
35	16:18	1.00	1.244	1.00	250.00	250.00	0.448	0.448	1.00
36	19:31	1.00	1.490	1.00	250.00	250.00	0.664	0.664	1.00
37	15:06	1.00	1.152	1.00	250.00	250.00	0.191	0.191	1.00
38	17:27	1.00	1.331	1.00	250.00	250.00	0.639	0.639	1.00
39	23:37	1.00	1.802	1.00	250.00	250.00	0.288	0.288	1.00
40	15:39	1.00	0.861	1.00	250.00	250.00	0.378	0.378	1.00
41	17:02	1.00	0.937	1.00	250.00	250.00	0.290	0.290	1.00
42	16:50	1.00	0.926	1.00	250.00	250.00	0.538	0.538	1.00
43	20:14	1.00	1.113	1.00	250.00	250.00	0.833	0.833	1.00
44	15:55	1.00	0.875	1.00	250.00	250.00	1.046	1.046	1.00
45	18:13	1.00	1.002	1.00	250.00	250.00	0.965	0.965	1.00
46	18:24	1.00	1.012	1.00	250.00	250.00	0.391	0.391	1.00
47	19:14	1.00	1.058	1.00	250.00	250.00	0.894	0.894	1.00
48	18:35	1.00	1.022	1.00	500.00	500.00	0.542	0.542	1.00
49	19:12	1.00	1.056	1.00	250.00	250.00	0.529	0.529	1.00
50	21:43	1.00	1.195	1.00	250.00	250.00	1.091	1.091	1.00

Quantitation Report      File: H1798

Data: H1798.TI  
04/26/93 12:58:00  
Sample: VSTD050  
Conds.: I50H  
Formula:  
Submitted by:Instrument: I50H  
Analyst: JJJWeight: 0.000  
Acct. No.:AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library EntryNo Name  
51 C267 1,4-DICHLOROBENZENE  
52 C249 1,2-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	146	1513	21:52	3	1.202	A VB	103985.	250.000 NG	1.43
52	146	1553	22:27	3	1.234	A BB	96464.	250.000 NG	1.43

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:52	1.00	1.203	1.00	250.00	250.00	1.158	1.158	1.00
52	22:27	1.00	1.234	1.00	250.00	250.00	1.074	1.074	1.00

Quantitation Report      File: H1796

Data: H1796.TI  
04/26/93 10:33:00  
Sample: VSTD100  
Conds.: I50HFormula:                      Instrument: I50H  
Submitted by:                 Analyst: JJLWeight:                      0.000  
Acct. No.:AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library Entry

No	Name	
1	CI01	BROMOCHLOROMETHANE      *INTERNAL STANDARD*
2	CI10	1,4-DIFLUOROBENZENE      *INTERNAL STANDARD*
3	CI20	D5-CHLOROBENZENE         *INTERNAL STANDARD*
4	CS15	D4-1,2-DICHLOROETHANE    *SURROGATE*
5	CS05	D8-TOLUENE                 *SURROGATE*
6	CS10	BROMOFLUOROBENZENE       *SURROGATE*
7	C010	CHLOROMETHANE
8	C015	BROMOMETHANE
9	C020	VINYL CHLORIDE
10	C025	CHLOROETHANE
11	C030	METHYLENE CHLORIDE
12	C035	ACETONE
13	C040	CARBON DISULFIDE
14	C045	1,1-DICHLOROETHENE
15	C050	1,1-DICHLOROETHANE
16	C057	TRANS-1,2-DICHLOROETHENE
17	C060	CHLOROFORM
18	C065	1,2-DICHLOROETHANE
19	C110	2-BUTANONE
20	C115	1,1,1-TRICHLOROETHANE
21	C120	CARBON TETRACHLORIDE
22	C125	VINYL ACETATE
23	C130	BROMODICHLOROMETHANE
24	C056	CIS-1,2-DICHLOROETHENE
25	C036	ACROLEIN
26	C038	ACRYLONITRILE
27	C275	TRICHLOROFLUOROMETHANE
28	C300	ACETONITRILE
29	C140	1,2-DICHLOROPROPANE
30	C145	CIS-1,3-DICHLOROPROPENE
31	C150	TRICHLOROETHENE
32	C155	DIBROMOCHLOROMETHANE
33	C160	1,1,2-TRICHLOROETHANE
34	C165	BENZENE
35	C170	TRANS-1,3-DICHLOROPROPENE
36	C180	BROMOFORM
37	C161	2-CHLOROETHYL VINYL ETHER
38	C163	1,2-DIBROMOETHANE
39	C286	1,2-DIBROMO-3-CHLOROPROPANE
40	C210	4-METHYL-2-PENTANONE
41	C215	2-HEXANONE
42	C220	TETRACHLOROETHENE
43	C225	1,1,2,2-TETRACHLOROETHANE
44	C230	TOLUENE
45	C235	CHLOROBENZENE
46	C240	ETHYLBENZENE
47	C245	STYRENE

No Name  
 48 C246 M, P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1,3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	758	10:57	1	1.000	A BB	25245.	250.000 NG	0.73
2	114	910	13:09	2	1.000	A BB	96805.	250.000 NG	0.73
3	117	1259	18:12	3	1.000	A BB	92499.	250.000 NG	0.73
4	65	846	12:14	1	1.116	A BB	94770.	500.000 NG	1.46
5	98	1095	15:49	3	0.870	A BB	173745.	500.000 NG	1.46
6	95	1387	20:03	3	1.102	A BV	148668.	500.000 NG	1.46
7	50	221	3:12	1	0.292	A BB	69517.	500.000 NG	1.46
8	94	275	3:58	1	0.363	A BB	71215.	500.000 NG	1.46
9	62	235	3:24	1	0.310	A BB	55534.	500.000 NG	1.46
10	64	288	4:10	1	0.380	A BB	39465.	500.000 NG	1.46
11	84	484	7:00	1	0.639	A BB	60383.	500.000 NG	1.46
12	43	418	6:02	1	0.551	A BV	10336.	500.000 NG	1.46
13	76	434	6:16	1	0.573	A BB	175794.	500.000 NG	1.46
14	96	400	5:47	1	0.528	A BB	64791.	500.000 NG	1.46
15	63	618	8:56	1	0.815	A BB	109897.	500.000 NG	1.46
16	96	534	7:43	1	0.704	A BB	58988.	500.000 NG	1.46
17	83	774	11:11	1	1.021	A BB	146919.	500.000 NG	1.46
18	62	857	12:23	1	1.131	A BB	109917.	500.000 NG	1.46
19	43	733	10:36	1	0.967	A BB	18558.	500.000 NG	1.46
20	97	798	11:32	2	0.877	A BB	135255.	500.000 NG	1.46
21	117	823	11:54	2	0.904	A BB	132928.	500.000 NG	1.46
22	43	636	9:11	2	0.699	A BB	76761.	500.000 NG	1.46
23	83	1008	14:34	2	1.108	A BB	138290.	500.000 NG	1.46
24	96	721	10:25	1	0.951	A BB	66475.	500.000 NG	1.46
25	56	390	5:38	1	0.515	A BB	40346.	4000.000 NG	11.68
26	53	534	7:43	1	0.704	A BB	78111.	4000.000 NG	11.68
27	101	323	4:40	1	0.426	A BB	189851.	500.000 NG	1.46
28	41	463	6:41	1	0.611	A BB	7047.	2000.000 NG	5.84
29	63	973	14:04	2	1.069	A BB	67228.	500.000 NG	1.46
30	75	1064	15:23	2	1.169	A BB	112899.	500.000 NG	1.46
31	130	944	13:38	2	1.037	A BB	89501.	500.000 NG	1.46
32	129	1195	17:16	2	1.313	A BB	138762.	500.000 NG	1.46
33	97	1150	16:37	2	1.264	A BV	75534.	500.000 NG	1.46
34	78	853	12:20	2	0.937	A BB	168327.	500.000 NG	1.46
35	75	1129	16:19	2	1.241	A BB	84010.	500.000 NG	1.46
36	173	1352	19:32	2	1.486	A BB	125145.	500.000 NG	1.46
37	63	1047	15:08	2	1.151	A BV	36039.	500.000 NG	1.46
38	109	1208	17:27	2	1.327	A BB	118877.	500.000 NG	1.46
39	157	1636	23:38	2	1.798	A BB	49735.	500.000 NG	1.46
40	43	1086	15:42	3	0.863	A BB	64407.	500.000 NG	1.46
41	43	1181	17:04	3	0.938	A BB	44856.	500.000 NG	1.46
42	164	1167	16:52	3	0.927	A BB	95706.	500.000 NG	1.46
43	83	1401	20:15	3	1.113	A BB	141460.	500.000 NG	1.46
44	91	1103	15:56	3	0.876	A BB	189820.	500.000 NG	1.46
45	112	1263	18:15	3	1.003	A BB	172656.	500.000 NG	1.46
46	106	1274	18:25	3	1.012	A BB	72091.	500.000 NG	1.46
47	104	1332	19:15	3	1.058	A BB	163022.	500.000 NG	1.46
48	106	1287	18:36	3	1.022	A VB	199037.	1000.000 NG	2.92
49	106	1330	19:13	3	1.056	A BB	97497.	500.000 NG	1.46
50	146	1504	21:44	3	1.195	A BV	188951.	500.000 NG	1.46

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt (L)	R.Fac	R.Fac(L)	Ratio
1	10:55	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	13:06	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	18:11	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	12:11	1.00	1.117	1.00	500.00	500.00	1.877	1.877	1.00
5	15:49	1.00	0.870	1.00	500.00	500.00	0.939	0.939	1.00
6	20:02	1.00	1.102	1.00	500.00	500.00	0.804	0.804	1.00
7	3:11	1.00	0.291	1.00	500.00	500.00	1.377	1.377	1.00
8	3:59	1.00	0.366	0.99	500.00	500.00	1.410	1.410	1.00
9	3:23	1.00	0.310	1.00	500.00	500.00	1.100	1.100	1.00
10	4:11	0.99	0.384	0.99	500.00	500.00	0.782	0.782	1.00
11	6:58	1.00	0.638	1.00	500.00	500.00	1.196	1.196	1.00
12	6:01	1.00	0.551	1.00	500.00	500.00	0.205	0.205	1.00
13	6:15	1.00	0.574	1.00	500.00	500.00	3.482	3.482	1.00
14	5:47	1.00	0.530	1.00	500.00	500.00	1.283	1.283	1.00
15	8:53	1.00	0.815	1.00	500.00	500.00	2.177	2.177	1.00
16	7:40	1.01	0.703	1.00	500.00	500.00	1.168	1.168	1.00
17	11:08	1.01	1.020	1.00	500.00	500.00	2.910	2.910	1.00
18	12:20	1.00	1.131	1.00	500.00	500.00	2.177	2.177	1.00
19	10:31	1.01	0.964	1.00	500.00	500.00	0.368	0.368	1.00
20	11:29	1.00	0.877	1.00	500.00	500.00	0.699	0.699	1.00
21	11:50	1.00	0.903	1.00	500.00	500.00	0.687	0.687	1.00
22	9:08	1.01	0.697	1.00	500.00	500.00	0.396	0.396	1.00
23	14:32	1.00	1.109	1.00	500.00	500.00	0.714	0.714	1.00
24	10:23	1.00	0.951	1.00	500.00	500.00	1.317	1.317	1.00
25	5:37	1.00	0.515	1.00	4000.00	4000.00	0.100	0.100	1.00
26	7:40	1.01	0.702	1.00	4000.00	4000.00	0.193	0.193	1.00
27	4:41	1.00	0.429	0.99	500.00	500.00	3.760	3.760	1.00
28	6:39	1.01	0.609	1.00	2000.00	2000.00	0.035	0.035	1.00
29	14:02	1.00	1.071	1.00	500.00	500.00	0.347	0.347	1.00
30	15:21	1.00	1.171	1.00	500.00	500.00	0.583	0.583	1.00
31	13:36	1.00	1.037	1.00	500.00	500.00	0.462	0.462	1.00
32	17:15	1.00	1.316	1.00	500.00	500.00	0.717	0.717	1.00
33	16:36	1.00	1.267	1.00	500.00	500.00	0.390	0.390	1.00
34	12:17	1.00	0.937	1.00	500.00	500.00	0.869	0.869	1.00
35	16:18	1.00	1.244	1.00	500.00	500.00	0.434	0.434	1.00
36	19:31	1.00	1.490	1.00	500.00	500.00	0.646	0.646	1.00
37	15:06	1.00	1.152	1.00	500.00	500.00	0.186	0.186	1.00
38	17:27	1.00	1.331	1.00	500.00	500.00	0.614	0.614	1.00
39	23:37	1.00	1.802	1.00	500.00	500.00	0.257	0.257	1.00
40	15:39	1.00	0.861	1.00	500.00	500.00	0.348	0.348	1.00
41	17:02	1.00	0.937	1.00	500.00	500.00	0.242	0.242	1.00
42	16:50	1.00	0.926	1.00	500.00	500.00	0.517	0.517	1.00
43	20:14	1.00	1.113	1.00	500.00	500.00	0.765	0.765	1.00
44	15:55	1.00	0.875	1.00	500.00	500.00	1.026	1.026	1.00
45	18:13	1.00	1.002	1.00	500.00	500.00	0.933	0.933	1.00
46	18:24	1.00	1.012	1.00	500.00	500.00	0.390	0.390	1.00
47	19:14	1.00	1.058	1.00	500.00	500.00	0.881	0.881	1.00
48	18:35	1.00	1.022	1.00	1000.00	1000.00	0.538	0.538	1.00
49	19:12	1.00	1.056	1.00	500.00	500.00	0.527	0.527	1.00
50	21:43	1.00	1.195	1.00	500.00	500.00	1.021	1.021	1.00

Quantitation Report File: H1796

Data: H1796.TI  
04/26/93 10:33:00  
Sample: VSTD100  
Conds.: I50HFormula: Instrument: I50H  
Submitted by: Analyst: JJLWeight: 0.000  
Acct. No.:AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library EntryNo Name  
51 C267 1,4-DICHLOROBENZENE  
52 C249 1,2-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	146	1513	21:52	3	1.202	A VB	205421.	500.000 NG	1.46
52	146	1553	22:27	3	1.234	A BB	186948.	500.000 NG	1.46

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:52	1.00	1.203	1.00	500.00	500.00	1.110	1.110	1.00
52	22:27	1.00	1.234	1.00	500.00	500.00	1.011	1.011	1.00

Quantitation Report File: H1797

Data: H1797.TI  
 04/26/93 11:12:00  
 Sample: VSTD200  
 Conds.: I50H

Formula: Instrument: I50H Weight: 0.000  
 Submitted by: Analyst: JJL Acct. No.:

AMOUNT=AREA \* REF AMNT / (REF AREA \* RESP FACT)  
 Resp. fac. from Library Entry

No	Name	
1	CI01	BROMOCHLOROMETHANE *INTERNAL STANDARD*
2	CI10	1,4-DIFLUOROBENZENE *INTERNAL STANDARD*
3	CI20	D5-CHLOROBENZENE *INTERNAL STANDARD*
4	CS15	D4-1,2-DICHLOROETHANE *SURROGATE*
5	CS05	D8-TOLUENE *SURROGATE*
6	CS10	BROMOFLUOROBENZENE *SURROGATE*
7	C010	CHLOROMETHANE
8	C015	BROMOMETHANE
9	C020	VINYL CHLORIDE
10	C025	CHLOROETHANE
11	C030	METHYLENE CHLORIDE
12	C035	ACETONE
13	C040	CARBON DISULFIDE
14	C045	1,1-DICHLOROETHENE
15	C050	1,1-DICHLOROETHANE
16	C057	TRANS-1,2-DICHLOROETHENE
17	C060	CHLOROFORM
18	C065	1,2-DICHLOROETHANE
19	C110	2-BUTANONE
20	C115	1,1,1-TRICHLOROETHANE
21	C120	CARBON TETRACHLORIDE
22	C125	VINYL ACETATE
23	C130	BROMODICHLOROMETHANE
24	C056	CIS-1,2-DICHLOROETHENE
25	C036	ACROLEIN
26	C038	ACRYLONITRILE
27	C275	TRICHLOROFLUOROMETHANE
28	C300	ACETONITRILE
29	C140	1,2-DICHLOROPROPANE
30	C145	CIS-1,3-DICHLOROPROPENE
31	C150	TRICHLOROETHENE
32	C155	DIBROMOCHLOROMETHANE
33	C160	1,1,2-TRICHLOROETHANE
34	C165	BENZENE
35	C170	TRANS-1,3-DICHLOROPROPENE
36	C180	BROMOFORM
37	C161	2-CHLOROETHYL VINYL ETHER
38	C163	1,2-DIBROMOETHANE
39	C286	1,2-DIBROMO-3-CHLOROPROPANE
40	C210	4-METHYL-2-PENTANONE
41	C215	2-HEXANONE
42	C220	TETRACHLOROETHENE
43	C225	1,1,2,2-TETRACHLOROETHANE
44	C230	TOLUENE
45	C235	CHLOROBENZENE
46	C240	ETHYLBENZENE
47	C245	STYRENE

No Name  
 48 C246 M, P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1,3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	758	10:57	1	1.000	A BB	27763.	250.000 NG	0.37
2	114	909	13:08	2	1.000	A BB	105929.	250.000 NG	0.37
3	117	1259	18:12	3	1.000	A BB	101496.	250.000 NG	0.37
4	65	845	12:13	1	1.115	A BB	202447.	1000.000 NG	1.48
5	98	1095	15:49	3	0.870	A BB	374384.	1000.000 NG	1.48
6	95	1387	20:03	3	1.102	A BV	322371.	1000.000 NG	1.48
7	50	220	3:11	1	0.290	A BB	147546.	1000.000 NG	1.48
8	94	273	3:57	1	0.360	A BB	138492.	1000.000 NG	1.48
9	62	234	3:23	1	0.309	A BB	107701.	1000.000 NG	1.48
10	64	285	4:07	1	0.376	A BB	69847.	1000.000 NG	1.48
11	84	481	6:57	1	0.635	A BB	117075.	1000.000 NG	1.48
12	43	417	6:02	1	0.550	A BB	21473.	1000.000 NG	1.48
13	76	431	6:14	1	0.569	A BB	358494.	1000.000 NG	1.48
14	96	397	5:44	1	0.524	A BB	136940.	1000.000 NG	1.48
15	63	616	8:54	1	0.813	A BB	238219.	1000.000 NG	1.48
16	96	532	7:41	1	0.702	A BB	128539.	1000.000 NG	1.48
17	83	772	11:09	1	1.018	A BB	309866.	1000.000 NG	1.48
18	62	856	12:22	1	1.129	A BB	224537.	1000.000 NG	1.48
19	43	733	10:36	1	0.967	A BB	38584.	1000.000 NG	1.48
20	97	797	11:31	2	0.877	A BB	284190.	1000.000 NG	1.48
21	117	822	11:53	2	0.904	A BB	290479.	1000.000 NG	1.48
22	43	634	9:10	2	0.697	A BB	171215.	1000.000 NG	1.48
23	83	1007	14:33	2	1.108	A BB	292575.	1000.000 NG	1.48
24	96	720	10:24	1	0.950	A BB	140273.	1000.000 NG	1.48
25	56	388	5:36	1	0.512	A BB	90344.	8000.000 NG	11.81
26	53	533	7:42	1	0.703	A BB	163755.	8000.000 NG	11.81
27	101	319	4:37	1	0.421	A BB	386893.	1000.000 NG	1.48
28	41	463	6:41	1	0.611	A BV	15787.	4000.000 NG	5.90
29	63	972	14:03	2	1.069	A BB	146838.	1000.000 NG	1.48
30	75	1063	15:22	2	1.169	A BB	241752.	1000.000 NG	1.48
31	130	943	13:38	2	1.037	A BB	199668.	1000.000 NG	1.48
32	129	1195	17:16	2	1.315	A BB	307026.	1000.000 NG	1.48
33	97	1150	16:37	2	1.265	A BV	160655.	1000.000 NG	1.48
34	78	852	12:19	2	0.937	A BB	348390.	1000.000 NG	1.48
35	75	1128	16:18	2	1.241	A BB	188461.	1000.000 NG	1.48
36	173	1352	19:32	2	1.487	A BB	281906.	1000.000 NG	1.48
37	63	1047	15:08	2	1.152	A BV	78079.	1000.000 NG	1.48
38	109	1208	17:27	2	1.329	A BB	242583.	1000.000 NG	1.48
39	157	1636	23:38	2	1.800	A BB	101678.	1000.000 NG	1.48
40	43	1085	15:41	3	0.862	A BB	133870.	1000.000 NG	1.48
41	43	1180	17:03	3	0.937	A BB	96780.	1000.000 NG	1.48
42	164	1166	16:51	3	0.926	A BB	197114.	1000.000 NG	1.48
43	83	1401	20:15	3	1.113	A BB	285909.	1000.000 NG	1.48
44	91	1103	15:56	3	0.876	A BB	388983.	1000.000 NG	1.48
45	112	1262	18:14	3	1.002	A BB	370089.	1000.000 NG	1.48
46	106	1274	18:25	3	1.012	A BB	149299.	1000.000 NG	1.48
47	104	1331	19:14	3	1.057	A BB	348754.	1000.000 NG	1.48
48	106	1287	18:36	3	1.022	A VB	423169.	2000.000 NG	2.95
49	106	1330	19:13	3	1.056	A BB	206130.	1000.000 NG	1.48
50	146	1504	21:44	3	1.195	A BV	406774.	1000.000 NG	1.48

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt (L)	R.Fac	R.Fac(L)	Ratio
1	10:55	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	13:06	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	18:11	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	12:11	1.00	1.117	1.00	1000.00	1000.00	1.823	1.823	1.00
5	15:49	1.00	0.870	1.00	1000.00	1000.00	0.922	0.922	1.00
6	20:02	1.00	1.102	1.00	1000.00	1000.00	0.794	0.794	1.00
7	3:11	1.00	0.291	1.00	1000.00	1000.00	1.329	1.329	1.00
8	3:59	0.99	0.366	0.99	1000.00	1000.00	1.247	1.247	1.00
9	3:23	1.00	0.310	1.00	1000.00	1000.00	0.970	0.970	1.00
10	4:11	0.98	0.384	0.98	1000.00	1000.00	0.629	0.629	1.00
11	6:58	1.00	0.638	0.99	1000.00	1000.00	1.054	1.054	1.00
12	6:01	1.00	0.551	1.00	1000.00	1000.00	0.193	0.193	1.00
13	6:15	1.00	0.574	0.99	1000.00	1000.00	3.228	3.228	1.00
14	5:47	0.99	0.530	0.99	1000.00	1000.00	1.233	1.233	1.00
15	8:53	1.00	0.815	1.00	1000.00	1000.00	2.145	2.145	1.00
16	7:40	1.00	0.703	1.00	1000.00	1000.00	1.157	1.157	1.00
17	11:08	1.00	1.020	1.00	1000.00	1000.00	2.790	2.790	1.00
18	12:20	1.00	1.131	1.00	1000.00	1000.00	2.022	2.022	1.00
19	10:31	1.01	0.964	1.00	1000.00	1000.00	0.347	0.347	1.00
20	11:29	1.00	0.877	1.00	1000.00	1000.00	0.671	0.671	1.00
21	11:50	1.00	0.903	1.00	1000.00	1000.00	0.686	0.686	1.00
22	9:08	1.00	0.697	1.00	1000.00	1000.00	0.404	0.404	1.00
23	14:32	1.00	1.109	1.00	1000.00	1000.00	0.690	0.690	1.00
24	10:23	1.00	0.951	1.00	1000.00	1000.00	1.263	1.263	1.00
25	5:37	1.00	0.515	0.99	8000.01	8000.00	0.102	0.102	1.00
26	7:40	1.01	0.702	1.00	8000.00	8000.00	0.184	0.184	1.00
27	4:41	0.98	0.429	0.98	1000.00	1000.00	3.484	3.484	1.00
28	6:39	1.01	0.609	1.00	4000.00	4000.00	0.036	0.036	1.00
29	14:02	1.00	1.071	1.00	1000.00	1000.00	0.347	0.347	1.00
30	15:21	1.00	1.171	1.00	1000.00	1000.00	0.571	0.571	1.00
31	13:36	1.00	1.037	1.00	1000.00	1000.00	0.471	0.471	1.00
32	17:15	1.00	1.316	1.00	1000.00	1000.00	0.725	0.725	1.00
33	16:36	1.00	1.267	1.00	1000.00	1000.00	0.379	0.379	1.00
34	12:17	1.00	0.937	1.00	1000.00	1000.00	0.822	0.822	1.00
35	16:18	1.00	1.244	1.00	1000.00	1000.00	0.445	0.445	1.00
36	19:31	1.00	1.490	1.00	1000.00	1000.00	0.665	0.665	1.00
37	15:06	1.00	1.152	1.00	1000.00	1000.00	0.184	0.184	1.00
38	17:27	1.00	1.331	1.00	1000.00	1000.00	0.573	0.573	1.00
39	23:37	1.00	1.802	1.00	1000.00	1000.00	0.240	0.240	1.00
40	15:39	1.00	0.861	1.00	1000.00	1000.00	0.330	0.330	1.00
41	17:02	1.00	0.937	1.00	1000.00	1000.00	0.238	0.238	1.00
42	16:50	1.00	0.926	1.00	1000.00	1000.00	0.486	0.486	1.00
43	20:14	1.00	1.113	1.00	1000.00	1000.00	0.704	0.704	1.00
44	15:55	1.00	0.875	1.00	1000.00	1000.00	0.958	0.958	1.00
45	18:13	1.00	1.002	1.00	1000.00	1000.00	0.912	0.912	1.00
46	18:24	1.00	1.012	1.00	1000.00	1000.00	0.368	0.368	1.00
47	19:14	1.00	1.058	1.00	1000.00	1000.00	0.859	0.859	1.00
48	18:35	1.00	1.022	1.00	2000.00	2000.00	0.521	0.521	1.00
49	19:12	1.00	1.056	1.00	1000.00	1000.00	0.508	0.508	1.00
50	21:43	1.00	1.195	1.00	1000.00	1000.00	1.002	1.002	1.00



7A

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: RECRA ENVIRON Contract: C002412  
 Lab Code: RECNY Case No.: RA093 SAS No.: \_\_\_\_\_ SDG No.: 81393  
 Instrument ID: I50H Calibration date: 08/18/93 Time: 1052  
 Lab File ID: H2302 Init. Calib. Date(s): 04/26/93 04/26/93  
 Heated Purge: (Y/N) Y Init. Calib. Times: 0922 1258  
 GC Column: DB-624 ID: 0.530(mm)

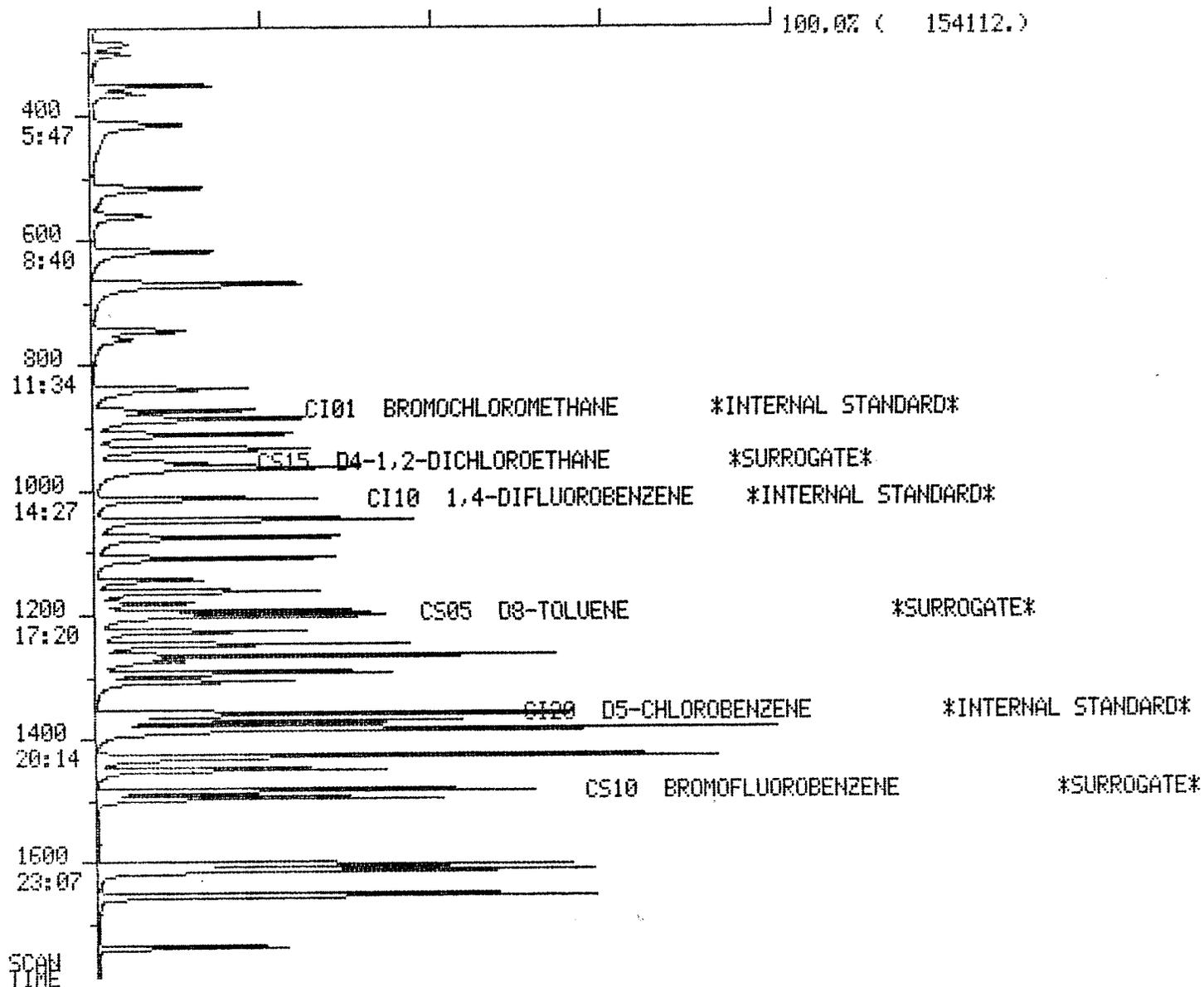
COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.447	1.259		13.0	
Bromomethane	1.427	1.600	0.100	-12.1	25.0
Vinyl Chloride	1.170	0.920	0.100	21.4	25.0
Chloroethane	0.814	0.872		-7.1	
Methylene Chloride	1.330	1.353		-1.7	
Acetone	0.258	0.231		10.5	
Carbon Disulfide	3.335	2.297		31.1	
1,1-Dichloroethene	1.305	1.133	0.100	13.2	25.0
1,1-Dichloroethane	2.361	2.391	0.200	-1.3	25.0
1,2-Dichloroethene (total)	1.294	1.382		-6.8	
Chloroform	3.092	3.354	0.200	-8.5	25.0
1,2-Dichloroethane	2.297	2.419	0.100	-5.3	25.0
2-Butanone	0.453	0.479		-5.7	
1,1,1-Trichloroethane	0.790	0.742	0.100	6.1	25.0
Carbon Tetrachloride	0.744	0.734	0.100	1.3	25.0
Bromodichloromethane	0.764	0.769	0.200	-0.7	25.0
1,2-Dichloropropane	0.397	0.437		-10.1	
cis-1,3-dichloropropene	0.630	0.577	0.200	8.4	25.0
Trichloroethene	0.519	0.588	0.300	-13.3	25.0
Dibromochloromethane	0.727	0.802	0.100	-10.3	25.0
1,1,2-Trichloroethane	0.436	0.504	0.100	-15.6	25.0
Benzene	0.922	0.867	0.500	6.0	25.0
trans-1,3-dichloropropene	0.462	0.528	0.100	-14.3	25.0
Bromoform	0.637	0.745	0.100	-17.0	25.0
4-Methyl-2-Pentanone	0.371	0.426		-14.8	
2-Hexanone	0.280	0.298		-6.4	
Tetrachloroethene	0.559	0.650	0.200	-16.3	25.0
1,1,2,2-Tetrachloroethane	0.828	0.895	0.500	-8.1	25.0
Toluene	1.074	1.090	0.400	-1.5	25.0
Chlorobenzene	1.029	1.125	0.500	-9.3	25.0
Ethylbenzene	0.405	0.396	0.100	2.2	25.0
Styrene	0.918	1.035	0.300	-12.8	25.0
Total Xylenes	0.556	0.599	0.300	-7.7	25.0
Toluene-d8	1.007	0.969		3.8	
Bromofluorobenzene	0.859	0.829	0.200	3.5	25.0
1,2-Dichloroethane-d4	2.024	1.861		8.1	

All other compounds must meet a minimum RRF of 0.010.

DATA FROM FILE: H2302

SCANS 260 TO 1785 ACQUIRED: 08/18/93 10:52:00  
CALI: H2302 #3

SAMPLE: USTD050  
CONDS.: I50H



Quantitation Report File: H2302

Data: H2302.TI  
 08/18/93 10:52:00  
 Sample: VSTD050  
 Conds.: I50H

Formula: Instrument: I50H  
 Submitted by: Analyst: JJL

Weight: 0.000  
 Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
 Resp. fac. from Library Entry

No	Name	
1	CI01	BROMOCHLOROMETHANE *INTERNAL STANDARD*
2	CI10	1,4-DIFLUOROBENZENE *INTERNAL STANDARD*
3	CI20	D5-CHLOROBENZENE *INTERNAL STANDARD*
4	CS15	D4-1,2-DICHLOROETHANE *SURROGATE*
5	CS05	D8-TOLUENE *SURROGATE*
6	CS10	BROMOFLUOROBENZENE *SURROGATE*
7	C010	CHLOROMETHANE
8	C015	BROMOMETHANE
9	C020	VINYL CHLORIDE
10	C025	CHLOROETHANE
11	C030	METHYLENE CHLORIDE
12	C035	ACETONE
13	C040	CARBON DISULFIDE
14	C045	1,1-DICHLOROETHENE
15	C050	1,1-DICHLOROETHANE
16	C057	TRANS-1,2-DICHLOROETHENE
17	C060	CHLOROFORM
18	C065	1,2-DICHLOROETHANE
19	C110	2-BUTANONE
20	C115	1,1,1-TRICHLOROETHANE
21	C120	CARBON TETRACHLORIDE
22	C125	VINYL ACETATE
23	C130	BROMODICHLOROMETHANE
24	C056	CIS-1,2-DICHLOROETHENE
25	C036	ACROLEIN
26	C038	ACRYLONITRILE
27	C275	TRICHLOROFLUOROMETHANE
28	C300	ACETONITRILE
29	C140	1,2-DICHLOROPROPANE
30	C145	CIS-1,3-DICHLOROPROPENE
31	C150	TRICHLOROETHENE
32	C155	DIBROMOCHLOROMETHANE
33	C160	1,1,2-TRICHLOROETHANE
34	C165	BENZENE
35	C170	TRANS-1,3-DICHLOROPROPENE
36	C180	BROMOFORM
37	C161	2-CHLOROETHYL VINYL ETHER
38	C163	1,2-DIBROMOETHANE
39	C286	1,2-DIBROMO-3-CHLOROPROPANE
40	C210	4-METHYL-2-PENTANONE
41	C215	2-HEXANONE
42	C220	TETRACHLOROETHENE
43	C225	1,1,2,2-TETRACHLOROETHANE
44	C230	TOLUENE
45	C235	CHLOROBENZENE
46	C240	ETHYLBENZENE
47	C245	STYRENE

No Name  
 48 C246 M, P-XYLENE  
 49 C247 O-XYLENE  
 50 C260 1,3-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	128	869	12:33	1	1.000	A BB	31358.	250.000 NG	1.52
2	114	1011	14:37	2	1.000	A BB	114327.	250.000 NG	1.52
3	117	1355	19:35	3	1.000	A BB	107585.	250.000 NG	1.52
4	65	953	13:46	1	1.097	A BB	58373.	250.000 NG	1.52
5	98	1192	17:14	3	0.880	A BB	104227.	250.000 NG	1.52
6	95	1482	21:25	3	1.094	A BV	89241.	250.000 NG	1.52
7	50	283	4:05	1	0.326	A BB	39467.	250.000 NG	1.52
8	94	349	5:03	1	0.402	A BB	50173.	250.000 NG	1.52
9	62	300	4:20	1	0.345	A BB	28862.	250.000 NG	1.52
10	64	363	5:15	1	0.418	A BB	27352.	250.000 NG	1.52
11	84	614	8:52	1	0.707	A BB	42423.	250.000 NG	1.52
12	43	537	7:46	1	0.618	A BB	7230.	250.000 NG	1.52
13	76	558	8:04	1	0.642	A BB	72045.	250.000 NG	1.52
14	96	514	7:26	1	0.591	A BB	35521.	250.000 NG	1.52
15	63	741	10:42	1	0.853	A BB	74988.	250.000 NG	1.52
16	96	667	9:38	1	0.768	A BB	39620.	250.000 NG	1.52
17	83	882	12:45	1	1.015	A BB	105179.	250.000 NG	1.52
18	62	963	13:55	1	1.108	A BB	75857.	250.000 NG	1.52
19	43	843	12:11	1	0.970	A BB	15034.	250.000 NG	1.52
20	97	908	13:07	2	0.898	A BB	84837.	250.000 NG	1.52
21	117	931	13:27	2	0.921	A BB	83916.	250.000 NG	1.52
22	43	755	10:55	2	0.747	A BB	42629.	250.000 NG	1.52
23	83	1107	16:00	2	1.095	A BB	87939.	250.000 NG	1.52
24	96	834	12:03	1	0.960	A BB	47103.	250.000 NG	1.52
25	56	502	7:15	1	0.578	A BB	1954.	2000.000 NG	12.12
26	53	666	9:37	1	0.766	A BB	64676.	2000.000 NG	12.12
27	101	412	5:57	1	0.474	A BB	68741.	250.000 NG	1.52
28	NOT FOUND								
29	63	1073	15:30	2	1.061	A BB	49955.	250.000 NG	1.52
30	75	1160	16:46	2	1.147	A BB	66020.	250.000 NG	1.52
31	130	1045	15:06	2	1.034	A BB	67220.	250.000 NG	1.52
32	129	1290	18:38	2	1.276	A BB	91721.	250.000 NG	1.52
33	97	1245	17:59	2	1.231	A BB	57643.	250.000 NG	1.52
34	78	960	13:52	2	0.950	A BB	99077.	250.000 NG	1.52
35	75	1224	17:41	2	1.211	A BB	60308.	250.000 NG	1.52
36	173	1448	20:55	2	1.432	A BB	85194.	250.000 NG	1.52
37	63	1142	16:30	2	1.130	A BB	27874.	250.000 NG	1.52
38	109	1305	18:52	2	1.291	A BB	78616.	250.000 NG	1.52
39	157	1735	25:04	2	1.716	A BB	30269.	250.000 NG	1.52
40	43	1179	17:02	3	0.870	A BB	45805.	250.000 NG	1.52
41	43	1273	18:24	3	0.939	A BB	32020.	250.000 NG	1.52
42	164	1263	18:15	3	0.932	A BB	69902.	250.000 NG	1.52
43	83	1494	21:35	3	1.103	A BB	96288.	250.000 NG	1.52
44	91	1200	17:20	3	0.886	A BB	117307.	250.000 NG	1.52
45	112	1358	19:37	3	1.002	A BB	121076.	250.000 NG	1.52
46	106	1368	19:46	3	1.010	A BB	42607.	250.000 NG	1.52
47	104	1426	20:36	3	1.052	A BB	111326.	250.000 NG	1.52
48	106	1381	19:57	3	1.019	A VB	134700.	500.000 NG	3.03
49	106	1425	20:36	3	1.052	A BB	64464.	250.000 NG	1.52
50	146	1600	23:07	3	1.181	A BV	145138.	250.000 NG	1.52

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt (L)	R.Fac	R.Fac(L)	Ratio
1	12:33	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
2	14:37	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
3	19:35	1.00	1.000	1.00	250.00	250.00	1.000	1.000	1.00
4	13:46	1.00	1.097	1.00	250.00	250.00	1.861	1.861	1.00
5	17:14	1.00	0.880	1.00	250.00	250.00	0.969	0.969	1.00
6	21:25	1.00	1.094	1.00	250.00	250.00	0.829	0.829	1.00
7	4:05	1.00	0.326	1.00	250.00	250.00	1.259	1.259	1.00
8	5:03	1.00	0.402	1.00	250.00	250.00	1.600	1.600	1.00
9	4:20	1.00	0.345	1.00	250.00	250.00	0.920	0.920	1.00
10	5:15	1.00	0.418	1.00	250.00	250.00	0.872	0.872	1.00
11	8:52	1.00	0.707	1.00	250.00	250.00	1.353	1.353	1.00
12	7:46	1.00	0.618	1.00	250.00	250.00	0.231	0.231	1.00
13	8:04	1.00	0.642	1.00	250.00	250.00	2.297	2.297	1.00
14	7:26	1.00	0.591	1.00	250.00	250.00	1.133	1.133	1.00
15	10:42	1.00	0.853	1.00	250.00	250.00	2.391	2.391	1.00
16	9:38	1.00	0.768	1.00	250.00	250.00	1.263	1.263	1.00
17	12:45	1.00	1.015	1.00	250.00	250.00	3.354	3.354	1.00
18	13:55	1.00	1.108	1.00	250.00	250.00	2.419	2.419	1.00
19	12:11	1.00	0.970	1.00	250.00	250.00	0.479	0.479	1.00
20	13:07	1.00	0.898	1.00	250.00	250.00	0.742	0.742	1.00
21	13:27	1.00	0.921	1.00	250.00	250.00	0.734	0.734	1.00
22	10:55	1.00	0.747	1.00	250.00	250.00	0.373	0.373	1.00
23	16:00	1.00	1.095	1.00	250.00	250.00	0.769	0.769	1.00
24	12:03	1.00	0.960	1.00	250.00	250.00	1.502	1.502	1.00
25	7:15	1.00	0.578	1.00	2000.00	2000.00	0.008	0.008	1.00
26	9:37	1.00	0.766	1.00	2000.00	2000.00	0.258	0.258	1.00
27	5:57	1.00	0.474	1.00	250.00	250.00	2.192	2.192	1.00
28	8:34		0.685						
29	15:30	1.00	1.061	1.00	250.00	250.00	0.437	0.437	1.00
30	16:46	1.00	1.147	1.00	250.00	250.00	0.577	0.577	1.00
31	15:06	1.00	1.034	1.00	250.00	250.00	0.588	0.588	1.00
32	18:38	1.00	1.276	1.00	250.00	250.00	0.802	0.802	1.00
33	17:59	1.00	1.231	1.00	250.00	250.00	0.504	0.504	1.00
34	13:52	1.00	0.950	1.00	250.00	250.00	0.867	0.867	1.00
35	17:41	1.00	1.211	1.00	250.00	250.00	0.528	0.528	1.00
36	20:55	1.00	1.432	1.00	250.00	250.00	0.745	0.745	1.00
37	16:30	1.00	1.130	1.00	250.00	250.00	0.244	0.244	1.00
38	18:52	1.00	1.291	1.00	250.00	250.00	0.688	0.688	1.00
39	25:04	1.00	1.716	1.00	250.00	250.00	0.265	0.265	1.00
40	17:02	1.00	0.870	1.00	250.00	250.00	0.426	0.426	1.00
41	18:24	1.00	0.939	1.00	250.00	250.00	0.298	0.298	1.00
42	18:15	1.00	0.932	1.00	250.00	250.00	0.650	0.650	1.00
43	21:35	1.00	1.103	1.00	250.00	250.00	0.895	0.895	1.00
44	17:20	1.00	0.886	1.00	250.00	250.00	1.090	1.090	1.00
45	19:37	1.00	1.002	1.00	250.00	250.00	1.125	1.125	1.00
46	19:46	1.00	1.010	1.00	250.00	250.00	0.396	0.396	1.00
47	20:36	1.00	1.052	1.00	250.00	250.00	1.035	1.035	1.00
48	19:57	1.00	1.019	1.00	500.00	500.00	0.626	0.626	1.00
49	20:36	1.00	1.052	1.00	250.00	250.00	0.599	0.599	1.00
50	23:07	1.00	1.181	1.00	250.00	250.00	1.349	1.349	1.00

Quantitation Report File: H2302

Data: H2302.TI  
08/18/93 10:52:00  
Sample: VSTD050  
Conds.: I50H  
Formula:  
Submitted by:

Instrument: I50H  
Analyst: JJL

Weight: 0.000  
Acct. No.:

AMOUNT=AREA \* REF AMNT/(REF AREA \* RESP FACT)  
Resp. fac. from Library Entry

No Name

51 C267 1,4-DICHLOROBENZENE  
52 C249 1,2-DICHLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	146	1610	23:16	3	1.188	A VB	150130.	250.000 NG	1.52
52	146	1651	23:51	3	1.218	A BB	144124.	250.000 NG	1.52

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	23:16	1.00	1.188	1.00	250.00	250.00	1.395	1.395	1.00
52	23:51	1.00	1.218	1.00	250.00	250.00	1.340	1.340	1.00