5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/06/05

Instrument ID: V-3 BFB Injection Time: 5:51

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	40.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	90.1
175	5.0 - 9.0% of mass 174	6.3 (7.0)1
176	95.0 - 101.0% of mass 174	87.8 (97.4)1
177	5.0 - 9.0% of mass 176	6.4 (7.2)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	8260 ccv 25ppb	8260 ccv 25ppb	EM\1\DATA\080605\G	08/06/05	6:29
02	lcsf-08/06/05	lcsf-08/06/05	EM\1\DATA\080605\G	08/06/05	7:14
03	mb-08/06/05	mb-08/06/05	EM\1\DATA\080605\G	08/06/05	8:21
04	ZZZZZ	0508028-05A	EM\1\DATA\080605\G	08/06/05	8:55
05	ZZZZZ	0508042-04A	EM\1\DATA\080605\G	08/06/05	9:31
06	ZZZZZ	0508040-04A	EM\1\DATA\080605\G	08/06/05	10:05
07	ZZZZZ	0508042-01A	EM\1\DATA\080605\G	08/06/05	10:43
08	ZZZZZ	0508042-02A	EM\1\DATA\080605\G	08/06/05	11:18
09	ZZZZZ	0508042-03A	EM\1\DATA\080605\G	08/06/05	11:53
10	ZZZZZ	0508040-02A	EM\1\DATA\080605\G	08/06/05	12:27
11	ZZZZZ	0508040-03A	EM\1\DATA\080605\G	08/06/05	13:01
12	ZZZZZ	0508040-01A	EM\1\DATA\080605\G	08/06/05	13:35
13	0508040-04Amsf	0508040-04Amsf	EM\1\DATA\080605\G	08/06/05	14:10
14	0508040-04Amsdf	0508040-04Amsdf	EM\1\DATA\080605\G	08/06/05	14:45
15	MW-9D	0508039-01A	EM\1\DATA\080605\G	08/06/05	15:54
16	MW-5A	0508039-02A	EM\1\DATA\080605\G	08/06/05	16:30
17	MW-8B	0508039-03A	EM\1\DATA\080605\G	08/06/05	17:05
18	MW-8C	0508039-04A	EM\1\DATA\080605\G	08/06/05	17:39

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/09/05

Instrument ID: V-3 BFB Injection Time: 8:38

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	44.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	5.3 (5.6)1
176	95.0 - 101.0% of mass 174	91.8 (96.9)1
177	5.0 - 9.0% of mass 176	5.9 (6.5)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	8260 ccv 25ppb	8260 ccv 25ppb	EM\1\DATA\080905\G	08/09/05	9:45
02	lcsf-08/09/05	lcsf-08/09/05	EM\1\DATA\080905\G	08/09/05	10:38
03	mb-08/09/05	mb-08/09/05	EM\1\DATA\080905\G	08/09/05	12:32
04	MW-8A	0508039-05A	EM\1\DATA\080905\G	08/09/05	13:07
05	MW-8A	0508039-05A	EM\1\DATA\080905\G	08/09/05	13:41
06	ZZZZZ	0508040-01A	EM\1\DATA\080905\G	08/09/05	14:15
07	MW-5D	0508039-06A	EM\1\DATA\080905\G	08/09/05	15:23
08	MW-5B	0508039-08A	EM\1\DATA\080905\G	08/09/05	16:31
09	MW-9A	0508039-11A	EM\1\DATA\080905\G	08/09/05	18:13
10	MW-8D	0508039-14A	EM\1\DATA\080905\G	08/09/05	18:47
11	MW-8D	0508039-14Amsf	EM\1\DATA\080905\G	08/09/05	19:21
12	MW-8D	0508039-14Amsdf	EM\1\DATA\080905\G	08/09/05	19:55

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/10/05

Instrument ID: V-3 BFB Injection Time: 6:46

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	40.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	95.4
175	5.0 - 9.0% of mass 174	7.3 (7.7)1
176	95.0 - 101.0% of mass 174	91.6 (96.1)1
177	5.0 - 9.0% of mass 176	7.1 (7.7)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	8260 ccv 25ppb	8260 ccv 25ppb	EM\1\DATA\081005\G	08/10/05	7:38
02	lcsf-08/10/05	lcsf-08/10/05	EM\1\DATA\081005\G	08/10/05	8:12
03	mb-08/10/05	mb-08/10/05	EM\1\DATA\081005\G	08/10/05	9:55
04	MW-5C	0508039-07A	EM\1\DATA\081005\G	08/10/05	10:32
05	MW-7B	0508039-09A	EM\1\DATA\081005\G	08/10/05	11:06
06	MW-7C	0508039-10A	EM\1\DATA\081005\G	08/10/05	11:40
07	MW-5B	0508039-08A	EM\1\DATA\081005\G	08/10/05	12:14
08	MW-5C	0508039-07Amsf	EM\1\DATA\081005\G	08/10/05	12:49
09	MW-5C	0508039-07Amsdf	EM\1\DATA\081005\G	08/10/05	13:24
10	MW-9B	0508039-12A	EM\1\DATA\081005\G	08/10/05	14:33
11	MW-9C	0508039-13A	EM\1\DATA\081005\G	08/10/05	15:08
12	MW-2B	0508039-15A	EM\1\DATA\081005\G	08/10/05	15:43
13	MW-1	0508039-17A	EM\1\DATA\081005\G	08/10/05	16:53
14	MW-11C	0508039-18A	EM\1\DATA\081005\G	08/10/05	17:28
15	MW-6A	0508039-19A	EM\1\DATA\081005\G	08/10/05	18:03
16	MW-6B	0508039-20A	EM\1\DATA\081005\G	08/10/05	18:37
17	ZZZZZ	0508063-01A	EM\1\DATA\081005\G	08/10/05	20:54
18	ZZZZZ	0508063-02A	EM\1\DATA\081005\G	08/10/05	21:28
19	ZZZZZ	0508063-03A	EM\1\DATA\081005\G	08/10/05	22:02
20	ZZZZZ	0508063-04A	EM\1\DATA\081005\G	08/10/05	22:37

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG_NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/10/05

Instrument ID: V-3 BFB Injection Time: 6:46

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/11/05

Instrument ID: V-3 BFB Injection Time: 6:00

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	39.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	88.7
175	5.0 - 9.0% of mass 174	6.6 (7.5)1
176	95.0 - 101.0% of mass 174	85.7 (96.6)1
177	5.0 - 9.0% of mass 176	5.8 (6.8)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	8260 ccv 25ppb	8260 ccv 25ppb	EM\1\DATA\081105\G	08/11/05	7:13
02	lcsf-08/11/05	lcsf-08/11/05	EM\1\DATA\081105\G	08/11/05	7:48
03	mb-08/11/05	mb-08/11/05	EM\1\DATA\081105\G	08/11/05	8:57
04	MW-2A	0508039-16A	EM\1\DATA\081105\G	08/11/05	9:31
05	MW-6C	0508039-21A	EM\1\DATA\081105\G	08/11/05	10:05
06	MW-11D	0508039-23A	EM\1\DATA\081105\G	08/11/05	11:14
07	MW-3	0508039-24A	EM\1\DATA\081105\G	08/11/05	11:48
08	MW-12C	0508039-25A	EM\1\DATA\081105\G	08/11/05	12:23
09	MW-7A	0508039-27A	EM\1\DATA\081105\G	08/11/05	13:32
10	MW-2A	0508039-16Amsf	EM\1\DATA\081105\G	08/11/05	15:16
11	MW-2A	0508039-16Amsdf	EM\1\DATA\081105\G	08/11/05	15:50
12	MW-4	0508039-22A	EM\1\DATA\081105\G	08/11/05	17:35
13	ZZZZZ	0508081-04A	EM\1\DATA\081105\G	08/11/05	22:07
14	ZZZZZ	0508081-02A	EM\1\DATA\081105\G	08/11/05	22:41
15	ZZZZZ	0508081-03A	EM\1\DATA\081105\G	08/11/05	23:16
16	ZZZZZ	0508081-01A	EM\1\DATA\081105\G	08/12/05	0:25

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID: C:\HPCHEM\1\DATA\08 BFB Injection Date: 08/12/05

Instrument ID: V-3 BFB Injection Time: 6:08

GC Column: HP-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	42.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	5.7 (6.4)1
176	95.0 - 101.0% of mass 174	87.0 (97.1)1
177	5.0 - 9.0% of mass 176	6.2 (7.1)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	8260 ccv 25ppb	8260 ccv 25ppb	EM\1\DATA\081205\G	08/12/05	7:12
02	lcsf-08/12/05	lcsf-08/12/05	EM\1\DATA\081205\G	08/12/05	7:49
03	mb-08/12/05	mb-08/12/05	EM\1\DATA\081205\G	08/12/05	8:58
04	MW-6D	0508039-28A	EM\1\DATA\081205\G	08/12/05	9:32
05	MW-12D	0508039-26A	EM\1\DATA\081205\G	08/12/05	10:06
06	ZZZZZ	0508081-01A	EM\1\DATA\081205\G	08/12/05	10:41
07	MW-2B	0508039-15A	EM\1\DATA\081205\G	08/12/05	11:15
08	MW-12C	0508039-25A	EM\1\DATA\081205\G	08/12/05	12:16
09	MW-6B	0508039-20A	EM\1\DATA\081205\G	08/12/05	12:50
10	MW-7A	0508039-27A	EM\1\DATA\081205\G	08/12/05	13:24
11	ZZZZZ	0508081-02A	EM\1\DATA\081205\G	08/12/05	13:58
12	MW-6D	0508039-28Amsf	EM\1\DATA\081205\G	08/12/05	15:11
13	MW-6D	0508039-28Amsdf	EM\1\DATA\081205\G	08/12/05	16:19
14	ZZZZZ	0508058-03A	EM\1\DATA\081205\G	08/12/05	17:28
15	ZZZZZ	0508058-04A	EM\1\DATA\081205\G	08/12/05	18:02

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AMRO Environmental Laboratories Contract: ____

Lab Code: AMRO Case No.: LBG NY SAS No.: SDG No.: 0508039

Instrument ID: V-3 Calibration Date(s): 07/26/05 07/26/05

Heated Purge: (Y/N) N Calibration Times: 13:05 21:11

GC Column: HP-624 ID: 0.20 (mm)

LAB FILE ID: 0.5 PPB G1581.D 1.0 PPB G1583.D 2.0 PPB G1584.D
5.0 PPB G1585.D 10 PPB = G1586.D 25 PPB = G1588.D 50 PPB = G1589.D
100 PPB G1591.D 300 PPB G1595.D 200 PPB G1593.D

COMPOUND	0.5 PPB	1.0 PPB	2.0 PPB	5.0 PPB	10 PPB	25 PPB	50 PPB	100 PPB	300 PPB	200 PPB	$\overline{RRF}$	% RSD	
1,4-Dioxane					0.003	0.003	0.003	0.002	0.002	0.003	0.003	19.365	
Acrylonitrile	0.152	0.151	0.135	0.131	0.138	0.116	0.142	0.136	0.131	0.133	0.137	7.639	
Cyclohexanone				0.001	0.001			0.002	0.001		0.001	40.000	
Dichlorofluoromethane		0.513	0.439	0.428	0.437	0.378	0.350	0.416	0.389	0.408	0.418	11.070	
Diisopropyl ether	1.395	1.238	1.031	1.047	1.035	0.956	0.892	0.983	0.961	1.015	1.055	14.201	
Ethyl Tertiary Butyl Ether	0.829	0.688	0.661	0.654	0.664	0.580	0.544	0.573	0.527	0.566	0.629	14.375	
Freon-113	0.119	0.106	0.146	0.146	0.151	0.134	0.123	0.151	0.135	0.149	0.136	11.449	
Iodomethane	0.576	0.540	0.497	0.501	0.513	0.464	0.432	0.515	0.482	0.518	0.504	7.885	
Methyl methacrylate	0.289	0.304	0.264	0.273	0.318	0.323	0.260	0.251	0.247	0.245	0.277	10.573	
Tertiary Amyl Methyl Ether	0.910	0.808	0.720	0.719	0.747	0.657	0.625	0.642	0.578	0.616	0.702	14.356	
Tertiary Butanol	0.029	0.030	0.028	0.030	0.032	0.029	0.029	0.025	0.020	0.025	0.028	12.512	
Vinyl acetate				0.012	0.012	0.003	0.023	0.025	0.026	0.025	0.018	49.897	
Dichlorodifluoromethane		0.074	0.168	0.181	0.179	0.143	0.138	0.161	0.139	0.158	0.149	21.737	
Chloromethane *		0.468	0.372	0.346	0.342	0.271	0.267	0.312	0.297	0.316	0.332	18.493	*
Vinyl chloride *	0.376	0.327	0.277	0.290	0.291	0.239	0.228	0.277	0.263	0.276	0.284	14.900	*
Chloroethane		0.205	0.201	0.206	0.209	0.171	0.159	0.190	0.162	0.177	0.187	10.610	
Bromomethane		0.265	0.230	0.294	0.252	0.204	0.181	0.219	0.170	0.186	0.222	18.822	
Trichlorofluoromethane	0.216	0.251	0.276	0.273	0.276	0.229	0.215	0.256	0.229	0.255	0.248	9.660	
Diethyl ether	0.196	0.199	0.188	0.188	0.192	0.182	0.168	0.186	0.182	0.187	0.187	4.597	
Acetone			0.065	0.064	0.060	0.052	0.055	0.052	0.046	0.047	0.055	13.169	

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AMRO Environmental Laboratories Contract: ____

Lab Code: AMRO Case No.: LBG NY SAS No.: SDG No.: 0508039

Instrument ID: V-3 Calibration Date(s): 07/26/05 07/26/05

Heated Purge: (Y/N) N Calibration Times: 13:05 21:11

GC Column: HP-624 ID: 0.20 (mm)

LAB FILE ID: 0.5 PPB G1581.D 1.0 PPB G1583.D 2.0 PPB G1584.D
5.0 PPB G1585.D 10 PPB = G1586.D 25 PPB = G1588.D 50 PPB = G1589.D
100 PPB G1591.D 300 PPB G1595.D 200 PPB G1593.D

COMPOUND		0.5 PPB	1.0 PPB	2.0 PPB	5.0 PPB	10 PPB	25 PPB	50 PPB	100 PPB	300 PPB	200 PPB	RRF	% RSD	
1,1-Dichloroethene	*	0.326	0.310	0.232	0.241	0.238	0.203	0.190	0.231	0.221	0.239	0.243	17.656	*
Carbon disulfide		1.076	0.943	0.846	0.835	0.852	0.722	0.694	0.858	0.832	0.884	0.854	12.466	
Methylene chloride			0.475	0.422	0.369	0.369	0.341	0.314	0.359	0.363	0.373	0.376	12.453	
Methyl tert-butyl ether		0.549	0.527	0.475	0.447	0.461	0.424	0.409	0.424	0.397	0.423	0.454	11.127	
trans-1,2-Dichloroethene		0.368	0.296	0.276	0.275	0.281	0.252	0.233	0.272	0.266	0.276	0.280	12.682	
1,1-Dichloroethane	*	0.648	0.565	0.549	0.524	0.505	0.467	0.422	0.491	0.487	0.505	0.516	11.891	*
2-Butanone			0.040	0.053	0.055	0.064	0.045	0.050	0.047	0.042	0.042	0.049	15.850	
2,2-Dichloropropane		0.274	0.338	0.254	0.258	0.229	0.188	0.164	0.189	0.174	0.187	0.226	24.533	
cis-1,2-Dichloroethene		0.367	0.380	0.312	0.303	0.304	0.278	0.254	0.288	0.292	0.299	0.308	12.481	
Chloroform	*	0.516	0.452	0.470	0.435	0.472	0.406	0.384	0.442	0.417	0.434	0.443	8.467	*
Tetrahydrofuran			0.178	0.153	0.134	0.109	0.100	0.095	0.090	0.086	0.088	0.115	28.615	
Bromochloromethane		0.216	0.191	0.148	0.177	0.170	0.164	0.155	0.170	0.166	0.175	0.173	11.038	
1,1,1-Trichloroethane		0.289	0.270	0.247	0.258	0.272	0.244	0.232	0.275	0.252	0.263	0.260	6.527	
1,1-Dichloropropene		0.489	0.392	0.365	0.378	0.361	0.331	0.311	0.362	0.330	0.350	0.367	13.409	
Carbon tetrachloride		0.257	0.273	0.218	0.237	0.237	0.210	0.197	0.232	0.207	0.221	0.229	10.205	
1,2-Dichloroethane		0.387	0.329	0.351	0.328	0.352	0.314	0.306	0.326	0.317	0.331	0.334	7.075	
Benzene		1.422	1.287	1.205	1.188	1.226	1.080	1.008	1.151	1.104	1.156	1.183	9.744	
Trichloroethene		0.351	0.303	0.291	0.278	0.293	0.258	0.249	0.281	0.275	0.283	0.286	9.716	
1,2-Dichloropropane	*	0.395	0.331	0.332	0.320	0.338	0.308	0.293	0.323	0.323	0.332	0.330	8.059	*
Bromodichloromethane		0.471	0.369	0.320	0.321	0.353	0.319	0.319	0.354	0.359	0.365	0.355	12.856	

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AMRO Environmental Laboratories Contract: ____

Lab Code: AMRO Case No.: LBG NY SAS No.: SDG No.: 0508039

Instrument ID: V-3 Calibration Date(s): 07/26/05 07/26/05

Heated Purge: (Y/N) N Calibration Times: 13:05 21:11

GC Column: HP-624 ID: 0.20 (mm)

LAB FILE ID:	0.5 PPB G1581.D	1.0 PPB G1583.D	2.0 PPB G1584.D
5.0 PPB G1585.D	10 PPB = G1586.D	25 PPB = G1588.D	50 PPB = G1589.D
100 PPB G1591.D	300 PPB G1595.D	200 PPB G1593.D	

COMPOUND		0.5 PPB	1.0 PPB	2.0 PPB	5.0 PPB	10 PPB	25 PPB	50 PPB	100 PPB	300 PPB	200 PPB	RRF	% RSD	
Dibromomethane		0.240	0.228	0.207	0.219	0.238	0.212	0.211	0.224	0.217	0.220	0.222	4.994	
4-Methyl-2-pentanone			0.049	0.035	0.051	0.057	0.052	0.055	0.052	0.050	0.050	0.050	12.400	
cis-1,3-Dichloropropene		0.578	0.530	0.435	0.484	0.495	0.463	0.457	0.494	0.502	0.506	0.494	8.110	
Toluene	*	0.731	0.711	0.646	0.659	0.708	0.649	0.593	0.676	0.673	0.696	0.674	5.945	*
trans-1,3-Dichloropropene		0.496	0.452	0.365	0.391	0.419	0.393	0.399	0.425	0.428	0.437	0.421	8.760	
1,1,2-Trichloroethane		0.371	0.359	0.282	0.301	0.306	0.280	0.281	0.289	0.281	0.285	0.304	11.108	
1,2-Dibromoethane		0.351	0.370	0.321	0.315	0.344	0.316	0.316	0.325	0.320	0.327	0.331	5.585	
2-Hexanone		0.299	0.286	0.224	0.257	0.249	0.213	0.236	0.211	0.205	0.203	0.238	14.247	
1,3-Dichloropropane		0.991	0.802	0.743	0.693	0.715	0.694	0.667	0.679	0.683	0.694	0.736	13.285	
Tetrachloroethene		0.384	0.326	0.330	0.311	0.316	0.295	0.275	0.309	0.305	0.318	0.317	8.946	
Dibromochloromethane		0.484	0.411	0.407	0.416	0.431	0.412	0.422	0.435	0.452	0.450	0.432	5.596	
Chlorobenzene	*	1.345	1.126	1.022	1.044	1.070	0.992	0.961	1.027	1.019	1.046	1.065	10.116	*
1,1,1,2-Tetrachloroethane		0.347	0.349	0.328	0.323	0.342	0.310	0.310	0.329	0.335	0.338	0.331	4.181	
Ethylbenzene	*	1.862	1.642	1.460	1.516	1.584	1.449	1.408	1.562	1.564	1.610	1.566	8.192	*
m,p-Xylene		0.726	0.631	0.589	0.583	0.629	0.578	0.554	0.608		0.619	0.613	8.073	
o-Xylene		0.716	0.631	0.585	0.550	0.576	0.553	0.544	0.580	0.583	0.594	0.591	8.553	
Styrene		1.229	1.146	1.037	1.111	1.095	0.989	1.042	1.115	1.124	1.144	1.103	6.132	
Bromoform	*	0.263	0.290	0.254	0.294	0.299	0.274	0.302	0.301	0.305	0.309	0.289	6.544	*
Isopropylbenzene		2.987	2.775	2.398	2.420	2.492	2.134	2.108	2.458	2.598	2.561	2.493	10.628	
1,1,2,2-Tetrachloroethane	*	1.241	1.205	1.071	1.246	1.267	1.141	1.116	1.094	1.115	1.094	1.159	6.326	*

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AMRO Environmental Laboratories Contract: ____

Lab Code: AMRO Case No.: LBG NY SAS No.: SDG No.: 0508039

Instrument ID: V-3 Calibration Date(s): 07/26/05 07/26/05

Heated Purge: (Y/N) N Calibration Times: 13:05 21:11

GC Column: HP-624 ID: 0.20 (mm)

LAB FILE ID: 0.5 PPB G1581.D 1.0 PPB G1583.D 2.0 PPB G1584.D
5.0 PPB G1585.D 10 PPB = G1586.D 25 PPB = G1588.D 50 PPB = G1589.D
100 PPB G1591.D 300 PPB G1595.D 200 PPB G1593.D

COMPOUND	0.5 PPB	1.0 PPB	2.0 PPB	5.0 PPB	10 PPB	25 PPB	50 PPB	100 PPB	300 PPB	200 PPB	$\overline{RRF}$	% RSD
1,2,3-Trichloropropane	0.920	0.906	0.864	0.918	0.916	0.824	0.827	0.782	0.775	0.771	0.850	7.324
Bromobenzene	0.895	1.018	0.936	0.926	0.978	0.886	0.858	0.901	0.924	0.944	0.927	5.011
n-Propylbenzene	3.689	3.591	3.063	3.187	3.126	2.525	2.711	3.131	3.237	3.341	3.160	11.169
2-Chlorotoluene	2.392	2.168	2.003	2.038	2.003	1.833	1.694	1.911	1.965	1.975	1.998	9.357
4-Chlorotoluene	2.849	2.670	2.285	2.404	2.325	2.124	2.015	2.221	2.277	2.321	2.349	10.478
1,3,5-Trimethylbenzene	2.492	2.179	2.025	2.084	2.139	1.995	1.820	2.103	2.147	2.156	2.114	8.042
tert-Butylbenzene	2.198	1.760	1.621	1.590	1.608	1.557	1.387	1.626	1.804	1.811	1.696	12.816
1,2,4-Trimethylbenzene	2.588	2.330	2.040	2.179	2.195	2.050	1.927	2.154	2.245	2.275	2.198	8.309
sec-Butylbenzene	3.175	2.689	2.432	2.441	2.534	2.158	2.177	2.559	2.795	2.767	2.573	11.810
4-Isopropyltoluene	2.794	2.327	2.063	2.134	2.184	2.095	1.913	2.163	2.301	2.307	2.228	10.588
1,3-Dichlorobenzene	1.925	1.777	1.574	1.636	1.682	1.541	1.457	1.581	1.580	1.603	1.636	8.093
1,4-Dichlorobenzene	2.002	1.855	1.704	1.742	1.752	1.592	1.497	1.597	1.574	1.607	1.692	8.965
n-Butylbenzene	2.781	2.081	1.913	1.924	1.998	1.775	1.752	1.993	2.136	2.139	2.049	14.140
1,2-Dichlorobenzene	1.799	1.579	1.480	1.582	1.581	1.475	1.422	1.489	1.507	1.513	1.543	6.769
1,2-Dibromo-3-chloropropane	0.190	0.115	0.092	0.142	0.141	0.129	0.146	0.137	0.135	0.133	0.136	18.200
1,2,4-Trichlorobenzene	1.124	1.218	0.981	1.008	1.026	0.965	0.887	0.935	0.975	0.974	1.009	9.495
Hexachlorobutadiene	0.421	0.368	0.352	0.366	0.362	0.335	0.303	0.334	0.374	0.372	0.359	8.699
Naphthalene		3.530	2.807	3.077	3.050	2.883	2.896	2.747	2.885	2.849	2.969	7.922
1,2,3-Trichlorobenzene	1.380	1.030	0.965	0.987	0.998	0.945	0.909	0.927	0.966	0.952	1.006	13.519
Dibromofluoromethane	0.267	0.275	0.281	0.281	0.285	0.275	0.274	0.288	0.263	0.269	0.276	2.910

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AMRO Environmental Laboratories Contract: ____

Lab Code: AMRO Case No.: LBG NY SAS No.: SDG No.: 0508039

Instrument ID: V-3 Calibration Date(s): 07/26/05 07/26/05

Heated Purge: (Y/N) N Calibration Times: 13:05 21:11

GC Column: HP-624 ID: 0.20 (mm)

LAB FILE ID: 0.5 PPB G1581.D 1.0 PPB G1583.D 2.0 PPB G1584.D
5.0 PPB G1585.D 10 PPB = G1586.D 25 PPB = G1588.D 50 PPB = G1589.D
100 PPB G1591.D 300 PPB G1595.D 200 PPB G1593.D

COMPOUND	0.5 PPB	1.0 PPB	2.0 PPB	5.0 PPB	10 PPB	25 PPB	50 PPB	100 PPB	300 PPB	200 PPB	$\overline{RRF}$	% RSD
1,2-Dichloroethane-d4	0.244	0.253	0.260	0.259	0.257	0.255	0.253	0.255	0.245	0.256	0.254	2.111
Toluene-d8	0.872	0.874	0.891	0.889	0.901	0.882	0.908	0.903	0.892	0.899	0.891	1.366
4-Bromofluorobenzene	0.395	0.400	0.405	0.401	0.405	0.412	0.423	0.417	0.413	0.414	0.409	2.129

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

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/06/05 Time: 6:29

Lab File ID: C:\HPCHEM\1\DATA\080605 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.149	0.181		21.477	
Chloromethane	0.332	0.355	0.100	6.82	
Vinyl chloride	0.284	0.305		7.243	20.0
Chloroethane	0.187	0.209		11.964	
Bromomethane	0.222	0.245		10.195	
Trichlorofluoromethane	0.248	0.271		9.451	
Diethyl ether	0.187	0.193		3.319	
Acetone	0.055	0.078		41.497	
1,1-Dichloroethene	0.243	0.259		6.541	20.0
Carbon disulfide	0.854	0.929		8.757	
Methylene chloride	0.376	0.383		1.832	
Methyl tert-butyl ether	0.454	0.437		-3.66	
trans-1,2-Dichloroethene	0.279	0.280		0.179	
1,1-Dichloroethane	0.516	0.495	0.100	-4.126	
2-Butanone	0.049	0.067		37.671	
2,2-Dichloropropane	0.225	0.231		2.439	
cis-1,2-Dichloroethene	0.308	0.297		-3.477	
Chloroform	0.443	0.473		6.82	20.0
Tetrahydrofuran	0.115	0.087		-24.201	
Bromochloromethane	0.173	0.182		5.081	
1,1,1-Trichloroethane	0.260	0.280		7.61	
1,1-Dichloropropene	0.367	0.347		-5.424	
Carbon tetrachloride	0.229	0.243		6.16	
1,2-Dichloroethane	0.334	0.340		1.766	
Benzene	1.183	1.129		-4.54	
Trichloroethene	0.286	0.277		-3.215	
1,2-Dichloropropane	0.330	0.316		-4.097	20.0
Bromodichloromethane	0.355	0.351		-1.127	
Dibromomethane	0.222	0.214		-3.43	
4-Methyl-2-pentanone	0.050	0.052		3.769	
cis-1,3-Dichloropropene	0.494	0.467		-5.542	
Toluene	0.674	0.667		-1.068	20.0
trans-1,3-Dichloropropene	0.420	0.403		-4.162	
1,1,2-Trichloroethane	0.304	0.288		-5.107	
1,2-Dibromoethane	0.330	0.315		-4.69	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/06/05 Time: 6:29

Lab File ID: C:\HPCHEM\1\DATA\080605 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
2-Hexanone	0.238	0.282		18.338	
1,3-Dichloropropane	0.736	0.663		-9.931	
Tetrachloroethene	0.317	0.310		-2.177	
Dibromochloromethane	0.432	0.425		-1.62	
Chlorobenzene	1.065	1.032	0.300	-3.117	
1,1,1,2-Tetrachloroethane	0.331	0.328		-0.936	
Ethylbenzene	1.566	1.478		-5.601	20.0
m,p-Xylene	0.613	0.584		-4.731	
o-Xylene	0.591	0.555		-6.123	
Styrene	1.103	1.072		-2.828	
Bromoform	0.289	0.276	0.100	-4.531	
Isopropylbenzene	2.493	2.352		-5.66	
1,1,2,2-Tetrachloroethane	1.159	1.036	0.300	-10.613	
1,2,3-Trichloropropane	0.850	0.758		-10.855	
Bromobenzene	0.927	0.876		-5.461	
n-Propylbenzene	3.160	3.099		-1.933	
2-Chlorotoluene	1.998	1.854		-7.216	
4-Chlorotoluene	2.349	2.183		-7.071	
1,3,5-Trimethylbenzene	2.114	2.049		-3.075	
tert-Butylbenzene	1.696	1.582		-6.733	
1,2,4-Trimethylbenzene	2.198	2.020		-8.111	
sec-Butylbenzene	2.573	2.432		-5.469	
4-Isopropyltoluene	2.228	2.101		-5.704	
1,3-Dichlorobenzene	1.636	1.538		-5.967	
1,4-Dichlorobenzene	1.692	1.621		-4.208	
n-Butylbenzene	2.049	1.884		-8.062	
1,2-Dichlorobenzene	1.543	1.459		-5.426	
1,2-Dibromo-3-chloropropane	0.136	0.122		-10.294	
1,2,4-Trichlorobenzene	1.009	0.890		-11.82	
Hexachlorobutadiene	0.359	0.353		-1.589	
Naphthalene	2.969	2.405		-19.005	
1,2,3-Trichlorobenzene	1.006	0.880		-12.516	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/09/05 Time: 9:45

Lab File ID: C:\HPCHEM\1\DATA\080905 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.149	0.189		26.846	
Chloromethane	0.332	0.374	0.100	12.538	
Vinyl chloride	0.284	0.312		9.705	20.0
Chloroethane	0.187	0.214		14.643	
Bromomethane	0.222	0.246		10.645	
Trichlorofluoromethane	0.248	0.277		11.874	
Diethyl ether	0.187	0.206		10.278	
Acetone	0.055	0.074		34.24	
1,1-Dichloroethene	0.243	0.268		10.243	20.0
Carbon disulfide	0.854	0.955		11.801	
Methylene chloride	0.376	0.404		7.415	
Methyl tert-butyl ether	0.454	0.491		8.245	
trans-1,2-Dichloroethene	0.279	0.295		5.546	
1,1-Dichloroethane	0.516	0.527	0.100	2.072	
2-Butanone	0.049	0.065		33.562	
2,2-Dichloropropane	0.225	0.248		9.978	
cis-1,2-Dichloroethene	0.308	0.318		3.347	
Chloroform	0.443	0.472		6.594	20.0
Tetrahydrofuran	0.115	0.091		-20.716	
Bromochloromethane	0.173	0.193		11.432	
1,1,1-Trichloroethane	0.260	0.274		5.304	
1,1-Dichloropropene	0.367	0.350		-4.606	
Carbon tetrachloride	0.229	0.234		2.228	
1,2-Dichloroethane	0.334	0.358		7.154	
Benzene	1.183	1.187		0.364	
Trichloroethene	0.286	0.289		0.978	
1,2-Dichloropropane	0.330	0.339		2.883	20.0
Bromodichloromethane	0.355	0.383		7.887	
Dibromomethane	0.222	0.232		4.693	
4-Methyl-2-pentanone	0.050	0.051		1.774	
cis-1,3-Dichloropropene	0.494	0.520		5.178	
Toluene	0.674	0.694		2.937	20.0
trans-1,3-Dichloropropene	0.420	0.450		7.015	
1,1,2-Trichloroethane	0.304	0.312		2.801	
1,2-Dibromoethane	0.330	0.340		2.874	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/09/05 Time: 9:45

Lab File ID: C:\HPCHEM\1\DATA\080905 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
2-Hexanone	0.238	0.275		15.401	
1,3-Dichloropropane	0.736	0.702		-4.633	
Tetrachloroethene	0.317	0.322		1.609	
Dibromochloromethane	0.432	0.471		9.028	
Chlorobenzene	1.065	1.082	0.300	1.577	
1,1,1,2-Tetrachloroethane	0.331	0.351		6.01	
Ethylbenzene	1.566	1.574		0.53	20.0
m,p-Xylene	0.613	0.628		2.447	
o-Xylene	0.591	0.603		1.996	
Styrene	1.103	1.146		3.88	
Bromoform	0.289	0.305	0.100	5.5	
Isopropylbenzene	2.493	2.458		-1.408	
1,1,2,2-Tetrachloroethane	1.159	1.129	0.300	-2.588	
1,2,3-Trichloropropane	0.850	0.838		-1.447	
Bromobenzene	0.927	0.968		4.468	
n-Propylbenzene	3.160	3.217		1.801	
2-Chlorotoluene	1.998	1.965		-1.661	
4-Chlorotoluene	2.349	2.350		0.038	
1,3,5-Trimethylbenzene	2.114	2.184		3.311	
tert-Butylbenzene	1.696	1.685		-0.66	
1,2,4-Trimethylbenzene	2.198	2.245		2.124	
sec-Butylbenzene	2.573	2.620		1.839	
4-Isopropyltoluene	2.228	2.305		3.451	
1,3-Dichlorobenzene	1.636	1.682		2.837	
1,4-Dichlorobenzene	1.692	1.757		3.829	
n-Butylbenzene	2.049	2.075		1.259	
1,2-Dichlorobenzene	1.543	1.622		5.14	
1,2-Dibromo-3-chloropropane	0.136	0.130		-4.412	
1,2,4-Trichlorobenzene	1.009	1.030		2.051	
Hexachlorobutadiene	0.359	0.385		7.332	
Naphthalene	2.969	2.950		-0.651	
1,2,3-Trichlorobenzene	1.006	1.022		1.601	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/10/05 Time: 7:38

Lab File ID: E:\HPCHEM\1\DATA\081005 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
1,1,1,2-Tetrachloroethane	0.331	0.352		6.312	
1,1,1-Trichloroethane	0.260	0.300		15.296	
1,1,2,2-Tetrachloroethane	1.159	1.093	0.300	-5.695	
1,1,2-Trichloroethane	0.304	0.308		1.483	
1,1-Dichloroethane	0.516	0.534	0.100	3.428	
1,1-Dichloroethene	0.243	0.263		8.186	20.0
1,1-Dichloropropene	0.367	0.363		-1.063	
1,2,3-Trichlorobenzene	1.006	0.867		-13.809	
1,2,3-Trichloropropane	0.850	0.786		-7.562	
1,2,4-Trichlorobenzene	1.009	0.924		-8.451	
1,2,4-Trimethylbenzene	2.198	2.132		-3.016	
1,2-Dibromo-3-chloropropane	0.136	0.130		-4.412	
1,2-Dibromoethane	0.330	0.336		1.664	
1,2-Dichlorobenzene	1.543	1.497		-2.962	
1,2-Dichloroethane	0.334	0.370		10.745	
1,2-Dichloropropane	0.330	0.320		-2.883	20.0
1,3,5-Trimethylbenzene	2.114	2.058		-2.649	
1,3-Dichlorobenzene	1.636	1.559		-4.683	
1,3-Dichloropropane	0.736	0.678		-7.893	
1,4-Dichlorobenzene	1.692	1.654		-2.257	
1,4-Dioxane	0.003	0.003		12.5	
2,2-Dichloropropane	0.225	0.257		13.969	
2-Butanone	0.049	0.073		50	
2-Chlorotoluene	1.998	1.840		-7.917	
2-Hexanone	0.238	0.311		30.508	
4-Chlorotoluene	2.349	2.206		-6.092	
4-Isopropyltoluene	2.228	2.115		-5.076	
4-Methyl-2-pentanone	0.050	0.057		13.747	
Acetone	0.055	0.086		56.009	
Acrylonitrile	0.137	0.149		9.158	
Benzene	1.183	1.169		-1.158	
Bromobenzene	0.927	0.903		-2.547	
Bromochloromethane	0.173	0.191		10.277	
Bromodichloromethane	0.355	0.380		7.042	
Bromoform	0.289	0.298	0.100	3.079	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/10/05 Time: 7:38

Lab File ID: E:\HPCHEM\1\DATA\081005 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Bromomethane	0.222	0.252		13.343	
Carbon disulfide	0.854	0.936		9.576	
Carbon tetrachloride	0.229	0.261		14.024	
Chlorobenzene	1.065	1.057	0.300	-0.77	
Chloroethane	0.187	0.224		20	
Chloroform	0.443	0.474		7.046	20.0
Chloromethane	0.332	0.356	0.100	7.121	
cis-1,2-Dichloroethene	0.308	0.321		4.322	
cis-1,3-Dichloropropene	0.494	0.489		-1.092	
Dibromochloromethane	0.432	0.454		5.093	
Dibromomethane	0.222	0.231		4.242	
Dichlorodifluoromethane	0.149	0.180		20.805	
Dichlorofluoromethane	0.418	0.481		15.194	
Diethyl ether	0.187	0.205		9.743	
Diisopropyl ether	1.055	0.980		-7.135	
Ethyl Tertiary Butyl Ether	0.629	0.652		3.723	
Ethylbenzene	1.566	1.512		-3.43	20.0
Freon-113	0.136	0.150		10.294	
Hexachlorobutadiene	0.359	0.356		-0.753	
Iodomethane	0.504	0.577		14.53	
Isopropylbenzene	2.493	2.317		-7.063	
m,p-Xylene	0.613	0.604		-1.468	
Methyl tert-butyl ether	0.454	0.471		3.836	
Methylene chloride	0.376	0.421		11.935	
n-Butylbenzene	2.049	1.909		-6.842	
n-Propylbenzene	3.160	3.007		-4.845	
Naphthalene	2.969	2.572		-13.381	
o-Xylene	0.591	0.572		-3.248	
sec-Butylbenzene	2.573	2.364		-8.112	
Styrene	1.103	1.118		1.342	
tert-Butylbenzene	1.696	1.558		-8.148	
Tertiary Amyl Methyl Ether	0.702	0.685		-2.449	
Tertiary Butanol	0.028	0.026		-6.137	
Tetrachloroethene	0.317	0.326		2.872	
Tetrahydrofuran	0.115	0.095		-17.231	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/10/05 Time: 7:38

Lab File ID: E:\HPCHEM\1\DATA\081005 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Toluene	0.674	0.688		2.047	20.0
trans-1,2-Dichloroethene	0.279	0.304		8.766	
trans-1,3-Dichloropropene	0.420	0.431		2.497	
Trichloroethene	0.286	0.288		0.629	
Trichlorofluoromethane	0.248	0.284		14.701	
Vinyl acetate	0.018	0.023		27.778	
Vinyl chloride	0.284	0.299		5.134	20.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/11/05 Time: 7:13

Lab File ID: C:\HPCHEM\1\DATA\081105 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
1,1,1,2-Tetrachloroethane	0.331	0.337		1.782	
1,1,1-Trichloroethane	0.260	0.286		9.915	
1,1,2,2-Tetrachloroethane	1.159	1.007	0.300	-13.115	
1,1,2-Trichloroethane	0.304	0.294		-3.13	
1,1-Dichloroethane	0.516	0.508	0.100	-1.608	
1,1-Dichloroethene	0.243	0.253		4.072	20.0
1,1-Dichloropropene	0.367	0.344		-6.241	
1,2,3-Trichlorobenzene	1.006	0.922		-8.341	
1,2,3-Trichloropropane	0.850	0.755		-11.208	
1,2,4-Trichlorobenzene	1.009	0.933		-7.56	
1,2,4-Trimethylbenzene	2.198	2.067		-5.973	
1,2-Dibromo-3-chloropropane	0.136	0.120		-11.765	
1,2-Dibromoethane	0.330	0.318		-3.782	
1,2-Dichlorobenzene	1.543	1.480		-4.064	
1,2-Dichloroethane	0.334	0.359		7.453	
1,2-Dichloropropane	0.330	0.302		-8.346	20.0
1,3,5-Trimethylbenzene	2.114	2.038		-3.595	
1,3-Dichlorobenzene	1.636	1.542		-5.723	
1,3-Dichloropropane	0.736	0.653		-11.289	
1,4-Dichlorobenzene	1.692	1.646		-2.73	
1,4-Dioxane	0.003	0.002		-25	
2,2-Dichloropropane	0.225	0.242		7.317	
2-Butanone	0.049	0.060		23.288	
2-Chlorotoluene	1.998	1.799		-9.969	
2-Hexanone	0.238	0.252		5.749	
4-Chlorotoluene	2.349	2.135		-9.114	
4-Isopropyltoluene	2.228	2.110		-5.3	
4-Methyl-2-pentanone	0.050	0.046		-8.204	
Acetone	0.055	0.069		25.17	
Acrylonitrile	0.137	0.121		-11.355	
Benzene	1.183	1.089		-7.923	
Bromobenzene	0.927	0.884		-4.597	
Bromochloromethane	0.173	0.186		7.39	
Bromodichloromethane	0.355	0.374		5.352	
Bromoform	0.289	0.295	0.100	2.041	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/11/05 Time: 7:13

Lab File ID: C:\HPCHEM\1\DATA\081105 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Bromomethane	0.222	0.236		6.147	
Carbon disulfide	0.854	0.926		8.406	
Carbon tetrachloride	0.229	0.252		10.092	
Chlorobenzene	1.065	1.026	0.300	-3.68	
Chloroethane	0.187	0.200		7.143	
Chloroform	0.443	0.465		5.014	20.0
Chloromethane	0.332	0.325	0.100	-2.207	
cis-1,2-Dichloroethene	0.308	0.305		-0.877	
cis-1,3-Dichloropropene	0.494	0.465		-5.947	
Dibromochloromethane	0.432	0.455		5.324	
Dibromomethane	0.222	0.224		1.083	
Dichlorodifluoromethane	0.149	0.187		25.503	
Dichlorofluoromethane	0.418	0.458		9.686	
Diethyl ether	0.187	0.188		0.642	
Diisopropyl ether	1.055	0.916		-13.2	
Ethyl Tertiary Butyl Ether	0.629	0.628		-0.095	
Ethylbenzene	1.566	1.486		-5.09	20.0
Freon-113	0.136	0.154		13.235	
Hexachlorobutadiene	0.359	0.386		7.611	
Iodomethane	0.504	0.567		12.545	
Isopropylbenzene	2.493	2.272		-8.868	
m,p-Xylene	0.613	0.594		-3.1	
Methyl tert-butyl ether	0.454	0.441		-2.778	
Methylene chloride	0.376	0.382		1.566	
n-Butylbenzene	2.049	1.896		-7.476	
n-Propylbenzene	3.160	2.931		-7.25	
Naphthalene	2.969	2.526		-14.93	
o-Xylene	0.591	0.562		-4.939	
sec-Butylbenzene	2.573	2.367		-7.995	
Styrene	1.103	1.075		-2.556	
tert-Butylbenzene	1.696	1.577		-7.027	
Tertiary Amyl Methyl Ether	0.702	0.639		-9	
Tertiary Butanol	0.028	0.021		-24.188	
Tetrachloroethene	0.317	0.324		2.24	
Tetrahydrofuran	0.115	0.070		-39.013	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/11/05 Time: 7:13

Lab File ID: C:\HPCHEM\1\DATA\081105 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Toluene	0.674	0.646		-4.183	20.0
trans-1,2-Dichloroethene	0.279	0.286		2.326	
trans-1,3-Dichloropropene	0.420	0.403		-4.162	
Trichloroethene	0.286	0.279		-2.516	
Trichlorofluoromethane	0.248	0.301		21.567	
Vinyl acetate	0.018	0.024		33.333	
Vinyl chloride	0.284	0.269		-5.415	20.0

NOT ANALYZED (7B)

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/12/05 Time: 7:12

Lab File ID: C:\HPCHEM\1\DATA\081205 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

verified for raw data TR

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
1,1,1,2-Tetrachloroethane	0.331	0.000		-100	
1,1,1-Trichloroethane	0.260	0.000		-100	
1,1,2,2-Tetrachloroethane	1.159	0.000	0.300	-100	
1,1,2-Trichloroethane	0.304	0.000		-100	
1,1-Dichloroethane	0.516	0.000	0.100	-100	
1,1-Dichloroethene	0.243	0.000		-100	20.0
1,1-Dichloropropene	0.367	0.000		-100	
1,2,3-Trichlorobenzene	1.006	0.000		-100	
1,2,3-Trichloropropane	0.850	0.000		-100	
1,2,4-Trichlorobenzene	1.009	0.000		-100	
1,2,4-Trimethylbenzene	2.198	0.000		-100	
1,2-Dibromo-3-chloropropane	0.136	0.000		-100	
1,2-Dibromoethane	0.330	0.000		-100	
1,2-Dichlorobenzene	1.543	0.000		-100	
1,2-Dichloroethane	0.334	0.000		-100	
1,2-Dichloropropane	0.330	0.000		-100	20.0
1,3,5-Trimethylbenzene	2.114	0.000		-100	
1,3-Dichlorobenzene	1.636	0.000		-100	
1,3-Dichloropropane	0.736	0.000		-100	
1,4-Dichlorobenzene	1.692	0.000		-100	
1,4-Dioxane	0.003	0.000		-100	
2,2-Dichloropropane	0.225	0.000		-100	
2-Butanone	0.049	0.000		-100	
2-Chlorotoluene	1.998	0.000		-100	
2-Hexanone	0.238	0.000		-100	
4-Chlorotoluene	2.349	0.000		-100	
4-Isopropyltoluene	2.228	0.000		-100	
4-Methyl-2-pentanone	0.050	0.000		-100	
Acetone	0.055	0.000		-100	
Acrylonitrile	0.137	0.000		-100	
Benzene	1.183	0.000		-100	
Bromobenzene	0.927	0.000		-100	
Bromochloromethane	0.173	0.000		-100	
Bromodichloromethane	0.355	0.000		-100	
Bromoform	0.289	0.000	0.100	-100	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/12/05 Time: 7:12

Lab File ID: C:\HPCHEM\1\DATA\081205 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Bromomethane	0.222	0.000		-100	
Carbon disulfide	0.854	0.000		-100	
Carbon tetrachloride	0.229	0.000		-100	
Chlorobenzene	1.065	0.000	0.300	-100	
Chloroethane	0.187	0.000		-100	
Chloroform	0.443	0.000		-100	20.0
Chloromethane	0.332	0.000	0.100	-100	
cis-1,2-Dichloroethene	0.308	0.000		-100	
cis-1,3-Dichloropropene	0.494	0.000		-100	
Dibromochloromethane	0.432	0.000		-100	
Dibromomethane	0.222	0.000		-100	
Dichlorodifluoromethane	0.149	0.000		-100	
Dichlorofluoromethane	0.418	0.000		-100	
Diethyl ether	0.187	0.000		-100	
Diisopropyl ether	1.055	0.000		-100	
Ethyl Tertiary Butyl Ether	0.629	0.000		-100	
Ethylbenzene	1.566	0.000		-100	20.0
Freon-113	0.136	0.000		-100	
Hexachlorobutadiene	0.359	0.000		-100	
Iodomethane	0.504	0.000		-100	
Isopropylbenzene	2.493	0.000		-100	
m,p-Xylene	0.613	0.000		-100	
Methyl tert-butyl ether	0.454	0.000		-100	
Methylene chloride	0.376	0.000		-100	
n-Butylbenzene	2.049	0.000		-100	
n-Propylbenzene	3.160	0.000		-100	
Naphthalene	2.969	0.000		-100	
o-Xylene	0.591	0.000		-100	
sec-Butylbenzene	2.573	0.000		-100	
Styrene	1.103	0.000		-100	
tert-Butylbenzene	1.696	0.000		-100	
Tertiary Amyl Methyl Ether	0.702	0.000		-100	
Tertiary Butanol	0.028	0.000		-100	
Tetrachloroethene	0.317	0.000		-100	
Tetrahydrofuran	0.115	0.000		-100	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Instrument ID: V-3 Calibration Date: 08/12/05 Time: 7:12

Lab File ID: C:\HPCHEM\1\DATA\081205 Init. Calib. Date(s): 07/26/05 07/26/05

EPA Sample No.: 8260 ccv 25ppb Init. Calib. Times: 13:05 21:11

Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

COMPOUND	IC RRF	CCV RRF	MIN RRF	%D	MAX %D
Toluene	0.674	0.000		-100	20.0
trans-1,2-Dichloroethene	0.279	0.000		-100	
trans-1,3-Dichloropropene	0.420	0.000		-100	
Trichloroethene	0.286	0.000		-100	
Trichlorofluoromethane	0.248	0.000		-100	
Vinyl acetate	0.018	0.000		-100	
Vinyl chloride	0.284	0.000		-100	20.0

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID (Standard): C:\HPCHEM\1\DATA\08060 Date Analyzed: 08/06/05

EPA Sample No.(VSTD050##) 8260 ccv 25ppb Time Analyzed: 6:29

Instrument ID: V-3 Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1107292	8.13	839905	13.88	424341	18.39
	UPPER LIMIT	2214584	8.63	1679810	14.38	848682	18.89
	LOWER LIMIT	553646	7.63	419953	13.38	212171	17.89
	EPA SAMPLE						
01	lcsf-08/06/05	1086199	8.130	808019	13.880	404876	18.390
02	lcsf-08/06/05	1086199	8.130	808019	13.880	404876	18.390
03	mb-08/06/05	1043290	8.120	795080	13.870	382598	18.380
04	mb-08/06/05	1043290	8.120	795080	13.870	382598	18.380
05	ZZZZZ	1017875	8.130	774692	13.870	378911	18.390
06	ZZZZZ	974446	8.130	740605	13.860	348335	18.380
07	ZZZZZ	984582	8.130	733175	13.860	350676	18.380
08	ZZZZZ	974107	8.120	739436	13.870	359665	18.380
09	ZZZZZ	1005524	8.130	750399	13.870	349371	18.380
10	ZZZZZ	973075	8.130	745051	13.870	339744	18.390
11	ZZZZZ	960094	8.140	723175	13.870	342125	18.380
12	ZZZZZ	971620	8.130	721872	13.870	340515	18.390
13	ZZZZZ	969212	8.130	740209	13.870	343575	18.380
14	0508040-04Amsf	1011488	8.140	753309	13.870	386279	18.380
15	0508040-04Amsdf	994826	8.120	754835	13.870	386711	18.380
16	MW-9D	973981	8.120	746347	13.870	343540	18.380
17	MW-5A	940305	8.130	725053	13.860	337295	18.380
18	MW-8B	976620	8.120	736256	13.860	346247	18.380
19	MW-8C	984376	8.120	745294	13.850	345092	18.380

IS1 = Fluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

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: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG_NY SAS No.: _____ SDG No.: 0508039

Lab File ID (Standard): C:\HPCHEM\1\DATA\08090 Date Analyzed: 08/09/05

EPA Sample No.(VSTD050##) 8260 ccv 25ppb Time Analyzed: 9:45

Instrument ID: V-3 Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1046362	8.13	805551	13.88	406619	18.39
	UPPER LIMIT	2092724	8.63	1611102	14.38	813238	18.89
	LOWER LIMIT	523181	7.63	402776	13.38	203310	17.89
	EPA SAMPLE						
01	lcsf-08/09/05	1115301	8.140	853545	13.870	414640	18.400
02	mb-08/09/05	1050111	8.140	795984	13.880	371590	18.400
03	MW-8A	1035159	8.150	776195	13.880	364911	18.400
04	MW-8A	990948	8.150	739434	13.880	343668	18.410
05	ZZZZZ	1003359	8.140	756772	13.880	344611	18.400
06	MW-5D	980445	8.150	750516	13.880	349977	18.410
07	MW-5B	944909	8.150	719562	13.880	340972	18.390
08	MW-9A	921864	8.130	697906	13.880	332707	18.390
09	MW-8D	908175	8.150	690835	13.880	327895	18.410
10	MW-8D	934131	8.150	739407	13.880	371530	18.410
11	MW-8D	994877	8.150	749313	13.890	386067	18.410

IS1 = Fluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

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: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID (Standard): E:\HPCHEM\1\DATA\08100 Date Analyzed: 08/10/05

EPA Sample No.(VSTD050##) 8260 ccv 25ppb Time Analyzed: 7:38

Instrument ID: V-3 Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0	0	0	0	0
	UPPER LIMIT	0	0.5	0	0.5	0	0.5
	LOWER LIMIT	0	-0.5	0	-0.5	0	-0.5
	EPA SAMPLE						
01	lcsf-08/10/05	966541	8.150	737713	13.880	373449	18.410
02	mb-08/10/05	974426	8.150	747410	13.880	341089	18.410
03	MW-5C	944825	8.150	721388	13.890	334415	18.400
04	MW-7B	915186	8.150	682868	13.890	319664	18.400
05	MW-7C	888850	8.150	675801	13.880	312705	18.410
06	MW-5B	878778	8.150	683182	13.880	328827	18.410
07	MW-5C	930462	8.150	709299	13.880	365071	18.410
08	MW-5C	989639	8.150	760400	13.880	384970	18.410
09	MW-9B	917385	8.150	687074	13.880	322328	18.400
10	MW-9C	885793	8.150	683573	13.880	312396	18.410
11	MW-2B	858303	8.150	666808	13.880	300620	18.410
12	MW-1	892038	8.150	697681	13.880	317688	18.400
13	MW-11C	882942	8.150	672589	13.880	318549	18.410
14	MW-6A	854783	8.150	671101	13.880	307766	18.400
15	MW-6B	860434	8.150	687350	13.880	316446	18.410
16	ZZZZZ						
17	ZZZZZ						
18	ZZZZZ						
19	ZZZZZ						

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: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID (Standard): C:\HPCHEM\1\DATA\08110 Date Analyzed: 08/11/05

EPA Sample No.(VSTD050##) 8260 ccv 25ppb Time Analyzed: 7:13

Instrument ID: V-3 Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0	0	0	0	0
	UPPER LIMIT	0	0.5	0	0.5	0	0.5
	LOWER LIMIT	0	-0.5	0	-0.5	0	-0.5
	EPA SAMPLE						#
01	lcsf-08/11/05	891748	8.160	667813	13.890	341275	18.420
02	lcsf-08/11/05			667813	13.890	341275	18.420
03	mb-08/11/05	918137	8.170	682975	13.900	314486	18.410
04	mb-08/11/05	918137	8.170	682975	13.900	314486	18.410
05	MW-2A	856019	8.150	635485	13.900	294722	18.410
06	MW-6C	838628	8.150	631989	13.900	284849	18.410
07	MW-11D	827716	8.150	611974	13.890	283940	18.410
08	MW-3	857241	8.150	643547	13.880	299356	18.410
09	MW-12C	839588	8.150	662701	13.890	295132	18.410
10	MW-7A	803551	8.150	622440	13.880	280918	18.410
11	MW-2A	934950	8.150	730293	13.880	366576	18.410
12	MW-2A	992045	8.150	753100	13.880	386962	18.410
13	MW-4	856497	8.150	642484	13.880	290636	18.410
14	ZZZZZ	820241	8.150	609269	13.890	273252	18.410
15	ZZZZZ	794612	8.150	597872	13.890	268712	18.410
16	ZZZZZ	812784	8.150	607756	13.880	272620	18.410
17	ZZZZZ	840851	8.150	616308	13.880	273124	18.410

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: AMRO Environmental Laboratories Contract: _____

Lab Code: AMRO Case No.: LBG NY SAS No.: _____ SDG No.: 0508039

Lab File ID (Standard): C:\HPCHEM\1\DATA\08120 Date Analyzed: 08/12/05

EPA Sample No.(VSTD050##) 8260 ccv 25ppb Time Analyzed: 7:12

Instrument ID: V-3 Heated Purge: (Y/N) N

GC Column: HP-624 ID: 0.20 (mm)

		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	0	0	0	0	0	0
	UPPER LIMIT	0	0.5	0	0.5	0	0.5
	LOWER LIMIT	0	-0.5	0	-0.5	0	-0.5
	EPA SAMPLE						
01	lcsf-08/12/05	871502	8.150	662778	13.880	339181	18.400
02	lcsf-08/12/05			662778	13.880	339181	18.400
03	mb-08/12/05	956667	8.140	708416	13.890	311437	18.400
04	mb-08/12/05	956667	8.140	708416	13.890	311437	18.400
05	MW-6D	810067	8.150	622658	13.890	285027	18.400
06	MW-12D	870972	8.140	648583	13.880	288722	18.410
07	ZZZZZ	821655	8.150	617201	13.880	291244	18.410
08	MW-2B	797702	8.150	598956	13.890	261344	18.410
09	MW-12C	920124	8.150	714772	13.890	363964	18.410
10	MW-6B	858356	8.150	653581	13.880	326278	18.410
11	MW-7A	637017	8.140	471086	13.880	207127	18.400
12	ZZZZZ	566941	8.150	432096	13.880	191984	18.400
13	MW-6D	866088	8.130	655703	13.880	323818	18.390
14	MW-6D	832190	8.150	634851	13.880	323753	18.410
15	ZZZZZ	803536	8.160	599091	13.890	282937	18.420
16	ZZZZZ	752584	8.160	556669	13.890	254119	18.420

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

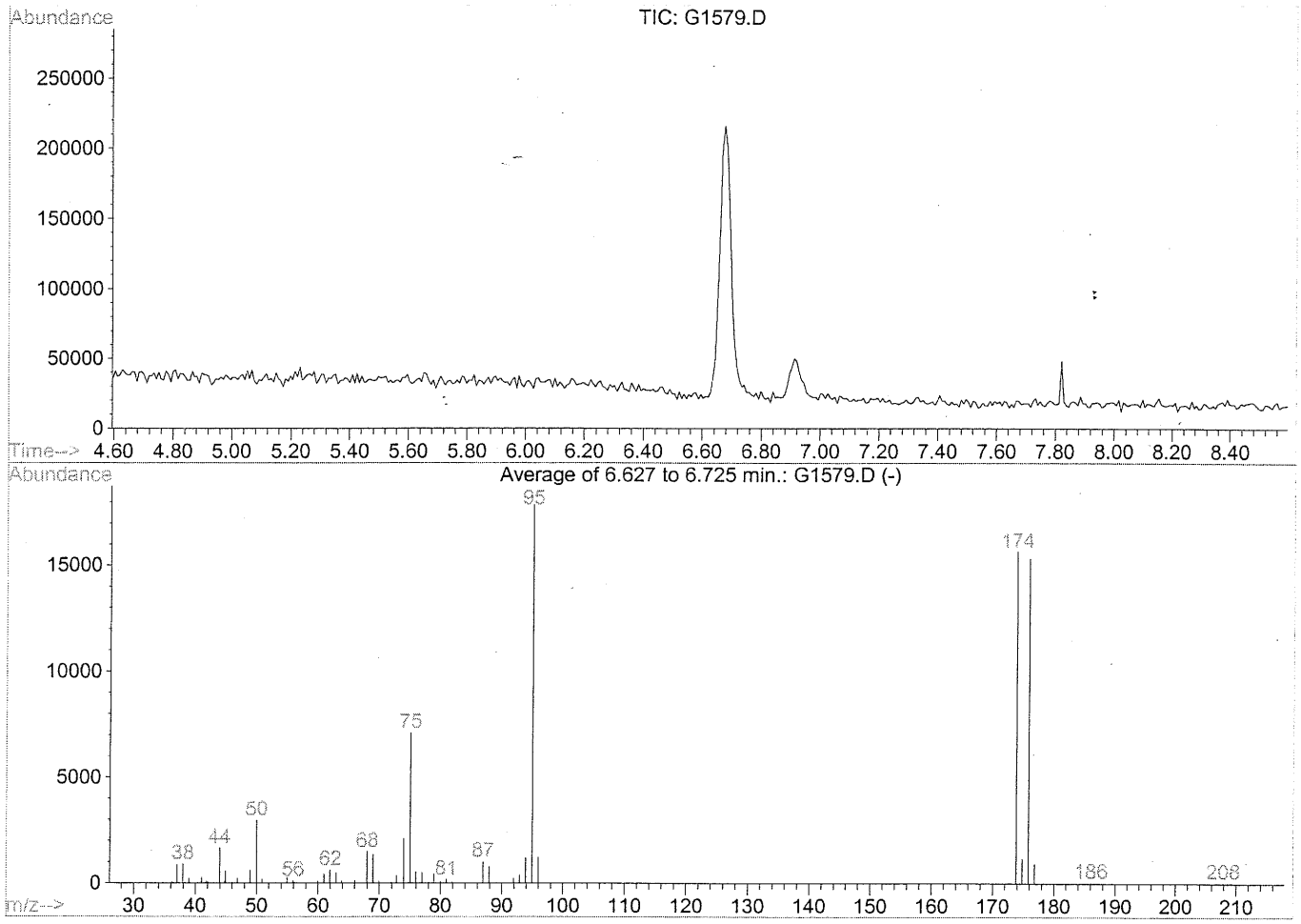
Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS TUNE RESULTS

BFB

Data File : C:\HPCHEM\1\DATA\072605\G1579.D
Acq On : 26 Jul 05 11:51 am
Sample : [bfb tune 50 ng]
Misc :
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_05_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3

Vial: 100
Operator: kty
Inst : voa 3
Multiplr: 1.00000



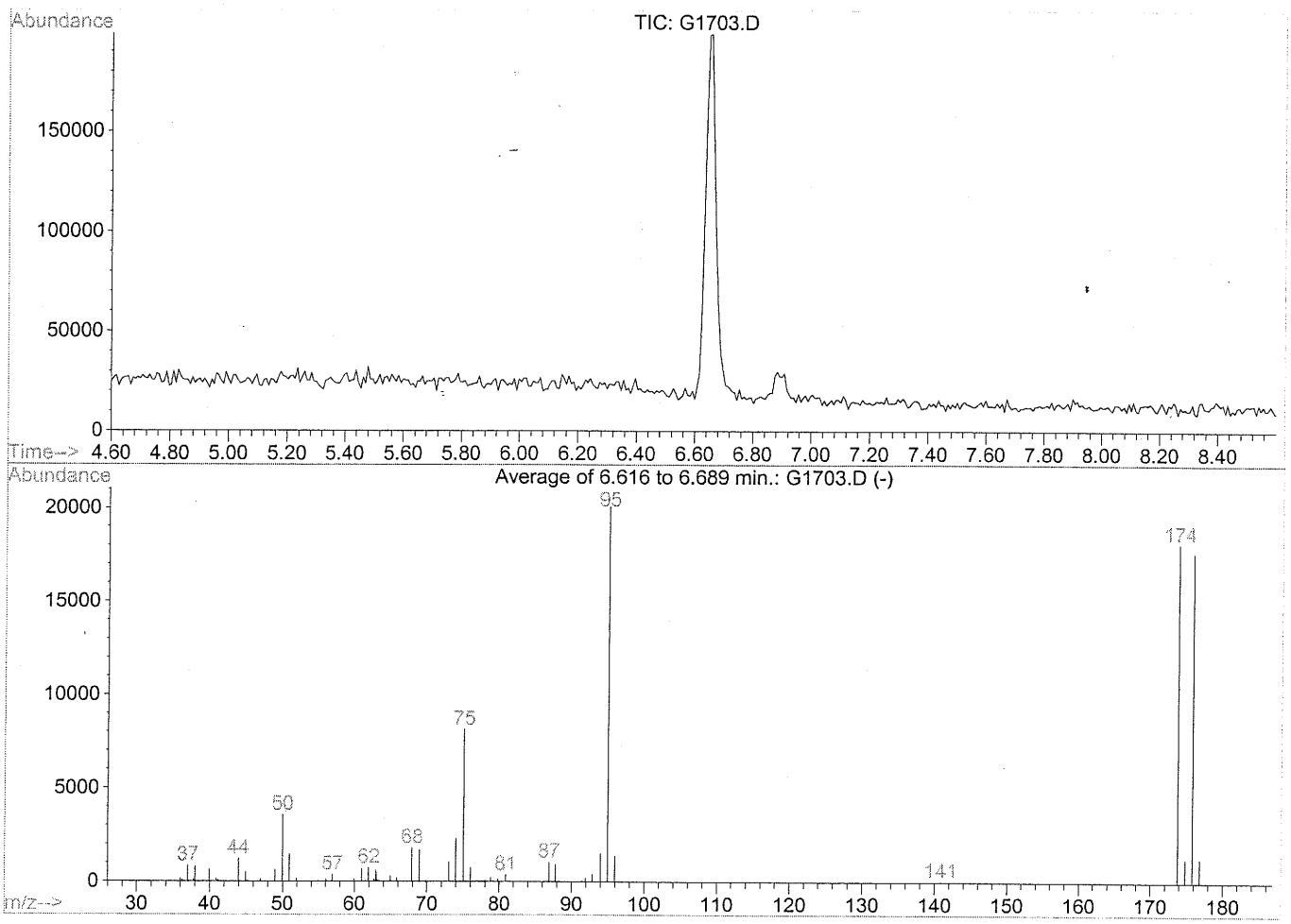
Spectrum Information: Average of 6.627 to 6.725 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	2964	PASS
75	95	30	60	39.7	7096	PASS
95	95	100	100	100.0	17852	PASS
96	95	5	9	6.8	1213	PASS
173	174	0.00	2	0.3	40	PASS
174	95	50	120	87.6	15647	PASS
175	174	5	9	7.5	1166	PASS
176	174	95	101	97.9	15319	PASS
177	176	5	9	5.9	911	PASS

BFB

Data File : C:\HPCHEM\1\DATA\080605\G1703.D
Acq On : 6 Aug 05 5:51 am
Sample : [bfb tune 50 ng]
Misc :
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3

Vial: 100
Operator: kty
Inst : voa 3
Multiplr: 1.00000



Spectrum Information: Average of 6.616 to 6.689 min.

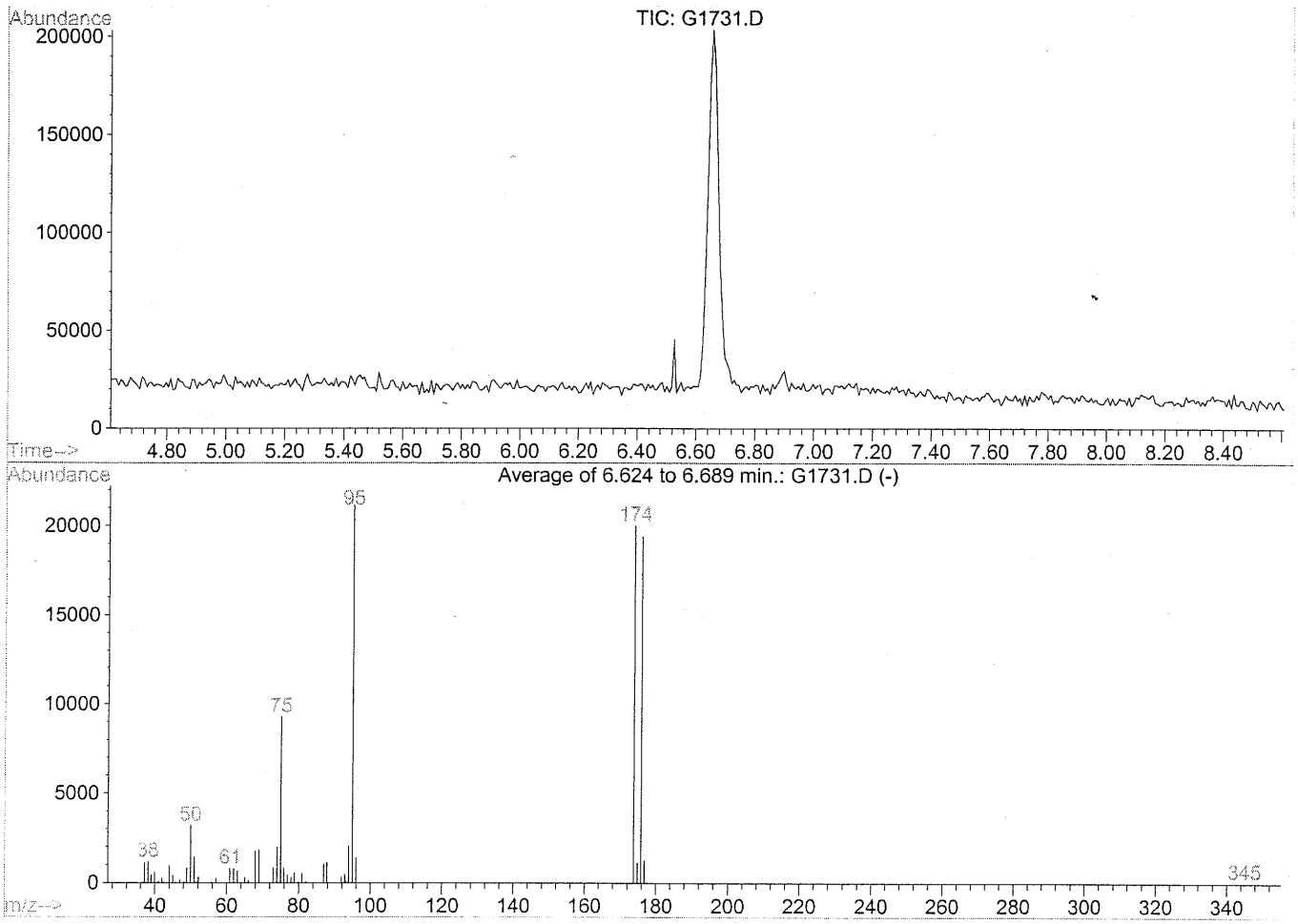
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	3560	PASS
75	95	30	60	40.4	8120	PASS
95	95	100	100	100.0	20080	PASS
96	95	5	9	6.9	1378	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.1	18102	PASS
175	174	5	9	7.0	1261	PASS
176	174	95	101	97.4	17628	PASS
177	176	5	9	7.2	1278	PASS

08/06/05

BFB

Data File : C:\HPCHEM\1\DATA\080905\G1731.D
Acq On : 9 Aug 05 8:38 am
Sample : [bfb tune 50 ng]
Misc :
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3

Vial: 100
Operator: kty
Inst : voa 3
Multiplr: 1.00000



Spectrum Information: Average of 6.624 to 6.689 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	3205	PASS
75	95	30	60	44.0	9286	PASS
95	95	100	100	100.0	21128	PASS
96	95	5	9	6.6	1385	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	94.7	20004	PASS
175	174	5	9	5.6	1123	PASS
176	174	95	101	96.9	19388	PASS
177	176	5	9	6.5	1254	PASS

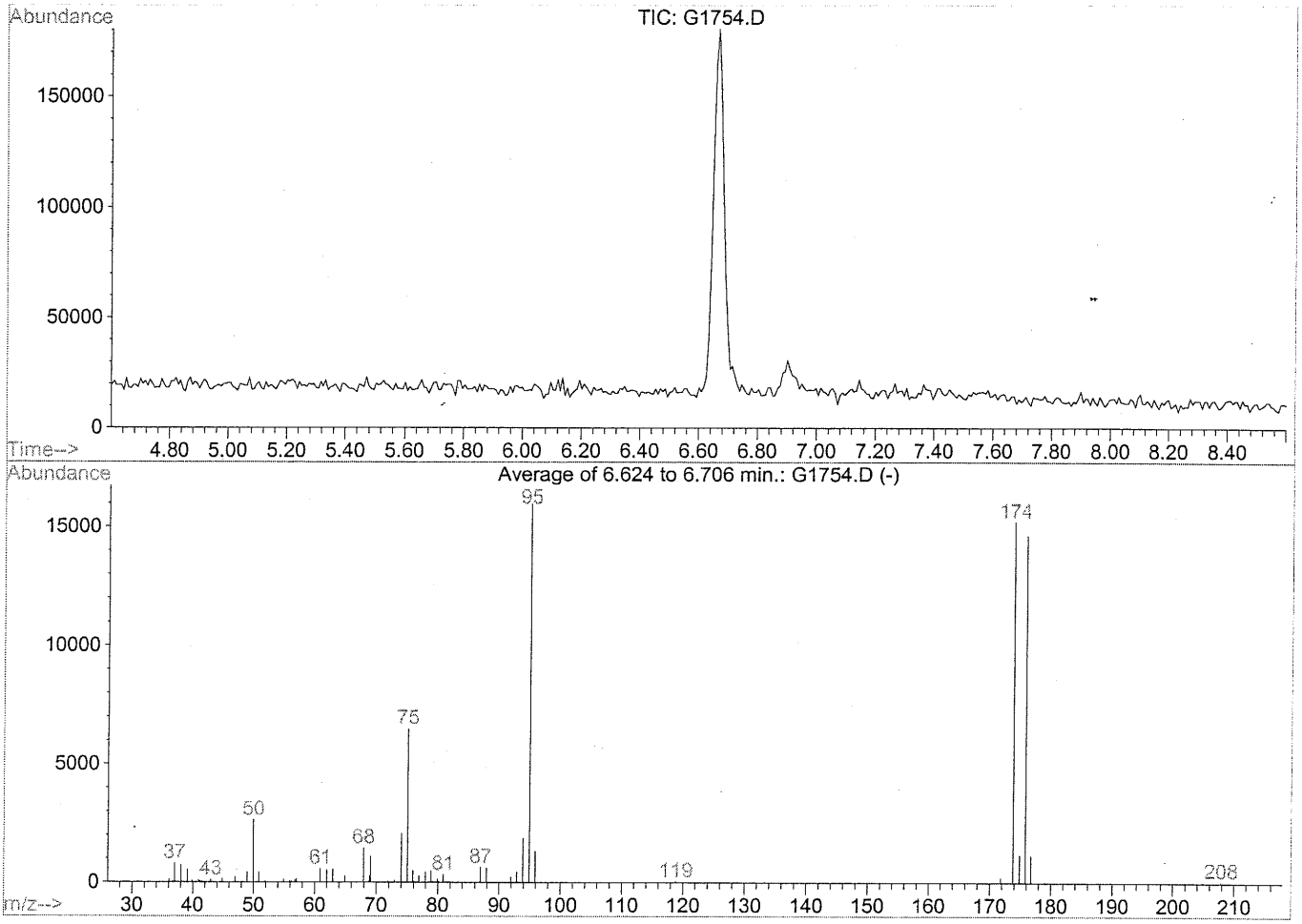
G1731.D 8A_07_26.M Tue Aug 09 08:48:26 2005 VOA3

08/10/05

BFB

Data File : C:\HPCHEM\1\DATA\081005\G1754.D
Acq On : 10 Aug 05 6:46 am
Sample : [bfb tune 50 ng]
Misc :
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3

Vial: 100
Operator: kty
Inst : voa 3
Multiplr: 1.00000



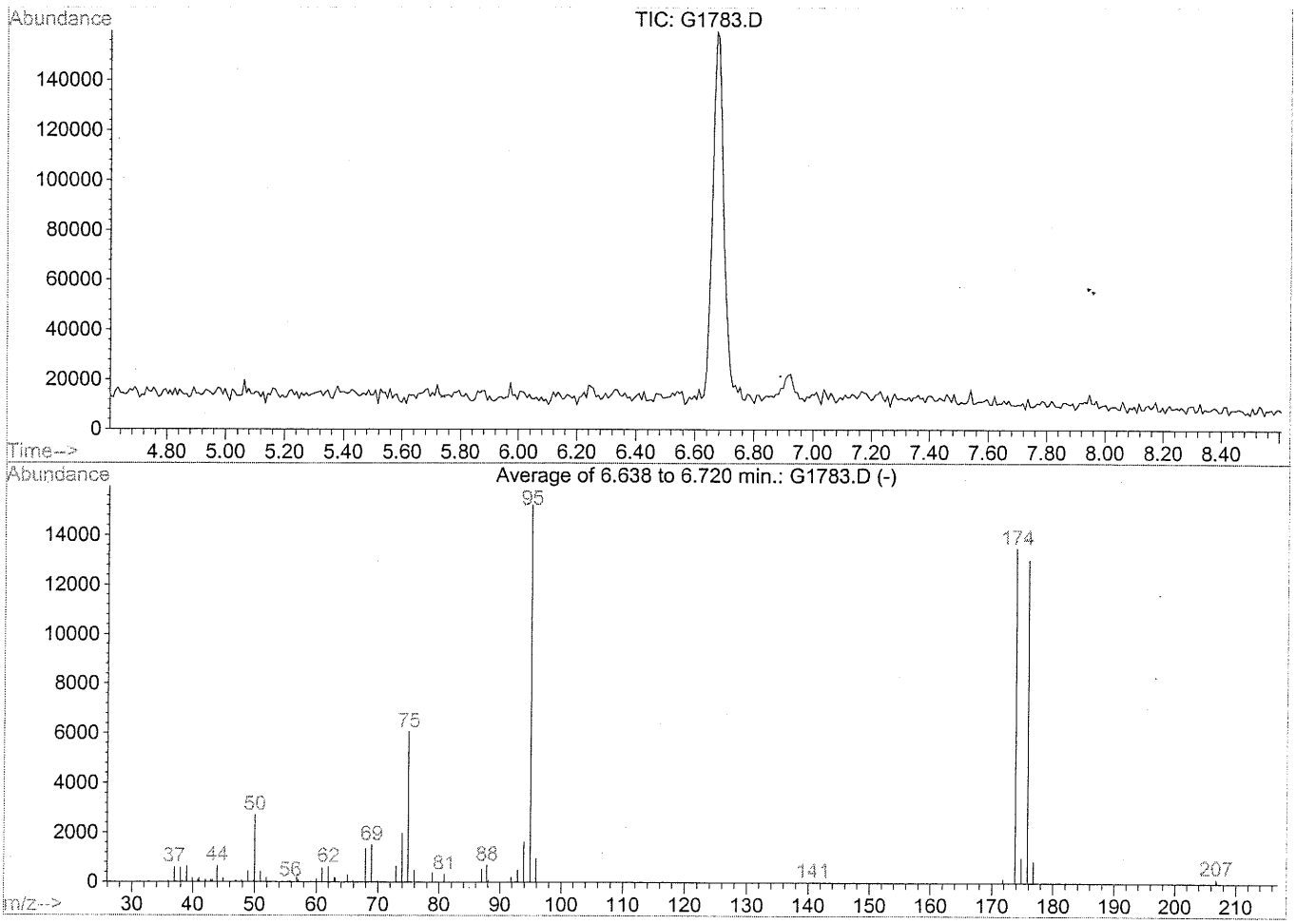
Spectrum Information: Average of 6.624 to 6.706 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	2634	PASS
75	95	30	60	40.6	6478	PASS
95	95	100	100	100.0	15945	PASS
96	95	5	9	8.2	1310	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.4	15204	PASS
175	174	5	9	7.7	1165	PASS
176	174	95	101	96.1	14612	PASS
177	176	5	9	7.7	1131	PASS

08/10/05

BFB

Data File : C:\HPCHEM\1\DATA\081105\G1783.D Vial: 100
Acq On : 11 Aug 05 6:00 am Operator: kty
Sample : [bfb tune 50 ng] Inst : voa 3
Misc : Multiplr: 1.00000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3



Spectrum Information: Average of 6.638 to 6.720 min.

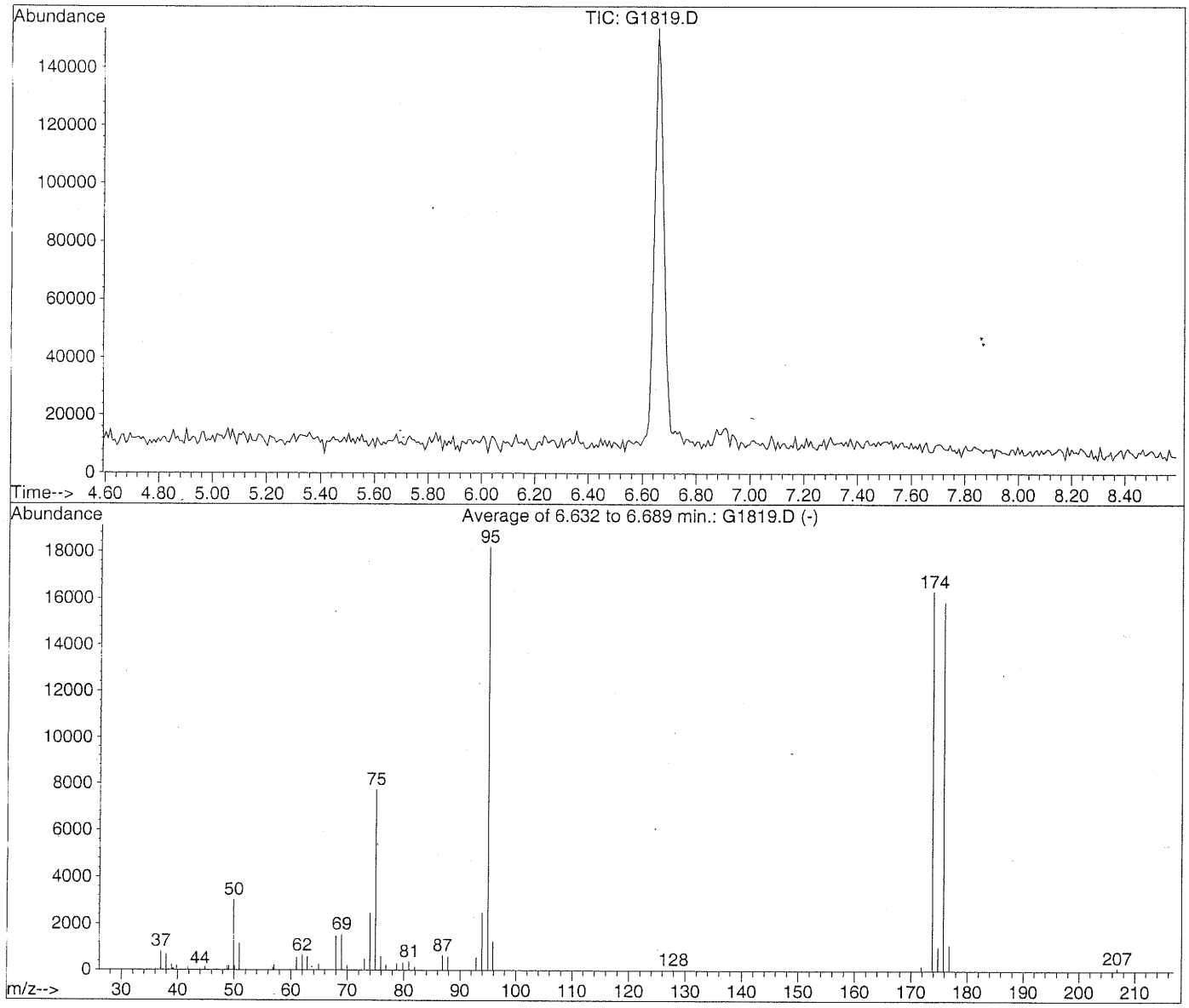
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	2719	PASS
75	95	30	60	39.9	6060	PASS
95	95	100	100	100.0	15202	PASS
96	95	5	9	6.4	970	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.7	13487	PASS
175	174	5	9	7.5	1008	PASS
176	174	95	101	96.6	13023	PASS
177	176	5	9	6.8	884	PASS

08/11/05

BFB

Data File : C:\HPCHEM\1\DATA\081205\G1819.D
Acq On : 12 Aug 05 6:08 am
Sample : [bfb tune 50 ng]
Misc :
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3

Vial: 100
Operator: kty
Inst : voa 3
Multiplr: 1.00000



Spectrum Information: Average of 6.632 to 6.689 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	3037	PASS
75	95	30	60	42.7	7761	PASS
95	95	100	100	100.0	18196	PASS
96	95	5	9	7.0	1276	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.6	16309	PASS
175	174	5	9	6.4	1043	PASS
176	174	95	101	97.1	15836	PASS
177	176	5	9	7.1	1129	PASS

08/12/05

METHOD BLANK

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\080605\G1707.D Vial: 100
Acq On : 6 Aug 05 8:21 am Operator: kty
Sample : [mb-08/06/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/06/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 6 12:58 2005 Quant Results File: 8A_07_26.RES

Quant Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration
DataAcq Meth : 8A_07_26

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	8.12	96	1043290	25.00	ug/l	-0.03
58) Chlorobenzene-d5	13.87	117	795080	25.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	18.38	152	382598	25.00	ug/l	-0.05
System Monitoring Compounds						
32) Dibromofluoromethane	6.85	113	289699	25.18	ug/l	-0.03
Spiked Amount 25.000	Range 85 - 116		Recovery = 100.72%			
35) 1,2-Dichloroethane-d4	7.47	65	285071	26.93	ug/l	-0.03
Spiked Amount 25.000	Range 77 - 127		Recovery = 107.72%			
52) Toluene-d8	11.15	98	933796	25.11	ug/l	-0.03
Spiked Amount 25.000	Range 86 - 114		Recovery = 100.44%			
59) 4-Bromofluorobenzene	16.16	174	314701	24.23	ug/l	-0.03
Spiked Amount 25.000	Range 79 - 117		Recovery = 96.92%			
94) 2,5-Dibromotoluene	0.00	250	0	0.00	ug/l	
Spiked Amount 25.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
92) Naphthalene	22.78	128	24124	0.53	ug/l	97

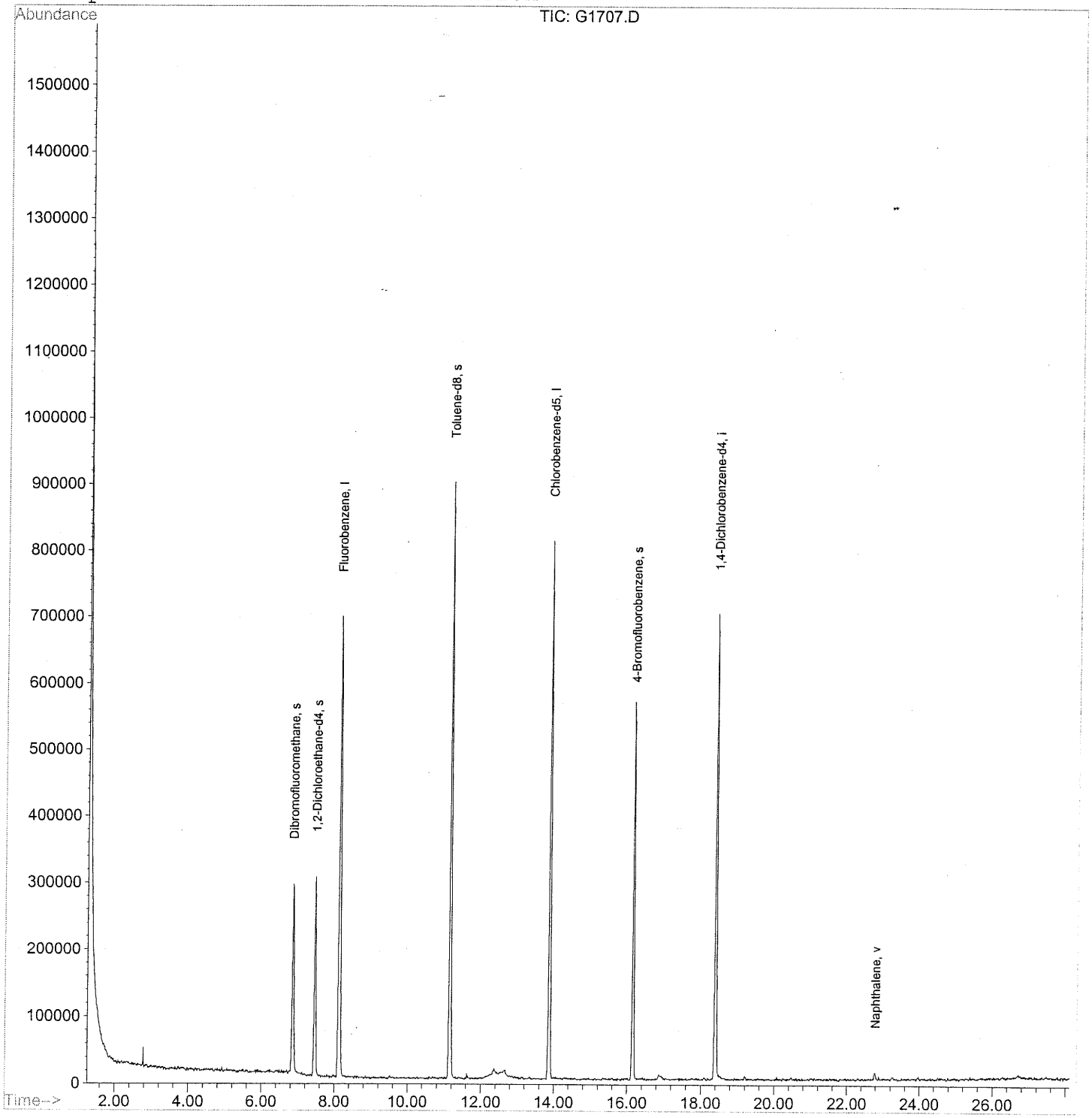
08/06/05

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\080605\G1707.D Vial: 100
Acq On : 6 Aug 05 8:21 am Operator: kty
Sample : [mb-08/06/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/06/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 6 12:58 2005 Quant Results File: 8A_07_26.RES

Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\080605\G1707.D Vial: 100
Acq On : 6 Aug 05 8:21 am Operator: kty
Sample : [mb-08/06/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/06/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 6 8:50 2005 Quant Results File: 8A_07_26.RES

Quant Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration
DataAcq Meth : 8A_07_26

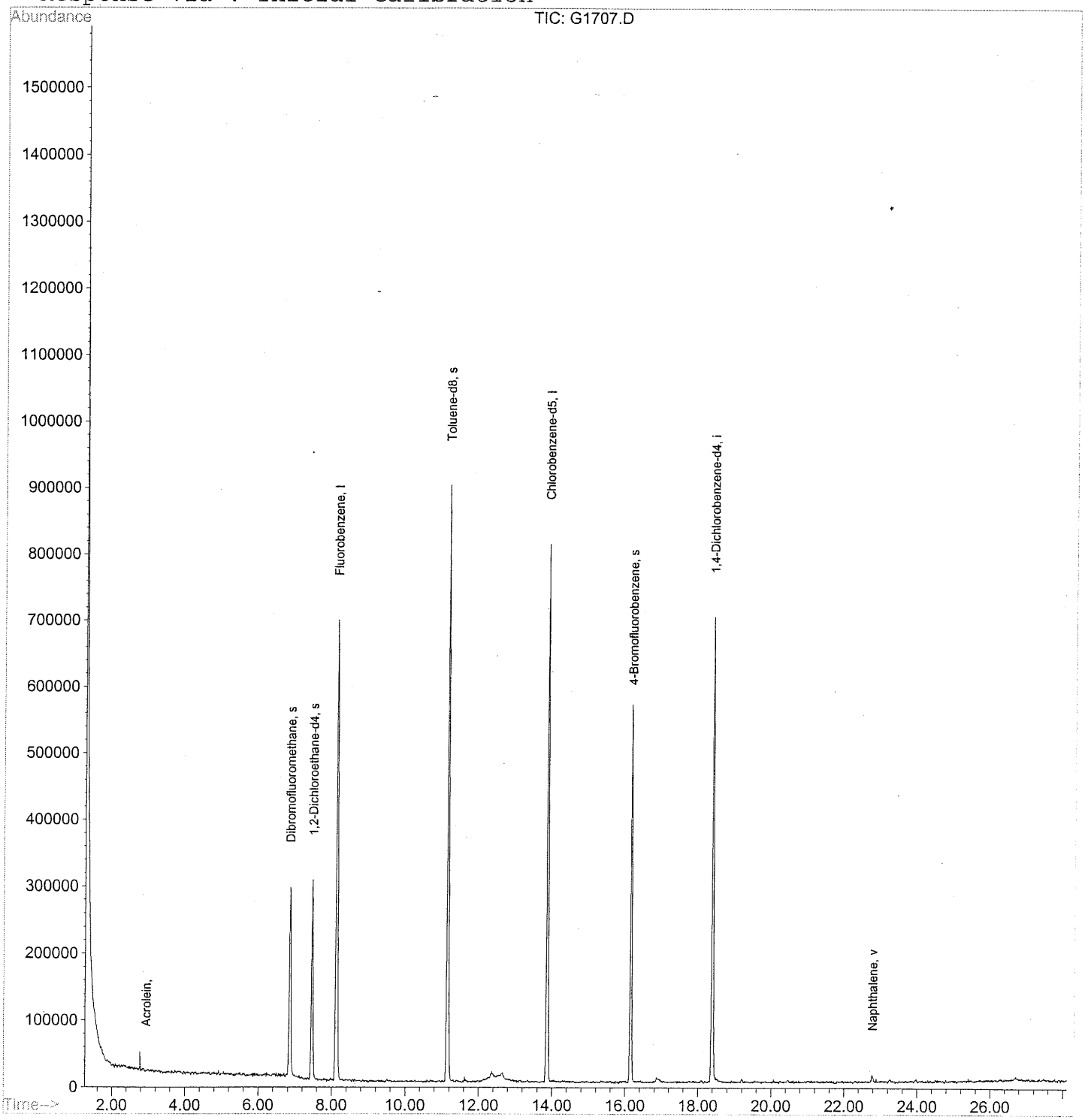
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	8.12	96	1043290	25.00	ug/l	-0.03
58) Chlorobenzene-d5	13.87	117	795080	25.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	18.38	152	382598	25.00	ug/l	-0.05
System Monitoring Compounds						
32) Dibromofluoromethane	6.85	113	289699	25.18	ug/l	-0.03
Spiked Amount 25.000	Range 85 - 116		Recovery = 100.72%			
35) 1,2-Dichloroethane-d4	7.47	65	285071	26.93	ug/l	-0.03
Spiked Amount 25.000	Range 77 - 127		Recovery = 107.72%			
52) Toluene-d8	11.15	98	933796	25.11	ug/l	-0.03
Spiked Amount 25.000	Range 86 - 114		Recovery = 100.44%			
59) 4-Bromofluorobenzene	16.16	174	314701	24.23	ug/l	-0.03
Spiked Amount 25.000	Range 79 - 117		Recovery = 96.92%			
94) 2,5-Dibromotoluene	0.00	250	0	0.00	ug/l	
Spiked Amount 25.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
6) Bromomethane	1.94	94	1694	-5.21	ug/l #	11
17) Acrolein	2.94	56	517	30.29	ug/l #	69
27) 2,2-Dichloropropane	5.93	77	1646	-1.59	ug/l #	45
30) Tetrahydrofuran	6.52	42	411	-1.38	ug/l #	37
92) Naphthalene	22.78	128	24124	0.53	ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\080605\G1707.D Vial: 100
Acq On : 6 Aug 05 8:21 am Operator: kty
Sample : [mb-08/06/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/06/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 6 8:50 2005 Quant Results File: 8A_07_26.RES

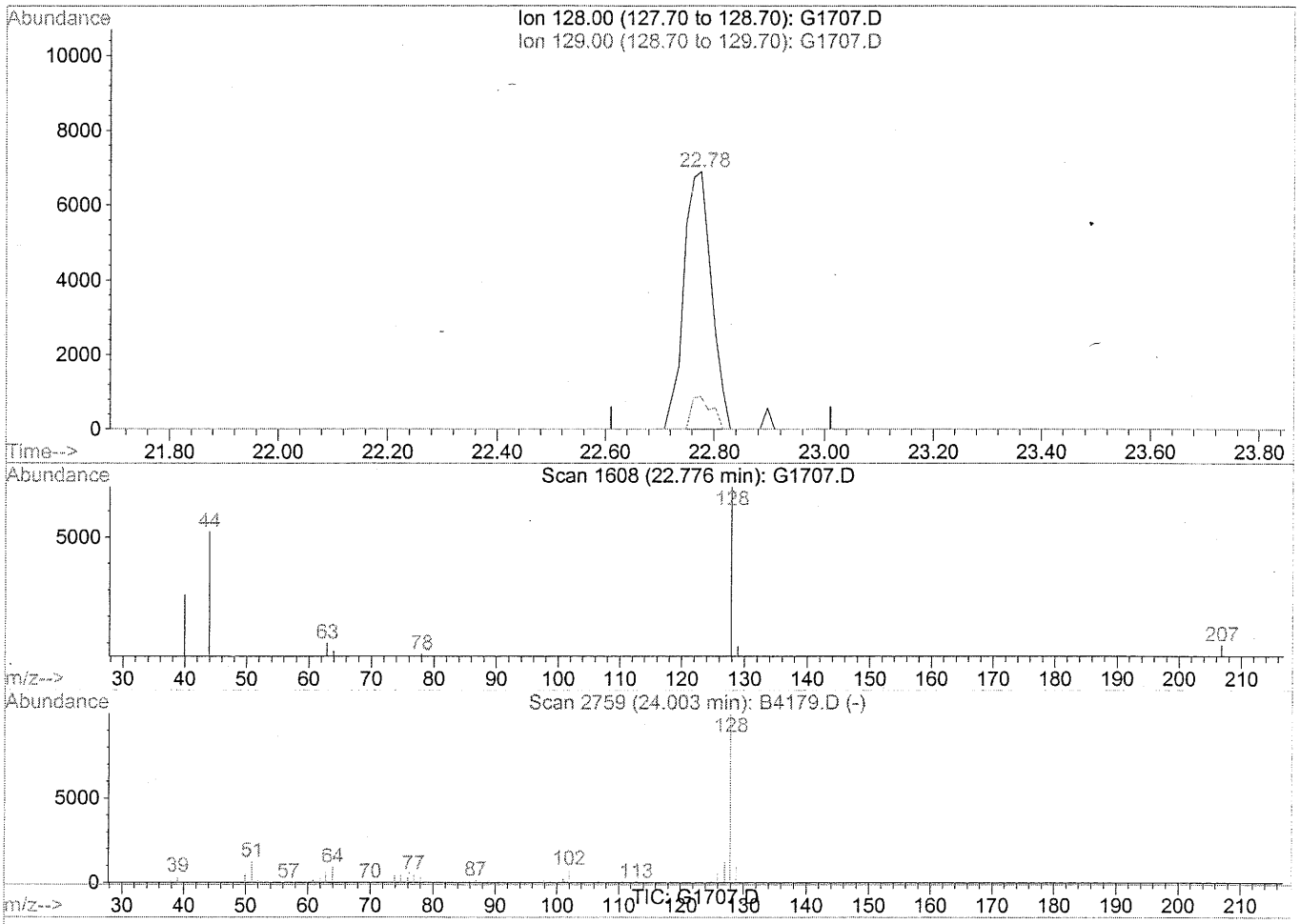
Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\080605\G1707.D Vial: 100
Acq On : 6 Aug 05 8:21 am Operator: kty
Sample : [mb-08/06/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/06/05 samp=5ml fv=5ml Multiplr: 1.00000
Quant Time: Aug 6 12:58 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Multiple Level Calibration



(92) Naphthalene (v)

22.78min 0.53ug/l

response 24124

Ion	Exp%	Act%
128.00	100	100
129.00	10.70	9.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\080905\G1737.D Vial: 100
Acq On : 9 Aug 05 12:32 pm Operator: kty
Sample : [mb-08/09/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/09/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 10 9:23 2005 Quant Results File: 8A_07_26.RES

Quant Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration
DataAcq Meth : 8A_07_26

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	8.14	96	1050111	25.00	ug/l	-0.02
58) Chlorobenzene-d5	13.88	117	795984	25.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	18.40	152	371590	25.00	ug/l	-0.03
System Monitoring Compounds						
32) Dibromofluoromethane	6.87	113	311255	26.88	ug/l	-0.02
Spiked Amount 25.000	Range 85 - 116		Recovery = 107.52%			
35) 1,2-Dichloroethane-d4	7.48	65	272736	25.60	ug/l	-0.02
Spiked Amount 25.000	Range 77 - 127		Recovery = 102.40%			
52) Toluene-d8	11.16	98	931158	24.88	ug/l	-0.02
Spiked Amount 25.000	Range 86 - 114		Recovery = 99.52%			
59) 4-Bromofluorobenzene	16.16	174	305921	23.52	ug/l	-0.03
Spiked Amount 25.000	Range 79 - 117		Recovery = 94.08%			
94) 2,5-Dibromotoluene	0.00	250	0	0.00	ug/l	
Spiked Amount 25.000	Range 70 - 130		Recovery = 0.00%#			

Target Compounds Qvalue

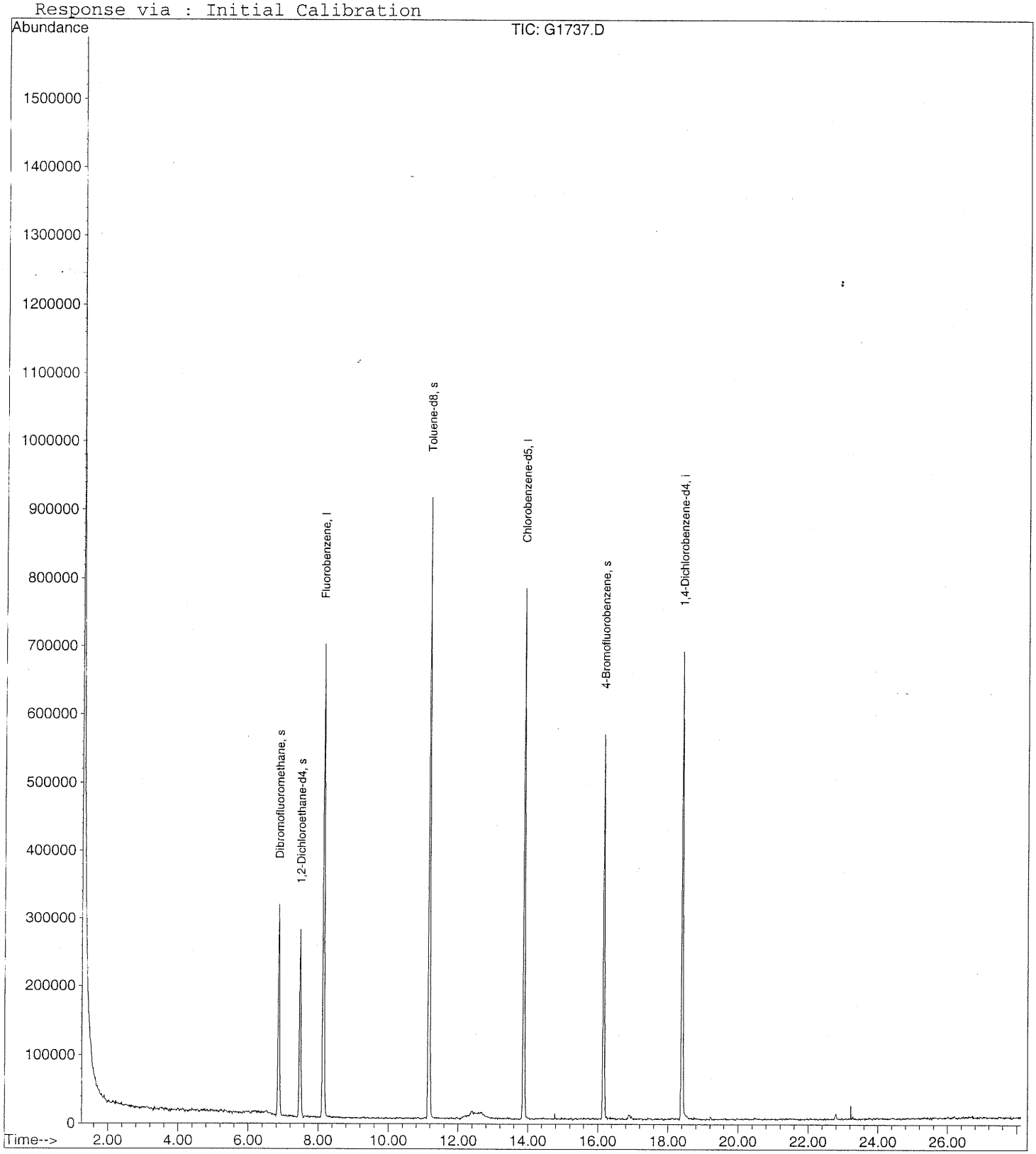
08/10/05

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\080905\G1737.D Vial: 100
Acq On : 9 Aug 05 12:32 pm Operator: kty
Sample : [mb-08/09/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/09/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 10 9:23 2005 Quant Results File: 8A_07_26.RES

Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\080905\G1737.D Vial: 100
Acq On : 9 Aug 05 12:32 pm Operator: kty
Sample : [mb-08/09/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/09/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 9 13:01 2005 Quant Results File: 8A_07_26.RES

Quant Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration
DataAcq Meth : 8A_07_26

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	8.14	96	1050111	25.00	ug/l	-0.02
58) Chlorobenzene-d5	13.88	117	795984	25.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	18.40	152	371590	25.00	ug/l	-0.03
System Monitoring Compounds						
32) Dibromofluoromethane	6.87	113	311255	26.88	ug/l	-0.02
Spiked Amount 25.000	Range 85 - 116		Recovery = 107.52%			
35) 1,2-Dichloroethane-d4	7.48	65	272736	25.60	ug/l	-0.02
Spiked Amount 25.000	Range 77 - 127		Recovery = 102.40%			
52) Toluene-d8	11.16	98	931158	24.88	ug/l	-0.02
Spiked Amount 25.000	Range 86 - 114		Recovery = 99.52%			
59) 4-Bromofluorobenzene	16.16	174	305921	23.52	ug/l	-0.03
Spiked Amount 25.000	Range 79 - 117		Recovery = 94.08%			
94) 2,5-Dibromotoluene	0.00	250	0	0.00	ug/l	
Spiked Amount 25.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
6) Bromomethane	2.03	94	2193	-5.14	ug/l #	11
27) 2,2-Dichloropropane	5.86	77	889	-1.70	ug/l #	45
30) Tetrahydrofuran	6.57	42	494	-1.36	ug/l #	37

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\080905\G1737.D Vial: 100
Acq On : 9 Aug 05 12:32 pm Operator: kty
Sample : [mb-08/09/05]df=1MF=5UG{8260_WX} Inst : voa 3
Misc : xtr08/09/05 samp=5ml fv=5ml Multiplr: 1.00000
MS Integration Params: rteint.p
Quant Time: Aug 9 13:01 2005 Quant Results File: 8A_07_26.RES

Method : C:\HPCHEM\1\METHODS\8A_07_26.M (RTE Integrator)
Title : 8260 DB-624 col 25m x 0.2mm V-3
Last Update : Wed Jul 27 12:23:07 2005
Response via : Initial Calibration