WBE

Princeton Analytical Laboratory
273 Franklin Road
Randolph, NJ 07869
Phone:973 361 4252
Fax: 973 ~~989 5288~~
366-5613

Volatile Organics Data Package

For

ESPL Environmental Consultants Corporation

Client Project #: 26100

Client Site: NA

Client Sample ID: AQ1, AQ2, AQ3, AQ4, AQ-BG, AQ-5

PAL Job #: 60695

PAL Sample #(s): 60695-01, 60695-02, 60695-03, 60695-04, 60695-05, 60695-06

Princeton Analytical Laboratory NY Lab ID No: **11586**

Princeton Analytical Laboratory EPA Lab Code No: **NJ10003**

Jane Dennison, Ph.D., CIH, J.D.
Laboratory Director

Table of Contents

Section I: Chain of Custody

60695

☑001

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-3620
Fax (908) 806-3409
Email princetonlab@blast.net

WBE

Att: Ray Kahn

Request For Canister Analysis

Company Name: ESPL | Address: 106W 32nd Street NY NY 10001
Project #: 26100 | Site:
Sampled By: AH

Due Date
☐ Standard Turn-Around Time
☒ Rush* – Date: 12/15 Time: 11:00A
*Advance Notification Required. See Fee Schedule for Surcharges
24hr Rush

Outgoing (PAL) Canister Seal Intact? ☑ Yes ☐ No
Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)
☐ Library Search ☐ New Jersey DEP Data Package
☒ New York DOH/DEC Data Package

☐ Fax Results To: Fax #: ☐ Phone Results To: Phone #:

Atmospheric Pressure: Temperature:
*Note: Atm Press and Temp required by some state agencies incl. NJDEP.

	Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please Y One Box)	
1	AQ 1	3061	131421 7281496	6L	3:59 12/12/06	1:44 12/13/06	30	6	☐ Soil Gas ☒ Indoor ☐ Land Fill ☐ Ambient	6
2	AQ 2	3003	138210 7301041	6L	4:01 12/12/06	1:43 12/13/06	30	5	☐ Soil Gas ☒ Indoor ☐ Land Fill ☐ Ambient	6
3	AQ 3	2157	138799 7289052	6L	4:07 12/12/06	2:56 12/13/06	30	7	☐ Soil Gas ☒ Indoor ☐ Land Fill ☐ Ambient	6
4	AQ 4	3044	134052 7282379	6L	4:27 12/12/06	1:55 12/13/06	30	5	☐ Soil Gas ☒ Indoor ☐ Land Fill ☐ Ambient	5
5	AQ-BG	3045	143064 7310562	6L	4:32 12/12/06	2:01 12/13/06	30	5	☐ Soil Gas ☐ Indoor ☐ Land Fill ☒ Ambient	4
6	AQ-5	3054		6L	4:35 12/12/06	5:35 12/13/06	30	4	☐ Soil Gas ☐ Indoor ☐ Land Fill ☒ Ambient	4

Chain of Custody	Print	Signature	Date & Time
Relinquished By:			
Received By Lab:			12/14/06 9:00

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. **The client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☒ Above Address ☐ Address Below — PO Number: 26100

Send Invoice To:

60695

PAL USE ONLY

Internal COC	Signature	Time/Date	PAL #
Relinquished By:	A. Hunt	3:10P 12/13/06	Incoming Custody Seals? ☑ Yes ☐ No
Rec. By-GC/MS Lab:			Comments:

Section II: Methodology Review

Methodology Summary for Air Collected from Hazardous Waste Sites Contract

Laboratory:	**Princeton Analytical Lab**	**Project No:**	**26100**
Location:	**NA**	**SDG No:**	**60695**

Name	Required Methodology	Indicate Method
Volatile Organics	USEPA Method TO-15	USEPA Method TO-15

Section III: Case Narrative

WBE

Princeton Analytical Laboratory

273 Franklin Road
Randolph, NJ 07869

Phone: 973-361-4252
FAX: 973-366-5613

Case Narrative

Client: ESPL Environmental Consultants Corporation **PAL Job No.: 60695**
Project#: 26100

1. Sample Receipt: Samples were received in good condition. Documentation was in order.
   Sample were received at PAL by: Jane Dennison

2.

Client ID	Princeton Analytical ID	Receipt Date
AQ1	60695-01	12/14/06
AQ2	60695-02	12/14/06
AQ3	60695-03	12/14/06
AQ4	60695-04	12/14/06
AQ-BG	60695-05	12/14/06
AQ-5	60695-06	12/14/06

3. Sample Preparation: None required.

4. Sample Analysis:
   a. Hold Time: All within recommended hold times.
   b. Instrument Calibration: Meets method criteria.
   c. Dilutions:

   d. Sample Analysis Date
   e. Analysis performed by: J. Schmitt

5. GC Column and ID: RTX-1 SN 558094

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Your samples will be retained at Princeton Analytical Laboratory for a period of two weeks or as per contract.

Jane Dennison, Ph.D., CIH, J.D.
Laboratory Director

Section IV: Method Detection Limit Summary

Method Detection Limit (MDL) Report

Filename	Run #	Date	Time	Filename	Run #	Date	Time
120102	Run 1	12/1/2005	16:52:07	120107	Run 6	12/1/2005	20:30:22
120103	Run 2	12/1/2005	17:36:57	120108	Run 7	12/1/2005	21:16:14
120104	Run 3	12/1/2005	18:19:59				
120105	Run 4	12/1/2005	19:03:25				
120106	Run 5	12/1/2005	19:45:46				

Analyst: Jeff Schmitt

Processing Method:
C:\Xcalibur\methods\TO-15,0.5-40ppb.pmd
Initial Calibration:
C:\Xcalibur\data\2005\Nov05\1123_ICAL.xls

Instrument ID: Finnigan TraceGC Ultra/Trace DSQ Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um

Matrix: Air

Compound Name	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Average Conc	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	RL ppbv	True value/ MDL
Propene	0.876	0.864	0.894	0.816	0.850	0.894	0.903	0.871	0.25	348	0.031	0.096	0.20	2.59
Dichlorodifluoromethane	0.231	0.240	0.243	0.178	0.229	0.236	0.249	0.229	0.25	92	0.023	0.074	0.20	3.39
Chloromethane	0.111	0.099	0.133	0.062	0.129	0.122	0.110	0.109	0.25	44	0.024	0.075	0.20	3.35
Dichlorotetrafluoroethane	0.335	0.282	0.335	0.259	0.312	0.330	0.321	0.311	0.25	124	0.029	0.092	0.20	2.70
Vinyl_chloride	0.306	0.296	0.324	0.299	0.301	0.328	0.326	0.311	0.25	125	0.014	0.044	0.20	5.62
Butadiene,_1,3-	0.321	0.315	0.302	0.320	0.277	0.294	0.304	0.305	0.25	122	0.016	0.049	0.20	5.08
Bromomethane	0.331	0.295	0.334	0.259	0.331	0.337	0.335	0.318	0.25	127	0.030	0.094	0.20	2.67
Chloroethane	0.273	0.271	0.292	0.269	0.250	0.285	0.263	0.272	0.25	109	0.014	0.044	0.20	5.71
Ethanol	0.457	0.496	0.460	0.521	0.525	0.513	0.505	0.497	0.25	199	0.028	0.087	0.20	2.87
Bromoethene	0.190	0.194	0.181	0.197	0.180	0.190	0.178	0.187	0.25	75	0.007	0.023	0.20	10.65
Acetone	4.219	4.136	4.121	4.236	4.226	4.186	4.261	4.198	0.25	1679	0.052	0.165	0.20	1.52
Trichlorofluoromethane	0.297	0.297	0.279	0.299	0.271	0.267	0.262	0.282	0.25	113	0.016	0.049	0.20	5.09
Isopropyl_alcohol	0.371	0.346	0.324	0.340	0.343	0.339	0.378	0.349	0.25	139	0.019	0.060	0.20	4.17
Dichloroethylene,_1,1-	0.301	0.330	0.308	0.322	0.311	0.319	0.322	0.316	0.25	126	0.010	0.031	0.20	8.06
Butyl_Alcohol,_tert	0.258	0.262	0.228	0.273	0.253	0.269	0.276	0.260	0.25	104	0.016	0.051	0.20	4.87
Methylene_chloride	0.588	0.613	0.616	0.634	0.647	0.658	0.657	0.630	0.25	252	0.026	0.081	0.20	3.07
Chloropropene,_3-	0.214	0.240	0.179	0.256	0.178	0.217	0.207	0.213	0.25	85	0.029	0.091	0.20	2.74
Trichloro-1,2,2-trifluoroethane,_1,1,2-	0.279	0.306	0.292	0.299	0.281	0.296	0.290	0.292	0.25	117	0.009	0.030	0.20	8.42
Carbon_disulfide	0.209	0.197	0.171	0.202	0.170	0.177	0.176	0.186	0.25	74	0.016	0.050	0.20	4.97
Dichloroethylene,_trans-1,2-	0.325	0.313	0.319	0.302	0.284	0.345	0.304	0.313	0.25	125	0.019	0.060	0.20	4.13
Dichloroethane,_1,1-	0.282	0.321	0.294	0.318	0.278	0.288	0.286	0.295	0.25	118	0.017	0.054	0.20	4.60
Methyl-t-butyl_ether	0.289	0.325	0.303	0.318	0.300	0.310	0.321	0.310	0.25	124	0.013	0.040	0.20	6.20
Vinyl_acetate	0.661	0.697	0.646	0.692	0.661	0.707	0.710	0.682	0.25	273	0.025	0.080	0.20	3.14
Methyl_ethyl_ketone	0.299	0.343	0.296	0.322	0.301	0.314	0.324	0.314	0.25	126	0.017	0.053	0.20	4.69
Dichloroethylene,_cis-1,2-	0.294	0.324	0.292	0.319	0.286	0.313	0.310	0.305	0.25	122	0.015	0.047	0.20	5.32
Bromochloromethane_(IS)	8610801	7855782	8091037	7628335	7877155	7657513	7679544	7914310			347366.073	4.2 %RSD		
Hexane	0.304	0.330	0.308	0.328	0.300	0.309	0.320	0.314	0.25	126	0.012	0.037	0.20	6.77
Ethyl_acetate	0.236	0.233	0.238	0.274	0.238	0.264	0.261	0.249	0.25	100	0.017	0.053	0.20	4.74
Chloroform	0.284	0.320	0.290	0.300	0.281	0.301	0.293	0.295	0.25	118	0.013	0.041	0.20	6.14
Tetrahydrofuran	0.243	0.275	0.234	0.293	0.241	0.256	0.277	0.260	0.25	104	0.022	0.070	0.20	3.58
Dichloroethane,_1,2-	0.294	0.299	0.272	0.266	0.265	0.285	0.277	0.280	0.25	112	0.013	0.042	0.20	5.97
Trichloroethane,_1,1,1-	0.264	0.279	0.260	0.255	0.249	0.257	0.251	0.259	0.25	104	0.010	0.031	0.20	8.05

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Method Detection Limit (MDL) Report

Filename	Run #	Date	Time	Filename	Run #	Date	Time
120102	Run 1	12/1/2005	16:52:07	120107	Run 6	12/1/2005	20:30:22
120103	Run 2	12/1/2005	17:36:57	120108	Run 7	12/1/2005	21:16:14
120104	Run 3	12/1/2005	18:19:59				
120105	Run 4	12/1/2005	19:03:25				
120106	Run 5	12/1/2005	19:45:46				

Analyst: Jeff Schmitt

Processing Method:
C:\Xcalibur\methods\TO-15,0.5-40ppb.pmd
Initial Calibration:
C:\Xcalibur\data\2005\Nov05\1123_ICAL.xls

Instrument ID: Finnigan TraceGC Ultra/Trace DSQ Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um

Matrix: Air

Compound Name	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Average Conc	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	RL ppbv	True value/ MDL
Benzene	0.254	0.270	0.261	0.257	0.243	0.263	0.260	0.258	0.25	103	0.008	0.026	0.20	9.55
Carbon_tetrachloride	0.063	0.090	0.051	0.089	0.049	0.054	0.048	0.063	0.25	25	0.019	0.058	0.20	4.30
Cyclohexane	2.355	2.390	2.362	2.355	2.383	2.372	2.342	2.366	0.25	946	0.017	0.053	0.20	4.69
Difluorobenzene,_1,4-_(IS)	42423446	40334568	40734505	40722963	40117980	39460608	39381639	40453673			1024182.615	4.3 %RSD		
Dichloropropane,_1,2-	0.263	0.270	0.273	0.266	0.258	0.286	0.264	0.269	0.25	107	0.009	0.029	0.20	8.70
Bromodichloromethane	0.229	0.242	0.203	0.224	0.202	0.215	0.203	0.217	0.25	87	0.015	0.048	0.20	5.20
Dioxane,_1,4-	0.138	0.140	0.115	0.141	0.133	0.170	0.155	0.142	0.25	57	0.017	0.054	0.20	4.60
Trichloroethylene	0.258	0.260	0.246	0.252	0.253	0.250	0.255	0.253	0.25	101	0.005	0.014	0.20	17.29
Trimethylpentane,_2,2,4-	0.191	0.192	0.187	0.184	0.185	0.193	0.188	0.189	0.25	75	0.004	0.011	0.20	22.53
Heptane	0.296	0.310	0.296	0.287	0.285	0.302	0.295	0.296	0.25	118	0.008	0.027	0.20	9.39
Dichloropropene,_cis-1,3-	0.222	0.243	0.191	0.209	0.199	0.192	0.202	0.208	0.25	83	0.019	0.058	0.20	4.27
Methyl_isobutyl_ketone	0.243	0.259	0.232	0.249	0.231	0.247	0.252	0.245	0.25	98	0.010	0.032	0.20	7.70
Dichloropropene,_trans-1,3-	0.213	0.216	0.163	0.208	0.173	0.191	0.183	0.193	0.25	77	0.020	0.064	0.20	3.90
Trichloroethane,_1,1,2-	0.225	0.240	0.225	0.224	0.229	0.237	0.231	0.230	0.25	92	0.006	0.019	0.20	12.83
Toluene	0.234	0.231	0.225	0.231	0.224	0.230	0.229	0.229	0.25	92	0.003	0.011	0.20	23.15
Methyl_butyl_ketone	0.136	0.146	0.120	0.141	0.169	0.161	0.166	0.149	0.25	59	0.018	0.056	0.20	4.46
Dibromochloromethane	0.186	0.188	0.165	0.176	0.168	0.163	0.164	0.173	0.25	69	0.011	0.033	0.20	7.47
Dibromoethane,_1,2-	0.205	0.211	0.190	0.203	0.207	0.199	0.197	0.202	0.25	81	0.007	0.022	0.20	11.40
Tetrachloroethylene	0.231	0.244	0.231	0.234	0.234	0.239	0.225	0.234	0.25	94	0.006	0.019	0.20	12.99
Chlorobenzene,_d-5__(IS)	31828486	30936909	30573504	30796121	29984990	29603061	29837011	30508583			770024.918	3.8 %RSD		
Chlorobenzene	0.239	0.240	0.238	0.236	0.227	0.235	0.236	0.236	0.25	94	0.004	0.013	0.20	19.11
Ethylbenzene	0.220	0.222	0.216	0.216	0.218	0.213	0.214	0.217	0.25	87	0.003	0.010	0.20	24.19
Xylene,_m_&_p-	0.229	0.209	0.230	0.208	0.228	0.231	0.224	0.223	0.25	89	0.010	0.031	0.20	8.10
Bromoform	0.152	0.169	0.132	0.150	0.142	0.144	0.137	0.147	0.25	59	0.012	0.038	0.20	6.64
Styrene	0.198	0.175	0.191	0.173	0.189	0.191	0.184	0.186	0.25	74	0.009	0.029	0.20	8.56
Tetrachloroethane,_1,1,2,2-	0.192	0.200	0.190	0.190	0.194	0.199	0.192	0.194	0.25	78	0.004	0.012	0.20	20.15
Xylene,_o-	0.231	0.214	0.234	0.211	0.227	0.240	0.228	0.226	0.25	91	0.011	0.033	0.20	7.49
Bromofluorobenzene_(tune_std)	16430015	15287055	15413528	14960328	15369762	15090774	15028462	15368561			499138.885	3.3 %RSD		
Cumene	0.133	0.124	0.125	0.120	0.128	0.137	0.131	0.128	0.25	51	0.006	0.018	0.20	14.04
Chlorotoluene,_2-	0.129	0.114	0.122	0.114	0.131	0.126	0.131	0.124	0.25	50	0.008	0.024	0.20	10.46
Ethyltoluene,_4-	0.216	0.182	0.205	0.183	0.249	0.238	0.249	0.218	0.25	87	0.029	0.091	0.20	2.75
Trimethylbenzene,_1,3,5-	0.299	0.246	0.311	0.256	0.313	0.321	0.319	0.295	0.25	118	0.031	0.098	0.20	2.56

Method Detection Limit (MDL) Report

Filename	Run #	Date	Time	Filename	Run #	Date	Time
120102	Run 1	12/1/2005	16:52:07	120107	Run 6	12/1/2005	20:30:22
120103	Run 2	12/1/2005	17:36:57	120108	Run 7	12/1/2005	21:16:14
120104	Run 3	12/1/2005	18:19:59				
120105	Run 4	12/1/2005	19:03:25				
120106	Run 5	12/1/2005	19:45:46				

Analyst: Jeff Schmitt

Processing Method:
C:\Xcalibur\methods\TO-15,0.5-40ppb.pmd
Initial Calibration:
C:\Xcalibur\data\2005\Nov05\1123_ICAL.xls

Instrument ID: Finnigan TraceGC Ultra/Trace DSQ Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um

Matrix: Air

Compound Name	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Average Conc	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	RL ppbv	True value/ MDL
Trimethylbenzene,_1,2,4-	0.235	0.173	0.235	0.184	0.238	0.241	0.241	0.221	0.25	88	0.029	0.092	0.20	2.71
Benzyl_chloride	0.172	0.149	0.170	0.152	0.157	0.176	0.177	0.165	0.25	66	0.012	0.038	0.20	6.67
Dichlorobenzene,_1,3-	0.223	0.182	0.216	0.183	0.219	0.219	0.220	0.209	0.25	84	0.018	0.058	0.20	4.33
Dichlorobenzene,_1,4-	0.261	0.207	0.246	0.213	0.252	0.270	0.253	0.243	0.25	97	0.024	0.075	0.20	3.33
Dichlorobenzene,_1,2-	0.233	0.176	0.223	0.186	0.224	0.228	0.214	0.212	0.25	85	0.022	0.069	0.20	3.60
Trichlorobenzene,_1,2,4-	0.288	0.211	0.256	0.198	0.234	0.242	0.262	0.242	0.25	97	0.031	0.096	0.20	2.61
Hexachlorobutadiene	0.237	0.262	0.289	0.262	0.310	0.292	0.314	0.281	0.25	112	0.028	0.088	0.20	2.83

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Section V: Method TO-15 Unit Conversion Table

Project: 26100
Field ID Number: AQ1
Laboratory ID Number: 60695-01

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/15/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**113**	E	268.43		
Benzene	71-43-2	78.11	**0.71**		2.27		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**26**		76.68		
Carbon disulfide	75-15-0	76.14	**1.2**		3.74		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	0.5	U	2.44		
Chloromethane (Methyl chloride)	74-87-3	50.49	0.5	U	1.03		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	0.5	U	2.59		
Cyclohexane	110-82-7	84.16	**1.3**		4.47		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	**0.97**		5.83		
1,3-Dichlorobenzene	541-73-1	147.0	**0.65**		3.91		
1,4-Dichlorobenzene	106-46-7	147.0	**11**		66.13		
Dichlorodifluoromethane	75-71-8	120.9	0.5	U	2.47		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	**2.5**		10.86		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	**1.3**		6.39		
n-Heptane	142-82-5	100.2	**3.9**		15.98		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	**6.1**		21.50		
Methylene chloride	75-09-2	84.94	**22**		76.43		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	**0.51**		2.09		
MTBE (Methyl *tert* -butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	**1.3**		3.94		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	0.5	U	3.39		
Toluene	108-88-3	92.14	**27**		101.75		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	0.5	U	2.73		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	**5.7**		28.02		
1,3,5-Trimethylbenzene	108-67-8	120.2	**1.4**		6.88		
2,2,4-Trimethylpentane	540-84-1	114.2	**0.92**		4.30		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	**3.9**		16.94		
Xylenes (o)	95-47-6	106.2	0.5	U	2.17		

Project: 26100
Field ID Number: AQ2
Laboratory ID Number: 60695-02

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/14/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**271**	D	643.75		
Benzene	71-43-2	78.11	**0.99**		3.16		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**50**	D	147.46		
Carbon disulfide	75-15-0	76.14	**2**		6.23		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	0.5	U	2.44		
Chloromethane (Methyl chloride)	74-87-3	50.49	**0.56**		1.16		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	0.5	U	2.59		
Cyclohexane	110-82-7	84.16	**1.6**		5.51		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	**1.2**		7.21		
1,3-Dichlorobenzene	541-73-1	147.0	**0.78**		4.69		
1,4-Dichlorobenzene	106-46-7	147.0	**24**		144.29		
Dichlorodifluoromethane	75-71-8	120.9	0.5	U	2.47		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	**4.1**		17.81		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	**1.9**		9.34		
n-Heptane	142-82-5	100.2	**7.3**		29.92		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	**9.2**		32.42		
Methylene chloride	75-09-2	84.94	**19**		66.01		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	**1.1**		4.51		
MTBE (Methyl *tert*-butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	**1.8**		5.46		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	0.5	U	3.39		
Toluene	108-88-3	92.14	**48**	E	180.89		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	0.5	U	2.73		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	**6.7**		32.94		
1,3,5-Trimethylbenzene	108-67-8	120.2	**1.7**		8.36		
2,2,4-Trimethylpentane	540-84-1	114.2	**1.5**		7.01		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	**6.2**		26.93		
Xylenes (o)	95-47-6	106.2	**2.8**		12.16		

Project: 26100
Field ID Number: AQ3
Laboratory ID Number: 60695-03

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/14/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**19**		45.13		
Benzene	71-43-2	78.11	**0.9**		2.88		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**4.4**		12.98		
Carbon disulfide	75-15-0	76.14	0.5	U	1.56		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	**0.68**		3.32		
Chloromethane (Methyl chloride)	74-87-3	50.49	0.5	U	1.03		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	0.5	U	2.59		
Cyclohexane	110-82-7	84.16	**0.57**		1.96		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	0.5	U	3.01		
1,3-Dichlorobenzene	541-73-1	147.0	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147.0	0.5	U	3.01		
Dichlorodifluoromethane	75-71-8	120.9	0.5	U	2.47		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	**0.53**		2.30		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	0.5	U	2.46		
n-Heptane	142-82-5	100.2	**0.55**		2.25		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	**3.4**		11.98		
Methylene chloride	75-09-2	84.94	**1.1**		3.82		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	0.5	U	2.05		
MTBE (Methyl *tert*-butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	0.5	U	1.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	0.5	U	3.39		
Toluene	108-88-3	92.14	**3.8**		14.32		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	0.5	U	2.73		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	**0.52**		2.56		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
2,2,4-Trimethylpentane	540-84-1	114.2	**0.57**		2.66		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	**0.79**		3.43		
Xylenes (o)	95-47-6	106.2	0.5	U	2.17		

Project: 26100
Field ID Number: AQ4
Laboratory ID Number: 60695-04

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/14/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**23**		54.64		
Benzene	71-43-2	78.11	**1.3**		4.15		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**5.9**		17.40		
Carbon disulfide	75-15-0	76.14	0.5	U	1.56		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	**0.93**		4.54		
Chloromethane (Methyl chloride)	74-87-3	50.49	0.5	U	1.03		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	0.5	U	2.59		
Cyclohexane	110-82-7	84.16	**2**		6.88		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	0.5	U	3.01		
1,3-Dichlorobenzene	541-73-1	147.0	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147.0	0.5	U	3.01		
Dichlorodifluoromethane	75-71-8	120.9	**0.67**		3.31		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	**0.78**		3.39		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	0.5	U	2.46		
n-Heptane	142-82-5	100.2	**1.7**		6.97		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	**5.3**		18.68		
Methylene chloride	75-09-2	84.94	0.5	U	1.74		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	0.5	U	2.05		
MTBE (Methyl *tert*-butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	0.5	U	1.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	0.5	U	3.39		
Toluene	108-88-3	92.14	**5.2**		19.60		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	**0.58**		3.16		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	**0.83**		4.08		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
2,2,4-Trimethylpentane	540-84-1	114.2	**0.64**		2.99		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	**1.2**		5.21		
Xylenes (o)	95-47-6	106.2	**0.74**		3.21		

Project: 26100
Field ID Number: AQ-BG
Laboratory ID Number: 60695-05

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/14/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**8.2**		19.48		
Benzene	71-43-2	78.11	0.5	U	1.60		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**4.7**		13.86		
Carbon disulfide	75-15-0	76.14	0.5	U	1.56		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	0.5	U	2.44		
Chloromethane (Methyl chloride)	74-87-3	50.49	0.5	U	1.03		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	0.5	U	2.59		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	0.5	U	3.01		
1,3-Dichlorobenzene	541-73-1	147.0	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147.0	**0.54**		3.25		
Dichlorodifluoromethane	75-71-8	120.9	0.5	U	2.47		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	0.5	U	2.17		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	0.5	U	2.46		
n-Heptane	142-82-5	100.2	0.5	U	2.05		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	**2.4**		8.46		
Methylene chloride	75-09-2	84.94	**0.69**		2.40		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	0.5	U	2.05		
MTBE (Methyl *tert*-butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	0.5	U	1.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	**0.54**		3.66		
Toluene	108-88-3	92.14	**3**		11.31		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	0.5	U	2.73		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	**0.56**		2.75		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	**0.74**		3.21		
Xylenes (o)	95-47-6	106.2	0.5	U	2.17		

Project: 26100
Field ID Number: AQ-5
Laboratory ID Number: 60695-06

TARGET ANALYTES - TO-15
AIR RESULTS

Sampling Date: 12/13/06
Analysis Date: 12/15/06

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in µg/m3	QAS Decision	Foot-notes
Acetone (2-propanone)	67-64-1	58.08	**9.9**		23.52		
Benzene	71-43-2	78.11	0.5	U	1.60		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
Bromoform	75-25-2	252.8	0.5	U	5.17		
Bromomethane (Methyl bromide)	74-83-9	94.94	0.5	U	1.94		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
2-Butanone (Methyl ethyl ketone)	78-93-3	72.11	**0.73**		2.15		
Carbon disulfide	75-15-0	76.14	0.5	U	1.56		
Carbon tetrachloride	56-23-5	153.8	0.5	U	3.15		
Chlorobenzene	108-90-7	112.6	0.5	U	2.30		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Chloroform	67-66-3	119.4	0.5	U	2.44		
Chloromethane (Methyl chloride)	74-87-3	50.49	0.5	U	1.03		
3-Chloropropene (allyl chloride)	107-05-1	76.53	0.5	U	1.57		
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	126.6	**0.71**		3.68		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
1,2-Dichlorobenzene	95-50-1	147.0	0.5	U	3.01		
1,3-Dichlorobenzene	541-73-1	147.0	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147.0	0.5	U	3.01		
Dichlorodifluoromethane	75-71-8	120.9	0.5	U	2.47		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
1,2-Dichloroethene (cis)	156-59-2	96.94	0.5	U	1.98		
1,2-Dichloroethene (trans)	156-60-5	96.94	0.5	U	1.98		
1,2-Dichloropropane	78-87-5	113.0	0.5	U	2.31		
cis-1,3-Dichloropropene	10061-01-5	111.0	0.5	U	2.27		
trans-1,3-Dichloropropene	10061-02-6	111.0	0.5	U	2.27		
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	170.9	0.5	U	3.49		
Ethylbenzene	100-41-4	106.2	0.5	U	2.17		
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	120.2	0.5	U	2.46		
n-Heptane	142-82-5	100.2	0.5	U	2.05		
Hexachlorobutadiene	87-68-3	260.8	0.5	U	5.33		
n-Hexane	110-54-3	86.17	0.5	U	1.76		
Methylene chloride	75-09-2	84.94	**1.5**		5.21		
4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	0.5	U	2.05		
MTBE (Methyl *tert*-butyl ether)	1634-04-4	88.15	0.5	U	1.80		
Styrene	100-42-5	104.1	0.5	U	2.13		
Tertiary butyl alcohol (TBA)	75-65-0	74.12	0.5	U	1.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		
Tetrachloroethene (PCE)	127-18-4	165.8	0.5	U	3.39		
Toluene	108-88-3	92.14	**5**		18.84		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
1,1,1-Trichloroethane	71-55-6	133.4	0.5	U	2.73		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	187.4	0.5	U	3.83		
Trichloroethene (TCE)	79-01-6	131.4	0.5	U	2.69		
Trichlorofluoromethane (Freon 11)	75-69-4	137.4	0.5	U	2.81		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Vinyl chloride	75-01-4	62.50	0.5	U	1.28		
Xylenes (m&p)	1330-20-7	106.2	0.5	U	2.17		
Xylenes (o)	95-47-6	106.2	0.5	U	2.17		

Section VI: Quality Control Data Summary

Tune Summary

Method Blank (with Associated Sample Numbers)

Laboratory Control Sample Summary

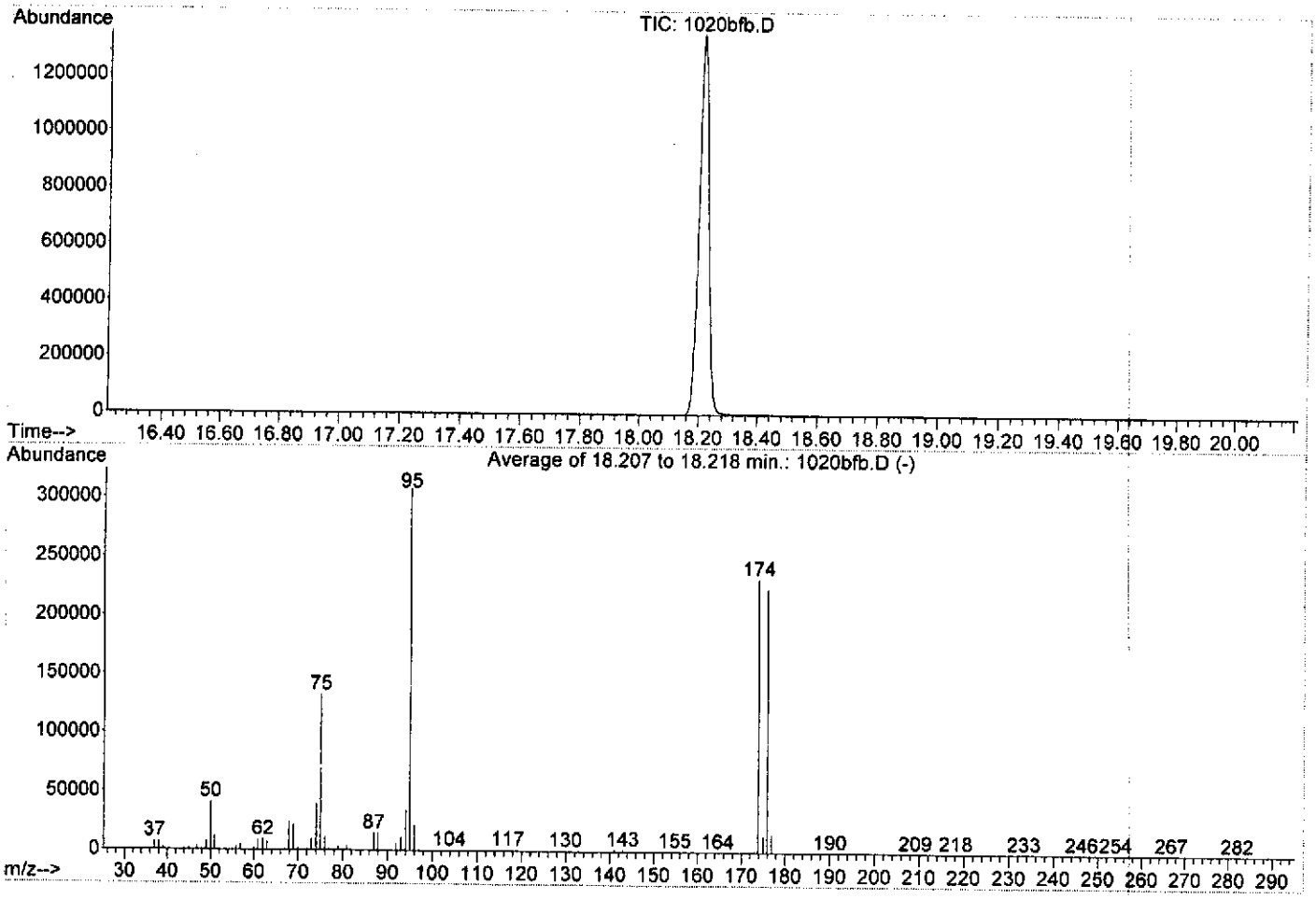
Internal Standard Area Summary

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020bfb.D
Acq On : 20 Oct 2006 08:54
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL0906.M
Title : TO-15
Last Update : Fri Oct 06 10:39:30 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1020std01
30 ppbv TO-15 Standard	1020std02
20 ppbv TO-15 Standard	1020std03
10 ppbv TO-15 Standard	1020std04
0.5 ppbv TO-15 Standard	1020std05



AutoFind: Scans 3279, 3280, 3281; Background Corrected with Scan 3263

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.3	40902	PASS
75	95	30	66	43.1	132690	PASS
95	95	100	100	100.0	307999	PASS
96	95	5	9	7.1	21717	PASS
173	174	0.00	2	0.4	918	PASS
174	95	50	120	75.5	232554	PASS
175	174	4	9	5.9	13776	PASS
176	174	93	101	96.4	224213	PASS
177	176	5	9	6.8	15205	PASS

BFB

Data Path: P:\ChemStation\Data_Oct\

Data File: 1031BFB.D

Acq On: 10/31/2006 8:00:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1020.M

Title: TO-15

Last Update: Mon Oct 23 09:45:27 2006

Runs with this BFB

10 PPBV DCS. [1031DCS]; 10 PPBV LCS [1031LCS01]; 10 PPBV LCS [1031LCS02]; 1070 [103105]; 3003 [103109]; METHOD BLANK [1031BLK]

Spectrum Information: Average of 18.223 to 18.234 min.

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	17.1	34938	PASS
75	95	30	66	45.4	92744	PASS
95	95	100	100	100.0	204222	PASS
96	95	5	9	6.5	13301	PASS
173	174	0.00	2	0.3	391	PASS
174	95	50	120	65.1	132978	PASS
175	174	4	9	4.9	6461	PASS
176	174	93	101	97.5	129709	PASS
177	176	5	9	6.3	8180	PASS

PAL1020.M Wed Nov 08 16:04:37 2006 IAL

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102bfb.D
Acq On : 02 Nov 2006 08:00
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

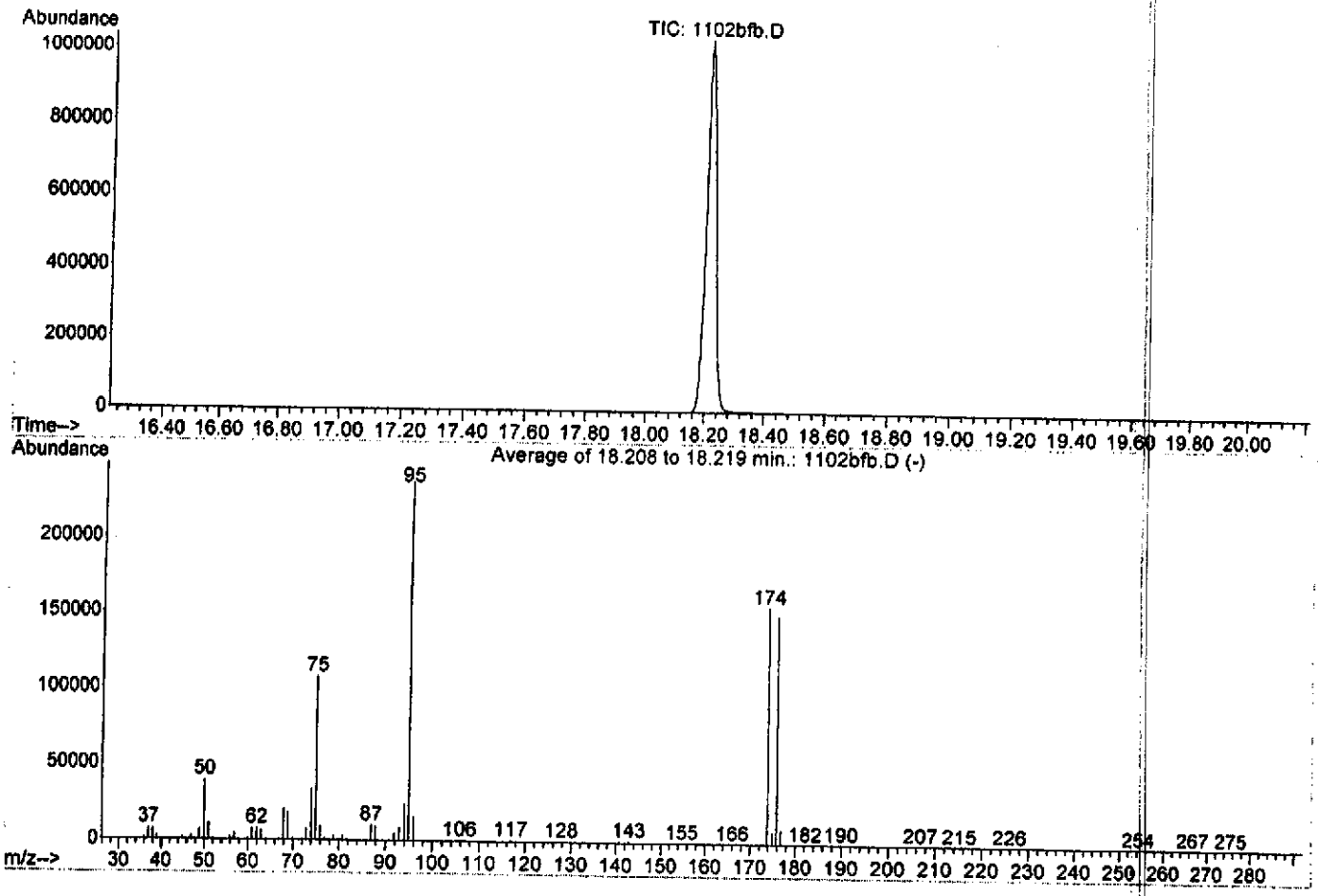
Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Title : TO-15
Last Update : Wed Nov 01 13:59:19 2006

Runs with this BFB Tune

Initial Calibration
40 ppbv TO-15 Standard
30 ppbv TO-15 Standard
20 ppbv TO-15 Standard
10 ppbv TO-15 Standard
0.5 ppbv TO-15 Standard

Data Files

1102std01
1102std02
1102std03
1102std04
1102std05



AutoFind: Scans 3274, 3275, 3276; Background Corrected with Scan 3261

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.7	39642	PASS
75	95	30	66	45.6	108205	PASS
95	95	100	100	100.0	237415	PASS
96	95	5	9	6.8	16091	PASS
173	174	0.00	2	0.4	557	PASS
174	95	50	120	66.0	156778	PASS
175	174	4	9	5.1	7970	PASS
176	174	93	101	96.4	151168	PASS
177	176	5	9	6.7	10063	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Certs\

Data File: 1107BFB.D

Acq On: 11/7/2006 8:16:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1102.M

Title: TO-15

Last Update: Fri Nov 10 11:17:05 2006

Runs with this BFB

10 PPBV DCS. [1107DCS]; 10 PPBV LCS [1107LCS01]; 10 PPBV LCS [1107LCS02]; 3044 [110719]; METHOD BLANK [1107BLK]

Spectrum Information:

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	16.0	38442	PASS
75	95	30	66	45.8	110422	PASS
95	95	100	100	100.0	240957	PASS
96	95	5	9	6.6	15953	PASS
173	174	0.00	2	0.4	636	PASS
174	95	50	120	64.3	154858	PASS
175	174	4	9	5.5	8531	PASS
176	174	93	101	98.5	152512	PASS
177	176	5	9	6.6	10097	PASS

BFB

Data Path: P:\ChemStation\Data_Nov\

Data File: 1108BFB.D

Acq On: 11/8/2006 8:07:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1102.M

Title: TO-15

Last Update: Fri Nov 10 11:17:05 2006

Runs with this BFB

10 PPBV DCS. [1108DCS]; 10 PPBV LCS [1108LCS01]; 10 PPBV LCS [1108LCS02]; 2157 [110818]; 3045 [110816]; 3061 [110817]; METHOD BLANK [1108BLK]

Spectrum Information: Average of 18.208 to 18.219 min.

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	16.6	31920	PASS
75	95	30	66	45.4	87130	PASS
95	95	100	100	100.0	192106	PASS
96	95	5	9	6.7	12914	PASS
173	174	0.00	2	0.3	381	PASS
174	95	50	120	68.0	130592	PASS
175	174	4	9	5.0	6506	PASS
176	174	93	101	98.4	128456	PASS
177	176	5	9	6.6	8433	PASS

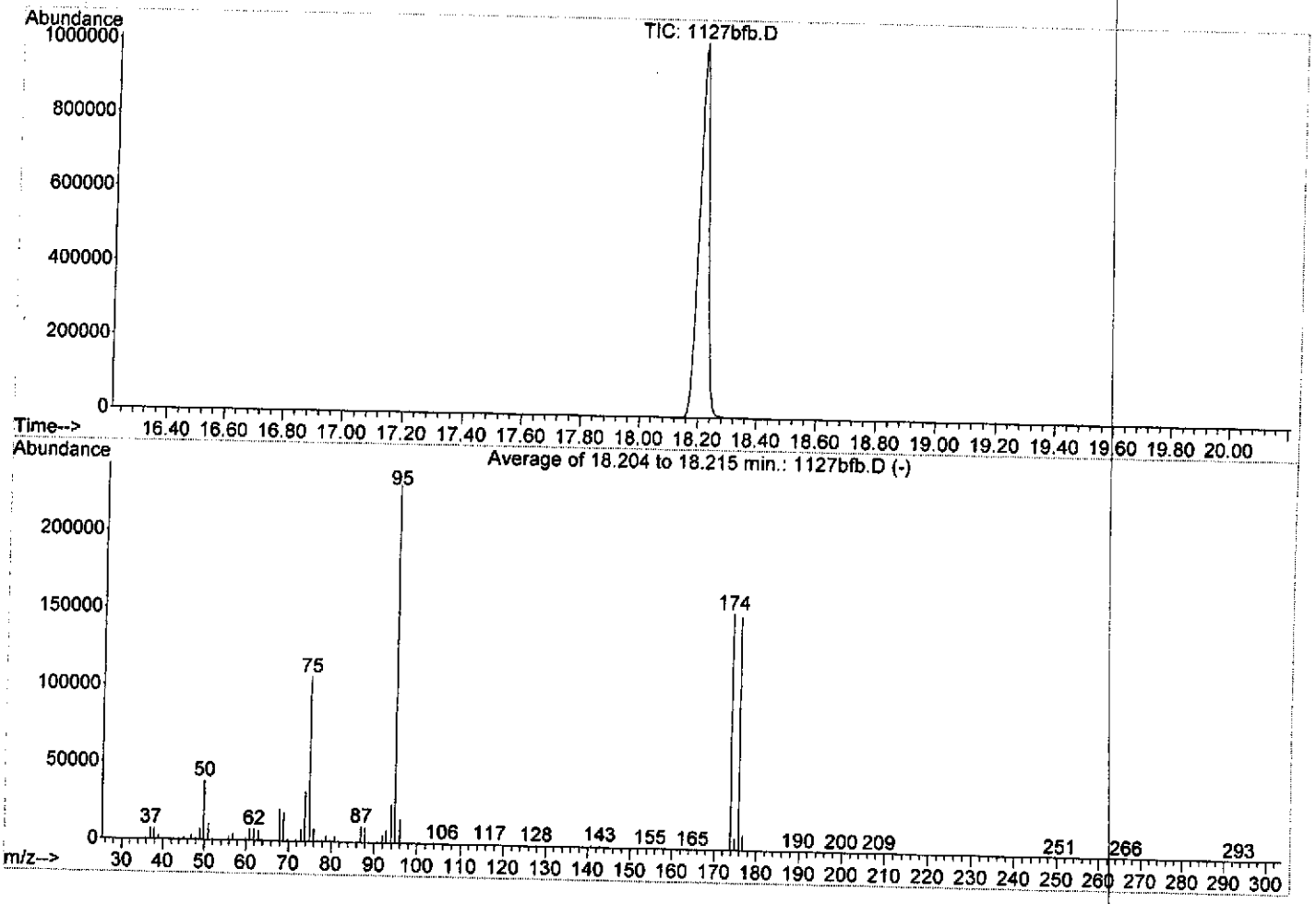
PAL1102.M Mon Nov 20 15:56:08 2006 IAL

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127bfb.D
Acq On : 27 Nov 2006 10:54
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Title : TO-15
Last Update : Fri Nov 10 11:17:05 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1127std01
30 ppbv TO-15 Standard	1127std02
20 ppbv TO-15 Standard	1127std03
10 ppbv TO-15 Standard	1127std04
0.5 ppbv TO-15 Standard	1127std05



AutoFind: Scans 3278, 3279, 3280; Background Corrected with Scan 3262

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.5	38212	PASS
75	95	30	66	46.1	106800	PASS
95	95	100	100	100.0	231655	PASS
96	95	5	9	6.7	15528	PASS
173	174	0.00	2	0.4	659	PASS
174	95	50	120	66.0	152981	PASS
175	174	4	9	5.0	7588	PASS
176	174	93	101	98.4	150570	PASS
177	176	5	9	6.5	9790	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Certs\

Data File: 1206BFB_061206135147.D

Acq On: 12/6/2006 1:51:00PM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1127.M

Title: TO-15

Last Update: Tue Nov 28 10:27:04 2006

Runs with this BFB

10 PPBV DCS. [1206DCS_061206151240]; 10 PPBV LCS [1206LCS01]; 10 PPBV LCS [1206LCS02]; 3054 [120602]; METHOD BLANK [1206BLK]

Spectrum Information: Average of 18.212 to 18.224 min.

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	15.4	22538	PASS
75	95	30	66	44.6	65290	PASS
95	95	100	100	100.0	146325	PASS
96	95	5	9	6.4	9333	PASS
173	174	0.00	2	0.4	430	PASS
174	95	50	120	68.7	100533	PASS
175	174	4	9	4.8	4789	PASS
176	174	93	101	97.7	98237	PASS
177	176	5	9	6.4	6249	PASS

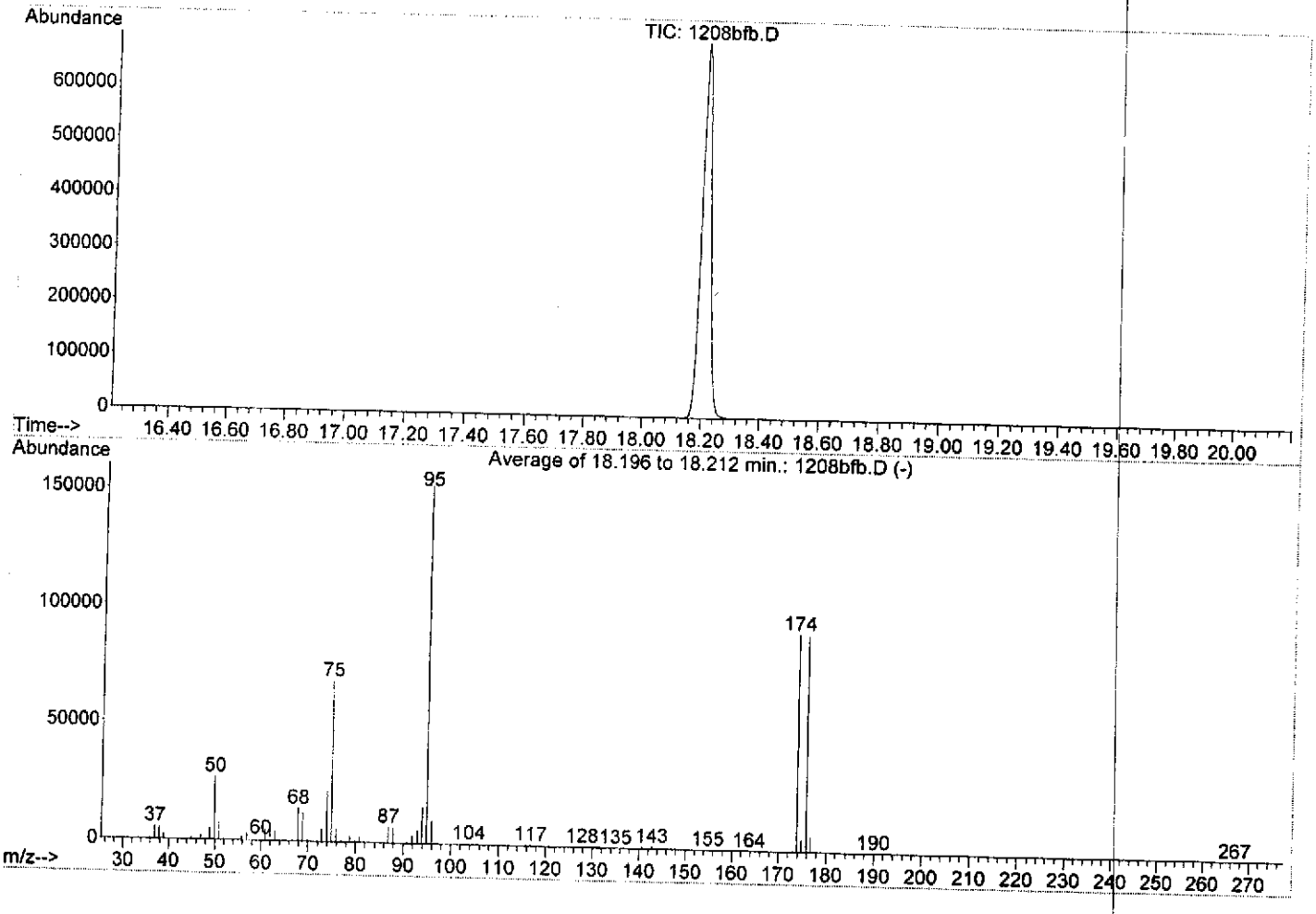
PAL1127.M Tue Jan 09 15:25:49 2007 IAL

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208bfb.D
Acq On : 08 Dec 2006 09:32
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Title : TO-15
Last Update : Tue Dec 05 13:20:32 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1208std01
30 ppbv TO-15 Standard	1208std02
20 ppbv TO-15 Standard	1208std03
10 ppbv TO-15 Standard	1208std04
0.5 ppbv TO-15 Standard	1208std05



AutoFind: Scans 2181, 2182, 2183; Background Corrected with Scan 2171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	26781	PASS
75	95	30	66	44.9	68497	PASS
95	95	100	100	100.0	152722	PASS
96	95	5	9	6.4	9821	PASS
173	174	0.00	2	0.5	425	PASS
174	95	50	120	60.6	92576	PASS
175	174	4	9	5.2	4860	PASS
176	174	93	101	99.2	91826	PASS
177	176	5	9	6.7	6137	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Samples\

Data File: 1214BFB.D

Acq On: 12/14/2006 7:24:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1208.M

Title: TO-15

Last Update: Mon Dec 11 15:19:00 2006

Runs with this BFB

10 PPBV DCS. [1214DCS]; 10 PPBV LCS [1214LCS01]; 10 PPBV LCS [1214LCS02]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; METHOD BLANK [1214BLK_061214134343]

Spectrum Information: Average of 18.197 to 18.208 min.

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	15.2	18213	PASS
75	95	30	66	43.6	52362	PASS
95	95	100	100	100.0	119972	PASS
96	95	5	9	6.5	7744	PASS
173	174	0.00	2	0.4	337	PASS
174	95	50	120	67.1	80493	PASS
175	174	4	9	5.4	4326	PASS
176	174	93	101	96.8	77954	PASS
177	176	5	9	6.4	5019	PASS

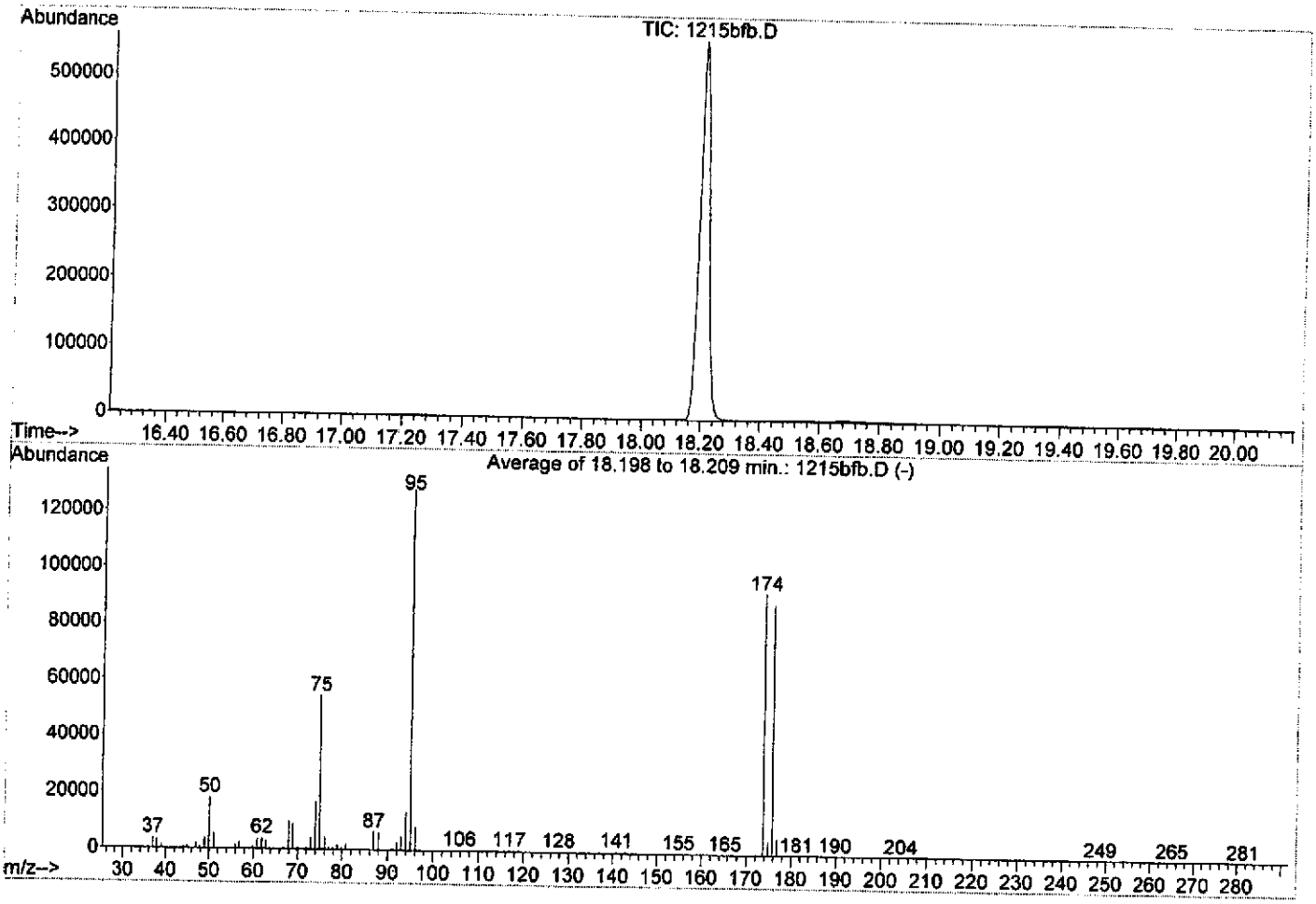
PAL1208.M Mon Jan 08 17:50:45 2007 IAL

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215bfb.D
Acq On : 15 Dec 06 13:12
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Title : TO-15
Last Update : Tue Dec 12 09:03:02 2006

Runs with this bfb Tune	Data Files
10 ppbv Daily Calibration	1215dcs
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507



AutoFind: Scans 3277, 3278, 3279; Background Corrected with Scan 3262

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.1	18088	PASS
75	95	30	66	42.5	54573	PASS
95	95	100	100	100.0	128277	PASS
96	95	5	9	6.6	8420	PASS
173	174	0.00	2	0.4	414	PASS
174	95	50	120	72.5	92960	PASS
175	174	4	9	5.4	5022	PASS
176	174	93	101	95.8	89095	PASS
177	176	5	9	6.6	5903	PASS

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1031BLK
Date Analyzed: 10/31/06

Runs with this Method Blank:

10 PPBV DCS. [1031DCS]; 10 PPBV LCS [1031LCS01]; 10 PPBV LCS [1031LCS02]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1107BLK
Date Analyzed: 11/7/06

Runs with this Method Blank:

10 PPBV DCS. [1107DCS]; 10 PPBV LCS [1107LCS01]; 10 PPBV LCS [1107LCS02]; 3044 [110719]; BFB [1107BFB]

Compound	CAS #	POL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1108BLK
Date Analyzed: 11/8/06

Runs with this Method Blank:

10 PPBV DCS. [1108DCS]; 10 PPBV LCS [1108LCS01]; 10 PPBV LCS [1108LCS02]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]

Compound	CAS #	POL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1206BLK
Date Analyzed: 12/6/06

Runs with this Method Blank:

10 PPBV DCS. [1206DCS_061206151240]; 10 PPBV LCS [1206LCS01]; 10 PPBV LCS [1206LCS02]; 3054 [120602]; BFB [1206BFB_061206135147]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1214BLK_061214134343
Date Analyzed: 12/14/06

Runs with this Method Blank:

10 PPBV DCS. [1214DCS]; 10 PPBV LCS [1214LCS01]; 10 PPBV LCS [1214LCS02]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	0.33
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	0.35
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215blk.D
Acq On : 15 Dec 06 17:50
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Method Blank	Data Files
BFB tune	1215bfb
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:35:16 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	69895	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	327450	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.01	117	289055	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	196139	9.25	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1031LCS01
Date Analyzed: 10/31/06

Runs with this LCS:

10 PPBV DCS. [1031DCS]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]; METHOD BLANK [1031BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	13	127
Benzene	71-43-2	10	101
Bromodichloromethane	75-27-4	9.5	95
Bromoethene	593-60-2	11	108
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	9.9	99
1,3-Butadiene	106-99-0	10	104
tert-Butyl alcohol	75-65-0	12	121
Carbon disulfide	75-15-0	10	102
Carbon tetrachloride	56-23-5	9.4	94
Chlorobenzene	108-90-7	9.8	98
Chloroethane	75-00-3	11	109
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	111
3-Chloropropene	107-05-1	11	113
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.4	94
Dibromochloromethane	124-48-1	9.1	91
1,2-Dibromoethane	106-93-4	9.1	91
1,2-Dichlorobenzene	95-50-1	11	105
1,3-Dichlorobenzene	541-73-1	10.0	100
1,4-Dichlorobenzene	106-46-7	10	105
Dichlorodifluoromethane	75-71-8	11	108
1,1-Dichloroethane	75-34-3	11	111
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	12	115
cis-1,2-Dichloroethylene	156-59-2	11	112
trans-1,2-Dichloroethylene	156-60-5	11	111
1,2-Dichloropropane	78-87-5	9.3	93
cis-1,3-Dichloropropene	10061-01-5	9.5	95
trans-1,3-Dichloropropene	10061-02-6	9.9	99
Dichlorotetrafluoroethane	76-14-2	11	106
Ethylbenzene	100-41-4	11	109
4-Ethyltoluene	622-96-8	12	119
Heptane	142-82-5	9.9	99
Hexachlorobutadiene	87-68-3	10	102
Hexane	110-54-3	11	107
Methyl ethyl ketone	78-93-3	13	126
Methyl isobutyl ketone	108-10-1	11	112
Methylene chloride	75-09-2	11	110
Methyl-t-butyl ether	1634-04-4	11	114
Styrene	100-42-5	10	103
1,1,2,2-Tetrachloroethane	79-34-5	10	102
Tetrachloroethylene	127-18-4	8.5	85
Toluene	108-88-3	10	104
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	100
1,2,4-Trichlorobenzene	120-82-1	9.8	98
1,1,1-Trichloroethane	71-55-6	9.5	95
1,1,2-Trichloroethane	79-00-5	8.9	89
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	11	114
1,2,4-Trimethylbenzene	95-63-6	11	112
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	9.1	91
Vinyl chloride	75-01-4	11	109
m or p-Xylene	1330-20-7	11	114
o-Xylene	95-47-6	11	106

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1031LCS02
Date Analyzed: 10/31/06

Runs with this LCS:

10 PPBV DCS. [1031DCS]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]; METHOD BLANK [1031BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	123
Benzene	71-43-2	10	102
Bromodichloromethane	75-27-4	9.5	95
Bromoethene	593-60-2	11	107
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	10.0	100
1,3-Butadiene	106-99-0	10	104
tert-Butyl alcohol	75-65-0	12	118
Carbon disulfide	75-15-0	10	103
Carbon tetrachloride	56-23-5	9.5	95
Chlorobenzene	108-90-7	9.7	97
Chloroethane	75-00-3	11	109
Chloroform	67-66-3	11	108
Chloromethane	74-87-3	11	111
3-Chloropropene	107-05-1	11	112
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.5	95
Dibromochloromethane	124-48-1	9.0	90
1,2-Dibromoethane	106-93-4	9.0	90
1,2-Dichlorobenzene	95-50-1	10	103
1,3-Dichlorobenzene	541-73-1	9.9	99
1,4-Dichlorobenzene	106-46-7	10	103
Dichlorodifluoromethane	75-71-8	11	107
1,1-Dichloroethane	75-34-3	11	111
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	11	112
cis-1,2-Dichloroethylene	156-59-2	11	111
trans-1,2-Dichloroethylene	156-60-5	11	111
1,2-Dichloropropane	78-87-5	9.4	94
cis-1,3-Dichloropropene	10061-01-5	9.6	96
trans-1,3-Dichloropropene	10061-02-6	9.8	98
Dichlorotetrafluoroethane	76-14-2	10	105
Ethylbenzene	100-41-4	11	111
4-Ethyltoluene	622-96-8	12	118
Heptane	142-82-5	9.9	99
Hexachlorobutadiene	87-68-3	10	102
Hexane	110-54-3	11	106
Methyl ethyl ketone	78-93-3	12	122
Methyl isobutyl ketone	108-10-1	11	111
Methylene chloride	75-09-2	11	109
Methyl-t-butyl ether	1634-04-4	11	112
Styrene	100-42-5	10	104
1,1,2,2-Tetrachloroethane	79-34-5	10	101
Tetrachloroethylene	127-18-4	8.6	86
Toluene	108-88-3	10	104
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	101
1,2,4-Trichlorobenzene	120-82-1	9.9	99
1,1,1-Trichloroethane	71-55-6	9.6	96
1,1,2-Trichloroethane	79-00-5	9.0	90
Trichloroethylene	79-01-6	8.0	80
Trichlorofluoromethane	75-69-4	11	112
1,2,4-Trimethylbenzene	95-63-6	11	112
1,3,5-Trimethylbenzene	108-67-8	11	111
2,2,4-Trimethylpentane	540-84-1	9.1	91
Vinyl chloride	75-01-4	11	106
m or p-Xylene	1330-20-7	11	113
o-Xylene	95-47-6	10	104

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1107LCS01
Date Analyzed: 11/7/06

Runs with this LCS:

10 PPBV DCS. [1107DCS]; 3044 [110719]; BFB [1107BFB]; METHOD BLANK [1107BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	117
Benzene	71-43-2	9.7	97
Bromodichloromethane	75-27-4	9.3	93
Bromoethene	593-60-2	11	110
Bromoform	75-25-2	8.5	85
Bromomethane	74-83-9	11	107
1,3-Butadiene	106-99-0	12	120
tert-Butyl alcohol	75-65-0	11	110
Carbon disulfide	75-15-0	10	103
Carbon tetrachloride	56-23-5	9.3	93
Chlorobenzene	108-90-7	9.4	94
Chloroethane	75-00-3	11	107
Chloroform	67-66-3	11	106
Chloromethane	74-87-3	11	109
3-Chloropropene	107-05-1	12	121
2-Chlorotoluene	95-49-8	10.0	100
Cyclohexane	110-82-7	9.2	92
Dibromochloromethane	124-48-1	8.9	89
1,2-Dibromoethane	106-93-4	8.9	89
1,2-Dichlorobenzene	95-50-1	9.6	96
1,3-Dichlorobenzene	541-73-1	9.1	91
1,4-Dichlorobenzene	106-46-7	9.5	95
Dichlorodifluoromethane	75-71-8	11	109
1,1-Dichloroethane	75-34-3	11	109
1,2-Dichloroethane	107-06-2	9.7	97
1,1-Dichloroethylene	75-35-4	11	108
cis-1,2-Dichloroethylene	156-59-2	11	105
trans-1,2-Dichloroethylene	156-60-5	11	109
1,2-Dichloropropane	78-87-5	9.2	92
cis-1,3-Dichloropropene	10061-01-5	9.3	93
trans-1,3-Dichloropropene	10061-02-6	9.5	95
Dichlorotetrafluoroethane	76-14-2	11	107
Ethylbenzene	100-41-4	10	104
4-Ethyltoluene	622-96-8	11	106
Heptane	142-82-5	9.2	92
Hexachlorobutadiene	87-68-3	12	116
Hexane	110-54-3	10	103
Methyl ethyl ketone	78-93-3	11	112
Methyl isobutyl ketone	108-10-1	10	100
Methylene chloride	75-09-2	11	106
Methyl-t-butyl ether	1634-04-4	11	107
Styrene	100-42-5	10	101
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	9.8	98
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.7	97
1,2,4-Trichlorobenzene	120-82-1	8.1	81
1,1,1-Trichloroethane	71-55-6	9.4	94
1,1,2-Trichloroethane	79-00-5	8.9	89
Trichloroethylene	79-01-6	7.7	77
Trichlorofluoromethane	75-69-4	12	117
1,2,4-Trimethylbenzene	95-63-6	10.0	100
1,3,5-Trimethylbenzene	108-67-8	10	102
2,2,4-Trimethylpentane	540-84-1	8.8	88
Vinyl chloride	75-01-4	11	106
m or p-Xylene	1330-20-7	10	105
o-Xylene	95-47-6	9.8	98

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1107LCS02
Date Analyzed: 11/7/06

Runs with this LCS:

10 PPBV DCS. [1107DCS]; 3044 [110719]; BFB [1107BFB]; METHOD BLANK [1107BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	11	114
Benzene	71-43-2	9.8	98
Bromodichloromethane	75-27-4	9.3	93
Bromoethene	593-60-2	11	109
Bromoform	75-25-2	8.3	83
Bromomethane	74-83-9	11	108
1,3-Butadiene	106-99-0	12	118
tert-Butyl alcohol	75-65-0	11	106
Carbon disulfide	75-15-0	10	102
Carbon tetrachloride	56-23-5	9.3	93
Chlorobenzene	108-90-7	9.5	95
Chloroethane	75-00-3	11	106
Chloroform	67-66-3	10	105
Chloromethane	74-87-3	11	108
3-Chloropropene	107-05-1	12	120
2-Chlorotoluene	95-49-8	10.0	100
Cyclohexane	110-82-7	9.3	93
Dibromochloromethane	124-48-1	8.8	88
1,2-Dibromoethane	106-93-4	8.9	89
1,2-Dichlorobenzene	95-50-1	9.6	96
1,3-Dichlorobenzene	541-73-1	9.2	92
1,4-Dichlorobenzene	106-46-7	9.6	96
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	11	108
1,2-Dichloroethane	107-06-2	9.6	96
1,1-Dichloroethylene	75-35-4	11	107
cis-1,2-Dichloroethylene	156-59-2	10	104
trans-1,2-Dichloroethylene	156-60-5	11	106
1,2-Dichloropropane	78-87-5	9.2	92
cis-1,3-Dichloropropene	10061-01-5	9.2	92
trans-1,3-Dichloropropene	10061-02-6	9.5	95
Dichlorotetrafluoroethane	76-14-2	11	107
Ethylbenzene	100-41-4	11	105
4-Ethyltoluene	622-96-8	11	106
Heptane	142-82-5	9.2	92
Hexachlorobutadiene	87-68-3	10	105
Hexane	110-54-3	10	102
Methyl ethyl ketone	78-93-3	11	108
Methyl isobutyl ketone	108-10-1	10.0	100
Methylene chloride	75-09-2	10	103
Methyl-t-butyl ether	1634-04-4	11	106
Styrene	100-42-5	10.0	100
1,1,2,2-Tetrachloroethane	79-34-5	9.3	93
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	10.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.6	96
1,2,4-Trichlorobenzene	120-82-1	7.5	75
1,1,1-Trichloroethane	71-55-6	9.2	92
1,1,2-Trichloroethane	79-00-5	8.8	88
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	11	113
1,2,4-Trimethylbenzene	95-63-6	9.8	98
1,3,5-Trimethylbenzene	108-67-8	10	103
2,2,4-Trimethylpentane	540-84-1	8.9	89
Vinyl chloride	75-01-4	11	105
m or p-Xylene	1330-20-7	11	105
o-Xylene	95-47-6	9.6	96

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1108LCS01
Date Analyzed: 11/8/06

Runs with this LCS:

10 PPBV DCS. [1108DCS]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]; METHOD BLANK [1108BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	121
Benzene	71-43-2	10	101
Bromodichloromethane	75-27-4	9.6	96
Bromoethene	593-60-2	11	113
Bromoform	75-25-2	8.4	84
Bromomethane	74-83-9	11	111
1,3-Butadiene	106-99-0	12	120
tert-Butyl alcohol	75-65-0	11	113
Carbon disulfide	75-15-0	11	107
Carbon tetrachloride	56-23-5	9.6	96
Chlorobenzene	108-90-7	9.7	97
Chloroethane	75-00-3	11	112
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	114
3-Chloropropene	107-05-1	13	125
2-Chlorotoluene	95-49-8	10	103
Cyclohexane	110-82-7	9.6	96
Dibromochloromethane	124-48-1	8.9	89
1,2-Dibromoethane	106-93-4	9.2	92
1,2-Dichlorobenzene	95-50-1	9.8	98
1,3-Dichlorobenzene	541-73-1	9.4	94
1,4-Dichlorobenzene	106-46-7	9.7	97
Dichlorodifluoromethane	75-71-8	11	115
1,1-Dichloroethane	75-34-3	11	115
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	11	113
cis-1,2-Dichloroethylene	156-59-2	11	110
trans-1,2-Dichloroethylene	156-60-5	11	113
1,2-Dichloropropane	78-87-5	9.7	97
cis-1,3-Dichloropropene	10061-01-5	9.6	96
trans-1,3-Dichloropropene	10061-02-6	10	100
Dichlorotetrafluoroethane	76-14-2	11	110
Ethylbenzene	100-41-4	11	107
4-Ethyltoluene	622-96-8	11	111
Heptane	142-82-5	9.8	98
Hexachlorobutadiene	87-68-3	12	119
Hexane	110-54-3	11	107
Methyl ethyl ketone	78-93-3	12	116
Methyl isobutyl ketone	108-10-1	11	106
Methylene chloride	75-09-2	11	111
Methyl-t-butyl ether	1634-04-4	11	111
Styrene	100-42-5	10	103
1,1,2,2-Tetrachloroethane	79-34-5	9.7	97
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	10	101
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.9	99
1,2,4-Trichlorobenzene	120-82-1	9.0	90
1,1,1-Trichloroethane	71-55-6	9.6	96
1,1,2-Trichloroethane	79-00-5	9.2	92
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	12	121
1,2,4-Trimethylbenzene	95-63-6	11	106
1,3,5-Trimethylbenzene	108-67-8	11	106
2,2,4-Trimethylpentane	540-84-1	9.2	92
Vinyl chloride	75-01-4	11	107
m or p-Xylene	1330-20-7	11	109
o-Xylene	95-47-6	10	101

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1108LCS02
Date Analyzed: 11/8/06

Runs with this LCS:

10 PPBV DCS. [1108DCS]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]; METHOD BLANK [1108BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	120
Benzene	71-43-2	10.0	100
Bromodichloromethane	75-27-4	9.4	94
Bromoethene	593-60-2	11	114
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	11	112
1,3-Butadiene	106-99-0	11	115
tert-Butyl alcohol	75-65-0	11	114
Carbon disulfide	75-15-0	11	109
Carbon tetrachloride	56-23-5	9.5	95
Chlorobenzene	108-90-7	9.5	95
Chloroethane	75-00-3	11	113
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	109
3-Chloropropene	107-05-1	12	121
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.4	94
Dibromochloromethane	124-48-1	8.8	88
1,2-Dibromoethane	106-93-4	9.1	91
1,2-Dichlorobenzene	95-50-1	9.4	94
1,3-Dichlorobenzene	541-73-1	8.8	88
1,4-Dichlorobenzene	106-46-7	9.3	93
Dichlorodifluoromethane	75-71-8	9.0	90
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	10	100
1,1-Dichloroethylene	75-35-4	12	115
cis-1,2-Dichloroethylene	156-59-2	11	109
trans-1,2-Dichloroethylene	156-60-5	11	107
1,2-Dichloropropane	78-87-5	9.4	94
cis-1,3-Dichloropropene	10061-01-5	9.5	95
trans-1,3-Dichloropropene	10061-02-6	9.9	99
Dichlorotetrafluoroethane	76-14-2	11	108
Ethylbenzene	100-41-4	10	105
4-Ethyltoluene	622-96-8	10	102
Heptane	142-82-5	9.6	96
Hexachlorobutadiene	87-68-3	11	111
Hexane	110-54-3	10	104
Methyl ethyl ketone	78-93-3	12	117
Methyl isobutyl ketone	108-10-1	11	107
Methylene chloride	75-09-2	11	109
Methyl-t-butyl ether	1634-04-4	11	111
Styrene	100-42-5	9.8	98
1,1,2,2-Tetrachloroethane	79-34-5	9.3	93
Tetrachloroethylene	127-18-4	8.2	82
Toluene	108-88-3	9.9	99
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	107
1,2,4-Trichlorobenzene	120-82-1	8.5	85
1,1,1-Trichloroethane	71-55-6	9.4	94
1,1,2-Trichloroethane	79-00-5	9.1	91
Trichloroethylene	79-01-6	7.8	78
Trichlorofluoromethane	75-69-4	12	118
1,2,4-Trimethylbenzene	95-63-6	10	101
1,3,5-Trimethylbenzene	108-67-8	10	101
2,2,4-Trimethylpentane	540-84-1	9.0	90
Vinyl chloride	75-01-4	11	107
m or p-Xylene	1330-20-7	10	103
o-Xylene	95-47-6	9.5	95

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1206LCS01
Date Analyzed: 12/6/06

Runs with this LCS:

10 PPBV DCS. [1206DCS_061206151240]; 3054 [120602]; BFB [1206BFB_061206135147]; METHOD BLANK [1206BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	11	113	
Benzene	71-43-2	10.0	100	
Bromodichloromethane	75-27-4	9.5	95	
Bromoethene	593-60-2	11	107	
Bromoform	75-25-2	8.6	86	
Bromomethane	74-83-9	10	104	
1,3-Butadiene	106-99-0	11	106	
tert-Butyl alcohol	75-65-0	11	114	
Carbon disulfide	75-15-0	10	104	
Carbon tetrachloride	56-23-5	9.6	96	
Chlorobenzene	108-90-7	9.5	95	
Chloroethane	75-00-3	11	109	
Chloroform	67-66-3	11	108	
Chloromethane	74-87-3	10	105	
3-Chloropropene	107-05-1	11	108	
2-Chlorotoluene	95-49-8	10	102	
Cyclohexane	110-82-7	9.3	93	
Dibromochloromethane	124-48-1	9.3	93	
1,2-Dibromoethane	106-93-4	9.1	91	
1,2-Dichlorobenzene	95-50-1	10.0	100	
1,3-Dichlorobenzene	541-73-1	9.3	93	
1,4-Dichlorobenzene	106-46-7	9.7	97	
Dichlorodifluoromethane	75-71-8	10	103	
1,1-Dichloroethane	75-34-3	11	109	
1,2-Dichloroethane	107-06-2	10	101	
1,1-Dichloroethylene	75-35-4	11	108	
cis-1,2-Dichloroethylene	156-59-2	11	108	
trans-1,2-Dichloroethylene	156-60-5	11	108	
1,2-Dichloropropane	78-87-5	9.4	94	
cis-1,3-Dichloropropene	10061-01-5	9.4	94	
trans-1,3-Dichloropropene	10061-02-6	9.7	97	
Dichlorotetrafluoroethane	76-14-2	10	102	
Ethylbenzene	100-41-4	10	105	
4-Ethyltoluene	622-96-8	11	110	
Heptane	142-82-5	9.6	96	
Hexachlorobutadiene	87-68-3	34	337	*
Hexane	110-54-3	11	106	
Methyl ethyl ketone	78-93-3	12	116	
Methyl isobutyl ketone	108-10-1	10	103	
Methylene chloride	75-09-2	10	104	
Methyl-t-butyl ether	1634-04-4	11	109	
Styrene	100-42-5	10.0	100	
1,1,2,2-Tetrachloroethane	79-34-5	9.6	96	
Tetrachloroethylene	127-18-4	8.7	87	
Toluene	108-88-3	9.8	98	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.9	99	
1,2,4-Trichlorobenzene	120-82-1	9.1	91	
1,1,1-Trichloroethane	71-55-6	9.6	96	
1,1,2-Trichloroethane	79-00-5	9.3	93	
Trichloroethylene	79-01-6	8.3	83	
Trichlorofluoromethane	75-69-4	10	105	
1,2,4-Trimethylbenzene	95-63-6	10	104	
1,3,5-Trimethylbenzene	108-67-8	11	106	
2,2,4-Trimethylpentane	540-84-1	9.2	92	
Vinyl chloride	75-01-4	10.0	100	
m or p-Xylene	1330-20-7	10	104	
o-Xylene	95-47-6	9.9	99	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1206LCS02
Date Analyzed: 12/6/06

Runs with this LCS:

10 PPBV DCS. [1206DCS_061206151240]; 3054 [120602]; BFB [1206BFB_061206135147]; METHOD BLANK [1206BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	11	112	
Benzene	71-43-2	9.8	98	
Bromodichloromethane	75-27-4	9.5	95	
Bromoethene	593-60-2	11	108	
Bromoform	75-25-2	8.8	88	
Bromomethane	74-83-9	10	104	
1,3-Butadiene	106-99-0	11	108	
tert-Butyl alcohol	75-65-0	10	102	
Carbon disulfide	75-15-0	10	104	
Carbon tetrachloride	56-23-5	9.5	95	
Chlorobenzene	108-90-7	9.5	95	
Chloroethane	75-00-3	11	106	
Chloroform	67-66-3	11	108	
Chloromethane	74-87-3	10	104	
3-Chloropropene	107-05-1	11	110	
2-Chlorotoluene	95-49-8	10	104	
Cyclohexane	110-82-7	9.3	93	
Dibromochloromethane	124-48-1	9.1	91	
1,2-Dibromoethane	106-93-4	9.2	92	
1,2-Dichlorobenzene	95-50-1	10	102	
1,3-Dichlorobenzene	541-73-1	9.6	96	
1,4-Dichlorobenzene	106-46-7	9.9	99	
Dichlorodifluoromethane	75-71-8	10	102	
1,1-Dichloroethane	75-34-3	11	109	
1,2-Dichloroethane	107-06-2	10	100	
1,1-Dichloroethylene	75-35-4	11	109	
cis-1,2-Dichloroethylene	156-59-2	11	108	
trans-1,2-Dichloroethylene	156-60-5	11	109	
1,2-Dichloropropane	78-87-5	9.4	94	
cis-1,3-Dichloropropene	10061-01-5	9.5	95	
trans-1,3-Dichloropropene	10061-02-6	9.8	98	
Dichlorotetrafluoroethane	76-14-2	10	102	
Ethylbenzene	100-41-4	11	106	
4-Ethyltoluene	622-96-8	11	112	
Heptane	142-82-5	9.5	95	
Hexachlorobutadiene	87-68-3	45	451	*
Hexane	110-54-3	11	105	
Methyl ethyl ketone	78-93-3	12	116	
Methyl isobutyl ketone	108-10-1	11	107	
Methylene chloride	75-09-2	10	104	
Methyl-t-butyl ether	1634-04-4	11	109	
Styrene	100-42-5	10	102	
1,1,2,2-Tetrachloroethane	79-34-5	9.6	96	
Tetrachloroethylene	127-18-4	8.7	87	
Toluene	108-88-3	9.9	99	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	102	
1,2,4-Trichlorobenzene	120-82-1	9.5	95	
1,1,1-Trichloroethane	71-55-6	9.7	97	
1,1,2-Trichloroethane	79-00-5	9.3	93	
Trichloroethylene	79-01-6	8.2	82	
Trichlorofluoromethane	75-69-4	10	104	
1,2,4-Trimethylbenzene	95-63-6	11	108	
1,3,5-Trimethylbenzene	108-67-8	11	107	
2,2,4-Trimethylpentane	540-84-1	9.1	91	
Vinyl chloride	75-01-4	8.9	89	
m or p-Xylene	1330-20-7	11	107	
o-Xylene	95-47-6	10.0	100	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1214LCS01
Date Analyzed: 12/14/06

Runs with this LCS:

10 PPBV DCS. [1214DCS]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]; METHOD BLANK [1214BLK_061214134343]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	12	124	
Benzene	71-43-2	10	104	
Bromodichloromethane	75-27-4	9.9	99	
Bromoethene	593-60-2	12	121	
Bromoform	75-25-2	9.6	96	
Bromomethane	74-83-9	11	114	
1,3-Butadiene	106-99-0	13	134	*
tert-Butyl alcohol	75-65-0	11	107	
Carbon disulfide	75-15-0	12	115	
Carbon tetrachloride	56-23-5	10	104	
Chlorobenzene	108-90-7	9.7	97	
Chloroethane	75-00-3	11	112	
Chloroform	67-66-3	11	113	
Chloromethane	74-87-3	12	119	
3-Chloropropene	107-05-1	13	134	*
2-Chlorotoluene	95-49-8	11	109	
Cyclohexane	110-82-7	10	101	
Dibromochloromethane	124-48-1	9.4	94	
1,2-Dibromoethane	106-93-4	9.5	95	
1,2-Dichlorobenzene	95-50-1	8.8	88	
1,3-Dichlorobenzene	541-73-1	8.5	85	
1,4-Dichlorobenzene	106-46-7	9.0	90	
Dichlorodifluoromethane	75-71-8	11	113	
1,1-Dichloroethane	75-34-3	11	113	
1,2-Dichloroethane	107-06-2	11	107	
1,1-Dichloroethylene	75-35-4	12	116	
cis-1,2-Dichloroethylene	156-59-2	12	116	
trans-1,2-Dichloroethylene	156-60-5	12	121	
1,2-Dichloropropane	78-87-5	10.0	100	
cis-1,3-Dichloropropene	10061-01-5	10	101	
trans-1,3-Dichloropropene	10061-02-6	11	108	
Dichlorotetrafluoroethane	76-14-2	12	118	
Ethylbenzene	100-41-4	10	103	
4-Ethyltoluene	622-96-8	10	103	
Heptane	142-82-5	9.8	98	
Hexachlorobutadiene	87-68-3	9.0	90	
Hexane	110-54-3	11	110	
Methyl ethyl ketone	78-93-3	13	129	
Methyl isobutyl ketone	108-10-1	11	109	
Methylene chloride	75-09-2	11	110	
Methyl-t-butyl ether	1634-04-4	12	116	
Styrene	100-42-5	10	102	
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94	
Tetrachloroethylene	127-18-4	8.6	86	
Toluene	108-88-3	9.4	94	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	113	
1,2,4-Trichlorobenzene	120-82-1	8.7	87	
1,1,1-Trichloroethane	71-55-6	10	103	
1,1,2-Trichloroethane	79-00-5	9.8	98	
Trichloroethylene	79-01-6	8.7	87	
Trichlorofluoromethane	75-69-4	12	121	
1,2,4-Trimethylbenzene	95-63-6	10	101	
1,3,5-Trimethylbenzene	108-67-8	9.9	99	
2,2,4-Trimethylpentane	540-84-1	9.6	96	
Vinyl chloride	75-01-4	11	112	
m or p-Xylene	1330-20-7	10	101	
o-Xylene	95-47-6	9.7	97	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1214LCS02
Date Analyzed: 12/14/06

Runs with this LCS:

10 PPBV DCS. [1214DCS]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]; METHOD BLANK [1214BLK_061214134343]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	12	124	
Benzene	71-43-2	10	103	
Bromodichloromethane	75-27-4	9.7	97	
Bromoethene	593-60-2	12	122	
Bromoform	75-25-2	9.6	96	
Bromomethane	74-83-9	11	114	
1,3-Butadiene	106-99-0	13	127	
tert-Butyl alcohol	75-65-0	12	121	
Carbon disulfide	75-15-0	11	114	
Carbon tetrachloride	56-23-5	10	105	
Chlorobenzene	108-90-7	9.7	97	
Chloroethane	75-00-3	11	113	
Chloroform	67-66-3	11	115	
Chloromethane	74-87-3	12	119	
3-Chloropropene	107-05-1	14	136	*
2-Chlorotoluene	95-49-8	11	108	
Cyclohexane	110-82-7	9.9	99	
Dibromochloromethane	124-48-1	9.6	96	
1,2-Dibromoethane	106-93-4	9.6	96	
1,2-Dichlorobenzene	95-50-1	8.9	89	
1,3-Dichlorobenzene	541-73-1	8.6	86	
1,4-Dichlorobenzene	106-46-7	8.9	89	
Dichlorodifluoromethane	75-71-8	11	114	
1,1-Dichloroethane	75-34-3	11	112	
1,2-Dichloroethane	107-06-2	11	107	
1,1-Dichloroethylene	75-35-4	12	116	
cis-1,2-Dichloroethylene	156-59-2	11	115	
trans-1,2-Dichloroethylene	156-60-5	12	121	
1,2-Dichloropropane	78-87-5	9.9	99	
cis-1,3-Dichloropropene	10061-01-5	10	101	
trans-1,3-Dichloropropene	10061-02-6	11	109	
Dichlorotetrafluoroethane	76-14-2	12	118	
Ethylbenzene	100-41-4	10	104	
4-Ethyltoluene	622-96-8	10	102	
Heptane	142-82-5	9.7	97	
Hexachlorobutadiene	87-68-3	8.6	86	
Hexane	110-54-3	11	109	
Methyl ethyl ketone	78-93-3	13	128	
Methyl isobutyl ketone	108-10-1	11	108	
Methylene chloride	75-09-2	11	112	
Methyl-t-butyl ether	1634-04-4	12	115	
Styrene	100-42-5	10	101	
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94	
Tetrachloroethylene	127-18-4	8.6	86	
Toluene	108-88-3	9.4	94	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	115	
1,2,4-Trichlorobenzene	120-82-1	8.8	88	
1,1,1-Trichloroethane	71-55-6	10	102	
1,1,2-Trichloroethane	79-00-5	9.7	97	
Trichloroethylene	79-01-6	8.7	87	
Trichlorofluoromethane	75-69-4	12	120	
1,2,4-Trimethylbenzene	95-63-6	10	100	
1,3,5-Trimethylbenzene	108-67-8	9.8	98	
2,2,4-Trimethylpentane	540-84-1	9.4	94	
Vinyl chloride	75-01-4	11	111	
m or p-Xylene	1330-20-7	10	102	
o-Xylene	95-47-6	9.6	96	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs02.D
Acq On : 15 Dec 06 17:10
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:33:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	68452	10.00	ppbV	-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	311884	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	294404	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	201727	9.34	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 93.40%			
Target Compounds						Qvalue
2) Propene	3.80	41	63872	9.68	ppbV	100
3) Dichlorodifluoromethane	3.89	85	167903	9.39	ppbV	100
4) Chloromethane	4.07	50	74296	9.95	ppbV	100
5) Dichlorotetrafluoroethane	4.18	85	206171	9.74	ppbV	98
6) Vinyl_chloride	4.30	62	111539	9.55	ppbV	100
7) Butadiene,_1,3-	4.44	54	94307	10.96	ppbV	98
8) Bromomethane	4.72	94	68277	9.83	ppbV	100
9) Chloroethane	4.89	64	48065	9.67	ppbV	100
10) Ethanol	5.11	45	28780	11.83	ppbV	99
11) Bromoethene	5.23	106	27880	10.36	ppbV	100
12) Acetone	5.52	43	115217	10.25	ppbV	# 84
13) Trichlorofluoromethane	5.64	101	154711	9.46	ppbV	100
14) Isopropyl alcohol	5.80	45	149713	10.53	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	133467	9.83	ppbV	100
16) Butyl_Alcohol,_tert	6.38	59	54097	8.93	ppbV	100
17) Methylene_chloride	6.40	49	95191	9.37	ppbV	99
18) Chloropropene,_3-	6.52	76	10897	11.45	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.64	101	173506	9.84	ppbV	99
20) Carbon_disulfide	6.69	76	242019	9.89	ppbV	100
21) Dichloroethylene,_trans-1,	7.33	61	124275	10.15	ppbV	100
22) Dichloroethane, 1,1-	7.55	63	156714	9.40	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	247687	9.70	ppbV	100
24) Vinyl acetate	7.60	43	54305	9.20	ppbV	# 99
25) Methyl_ethyl_ketone	7.97	43	168540	10.71	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.42	61	117148	9.61	ppbV	100
27) Hexane	8.61	57	151004	9.40	ppbV	98
28) Ethyl acetate	8.64	61	28947	10.57	ppbV	100
29) Chloroform	8.73	83	167915	9.39	ppbV	100
31) Tetrahydrofuran	9.14	42	101603	9.14	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	116510	9.07	ppbV	100
33) Trichloroethane,_1,1,1-	9.79	97	173916	8.80	ppbV	100
34) Benzene	10.30	78	301051	8.99	ppbV	100
35) Carbon_tetrachloride	10.45	117	150182	9.02	ppbV	100
36) Cyclohexane	10.59	56	147704	8.64	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	100041	8.59	ppbV	100
38) Bromodichloromethane	11.44	83	205697	8.70	ppbV	99
39) Dioxane, 1,4-	11.48	88	72327	8.57	ppbV	98
40) Trichloroethylene	11.49	130	138899	7.68	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	196446	8.21	ppbV	100
42) Heptane	11.82	43	175365	8.44	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	169608	8.89	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	209802	9.45	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	166261	9.39	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs02.D
Acq On : 15 Dec 06 17:10
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:33:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.35	97	111261	8.67 ppbV	100
48) Toluene	13.70	91	374198	8.39 ppbV	100
49) Methyl butyl ketone	14.02	43	195198	10.01 ppbV	100
50) Dibromochloromethane	14.24	129	180818	8.61 ppbV	100
51) Dibromoethane,_1,2-	14.56	107	173702	8.48 ppbV	100
52) Tetrachloroethylene	15.16	166	176080	7.89 ppbV	99
53) Chlorobenzene	16.08	112	285230	8.75 ppbV	99
54) Ethylbenzene	16.59	91	462662	9.14 ppbV	99
55) Xylene,_m_&_p-	16.86	91	776782	9.12 ppbV	99
56) Bromoform	16.97	93	38540	8.39 ppbV	100
57) Styrene	17.37	104	287470	8.77 ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	292733	8.50 ppbV	100
59) Xylene,_o-	17.53	91	406741	8.56 ppbV	99
61) Cumene	18.41	105	69097	8.48 ppbV	100
62) Chlorotoluene,_2-	19.16	91	35136	9.29 ppbV	100
63) Ethyltoluene,_4-	19.47	105	509328	9.16 ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	435535	8.74 ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	414276	8.73 ppbV	99
66) Benzyl chloride	20.53	91	404021	9.21 ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	293811	7.67 ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	277139	7.83 ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	251207	7.85 ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	132220	7.47 ppbV	100
71) Hexachlorobutadiene	23.74	190	61932	7.25 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs01.D
Acq On : 15 Dec 06 16:26
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:29:45 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	67935	10.00	ppbV		-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	313768	10.00	ppbV		-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	300767	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.20	95	210137	9.52	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.20%				
Target Compounds							Qvalue
2) Propene	3.81	41	64592	9.87	ppbV		99
3) Dichlorodifluoromethane	3.89	85	167994	9.47	ppbV		100
4) Chloromethane	4.07	50	73259	9.89	ppbV		100
5) Dichlorotetrafluoroethane	4.19	85	202379	9.63	ppbV		98
6) Vinyl_chloride	4.30	62	110509	9.54	ppbV		100
7) Butadiene,_1,3-	4.44	54	92574	10.84	ppbV		99
8) Bromomethane	4.72	94	67162	9.74	ppbV		100
9) Chloroethane	4.90	64	47431	9.62	ppbV		100
10) Ethanol	5.11	45	29010	12.02	ppbV		99
11) Bromoethene	5.24	106	27906	10.45	ppbV		100
12) Acetone	5.51	43	114703	10.29	ppbV		99
13) Trichlorofluoromethane	5.65	101	150519	9.27	ppbV		100
14) Isopropyl alcohol	5.80	45	152272	10.79	ppbV		100
15) Dichloroethylene,_1,1-	6.27	61	132188	9.81	ppbV		99
16) Butyl_Alcohol,_tert	6.38	59	64943	10.80	ppbV		100
17) Methylene_chloride	6.40	49	95608	9.49	ppbV		100
18) Chloropropene,_3-	6.52	76	10725	11.35	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.64	101	173936	9.94	ppbV		99
20) Carbon_disulfide	6.69	76	238422	9.81	ppbV		100
21) Dichloroethylene,_trans-1,	7.34	61	125497	10.33	ppbV		100
22) Dichloroethane, 1,1-	7.55	63	157891	9.54	ppbV		100
23) Methyl-t-butyl_ether	7.60	73	251312	9.92	ppbV		100
24) Vinyl acetate	7.60	43	55194	9.43	ppbV	#	99
25) Methyl_ethyl_ketone	7.97	43	170568	10.92	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.41	61	118203	9.77	ppbV		100
27) Hexane	8.61	57	150961	9.47	ppbV		98
28) Ethyl acetate	8.64	61	29437	10.83	ppbV		100
29) Chloroform	8.73	83	168663	9.51	ppbV		100
31) Tetrahydrofuran	9.15	42	101632	9.09	ppbV		100
32) Dichloroethane,_1,2-	9.52	62	117898	9.13	ppbV		100
33) Trichloroethane,_1,1,1-	9.78	97	176268	8.87	ppbV		100
34) Benzene	10.29	78	302755	8.98	ppbV		100
35) Carbon_tetrachloride	10.46	117	147937	8.83	ppbV		99
36) Cyclohexane	10.59	56	148480	8.64	ppbV		100
37) Dichloropropane,_1,2-	11.22	63	102252	8.73	ppbV		100
38) Bromodichloromethane	11.44	83	206710	8.69	ppbV		99
39) Dioxane, 1,4-	11.47	88	73872	8.70	ppbV		98
40) Trichloroethylene	11.49	130	141876	7.80	ppbV		99
41) Trimethylpentane,_2,2,4-	11.51	57	199772	8.30	ppbV		100
42) Heptane	11.81	43	179779	8.60	ppbV		100
43) Dichloropropene,_cis-1,3-	12.50	75	171086	8.91	ppbV		100
44) Methyl_isobutyl_ketone	12.53	43	209047	9.36	ppbV		100
45) Dichloropropene,_trans-1,3	13.14	75	168667	9.46	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs01.D
Acq On : 15 Dec 06 16:26
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01 02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:29:45 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	111425	8.63 ppbV	100
48) Toluene	13.70	91	380326	8.35 ppbV	99
49) Methyl butyl ketone	14.02	43	196336	9.85 ppbV	100
50) Dibromochloromethane	14.24	129	182180	8.49 ppbV	100
51) Dibromoethane,_1,2-	14.56	107	177514	8.48 ppbV	100
52) Tetrachloroethylene	15.16	166	177023	7.77 ppbV	100
53) Chlorobenzene	16.08	112	289889	8.70 ppbV	99
54) Ethylbenzene	16.59	91	478467	9.25 ppbV	100
55) Xylene,_m_&_p-	16.86	91	795441	9.15 ppbV	99
56) Bromoform	16.96	93	40344	8.60 ppbV	100
57) Styrene	17.37	104	300175	8.96 ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	301716	8.58 ppbV	100
59) Xylene,_o-	17.53	91	421646	8.68 ppbV	99
61) Cumene	18.40	105	70359	8.45 ppbV	100
62) Chlorotoluene,_2-	19.16	91	36818	9.53 ppbV	100
63) Ethyltoluene,_4-	19.47	105	518931	9.13 ppbV	100
64) Trimethylbenzene,_1,3,5-	19.60	105	453931	8.92 ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	436386	9.00 ppbV	100
66) Benzyl chloride	20.53	91	421036	9.39 ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	309376	7.91 ppbV	99
68) Dichlorobenzene,_1,4-	20.66	146	293520	8.12 ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	259657	7.95 ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	135382	7.48 ppbV	100
71) Hexachlorobutadiene	23.74	190	65018	7.45 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Internal Standard Area Summary

Lab File ID (Standard): 1214DCS Date Analyzed: 12/14/06

			BROMOCHLOROMETHANE				1,4-DIFLUOROBENZENE				CHLOROBENZENE-D5			
			Area #		RT		Area #		RT		Area #		RT	
24 HOUR STD			54390		8.59		254612		10.68		249882		16.02	
UPPER LIMIT			76146		8.92		356456		11.01		349834		16.35	
LOWER LIMIT			32634		8.26		152767		10.35		149929		15.69	
PAL ID	Data File	DF	Area #	% Diff	RT	Diff (min)	Area #	% Diff	RT	Diff (min)	Area #	% Diff	RT	Diff (min)
60695-02	121403	1	47016	-13.56	8.61	0.02	236065	-7.28	10.68	0.00	229293	-8.24	16.02	0.00
60695-03	121404	1	52162	-4.10	8.58	-0.01	265977	4.46	10.67	-0.01	248523	-0.54	16.01	-0.01
60695-04	121405	1	51826	-4.71	8.58	-0.01	258452	1.51	10.67	-0.01	241862	-3.21	16.01	-0.01
60695-05	121406	1	48076	-11.61	8.58	-0.01	264833	4.01	10.67	-0.01	244598	-2.11	16.01	-0.01

Difference of Internal Area must be within +/- 40%; Retention Times must be within +/- 0.33 minute.

* Values outside of QC limits

Internal Standard Area Summary

Lab File ID (Standard): 1215DCS

Date Analyzed: 12/15/06

			BROMOCHLOROMETHANE				1,4-DIFLUOROBENZENE				CHLOROBENZENE-D5			
			Area #		RT		Area #		RT		Area #		RT	
24 HOUR STD			65881		8.60		301719		10.68		286120		16.02	
UPPER LIMIT			92233		8.93		422406		11.01		400568		16.35	
LOWER LIMIT			39528		8.27		181031		10.35		171672		15.69	
PAL ID	Data File	DF	Area #	% Diff	RT	Diff (min)	Area #	% Diff	RT	Diff (min)	Area #	% Diff	RT	Diff (min)
60695-01	121502	1	59884	-9.10	8.61	0.01	294354	-2.44	10.68	0.00	290161	1.41	16.01	-0.01
60695-02	121503	25	63390	-3.78	8.58	-0.02	306595	1.62	10.67	-0.01	281262	-1.70	16.01	-0.01
60695-06	121507	1	61390	-6.82	8.57	-0.03	316968	5.05	10.66	-0.02	286914	0.28	16.01	-0.01

Difference of Internal Area must be within +/- 40%; Retention Times must be within +/- 0.33 minute.

* Values outside of QC limits

Section VII: Sample Data Summary

Certificate of Analysis

Summary of Results

Quantitation Reports

Chromatograms

Peak Integration Reports

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Certificate of Analysis

CLIENT INFORMATION

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attention: Ray Kahn

Project#: 26100

LABORATORY INFORMATION

Contact: Dr. Jane Dennison
PAL Job No.: 60695
Date Received: 12/14/06

Sample#:
60695-01, 60695-02, 60695-03, 60695-04, 60695-05, 60695-06

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Your samples will be retained at Princeton Analytical Laboratory for a period of two weeks or as per contract.

Analysis conducted at Princeton Analytical Laboratory, Flemington NJ
ELAP lab number - 11586
NJDEP number - 10003
AIHA number - 100201

Jane Dennison, Ph.D., CIH, J.D.
Laboratory Director

Princeton Analytical
Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/15/06
Data File: 121502
Summa ID: 3061

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:		AQ1			Reporting Limits	
	PAL ID:		60695-01				
Compound	CAS #		ppbv	ug/m3		ppbv	ug/m3
Acetone	67-64-1	E	113	268		0.5	1.2
Benzene	71-43-2		0.71	2.3		0.5	1.6
Bromodichloromethane	75-27-4		ND	ND		0.5	3.4
Bromoethene	593-60-2		ND	ND		0.5	2.2
Bromoform	75-25-2		ND	ND		0.5	5.2
Bromomethane	74-83-9		ND	ND		0.5	1.9
1,3-Butadiene	106-99-0		ND	ND		0.5	1.1
tert-Butyl alcohol	75-65-0		1.3	3.9		0.5	1.5
Carbon disulfide	75-15-0		1.2	3.7		0.5	1.6
Carbon tetrachloride	56-23-5		ND	ND		0.5	3.2
Chlorobenzene	108-90-7		ND	ND		0.5	2.3
Chloroethane	75-00-3		ND	ND		0.5	1.3
Chloroform	67-66-3		ND	ND		0.5	2.4
Chloromethane	74-87-3		ND	ND		0.5	1.0
3-Chloropropene	107-05-1		ND	ND		0.5	1.6
2-Chlorotoluene	95-49-8		ND	ND		0.5	2.6
Cyclohexane	110-82-7		1.3	4.5		0.5	1.7
Dibromochloromethane	124-48-1		ND	ND		0.5	4.3
1,2-Dibromoethane	106-93-4		ND	ND		0.5	3.8
1,2-Dichlorobenzene	95-50-1		0.97	5.8		0.5	3.0
1,3-Dichlorobenzene	541-73-1		0.65	3.9		0.5	3.0
1,4-Dichlorobenzene	106-46-7		11	66		0.5	3.0
Dichlorodifluoromethane	75-71-8		ND	ND		0.5	2.5
1,1-Dichloroethane	75-34-3		ND	ND		0.5	2.0
1,2-Dichloroethane	107-06-2		ND	ND		0.5	2.0
1,1-Dichloroethylene	75-35-4		ND	ND		0.5	2.0
cis-1,2-Dichloroethylene	156-59-2		ND	ND		0.5	2.0
trans-1,2-Dichloroethylene	156-60-5		ND	ND		0.5	2.0
1,2-Dichloropropane	78-87-5		ND	ND		0.5	2.3
cis-1,3-Dichloropropene	10061-01-5		ND	ND		0.5	2.3
trans-1,3-Dichloropropene	10061-02-6		ND	ND		0.5	2.3
Dichlorotetrafluoroethane	76-14-2		ND	ND		0.5	3.5
Ethylbenzene	100-41-4		2.5	11		0.5	2.2
4-Ethyltoluene	622-96-8		1.3	6.4		0.5	2.5
Heptane	142-82-5		3.9	16		0.5	2.1
Hexachlorobutadiene	87-68-3		ND	ND		0.5	5.3
Hexane	110-54-3		6.1	22		0.5	1.8
Methyl ethyl ketone	78-93-3		26	77		0.5	1.5
Methyl isobutyl ketone	108-10-1		0.51	2.1		0.5	2.1
Methylene chloride	75-09-2		22	76		0.5	1.7
Methyl-t-butyl ether	1634-04-4		ND	ND		0.5	1.8
Styrene	100-42-5		ND	ND		0.5	2.1
1,1,2,2-Tetrachloroethane	79-34-5		ND	ND		0.5	3.4
Tetrachloroethylene	127-18-4		ND	ND		0.5	3.4
Toluene	108-88-3		27	102		0.5	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	ND		0.5	3.8
1,2,4-Trichlorobenzene	120-82-1		ND	ND		0.5	3.7
1,1,1-Trichloroethane	71-55-6		ND	ND		0.5	2.7
1,1,2-Trichloroethane	79-00-5		ND	ND		0.5	2.7
Trichloroethylene	79-01-6		ND	ND		0.5	2.7
Trichlorofluoromethane	75-69-4		ND	ND		0.5	2.8
1,2,4-Trimethylbenzene	95-63-6		5.7	28		0.5	2.5
1,3,5-Trimethylbenzene	108-67-8		1.4	6.9		0.5	2.5
2,2,4-Trimethylpentane	540-84-1		0.92	4.3		0.5	2.3
Vinyl chloride	75-01-4		ND	ND		0.5	1.3
m or p-Xylene	1330-20-7		3.9	17		0.5	2.2
o-Xylene	95-47-6		ND	ND		0.5	2.2

E = Estimate above calibration curve.

Princeton Analytical

Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/15/06
Data File: 121403, 121503
Summa ID: 3003

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:		AQ2		Reporting Limits	
	PAL ID:		60695-02			
Compound	CAS #		ppbv	ug/m3	ppbv	ug/m3
Acetone	67-64-1	D	194	466	0.50	1.2
Benzene	71-43-2		0.99	3.2	0.50	1.6
Bromodichloromethane	75-27-4		ND	ND	0.50	3.4
Bromoethene	593-60-2		ND	ND	0.50	2.2
Bromoform	75-25-2		ND	ND	0.50	5.2
Bromomethane	74-83-9		ND	ND	0.50	1.9
1,3-Butadiene	106-99-0		ND	ND	0.50	1.1
tert-Butyl alcohol	75-65-0		1.8	5.5	0.50	1.5
Carbon disulfide	75-15-0		2.0	6.3	0.50	1.6
Carbon tetrachloride	56-23-5		ND	ND	0.50	3.2
Chlorobenzene	108-90-7		ND	ND	0.50	2.3
Chloroethane	75-00-3		ND	ND	0.50	1.3
Chloroform	67-66-3		ND	ND	0.50	2.4
Chloromethane	74-87-3		0.56	1.2	0.50	1.0
3-Chloropropene	107-05-1		ND	ND	0.50	1.6
2-Chlorotoluene	95-49-8		ND	ND	0.50	2.6
Cyclohexane	110-82-7		1.6	5.5	0.50	1.7
Dibromochloromethane	124-48-1		ND	ND	0.50	4.3
1,2-Dibromoethane	106-93-4		ND	ND	0.50	3.8
1,2-Dichlorobenzene	95-50-1		1.2	7.2	0.50	3.0
1,3-Dichlorobenzene	541-73-1		0.78	4.7	0.50	3.0
1,4-Dichlorobenzene	106-46-7		24	147	0.50	3.0
Dichlorodifluoromethane	75-71-8		ND	ND	0.50	2.5
1,1-Dichloroethane	75-34-3		ND	ND	0.50	2.0
1,2-Dichloroethane	107-06-2		ND	ND	0.50	2.0
1,1-Dichloroethylene	75-35-4		ND	ND	0.50	2.0
cis-1,2-Dichloroethylene	156-59-2		ND	ND	0.50	2.0
trans-1,2-Dichloroethylene	156-60-5		ND	ND	0.50	2.0
1,2-Dichloropropane	78-87-5		ND	ND	0.50	2.3
cis-1,3-Dichloropropene	10061-01-5		ND	ND	0.50	2.3
trans-1,3-Dichloropropene	10061-02-6		ND	ND	0.50	2.3
Dichlorotetrafluoroethane	76-14-2		ND	ND	0.50	3.5
Ethylbenzene	100-41-4		4.1	18	0.50	2.2
4-Ethyltoluene	622-96-8		1.9	9.4	0.50	2.5
Heptane	142-82-5		7.3	30	0.50	2.1
Hexachlorobutadiene	87-68-3		ND	ND	0.50	5.3
Hexane	110-54-3		9.2	32	0.50	1.8
Methyl ethyl ketone	78-93-3	D	31	93	0.50	1.5
Methyl isobutyl ketone	108-10-1		1.1	4.6	0.50	2.1
Methylene chloride	75-09-2		19	66	0.50	1.7
Methyl-t-butyl ether	1634-04-4		ND	ND	0.50	1.8
Styrene	100-42-5		ND	ND	0.50	2.1
1,1,2,2-Tetrachloroethane	79-34-5		ND	ND	0.50	3.4
Tetrachloroethylene	127-18-4		ND	ND	0.50	3.4
Toluene	108-88-3	D	28	106	0.50	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	ND	0.50	3.8
1,2,4-Trichlorobenzene	120-82-1		ND	ND	0.50	3.7
1,1,1-Trichloroethane	71-55-6		ND	ND	0.50	2.7
1,1,2-Trichloroethane	79-00-5		ND	ND	0.50	2.7
Trichloroethylene	79-01-6		ND	ND	0.50	2.7
Trichlorofluoromethane	75-69-4		ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6		6.7	33	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8		1.7	8.4	0.50	2.5
2,2,4-Trimethylpentane	540-84-1		1.5	6.9	0.50	2.3
Vinyl chloride	75-01-4		ND	ND	0.50	1.3
m or p-Xylene	1330-20-7		6.2	27	0.50	2.2
o-Xylene	95-47-6		2.8	12	0.50	2.2

E = Estimate above calibration curve.

0054

D = Extra dilution required for this compound

Analyst: J. Schmitt

Princeton Analytical

Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/14/06
Data File: 121404
Summa ID: 2157

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:	AQ3		Reporting Limits	
	PAL ID:	60695-03			
Compound	CAS #	ppbv	ug/m3	ppbv	ug/m3
Acetone	67-64-1	19	45	0.50	1.2
Benzene	71-43-2	0.90	2.9	0.50	1.6
Bromodichloromethane	75-27-4	ND	ND	0.50	3.4
Bromoethene	593-60-2	ND	ND	0.50	2.2
Bromoform	75-25-2	ND	ND	0.50	5.2
Bromomethane	74-83-9	ND	ND	0.50	1.9
1,3-Butadiene	106-99-0	ND	ND	0.50	1.1
tert-Butyl alcohol	75-65-0	ND	ND	0.50	1.5
Carbon disulfide	75-15-0	ND	ND	0.50	1.6
Carbon tetrachloride	56-23-5	ND	ND	0.50	3.2
Chlorobenzene	108-90-7	ND	ND	0.50	2.3
Chloroethane	75-00-3	ND	ND	0.50	1.3
Chloroform	67-66-3	0.68	3.3	0.50	2.4
Chloromethane	74-87-3	ND	ND	0.50	1.0
3-Chloropropene	107-05-1	ND	ND	0.50	1.6
2-Chlorotoluene	95-49-8	ND	ND	0.50	2.6
Cyclohexane	110-82-7	0.57	2.0	0.50	1.7
Dibromochloromethane	124-48-1	ND	ND	0.50	4.3
1,2-Dibromoethane	106-93-4	ND	ND	0.50	3.8
1,2-Dichlorobenzene	95-50-1	ND	ND	0.50	3.0
1,3-Dichlorobenzene	541-73-1	ND	ND	0.50	3.0
1,4-Dichlorobenzene	106-46-7	ND	ND	0.50	3.0
Dichlorodifluoromethane	75-71-8	ND	ND	0.50	2.5
1,1-Dichloroethane	75-34-3	ND	ND	0.50	2.0
1,2-Dichloroethane	107-06-2	ND	ND	0.50	2.0
1,1-Dichloroethylene	75-35-4	ND	ND	0.50	2.0
cis-1,2-Dichloroethylene	156-59-2	ND	ND	0.50	2.0
trans-1,2-Dichloroethylene	156-60-5	ND	ND	0.50	2.0
1,2-Dichloropropane	78-87-5	ND	ND	0.50	2.3
cis-1,3-Dichloropropene	10061-01-5	ND	ND	0.50	2.3
trans-1,3-Dichloropropene	10061-02-6	ND	ND	0.50	2.3
Dichlorotetrafluoroethane	76-14-2	ND	ND	0.50	3.5
Ethylbenzene	100-41-4	0.53	2.3	0.50	2.2
4-Ethyltoluene	622-96-8	ND	ND	0.50	2.5
Heptane	142-82-5	0.55	2.3	0.50	2.1
Hexachlorobutadiene	87-68-3	ND	ND	0.50	5.3
Hexane	110-54-3	3.4	12	0.50	1.8
Methyl ethyl ketone	78-93-3	4.4	13	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	1.1	3.9	0.50	1.7
Methyl-t-butyl ether	1634-04-4	ND	ND	0.50	1.8
Styrene	100-42-5	ND	ND	0.50	2.1
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.50	3.4
Tetrachloroethylene	127-18-4	ND	ND	0.50	3.4
Toluene	108-88-3	3.8	14	0.50	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.50	3.8
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.50	3.7
1,1,1-Trichloroethane	71-55-6	ND	ND	0.50	2.7
1,1,2-Trichloroethane	79-00-5	ND	ND	0.50	2.7
Trichloroethylene	79-01-6	ND	ND	0.50	2.7
Trichlorofluoromethane	75-69-4	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	0.52	2.6	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	ND	ND	0.50	2.5
2,2,4-Trimethylpentane	540-84-1	0.57	2.7	0.50	2.3
Vinyl chloride	75-01-4	ND	ND	0.50	1.3
m or p-Xylene	1330-20-7	0.79	3.4	0.50	2.2
o-Xylene	95-47-6	ND	ND	0.50	2.2

0055

D = Extra dilution required for this compound

Analyst: J. Schmitt

Princeton Analytical

Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/14/06
Data File: 121405
Summa ID: 3044

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:	AQ4		Reporting Limits	
	PAL ID:	60695-04			
Compound	CAS #	ppbv	ug/m3	ppbv	ug/m3
Acetone	67-64-1	23	55	0.50	1.2
Benzene	71-43-2	1.3	4.0	0.50	1.6
Bromodichloromethane	75-27-4	ND	ND	0.50	3.4
Bromoethene	593-60-2	ND	ND	0.50	2.2
Bromoform	75-25-2	ND	ND	0.50	5.2
Bromomethane	74-83-9	ND	ND	0.50	1.9
1,3-Butadiene	106-99-0	ND	ND	0.50	1.1
tert-Butyl alcohol	75-65-0	ND	ND	0.50	1.5
Carbon disulfide	75-15-0	ND	ND	0.50	1.6
Carbon tetrachloride	56-23-5	ND	ND	0.50	3.2
Chlorobenzene	108-90-7	ND	ND	0.50	2.3
Chloroethane	75-00-3	ND	ND	0.50	1.3
Chloroform	67-66-3	0.93	4.5	0.50	2.4
Chloromethane	74-87-3	ND	ND	0.50	1.0
3-Chloropropene	107-05-1	ND	ND	0.50	1.6
2-Chlorotoluene	95-49-8	ND	ND	0.50	2.6
Cyclohexane	110-82-7	2.0	6.9	0.50	1.7
Dibromochloromethane	124-48-1	ND	ND	0.50	4.3
1,2-Dibromoethane	106-93-4	ND	ND	0.50	3.8
1,2-Dichlorobenzene	95-50-1	ND	ND	0.50	3.0
1,3-Dichlorobenzene	541-73-1	ND	ND	0.50	3.0
1,4-Dichlorobenzene	106-46-7	ND	ND	0.50	3.0
Dichlorodifluoromethane	75-71-8	0.67	3.3	0.50	2.5
1,1-Dichloroethane	75-34-3	ND	ND	0.50	2.0
1,2-Dichloroethane	107-06-2	ND	ND	0.50	2.0
1,1-Dichloroethylene	75-35-4	ND	ND	0.50	2.0
cis-1,2-Dichloroethylene	156-59-2	ND	ND	0.50	2.0
trans-1,2-Dichloroethylene	156-60-5	ND	ND	0.50	2.0
1,2-Dichloropropane	78-87-5	ND	ND	0.50	2.3
cis-1,3-Dichloropropene	10061-01-5	ND	ND	0.50	2.3
trans-1,3-Dichloropropene	10061-02-6	ND	ND	0.50	2.3
Dichlorotetrafluoroethane	76-14-2	ND	ND	0.50	3.5
Ethylbenzene	100-41-4	0.78	3.4	0.50	2.2
4-Ethyltoluene	622-96-8	ND	ND	0.50	2.5
Heptane	142-82-5	1.7	6.9	0.50	2.1
Hexachlorobutadiene	87-68-3	ND	ND	0.50	5.3
Hexane	110-54-3	5.3	19	0.50	1.8
Methyl ethyl ketone	78-93-3	5.9	18	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	ND	ND	0.50	1.7
Methyl-t-butyl ether	1634-04-4	ND	ND	0.50	1.8
Styrene	100-42-5	ND	ND	0.50	2.1
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.50	3.4
Tetrachloroethylene	127-18-4	ND	ND	0.50	3.4
Toluene	108-88-3	5.2	20	0.50	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.50	3.8
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.50	3.7
1,1,1-Trichloroethane	71-55-6	0.58	3.2	0.50	2.7
1,1,2-Trichloroethane	79-00-5	ND	ND	0.50	2.7
Trichloroethylene	79-01-6	ND	ND	0.50	2.7
Trichlorofluoromethane	75-69-4	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	0.83	4.1	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	ND	ND	0.50	2.5
2,2,4-Trimethylpentane	540-84-1	0.64	3.0	0.50	2.3
Vinyl chloride	75-01-4	ND	ND	0.50	1.3
m or p-Xylene	1330-20-7	1.2	5.1	0.50	2.2
o-Xylene	95-47-6	0.74	3.2	0.50	2.2

0056

D = Extra dilution required for this compound

Analyst: J. Schmitt

Princeton Analytical
Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/14/06
Data File: 121406
Summa ID: 3045

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:	AQ-BG		Reporting Limits	
	PAL ID:	60695-05			
Compound	CAS #	ppbv	ug/m3	ppbv	ug/m3
Acetone	67-64-1	8.2	19	0.50	1.2
Benzene	71-43-2	ND	ND	0.50	1.6
Bromodichloromethane	75-27-4	ND	ND	0.50	3.4
Bromoethene	593-60-2	ND	ND	0.50	2.2
Bromoform	75-25-2	ND	ND	0.50	5.2
Bromomethane	74-83-9	ND	ND	0.50	1.9
1,3-Butadiene	106-99-0	ND	ND	0.50	1.1
tert-Butyl alcohol	75-65-0	ND	ND	0.50	1.5
Carbon disulfide	75-15-0	ND	ND	0.50	1.6
Carbon tetrachloride	56-23-5	ND	ND	0.50	3.2
Chlorobenzene	108-90-7	ND	ND	0.50	2.3
Chloroethane	75-00-3	ND	ND	0.50	1.3
Chloroform	67-66-3	ND	ND	0.50	2.4
Chloromethane	74-87-3	ND	ND	0.50	1.0
3-Chloropropene	107-05-1	ND	ND	0.50	1.6
2-Chlorotoluene	95-49-8	ND	ND	0.50	2.6
Cyclohexane	110-82-7	ND	ND	0.50	1.7
Dibromochloromethane	124-48-1	ND	ND	0.50	4.3
1,2-Dibromoethane	106-93-4	ND	ND	0.50	3.8
1,2-Dichlorobenzene	95-50-1	ND	ND	0.50	3.0
1,3-Dichlorobenzene	541-73-1	ND	ND	0.50	3.0
1,4-Dichlorobenzene	106-46-7	0.54	3.3	0.50	3.0
Dichlorodifluoromethane	75-71-8	ND	ND	0.50	2.5
1,1-Dichloroethane	75-34-3	ND	ND	0.50	2.0
1,2-Dichloroethane	107-06-2	ND	ND	0.50	2.0
1,1-Dichloroethylene	75-35-4	ND	ND	0.50	2.0
cis-1,2-Dichloroethylene	156-59-2	ND	ND	0.50	2.0
trans-1,2-Dichloroethylene	156-60-5	ND	ND	0.50	2.0
1,2-Dichloropropane	78-87-5	ND	ND	0.50	2.3
cis-1,3-Dichloropropene	10061-01-5	ND	ND	0.50	2.3
trans-1,3-Dichloropropene	10061-02-6	ND	ND	0.50	2.3
Dichlorotetrafluoroethane	76-14-2	ND	ND	0.50	3.5
Ethylbenzene	100-41-4	ND	ND	0.50	2.2
4-Ethyltoluene	622-96-8	ND	ND	0.50	2.5
Heptane	142-82-5	ND	ND	0.50	2.1
Hexachlorobutadiene	87-68-3	ND	ND	0.50	5.3
Hexane	110-54-3	2.4	8.6	0.50	1.8
Methyl ethyl ketone	78-93-3	4.7	14	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	0.69	2.4	0.50	1.7
Methyl-t-butyl ether	1634-04-4	ND	ND	0.50	1.8
Styrene	100-42-5	ND	ND	0.50	2.1
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.50	3.4
Tetrachloroethylene	127-18-4	0.54	3.7	0.50	3.4
Toluene	108-88-3	3.0	11	0.50	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.50	3.8
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.50	3.7
1,1,1-Trichloroethane	71-55-6	ND	ND	0.50	2.7
1,1,2-Trichloroethane	79-00-5	ND	ND	0.50	2.7
Trichloroethylene	79-01-6	ND	ND	0.50	2.7
Trichlorofluoromethane	75-69-4	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	0.56	2.8	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	ND	ND	0.50	2.5
2,2,4-Trimethylpentane	540-84-1	ND	ND	0.50	2.3
Vinyl chloride	75-01-4	ND	ND	0.50	1.3
m or p-Xylene	1330-20-7	0.74	3.2	0.50	2.2
o-Xylene	95-47-6	ND	ND	0.50	2.2

0057

D = Extra dilution required for this compound

Analyst: J. Schmitt

Princeton Analytical

Summary of Results

ESPL Environmental Consultants Corporation
106 West 32nd Street
New York, NY 10001
Attn: Ray Kahn
Project: 26100
Site: NA

Report Date: 12/15/06
Job Number: 60695
Date Received: 12/14/06
Date Analyzed: 12/15/06
Data File: 121507
Summa ID: 3054

Analysis: Volatile Organic Compounds by EPA Method TO-15m

	Sample Name:	AQ-5		Reporting Limits	
	PAL ID:	60695-06			
Compound	CAS #	ppbv	ug/m3	ppbv	ug/m3
Acetone	67-64-1	9.9	24	0.5	1.2
Benzene	71-43-2	ND	ND	0.5	1.6
Bromodichloromethane	75-27-4	ND	ND	0.5	3.4
Bromoethene	593-60-2	ND	ND	0.5	2.2
Bromoform	75-25-2	ND	ND	0.5	5.2
Bromomethane	74-83-9	ND	ND	0.5	1.9
1,3-Butadiene	106-99-0	ND	ND	0.5	1.1
tert-Butyl alcohol	75-65-0	ND	ND	0.5	1.5
Carbon disulfide	75-15-0	ND	ND	0.5	1.6
Carbon tetrachloride	56-23-5	ND	ND	0.5	3.2
Chlorobenzene	108-90-7	ND	ND	0.5	2.3
Chloroethane	75-00-3	ND	ND	0.5	1.3
Chloroform	67-66-3	ND	ND	0.5	2.4
Chloromethane	74-87-3	ND	ND	0.5	1.0
3-Chloropropene	107-05-1	ND	ND	0.5	1.6
2-Chlorotoluene	95-49-8	0.71	3.7	0.5	2.6
Cyclohexane	110-82-7	ND	ND	0.5	1.7
Dibromochloromethane	124-48-1	ND	ND	0.5	4.3
1,2-Dibromoethane	106-93-4	ND	ND	0.5	3.8
1,2-Dichlorobenzene	95-50-1	ND	ND	0.5	3.0
1,3-Dichlorobenzene	541-73-1	ND	ND	0.5	3.0
1,4-Dichlorobenzene	106-46-7	ND	ND	0.5	3.0
Dichlorodifluoromethane	75-71-8	ND	ND	0.5	2.5
1,1-Dichloroethane	75-34-3	ND	ND	0.5	2.0
1,2-Dichloroethane	107-06-2	ND	ND	0.5	2.0
1,1-Dichloroethylene	75-35-4	ND	ND	0.5	2.0
cis-1,2-Dichloroethylene	156-59-2	ND	ND	0.5	2.0
trans-1,2-Dichloroethylene	156-60-5	ND	ND	0.5	2.0
1,2-Dichloropropane	78-87-5	ND	ND	0.5	2.3
cis-1,3-Dichloropropene	10061-01-5	ND	ND	0.5	2.3
trans-1,3-Dichloropropene	10061-02-6	ND	ND	0.5	2.3
Dichlorotetrafluoroethane	76-14-2	ND	ND	0.5	3.5
Ethylbenzene	100-41-4	ND	ND	0.5	2.2
4-Ethyltoluene	622-96-8	ND	ND	0.5	2.5
Heptane	142-82-5	ND	ND	0.5	2.1
Hexachlorobutadiene	87-68-3	ND	ND	0.5	5.3
Hexane	110-54-3	ND	ND	0.5	1.8
Methyl ethyl ketone	78-93-3	0.73	2.2	0.5	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.5	2.1
Methylene chloride	75-09-2	1.5	5.2	0.5	1.7
Methyl-t-butyl ether	1634-04-4	ND	ND	0.5	1.8
Styrene	100-42-5	ND	ND	0.5	2.1
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.5	3.4
Tetrachloroethylene	127-18-4	ND	ND	0.5	3.4
Toluene	108-88-3	5.0	19	0.5	1.9
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.5	3.8
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.5	3.7
1,1,1-Trichloroethane	71-55-6	ND	ND	0.5	2.7
1,1,2-Trichloroethane	79-00-5	ND	ND	0.5	2.7
Trichloroethylene	79-01-6	ND	ND	0.5	2.7
Trichlorofluoromethane	75-69-4	ND	ND	0.5	2.8
1,2,4-Trimethylbenzene	95-63-6	ND	ND	0.5	2.5
1,3,5-Trimethylbenzene	108-67-8	ND	ND	0.5	2.5
2,2,4-Trimethylpentane	540-84-1	ND	ND	0.5	2.3
Vinyl chloride	75-01-4	ND	ND	0.5	1.3
m or p-Xylene	1330-20-7	ND	ND	0.5	2.2
o-Xylene	95-47-6	ND	ND	0.5	2.2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121502.D
Acq On : 15 Dec 06 18:29
Operator : .
Sample : 60695-01.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 11:52:52 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	59884	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.68	114	294354	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.01	117	290161	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	196870	9.25	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.50%			
Target Compounds						Qvalue
12) Acetone	5.52	43	1106048	112.53	ppbV #	99
16) Butyl_Alcohol,_tert	6.40	59	7113	1.34	ppbV	100
17) Methylene_chloride	6.43	49	193746	21.81	ppbV	100
20) Carbon_disulfide	6.70	76	25260	1.18	ppbV	100
25) Methyl_ethyl_ketone	7.95	43	360627	26.19	ppbV	100
27) Hexane	8.61	57	85184	6.06	ppbV	99
34) Benzene	10.30	78	22302	0.71	ppbV	100
36) Cyclohexane	10.58	56	21563	1.34	ppbV	100
41) Trimethylpentane,_2,2,4-	11.50	57	20693	0.92	ppbV #	84
42) Heptane	11.81	43	77178	3.93	ppbV	99
44) Methyl_isobutyl_ketone	12.54	43	10730	0.51	ppbV	100
48) Toluene	13.70	91	1183306	26.93	ppbV	100
54) Ethylbenzene	16.59	91	123289	2.47	ppbV	99
55) Xylene,_m_&_p-	16.83	91	322676	3.85	ppbV	99
63) Ethyltoluene,_4-	19.47	105	72246	1.32	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.59	105	66265	1.35	ppbV	100
65) Trimethylbenzene,_1,2,4-	20.30	105	266312	5.69	ppbV	99
67) Dichlorobenzene,_1,3-	20.55	146	24371	0.65	ppbV	100
68) Dichlorobenzene,_1,4-	20.66	146	391414	11.22	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	30587	0.97	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121403.D
Acq On : 14 Dec 06 17:32
Operator : .
Sample : 60695-02.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:42:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	47016	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.68	114	236065	10.00	ppbV		-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	229293	10.00	ppbV		-0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	176156	10.47	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.70%				
Target Compounds							Qvalue
4) Chloromethane	4.07	50	2870	0.56	ppbV	#	93
12) Acetone	5.53	43	2089663	270.78	ppbV	#	96
16) Butyl_Alcohol,_tert	6.40	59	7595	1.82	ppbV		100
17) Methylene_chloride	6.45	49	131962	18.92	ppbV		98
20) Carbon_disulfide	6.69	76	33910	2.02	ppbV		100
25) Methyl_ethyl_ketone	7.96	43	537282	49.71	ppbV		100
27) Hexane	8.61	57	101279	9.18	ppbV		100
34) Benzene	10.30	78	25136	0.99	ppbV		100
36) Cyclohexane	10.59	56	20759	1.60	ppbV		99
41) Trimethylpentane,_2,2,4-	11.51	57	26802	1.48	ppbV	#	84
42) Heptane	11.81	43	115058	7.31	ppbV		98
44) Methyl_isobutyl_ketone	12.53	43	18845	1.12	ppbV		100
48) Toluene	13.71	91	1680279	48.39	ppbV		98
54) Ethylbenzene	16.60	91	159947	4.06	ppbV		99
55) Xylene,_m_&_p-	16.83	91	412419	6.22	ppbV		99
59) Xylene,_o-	17.52	91	103546	2.80	ppbV		99
63) Ethyltoluene,_4-	19.46	105	82595	1.91	ppbV		99
64) Trimethylbenzene,_1,3,5-	19.60	105	65787	1.70	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.30	105	248147	6.71	ppbV		99
67) Dichlorobenzene,_1,3-	20.55	146	23132	0.78	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	672240	24.38	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	29800	1.20	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121503.D
Acq On : 15 Dec 06 19:16
Operator : .
Sample : 60695-02 x 25 dil.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:18:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	63390	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	306595	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	281262	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	194848	9.44	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 94.40%			
Target Compounds						Qvalue
12) Acetone	5.50	43	80739	7.76	ppbV	#84
17) Methylene_chloride	6.41	49	5096	0.54	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	17754	1.22	ppbV	99
48) Toluene	13.70	91	46958	1.10	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121404.D
Acq On : 14 Dec 06 18:18
Operator : .
Sample : 60695-03.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:46:28 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	52162	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	265977	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	248523	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	181027	9.93	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.30%			
Target Compounds						Qvalue
12) Acetone	5.50	43	163037	19.04	ppbV	98
17) Methylene_chloride	6.41	49	8780	1.13	ppbV	100
25) Methyl_ethyl_ketone	7.95	43	52765	4.40	ppbV	100
27) Hexane	8.60	57	41497	3.39	ppbV	99
29) Chloroform	8.72	83	9231	0.68	ppbV	100
34) Benzene	10.28	78	25681	0.90	ppbV	100
36) Cyclohexane	10.58	56	8352	0.57	ppbV	99
41) Trimethylpentane,_2,2,4-	11.50	57	11628	0.57	ppbV	# 12 84
42) Heptane	11.80	43	9772	0.55	ppbV	97
48) Toluene	13.69	91	142898	3.80	ppbV	100
54) Ethylbenzene	16.59	91	22732	0.53	ppbV	99
55) Xylene,_m_&_p-	16.83	91	57027	0.79	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	20674	0.52	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121405.D
Acq On : 14 Dec 06 19:10
Operator : .
Sample : 60695-04.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:58:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	51826	10.00	ppbV		-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	258452	10.00	ppbV		-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	241862	10.00	ppbV		-0.02
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.20	95	179130	10.10	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.00%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.91	85	9013	0.67	ppbV		100
12) Acetone	5.50	43	196666	23.12	ppbV	#	97
25) Methyl_ethyl_ketone	7.95	43	70571	5.92	ppbV		100
27) Hexane	8.61	57	63900	5.26	ppbV		98
29) Chloroform	8.72	83	12568	0.93	ppbV		100
33) Trichloroethane,_1,1,1-	9.77	97	9518	0.58	ppbV		99
34) Benzene	10.28	78	34918	1.26	ppbV		100
36) Cyclohexane	10.58	56	28404	2.01	ppbV		100
41) Trimethylpentane,_2,2,4-	11.51	57	12670	0.64	ppbV	#	84
42) Heptane	11.81	43	29038	1.69	ppbV		99
48) Toluene	13.70	91	190495	5.20	ppbV		100
54) Ethylbenzene	16.60	91	32331	0.78	ppbV		100
55) Xylene,_m_&_p-	16.83	91	82220	1.18	ppbV		99
59) Xylene,_o-	17.52	91	28914	0.74	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.29	105	32291	0.83	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121406.D
Acq On : 14 Dec 06 19:56
Operator : .
Sample : 60695-05.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 10:03:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	48076	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	264833	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	244598	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	177826	9.91	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.10%			
Target Compounds						Qvalue
12) Acetone	5.51	43	64588	8.18	ppbV	# 97
17) Methylene_chloride	6.41	49	4937	0.69	ppbV	98
25) Methyl_ethyl_ketone	7.94	43	52386	4.74	ppbV	100
27) Hexane	8.61	57	27531	2.44	ppbV	99
48) Toluene	13.69	91	109627	2.96	ppbV	100
52) Tetrachloroethylene	15.16	166	10040	0.54	ppbV	99
55) Xylene,_m_&_p-	16.83	91	52320	0.74	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.29	105	21919	0.56	ppbV	99
68) Dichlorobenzene,_1,4-	20.66	146	15944	0.54	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

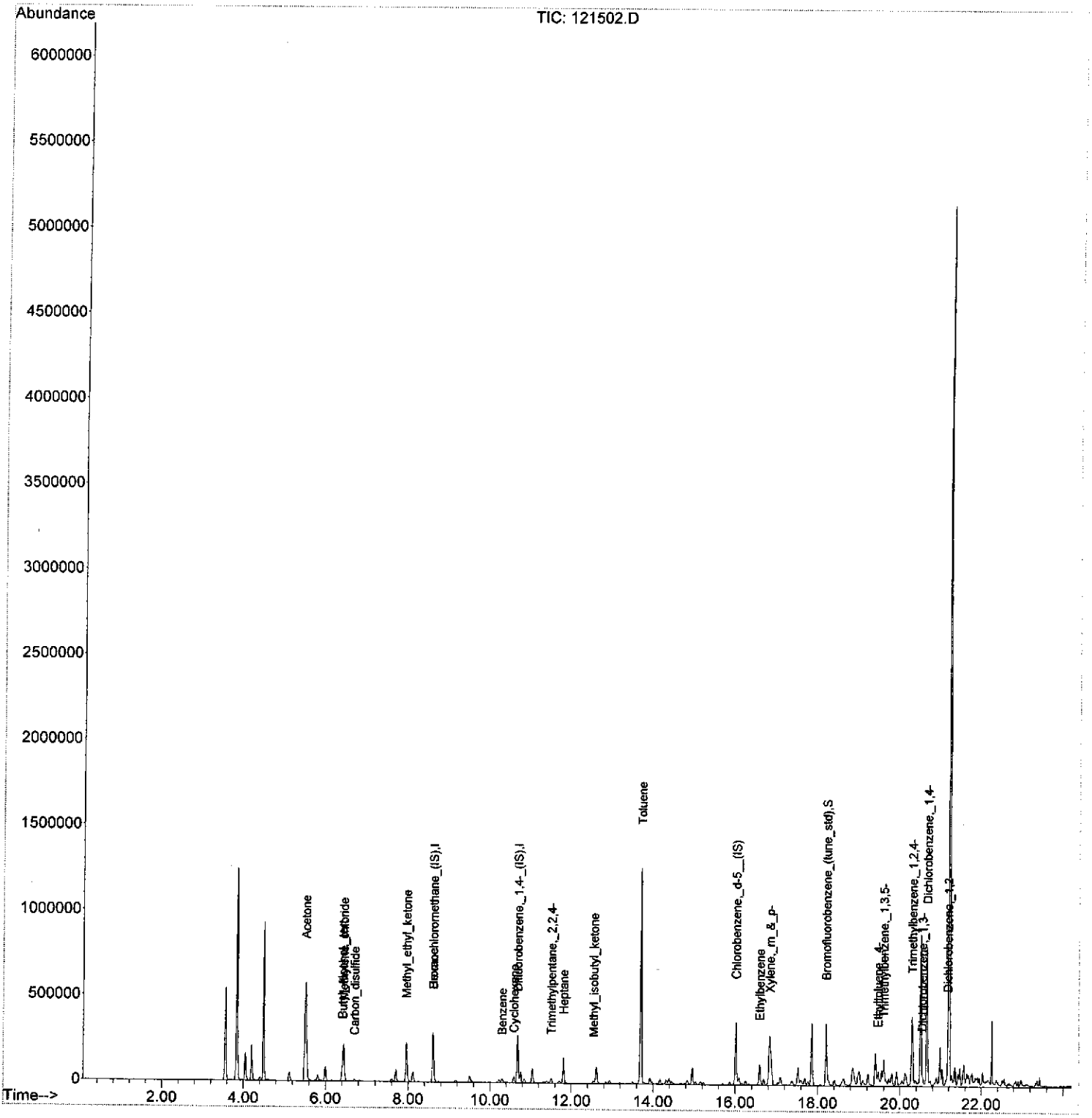
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	61390	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.66	114	316968	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	286914	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	202029	9.60	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 96.00%			
Target Compounds						Qvalue
12) Acetone	5.50	43	99744	9.90	ppbV #	84
17) Methylene_chloride	6.40	49	13503	1.48	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	10299	0.73	ppbV	100
48) Toluene	13.69	91	216538	4.98	ppbV	100
62) Chlorotoluene,_2-	19.22	91	2633	0.71	ppbV #	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121502.D
Acq On : 15 Dec 06 18:29
Operator : .
Sample : 60695-01.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 11:52:52 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

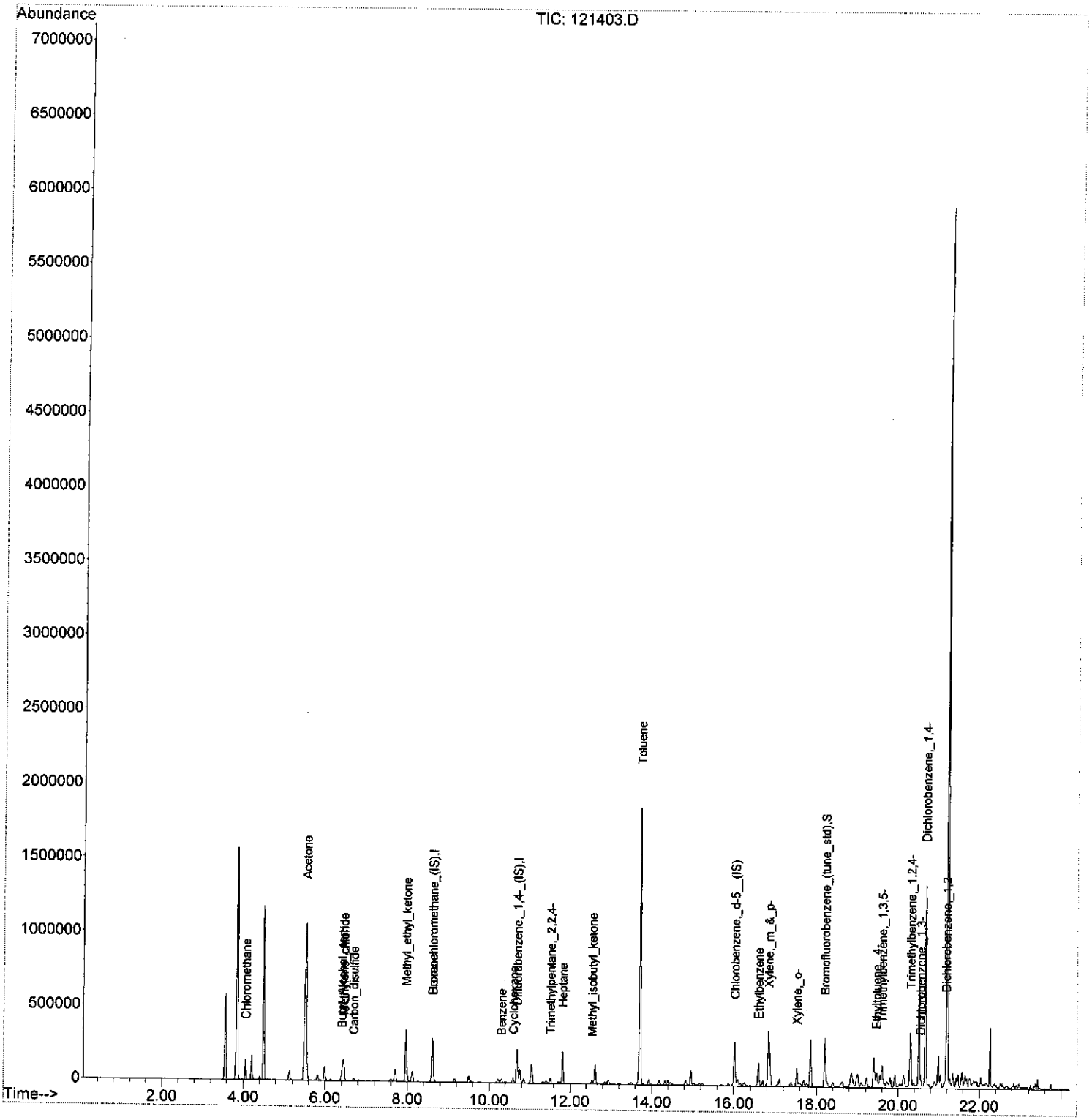


PAL0206.M Tue Feb 13 12:19:44 2007 S1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121403.D
Acq On : 14 Dec 06 17:32
Operator : .
Sample : 60695-02.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

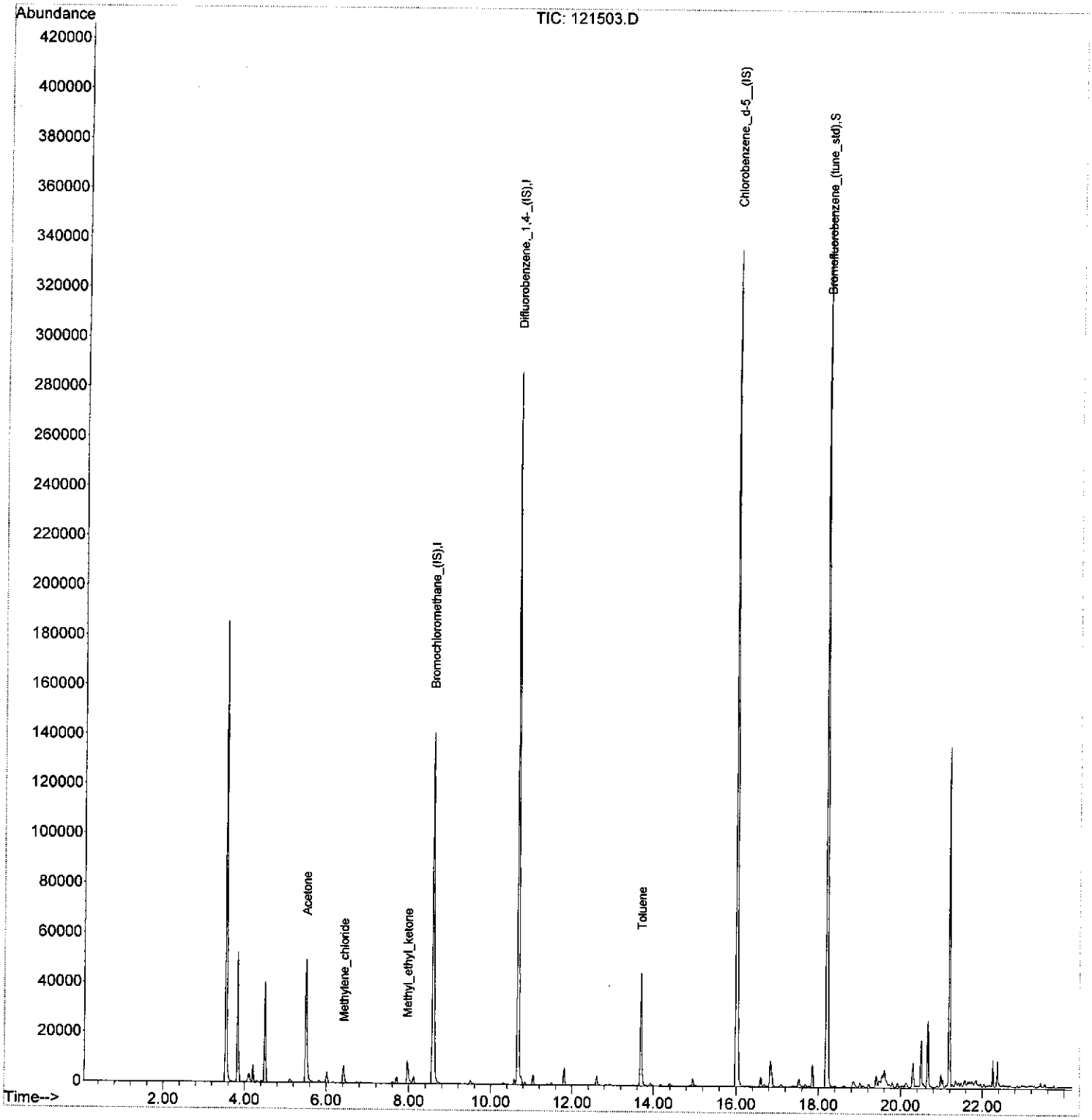
Quant Time: Dec 15 09:42:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121503.D
Acq On : 15 Dec 06 19:16
Operator : .
Sample : 60695-02 x 25 dil.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:18:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

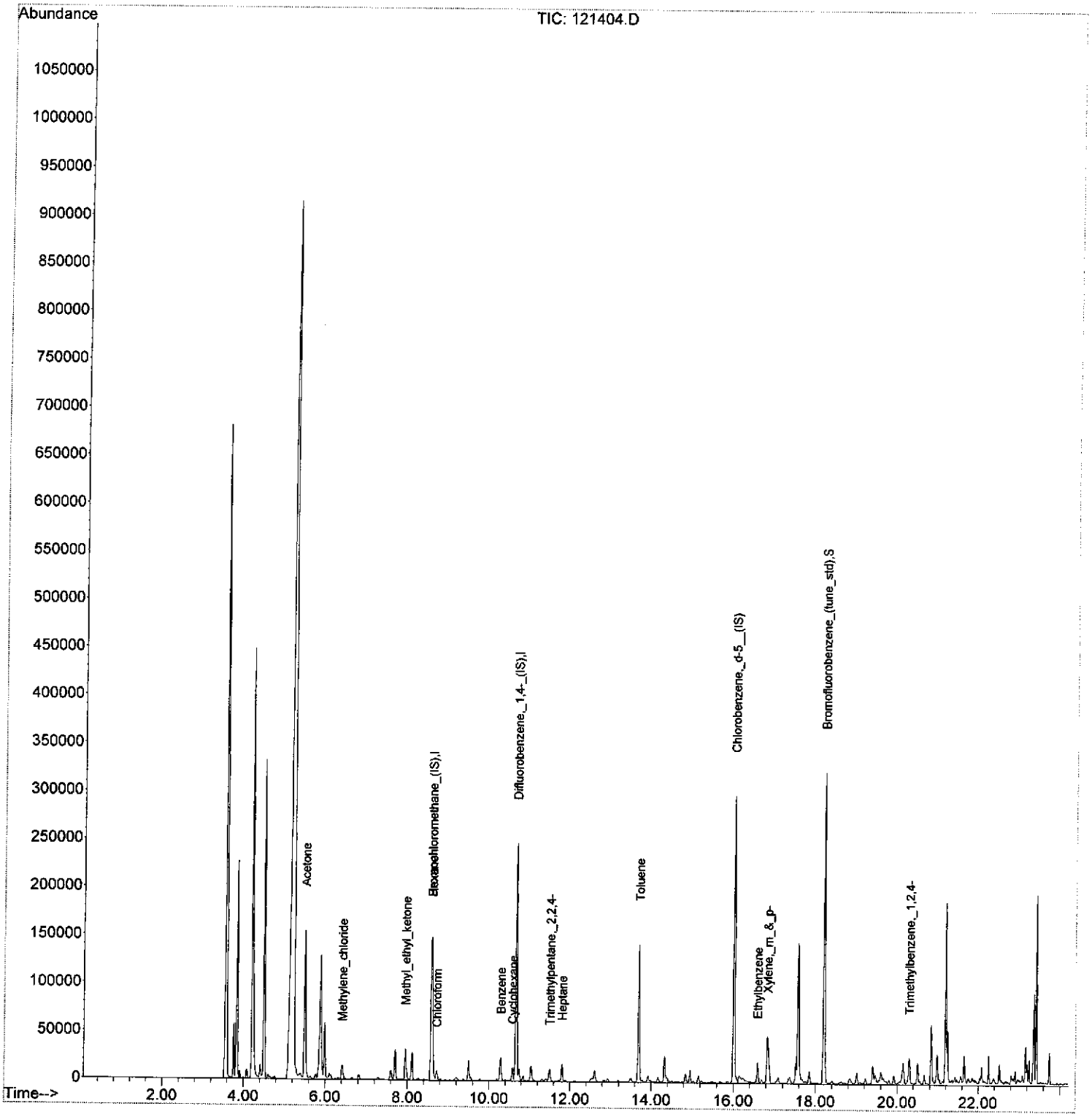


PAL1208.M Mon Dec 18 12:19:28 2006 S1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121404.D
Acq On : 14 Dec 06 18:18
Operator : .
Sample : 60695-03.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:46:28 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

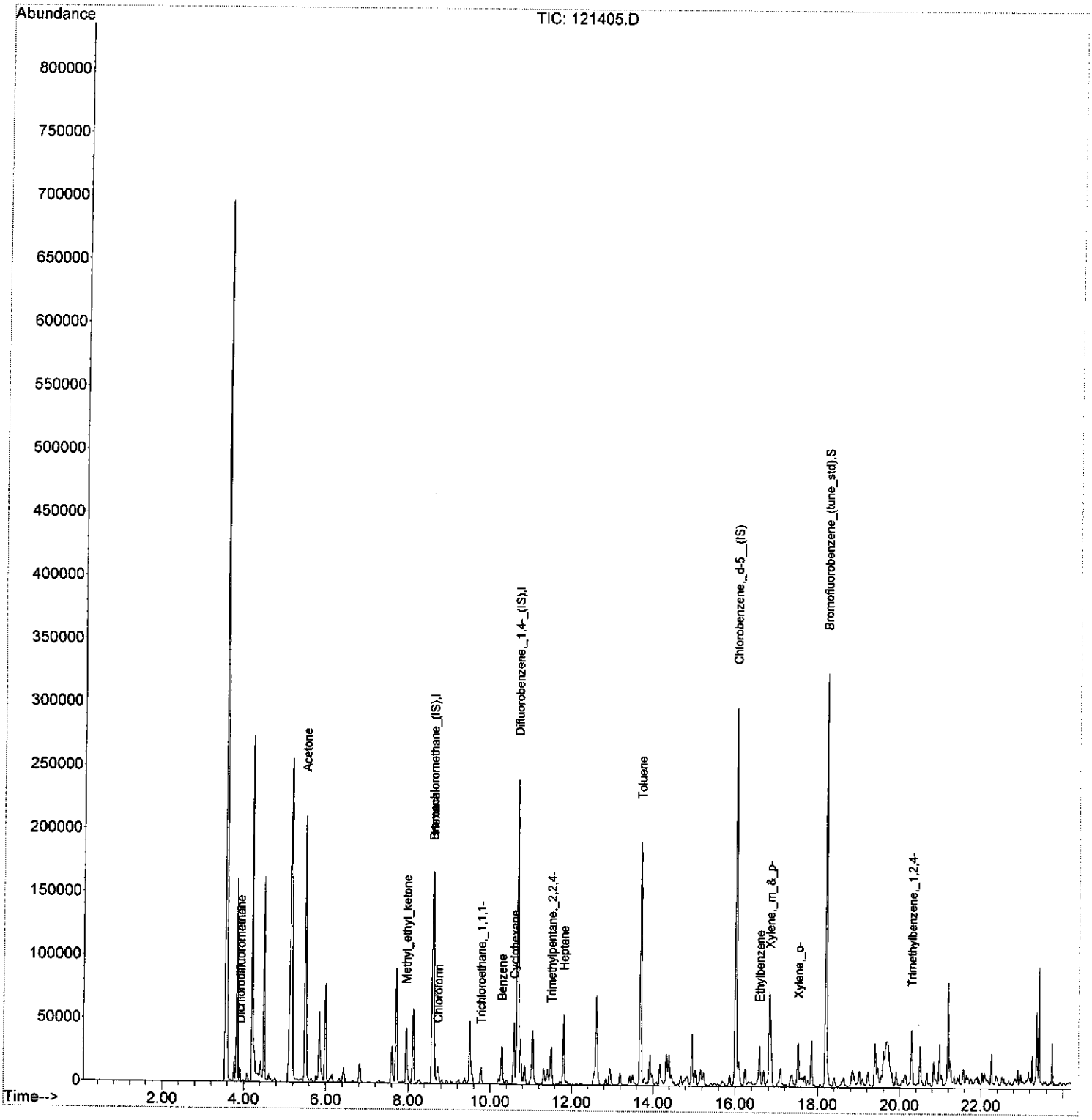


PAL1208.M Fri Dec 15 09:51:15 2006 S1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121405.D
Acq On : 14 Dec 06 19:10
Operator : .
Sample : 60695-04.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

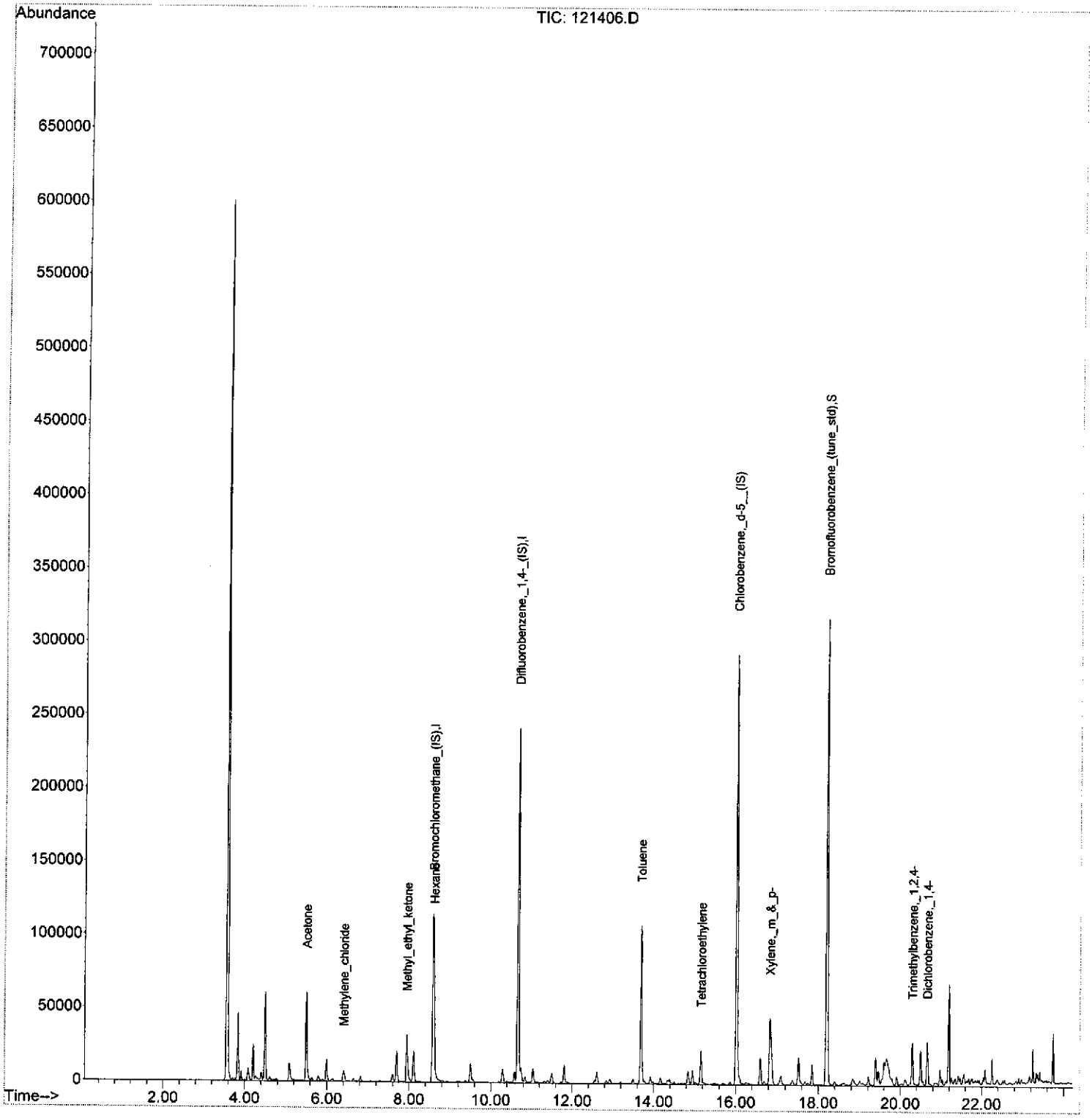
Quant Time: Dec 15 09:58:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121406.D
Acq On : 14 Dec 06 19:56
Operator : .
Sample : 60695-05.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

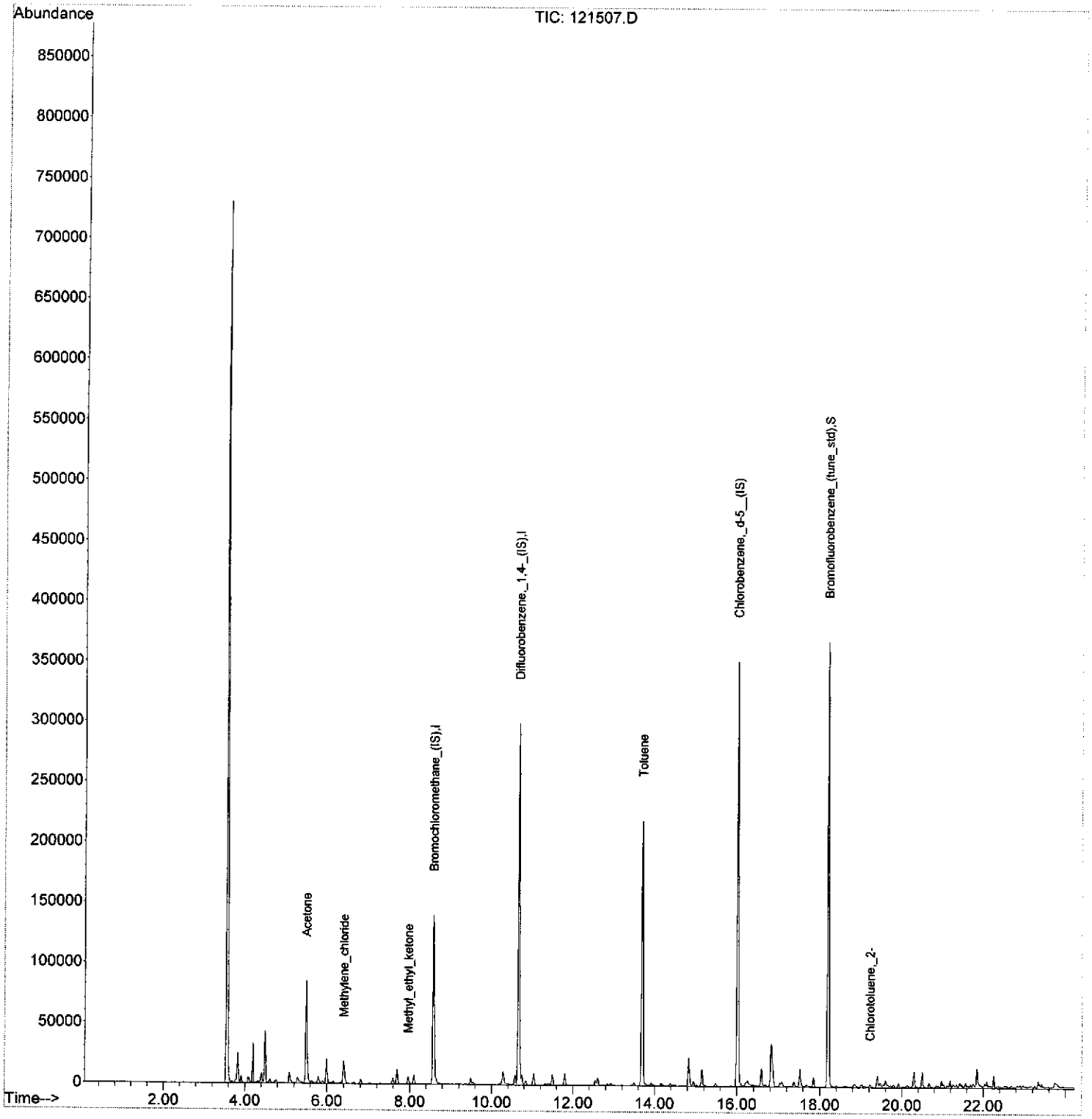
Quant Time: Dec 15 10:03:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

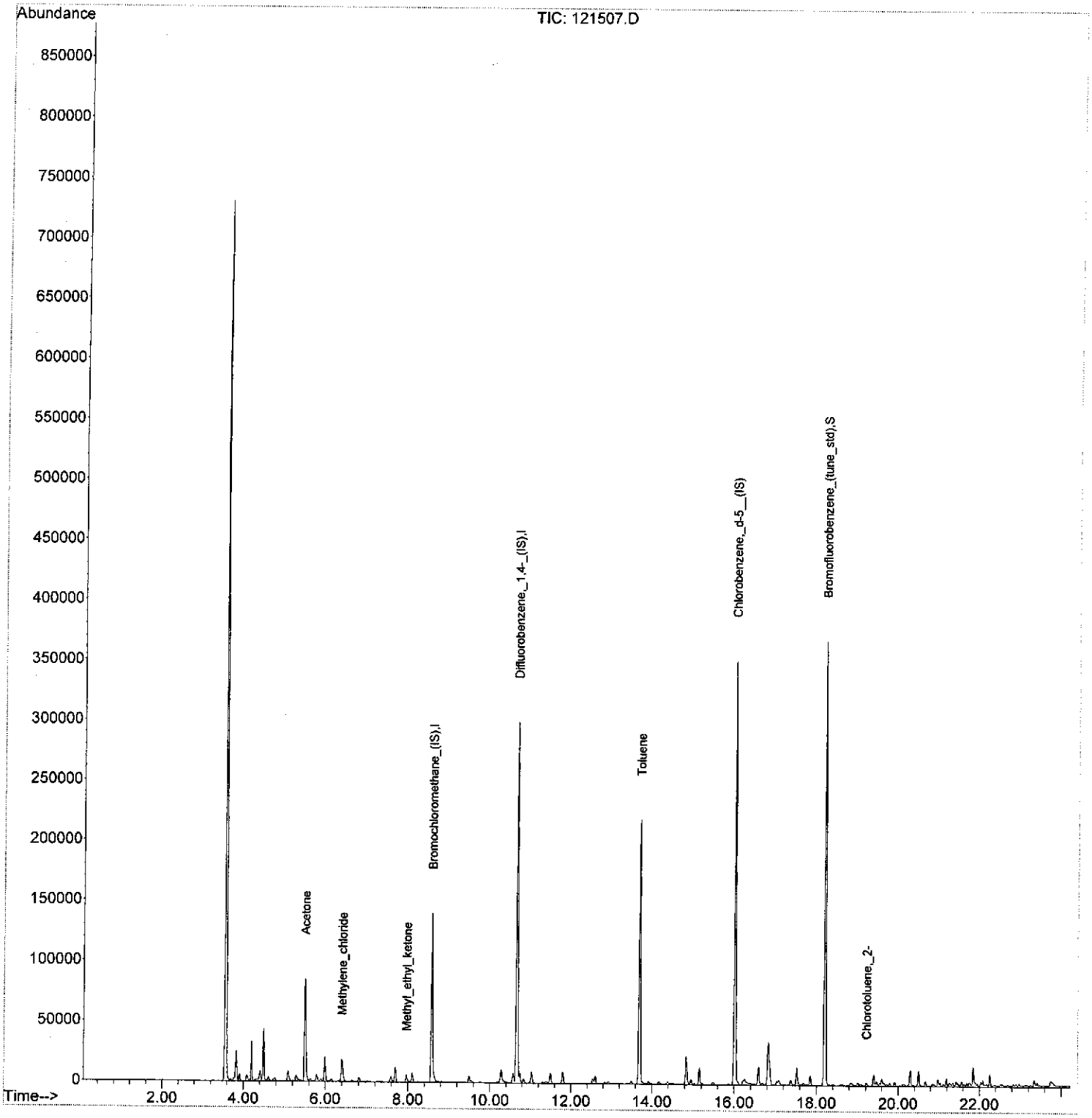
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	61390	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.66	114	316968	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	286914	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	202029	9.60	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 96.00%			
Target Compounds						Qvalue
12) Acetone	5.50	43	99744	9.90	ppbV	#84
17) Methylene_chloride	6.40	49	13503	1.48	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	10299	0.73	ppbV	100
48) Toluene	13.69	91	216538	4.98	ppbV	100
62) Chlorotoluene,_2-	19.22	91	2633	0.71	ppbV	#85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration



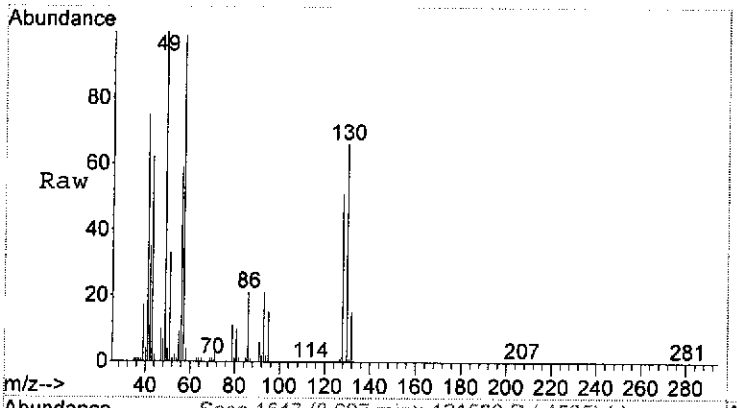
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121502.D
Acq On : 15 Dec 06 18:29
Operator : .
Sample : 60695-01.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 11:52:52 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	59884	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.68	114	294354	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.01	117	290161	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	196870	9.25	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.50%			
Target Compounds						Qvalue
12) Acetone	5.52	43	1106048	112.53	ppbV #	99
16) Butyl_Alcohol,_tert	6.40	59	7113	1.34	ppbV	100
17) Methylene_chloride	6.43	49	193746	21.81	ppbV	100
20) Carbon_disulfide	6.70	76	25260	1.18	ppbV	100
25) Methyl_ethyl_ketone	7.95	43	360627	26.19	ppbV	100
27) Hexane	8.61	57	85184	6.06	ppbV	99
34) Benzene	10.30	78	22302	0.71	ppbV	100
36) Cyclohexane	10.58	56	21563	1.34	ppbV	100
41) Trimethylpentane,_2,2,4-	11.50	57	20693	0.92	ppbV #	84
42) Heptane	11.81	43	77178	3.93	ppbV	99
44) Methyl_isobutyl_ketone	12.54	43	10730	0.51	ppbV	100
48) Toluene	13.70	91	1183306	26.93	ppbV	100
54) Ethylbenzene	16.59	91	123289	2.47	ppbV	99
55) Xylene,_m_&_p-	16.83	91	322676	3.85	ppbV	99
63) Ethyltoluene,_4-	19.47	105	72246	1.32	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.59	105	66265	1.35	ppbV	100
65) Trimethylbenzene,_1,2,4-	20.30	105	266312	5.69	ppbV	99
67) Dichlorobenzene,_1,3-	20.55	146	24371	0.65	ppbV	100
68) Dichlorobenzene,_1,4-	20.66	146	391414	11.22	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	30587	0.97	ppbV	99

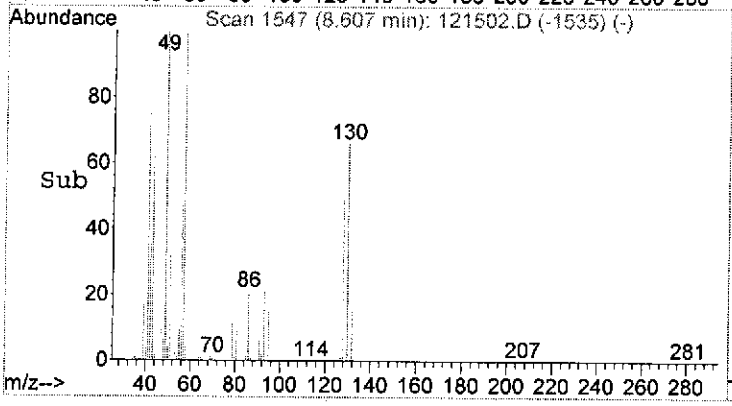
(#) = qualifier out of range (m) = manual integration (+) = signals summed

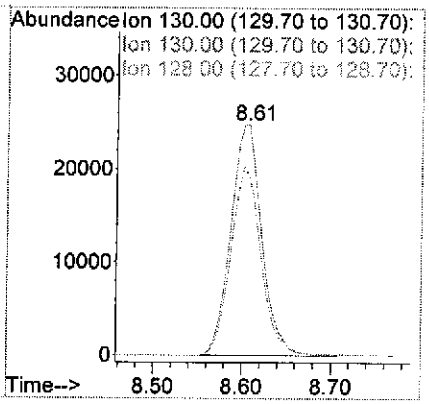


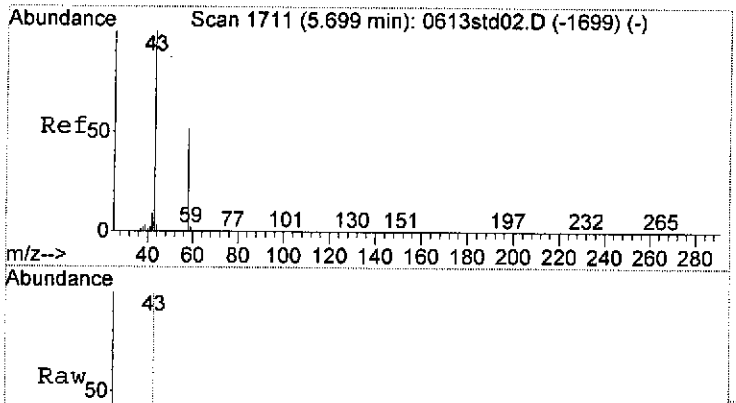
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.61 min Scan# 1547
Delta R.T. -0.00 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:130 Resp: 59884

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	79.9	62.6	94.0



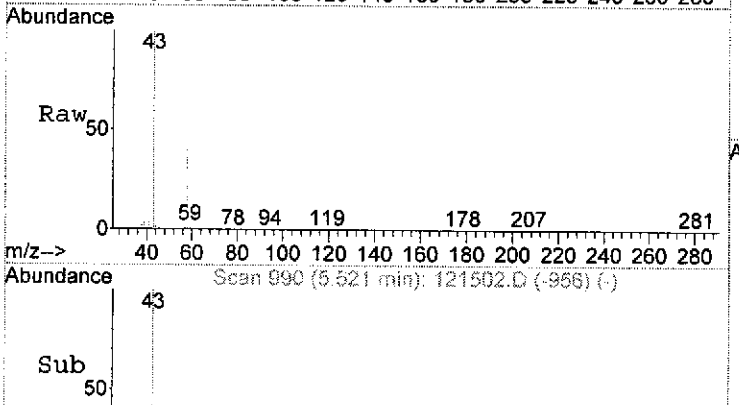


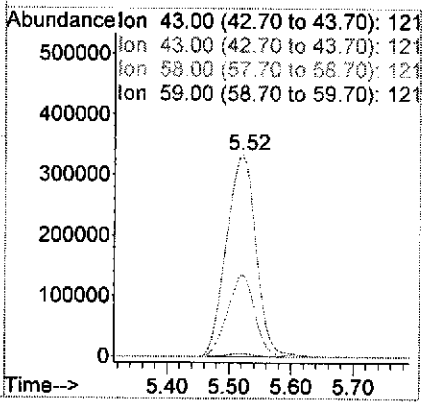


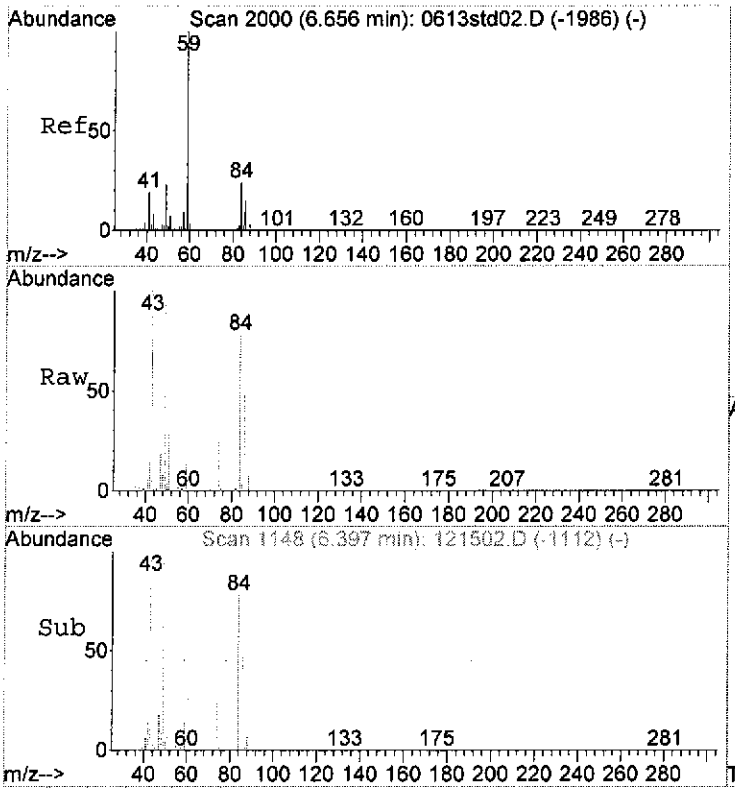
#12
Acetone
Concen: 112.53 ppbV
RT: 5.52 min Scan# 990
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 43 Resp: 1106048

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	37.7	28.0	42.0
59	1.4	0.9	1.3#



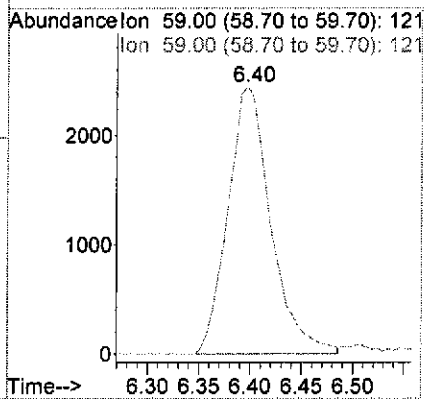


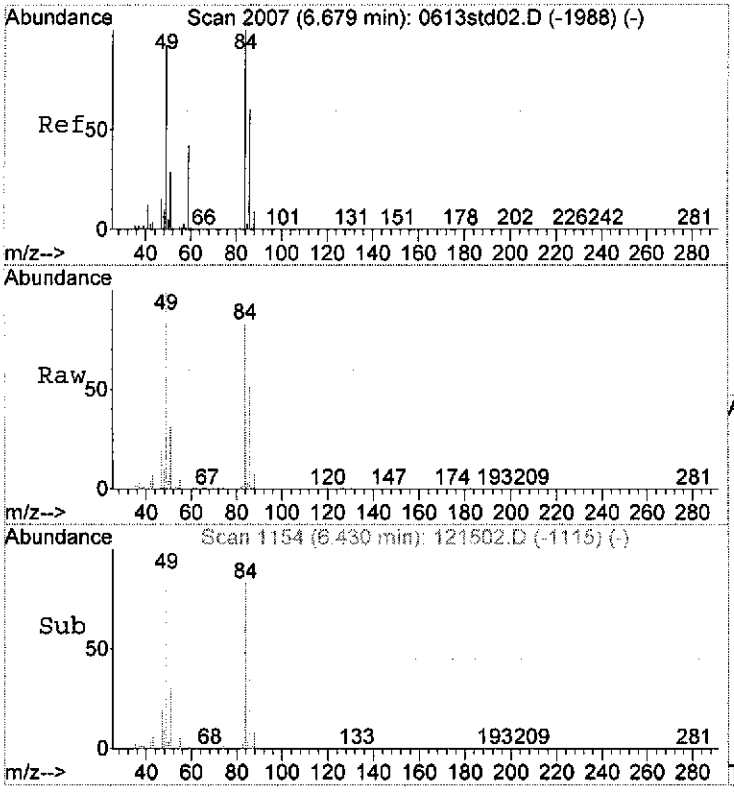


#16
Butyl_Alcohol,_tert
Concen: 1.34 ppbV
RT: 6.40 min Scan# 1148
Delta R.T. -0.00 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 59 Resp: 7113

Ion	Ratio	Lower	Upper
59	100		
59	100.0	80.0	120.0

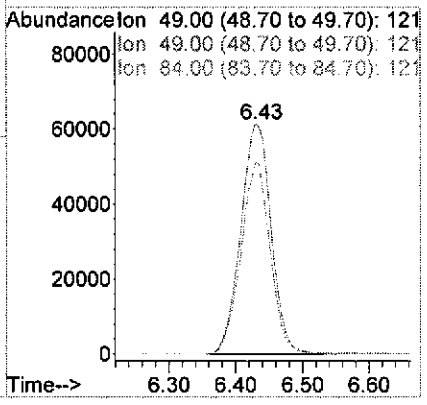


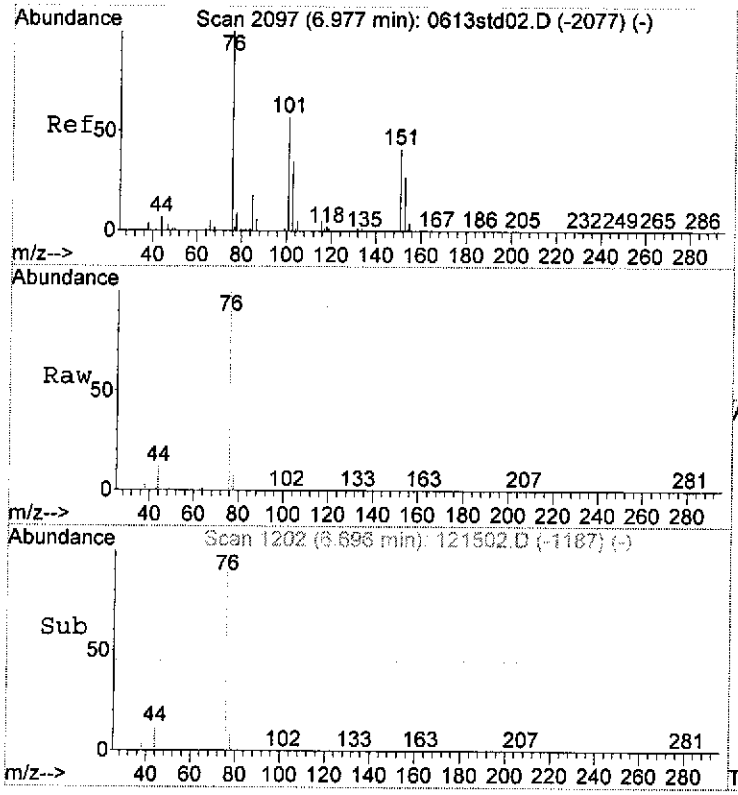


#17
Methylene_chloride
Concen: 21.81 ppbV
RT: 6.43 min Scan# 1154
Delta R.T. 0.02 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 49 Resp: 193746

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	80.4	64.5	96.7

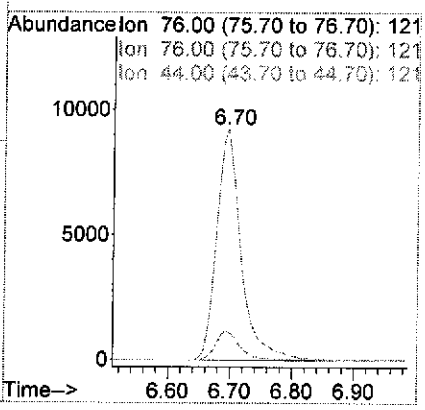


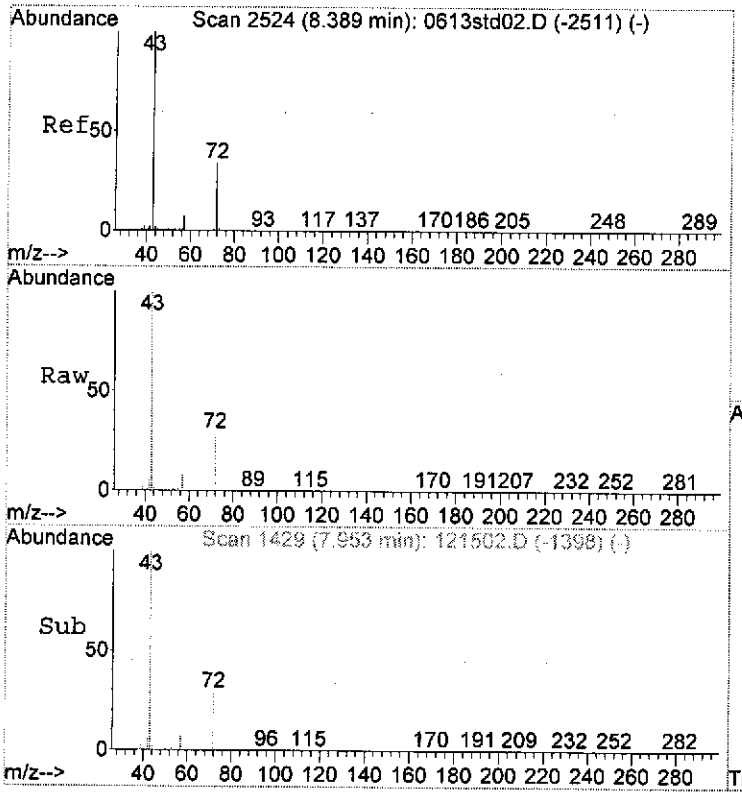


#20
Carbon_disulfide
Concen: 1.18 ppbV
RT: 6.70 min Scan# 1202
Delta R.T. -0.02 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 76 Resp: 25260

Ion	Ratio	Lower	Upper
76	100		
76	100.0	80.0	120.0
44	12.4	9.6	14.4

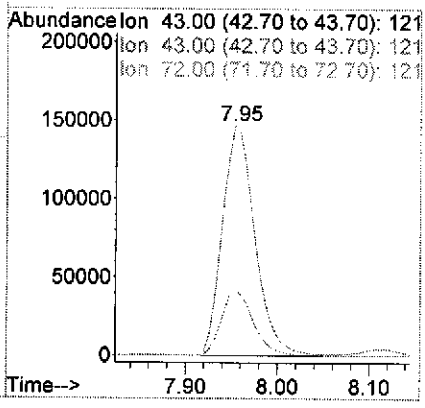


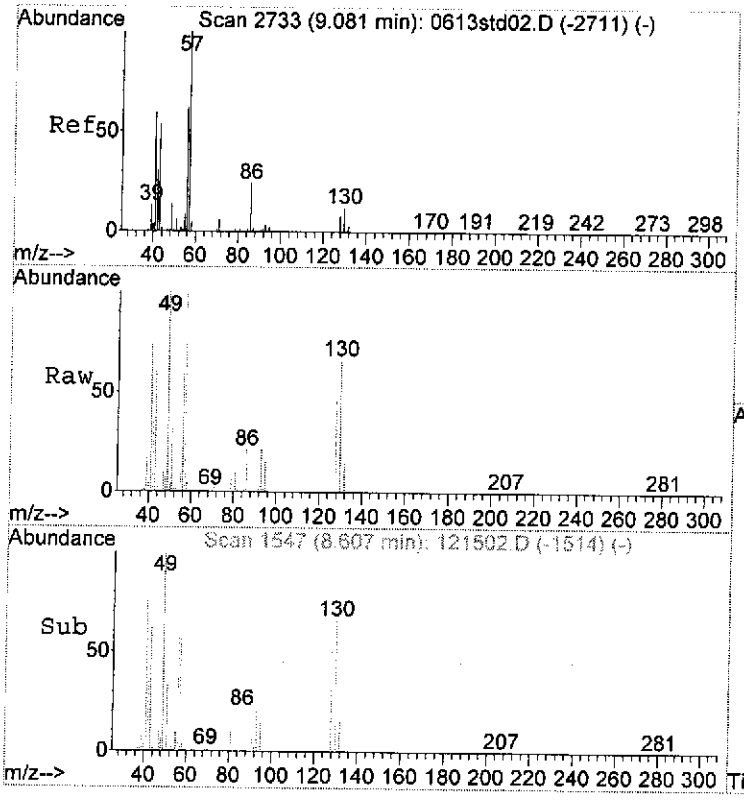


#25
Methyl_ethyl_ketone
Concen: 26.19 ppbV
RT: 7.95 min Scan# 1429
Delta R.T. -0.03 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 43 Resp: 360627

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	28.0	22.6	33.8

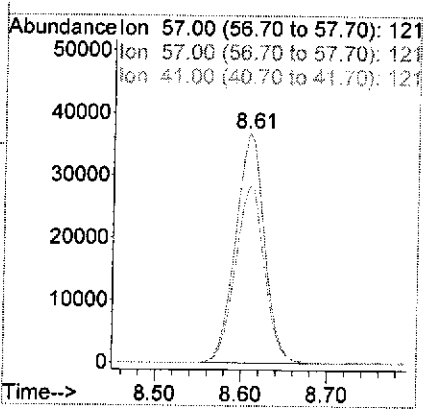


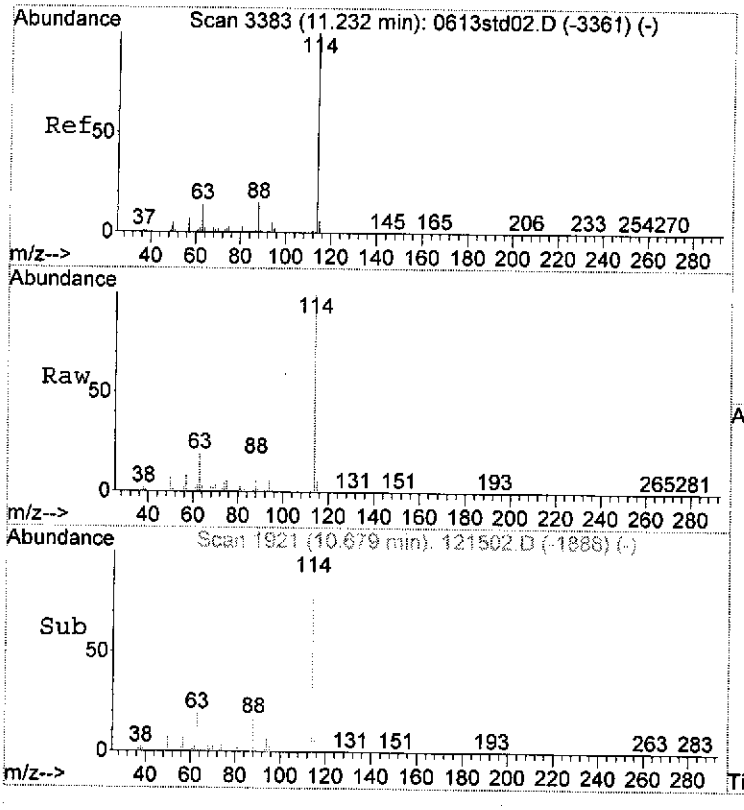


#27
Hexane
Concen: 6.06 ppbV
RT: 8.61 min Scan# 1547
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 57 Resp: 85184

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	79.2	64.3	96.5

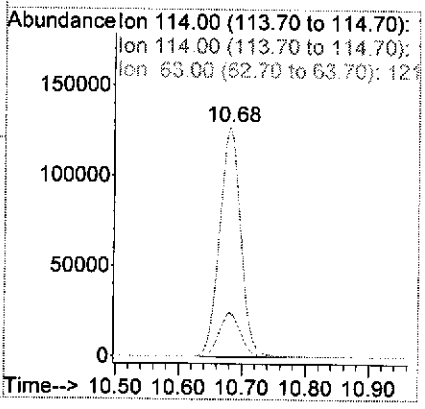


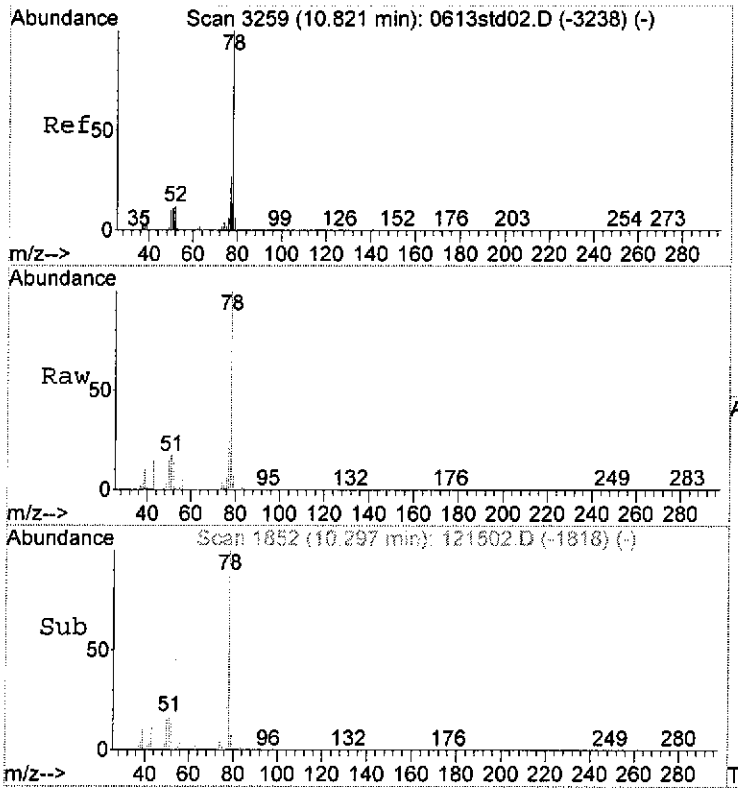


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.68 min Scan# 1921
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:114 Resp: 294354

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.4	15.8	23.6

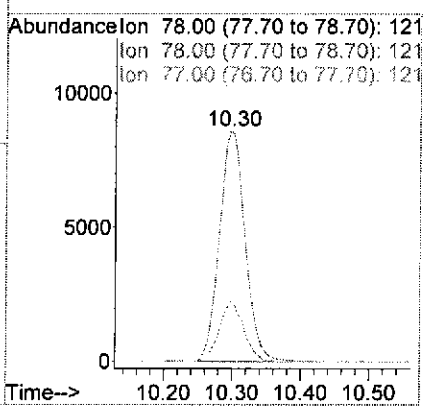


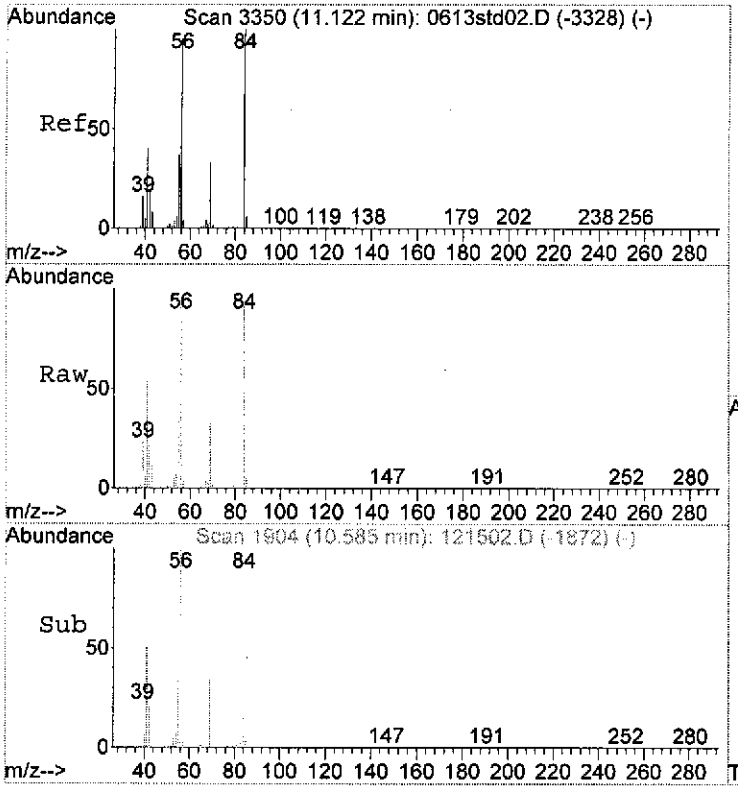


#34
Benzene
Concen: 0.71 ppbV
RT: 10.30 min Scan# 1852
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 78 Resp: 22302

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	24.6	19.4	29.0

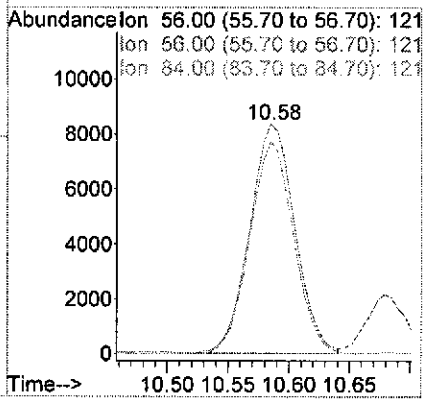


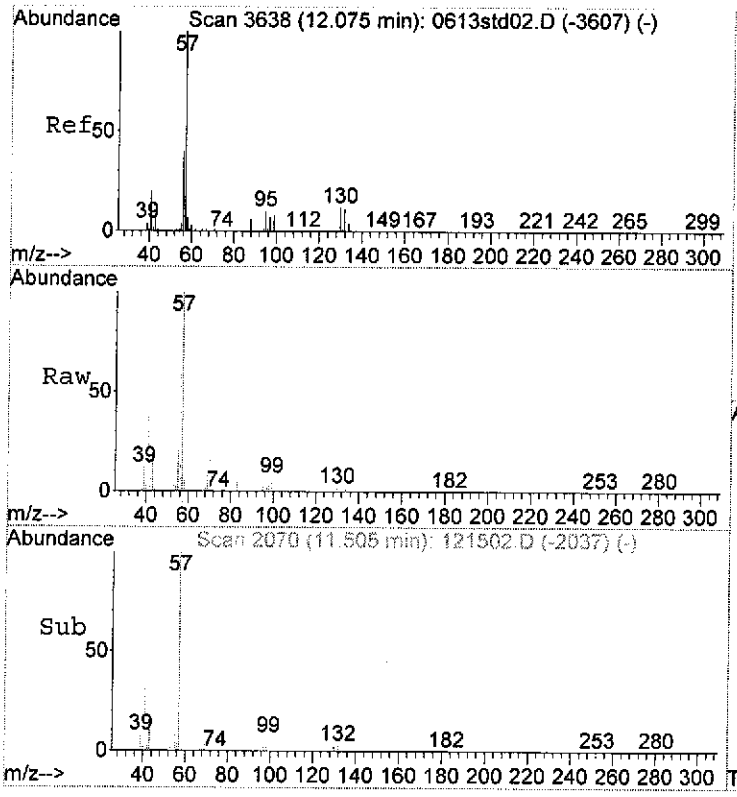


#36
Cyclohexane
Concen: 1.34 ppbV
RT: 10.58 min Scan# 1904
Delta R.T. -0.02 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 56 Resp: 21563

Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
84	90.8	72.7	109.1

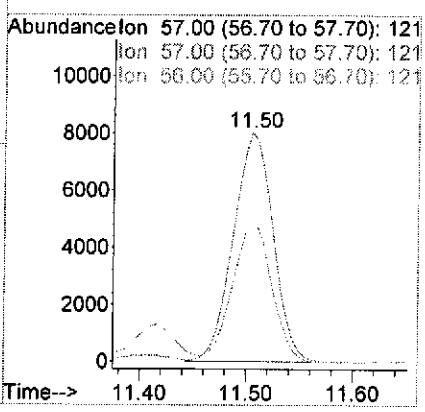


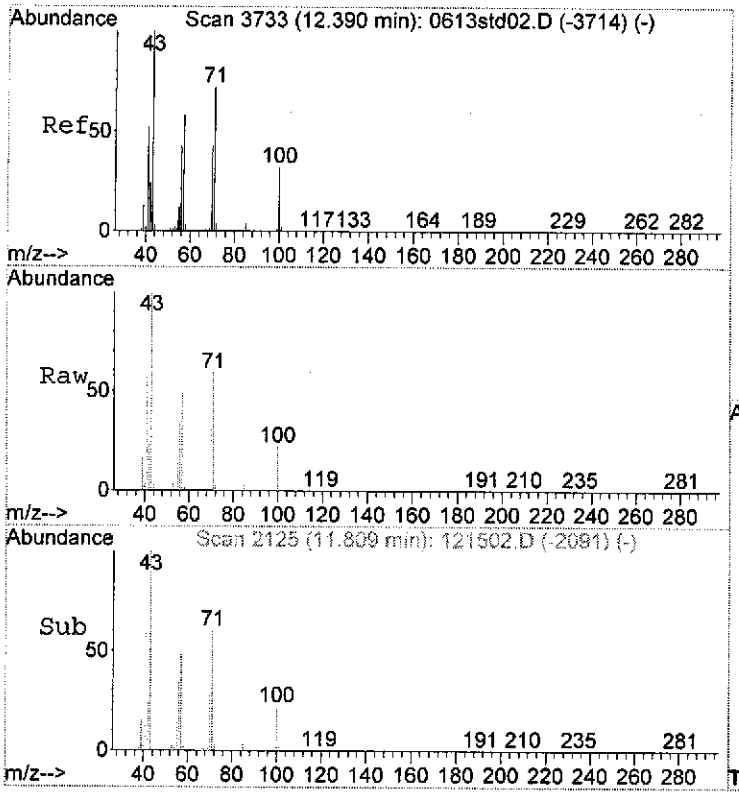


#41
Trimethylpentane,_2,2,4-
Concen: 0.92 ppbV
RT: 11.50 min Scan# 2070
Delta R.T. -0.02 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 57 Resp: 20693

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
56	0.0	29.2	43.8#

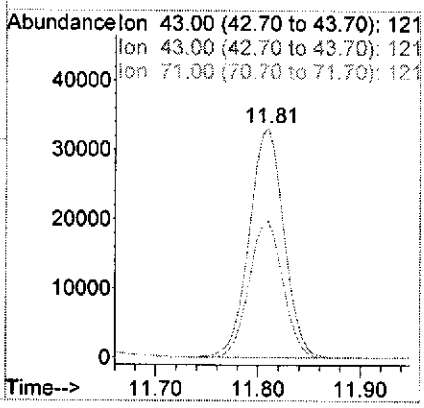


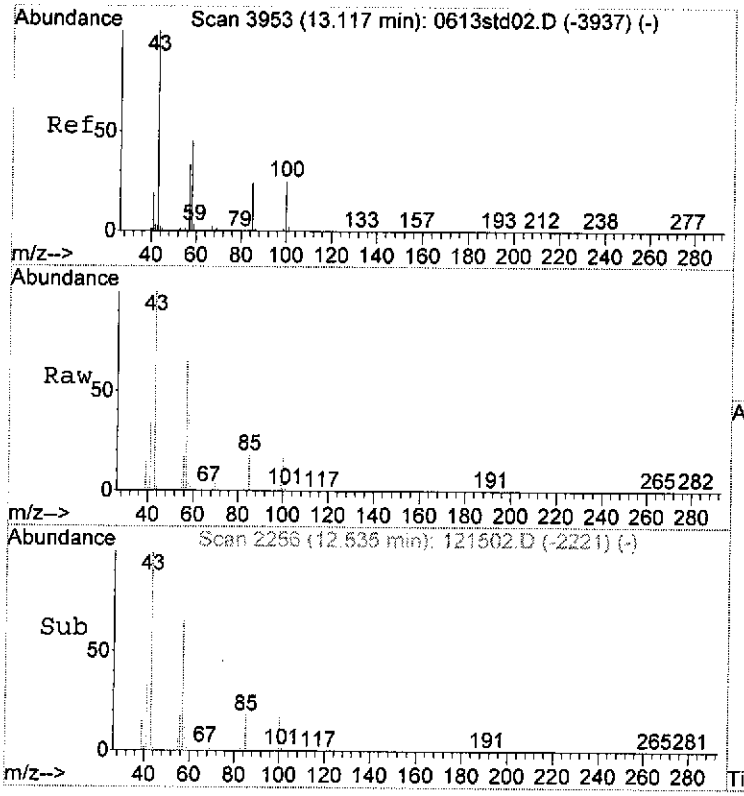


#42
Heptane
Concen: 3.93 ppbV
RT: 11.81 min Scan# 2125
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 43 Resp: 77178

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
71	58.7	48.7	73.1

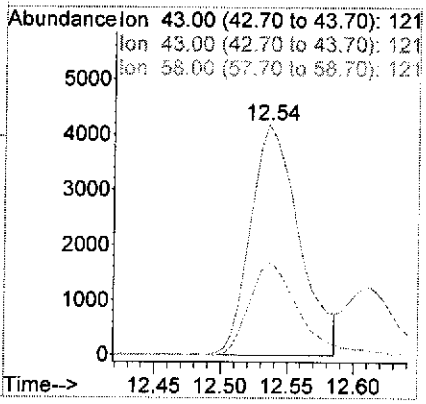


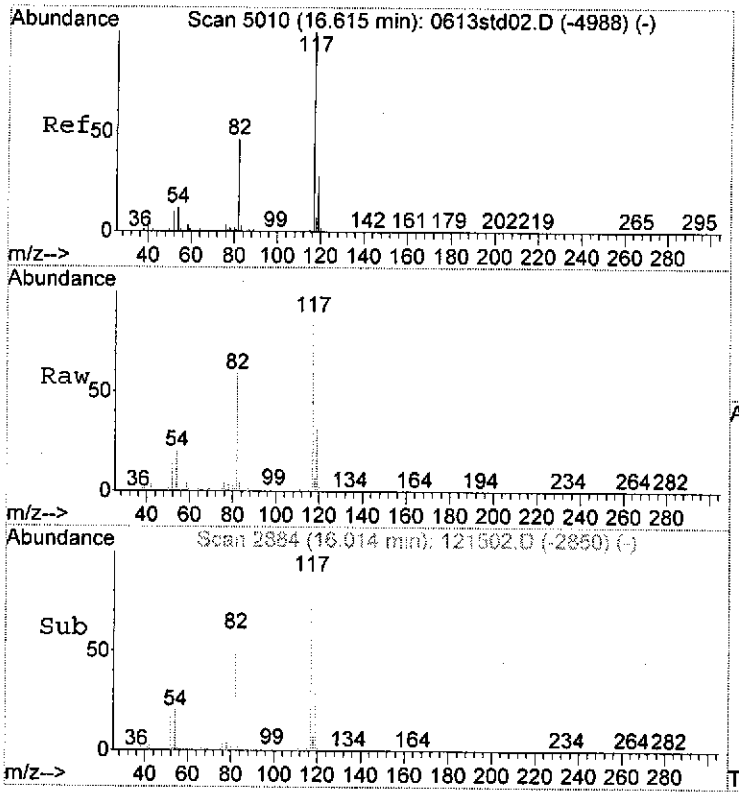


#44
Methyl_isobutyl_ketone
Concen: 0.51 ppbV
RT: 12.54 min Scan# 2256
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 43 Resp: 10730

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	41.2	33.5	50.3

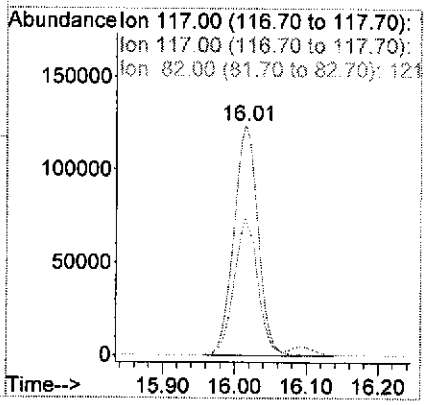


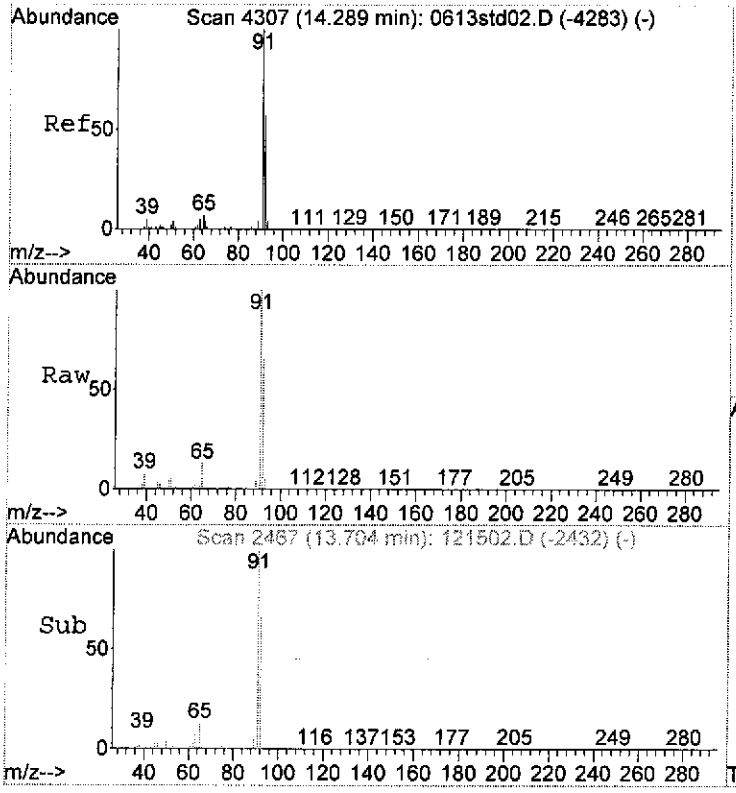


#47
Chlorobenzene, d-5 (IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2884
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:117 Resp: 290161

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.4	47.3	70.9

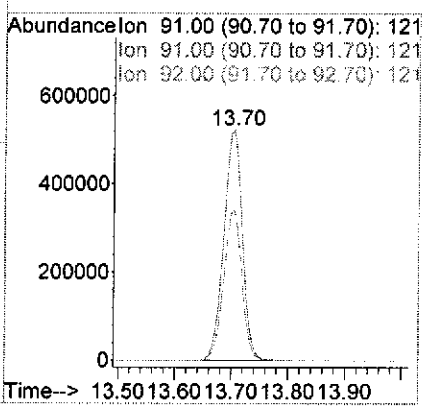


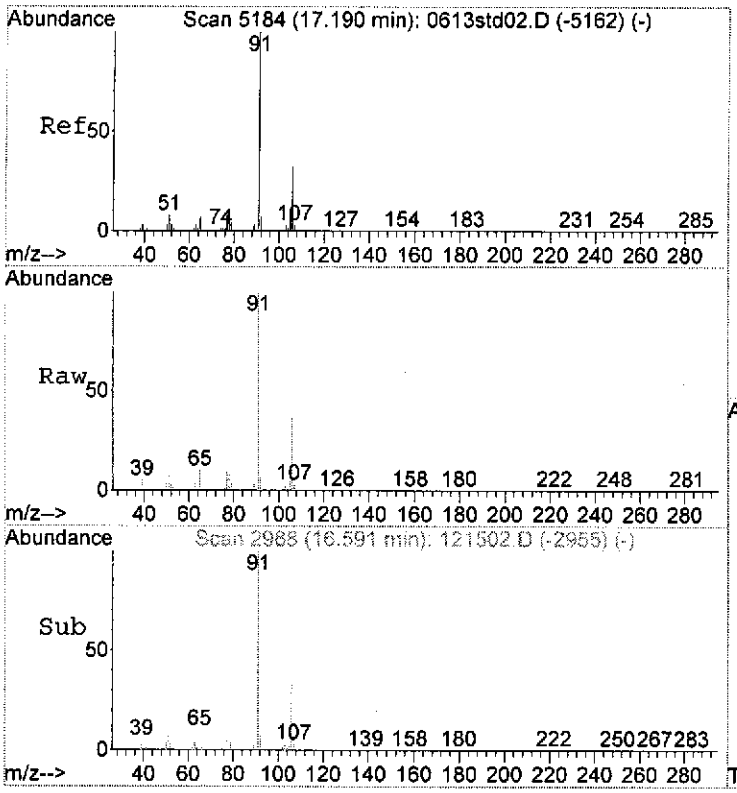


#48
Toluene
Concen: 26.93 ppbV
RT: 13.70 min Scan# 2467
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 91 Resp: 1183306

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	64.2	50.9	76.3

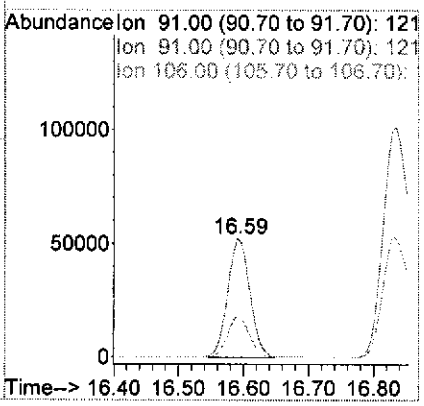


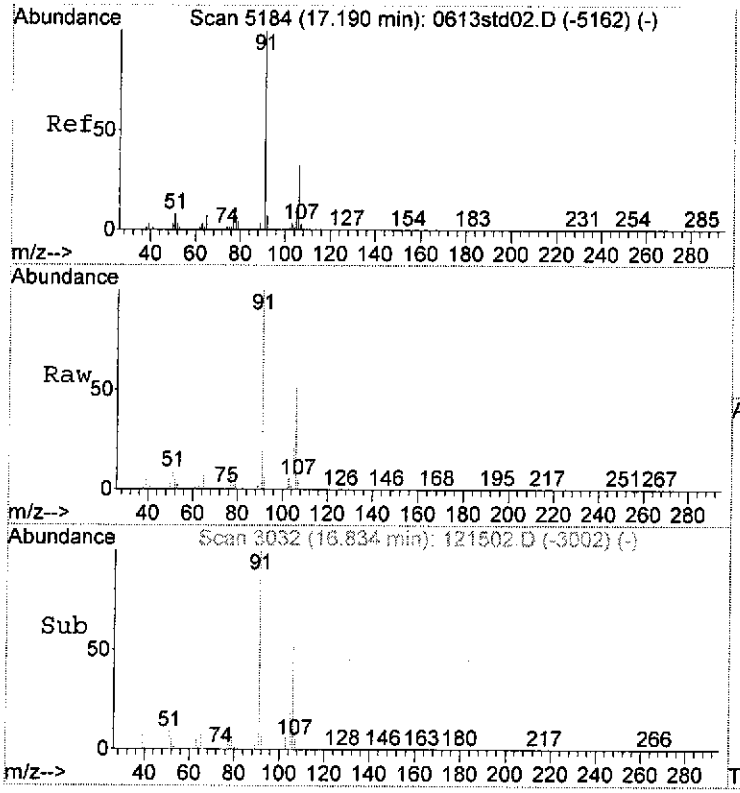


#54
Ethylbenzene
Concen: 2.47 ppbV
RT: 16.59 min Scan# 2988
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 91 Resp: 123289

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	34.9	29.0	43.6

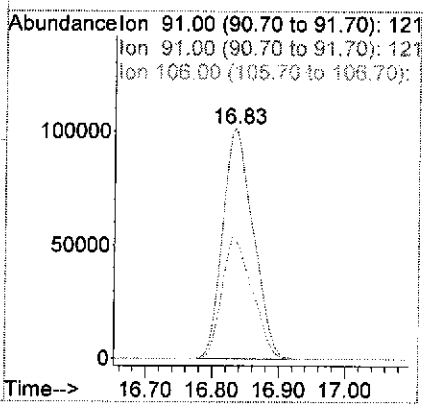


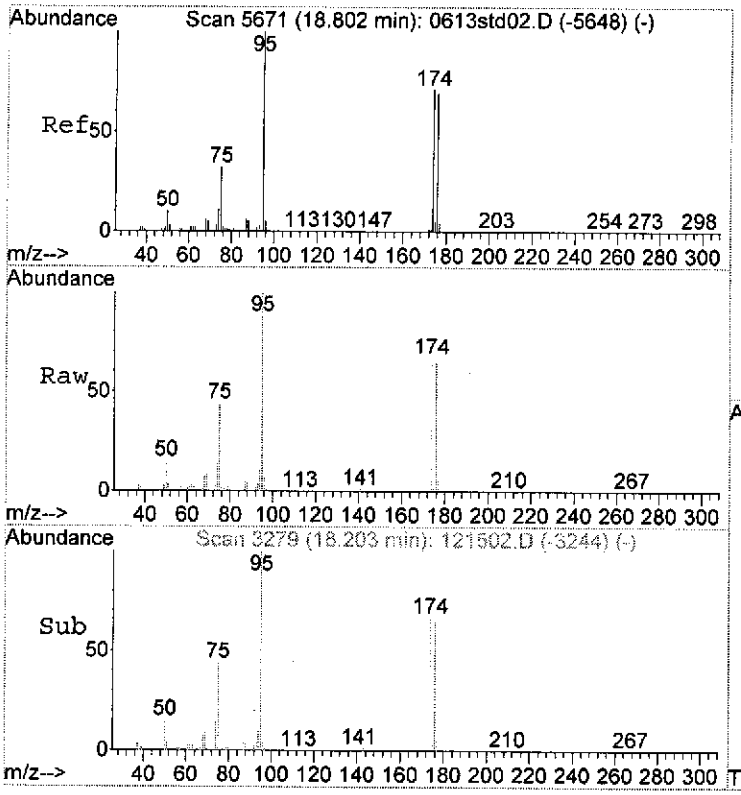


#55
Xylene,_m_&_p-
Concen: 3.85 ppbV
RT: 16.83 min Scan# 3032
Delta R.T. -0.03 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 91 Resp: 322676

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	53.0	44.4	66.6

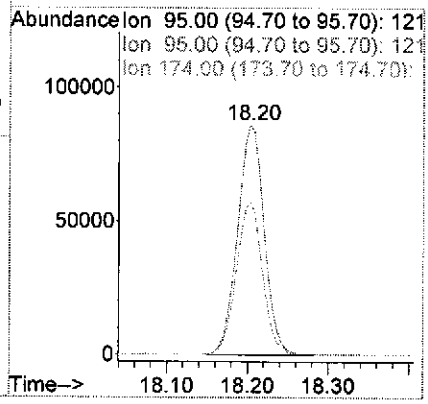


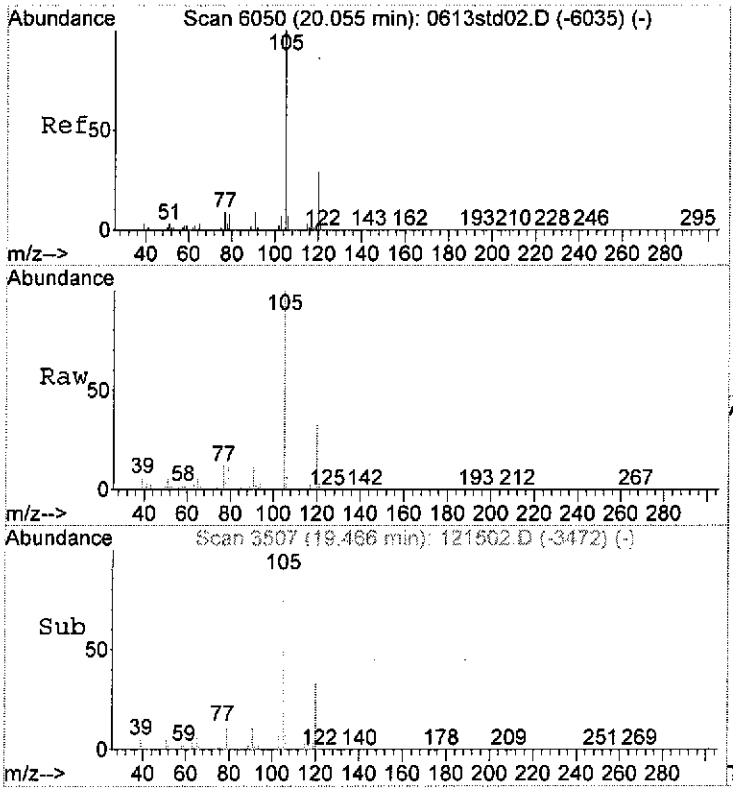


#60
Bromofluorobenzene_(tune_std)
Concen: N.D. ppbV
RT: 18.20 min Scan# 3279
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion: 95 Resp: 196870

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	65.5	54.1	81.1

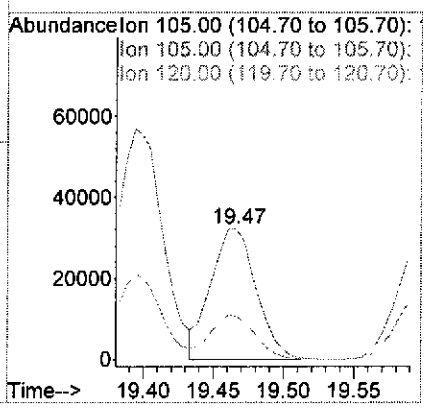


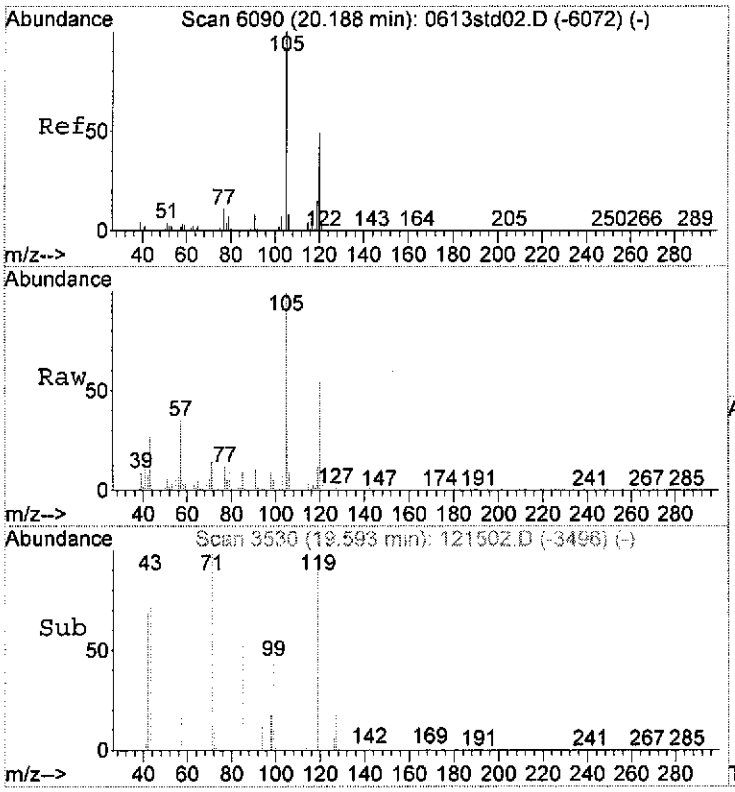


#63
Ethyltoluene,_4-
Concen: 1.32 ppbV
RT: 19.47 min Scan# 3507
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:105 Resp: 72246

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	34.0	28.4	42.6

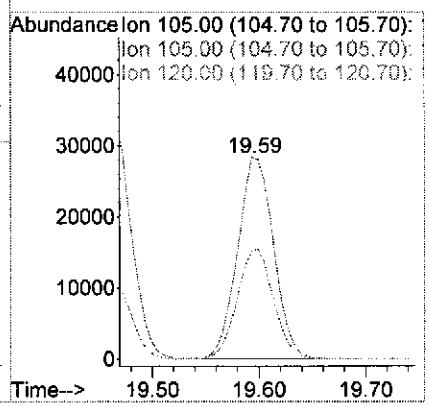


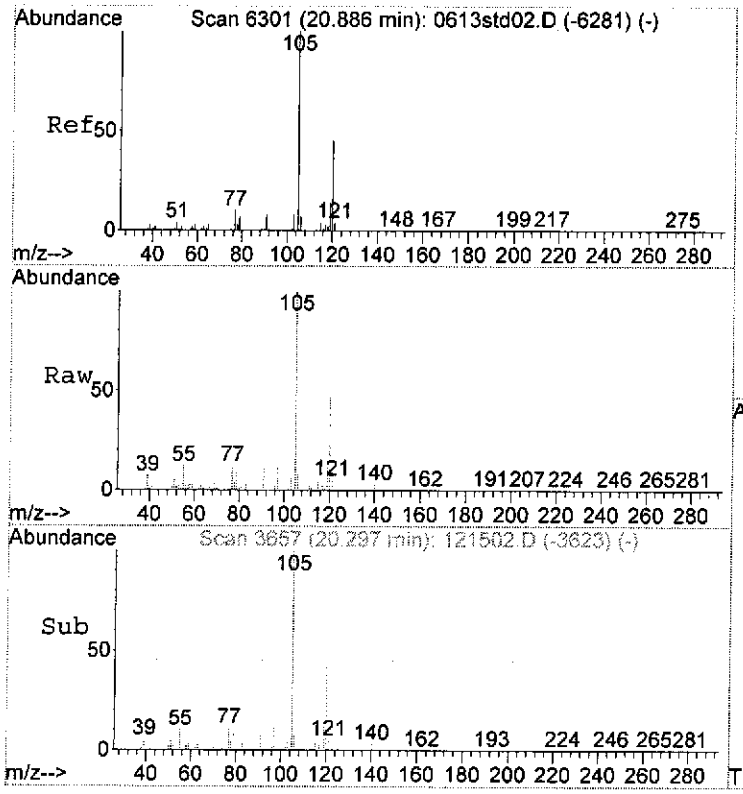


#64
Trimethylbenzene,_1,3,5-
Concen: 1.35 ppbV
RT: 19.59 min Scan# 3530
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:105 Resp: 66265

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	54.7	44.6	66.8

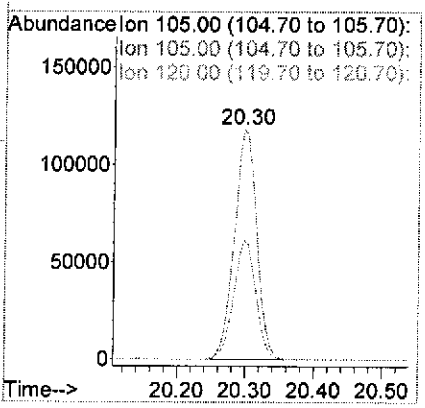


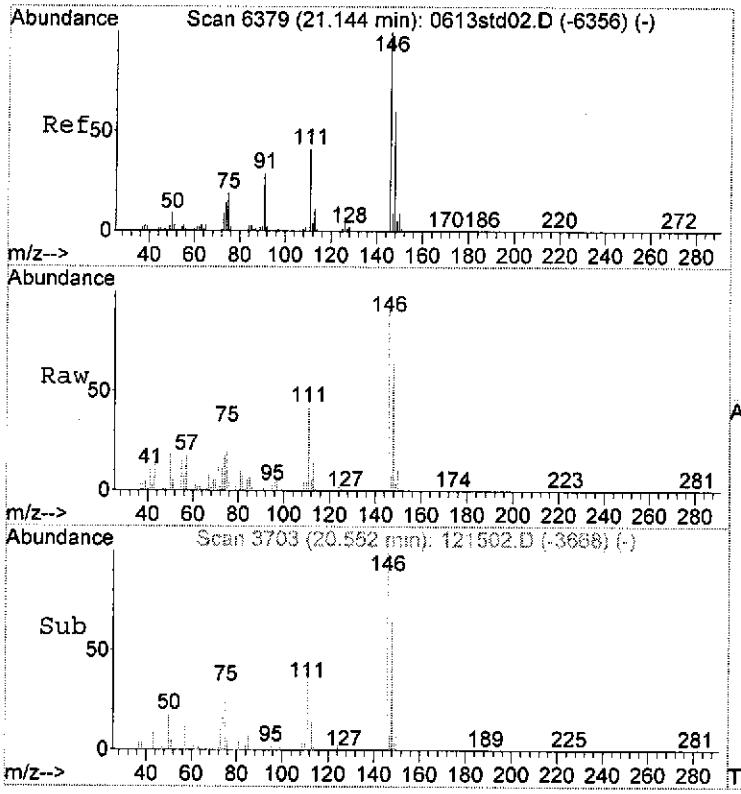


#65
Trimethylbenzene,_1,2,4-
Concen: 5.69 ppbV
RT: 20.30 min Scan# 3657
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:105 Resp: 266312

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	51.4	42.0	63.0

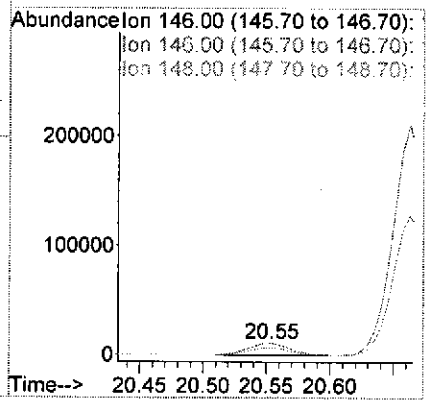


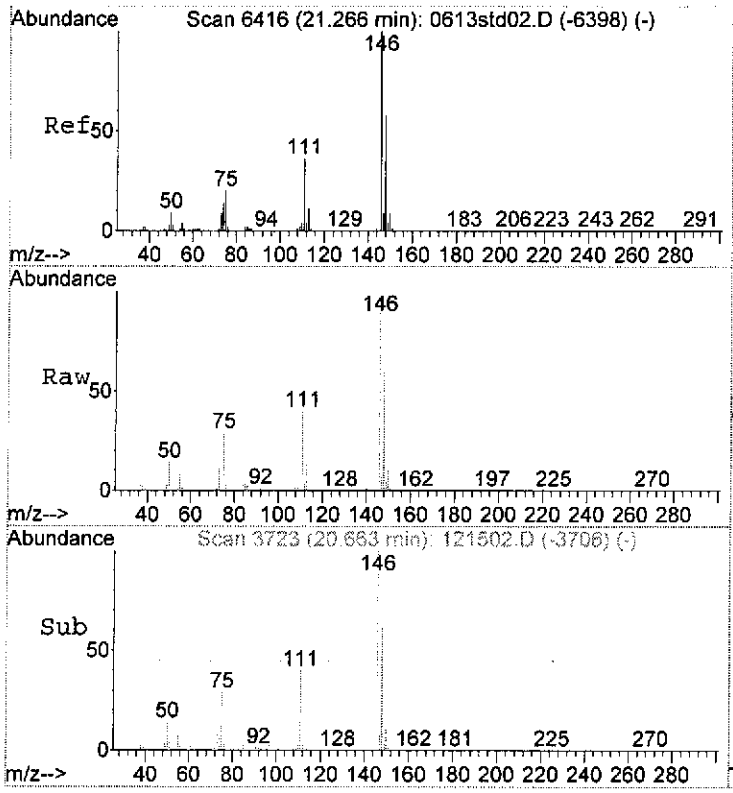


#67
Dichlorobenzene,_1,3-
Concen: 0.65 ppbV
RT: 20.55 min Scan# 3703
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:146 Resp: 24371

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	62.3	50.1	75.1

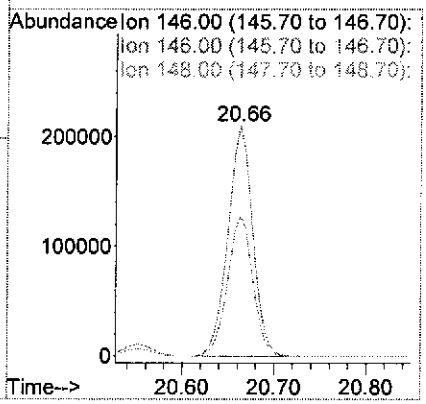


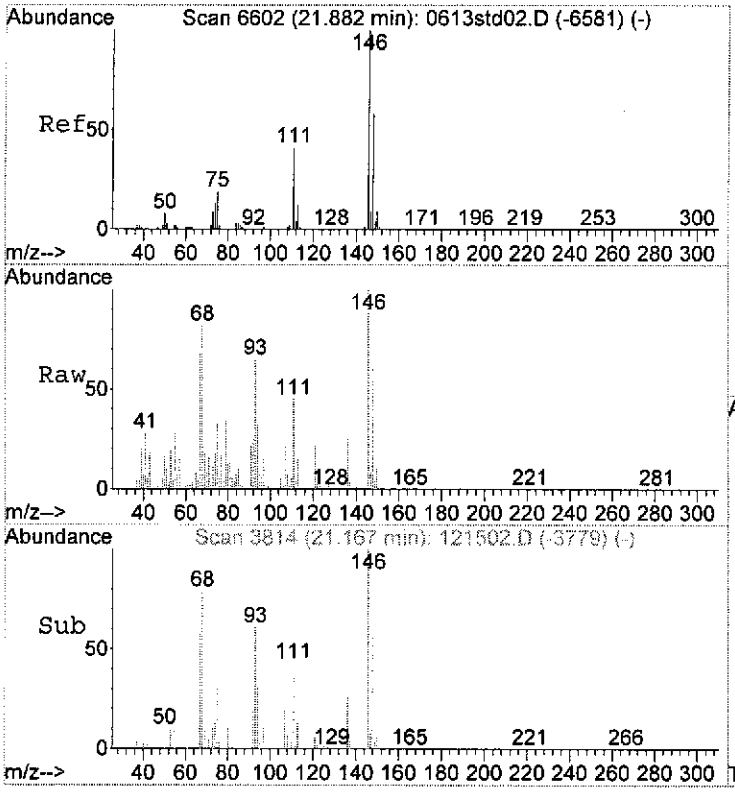


#68
Dichlorobenzene,_1,4-
Concen: 11.22 ppbV
RT: 20.66 min Scan# 3723
Delta R.T. -0.00 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:146 Resp: 391414

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	61.9	50.0	75.0

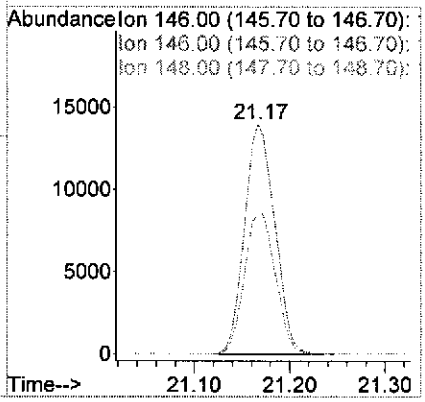




#69
Dichlorobenzene,_1,2-
Concen: 0.97 ppbV
RT: 21.17 min Scan# 3814
Delta R.T. -0.01 min
Lab File: 121502.D
Acq: 15 Dec 06 18:29

Tgt Ion:146 Resp: 30587

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	63.1	49.6	74.4



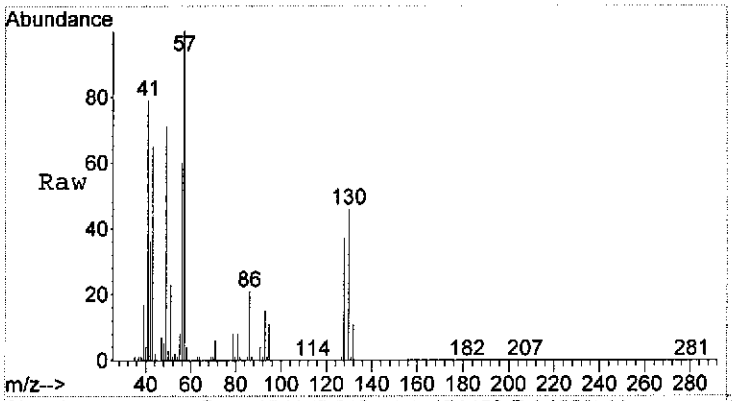
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121403.D
Acq On : 14 Dec 06 17:32
Operator : .
Sample : 60695-02.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:42:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	47016	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.68	114	236065	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	229293	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	176156	10.47	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.70%			
Target Compounds						Qvalue
4) Chloromethane	4.07	50	2870	0.56	ppbV	# 93
12) Acetone	5.53	43	2089663	270.78	ppbV	# 96
16) Butyl_Alcohol,_tert	6.40	59	7595	1.82	ppbV	100
17) Methylene_chloride	6.45	49	131962	18.92	ppbV	98
20) Carbon_disulfide	6.69	76	33910	2.02	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	537282	49.71	ppbV	100
27) Hexane	8.61	57	101279	9.18	ppbV	100
34) Benzene	10.30	78	25136	0.99	ppbV	100
36) Cyclohexane	10.59	56	20759	1.60	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	26802	1.48	ppbV	# 84
42) Heptane	11.81	43	115058	7.31	ppbV	98
44) Methyl_isobutyl_ketone	12.53	43	18845	1.12	ppbV	100
48) Toluene	13.71	91	1680279	48.39	ppbV	98
54) Ethylbenzene	16.60	91	159947	4.06	ppbV	99
55) Xylene,_m_&_p-	16.83	91	412419	6.22	ppbV	99
59) Xylene,_o-	17.52	91	103546	2.80	ppbV	99
63) Ethyltoluene,_4-	19.46	105	82595	1.91	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	65787	1.70	ppbV	100
65) Trimethylbenzene,_1,2,4-	20.30	105	248147	6.71	ppbV	99
67) Dichlorobenzene,_1,3-	20.55	146	23132	0.78	ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	672240	24.38	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	29800	1.20	ppbV	99

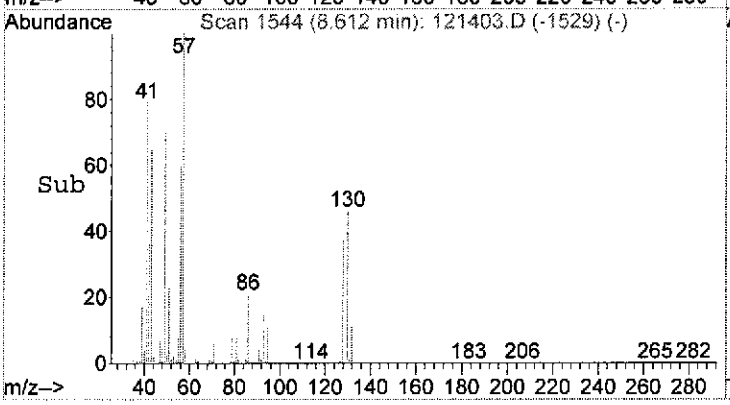
(#) = qualifier out of range (m) = manual integration (+) = signals summed

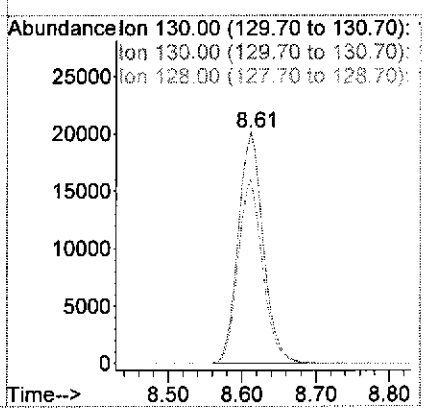


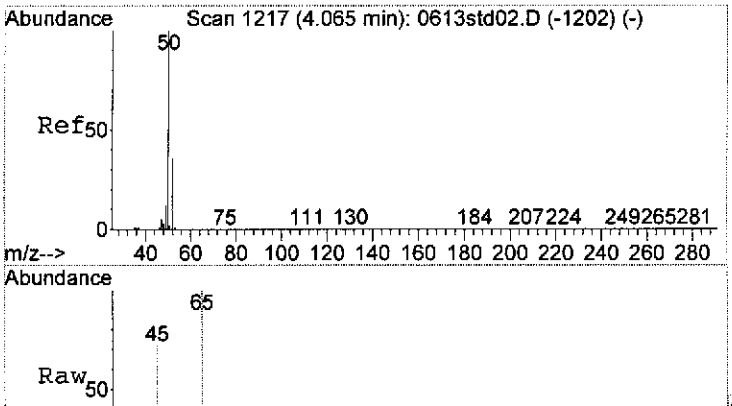
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.61 min Scan# 1544
Delta R.T. 0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:130 Resp: 47016

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	78.7	62.6	94.0



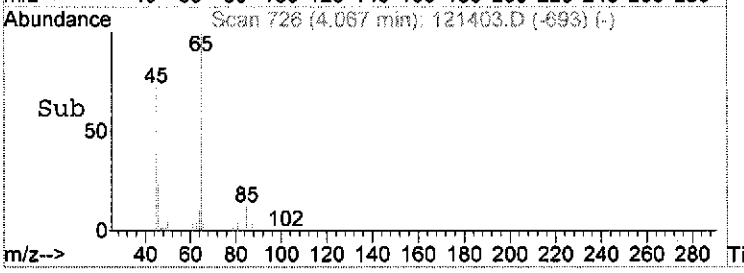


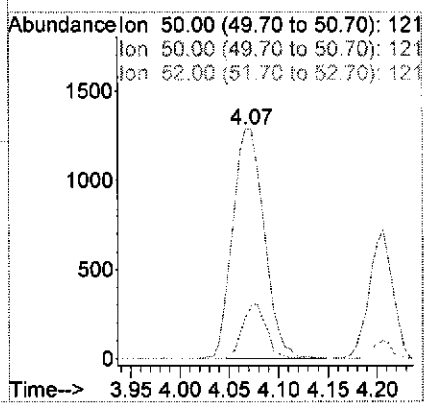


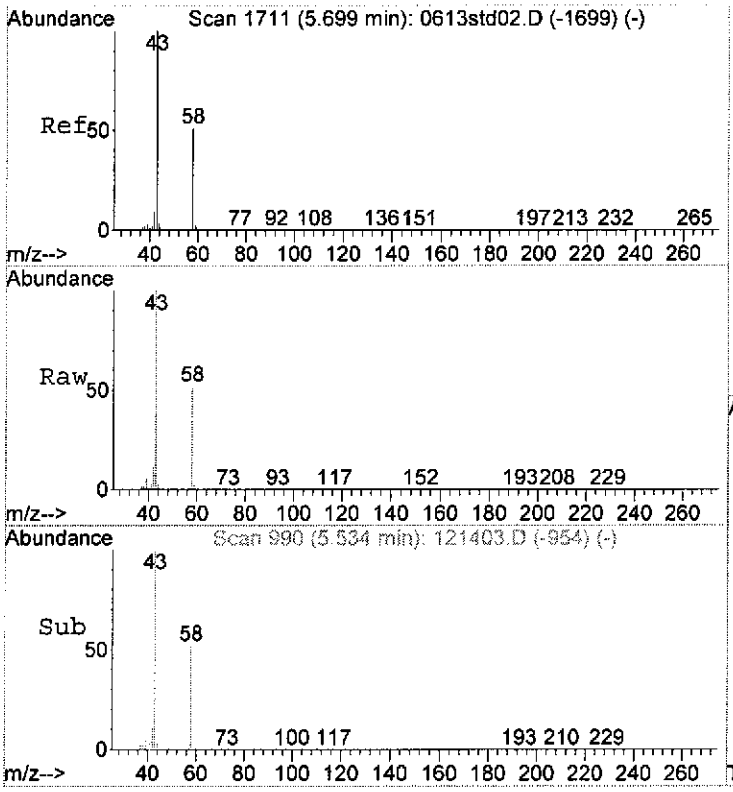
#4
Chloromethane
Concen: 0.56 ppbV
RT: 4.07 min Scan# 726
Delta R.T. -0.02 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 50 Resp: 2870

Ion	Ratio	Lower	Upper
50	100		
50	100.0	80.0	120.0
52	17.9	26.2	39.4#



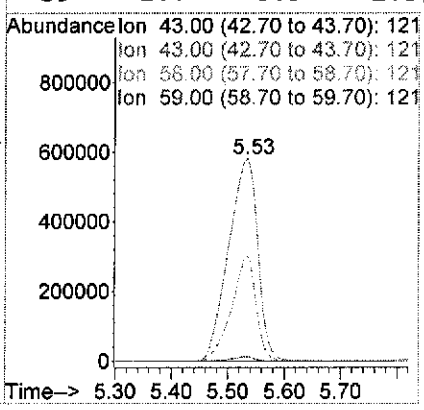


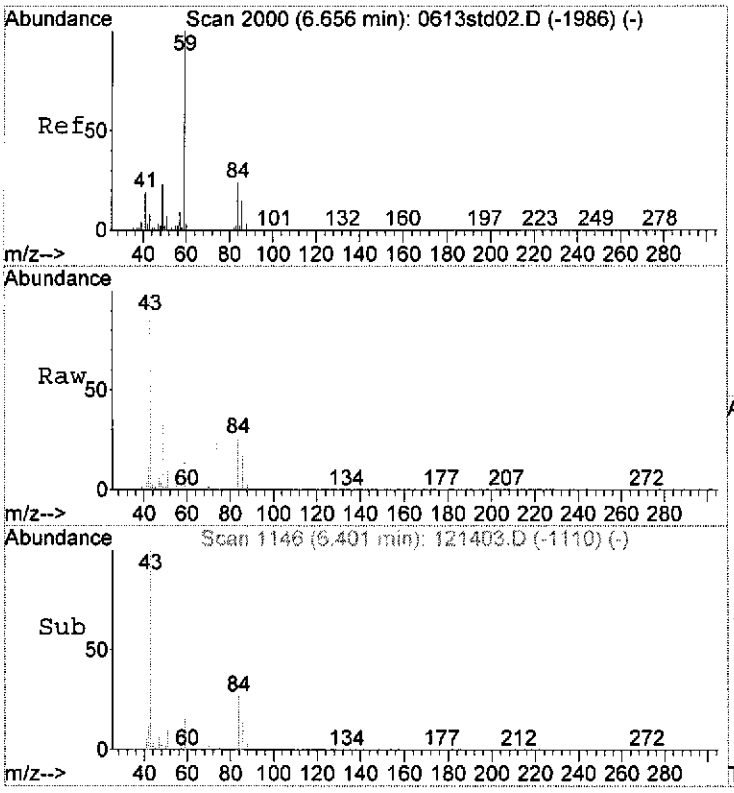


#12
Acetone
Concen: 270.78 ppbV
RT: 5.53 min Scan# 990
Delta R.T. 0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 43 Resp: 2089663

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	43.5	28.0	42.0#
59	1.7	0.9	1.3#

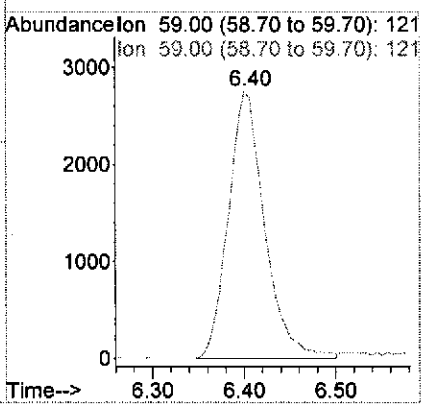


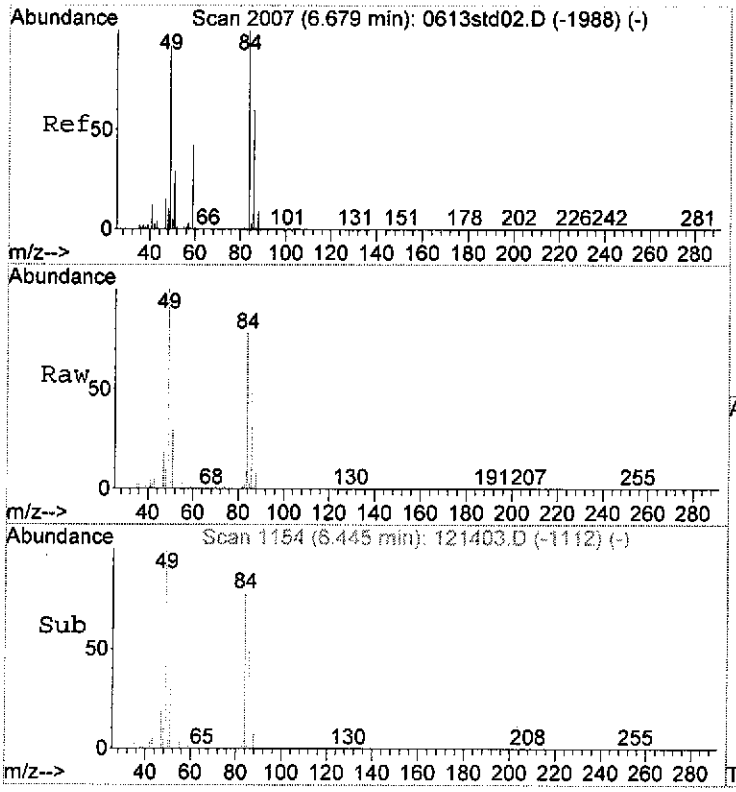


#16
Butyl_Alcohol,_tert
Concen: 1.82 ppbV
RT: 6.40 min Scan# 1146
Delta R.T. 0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 59 Resp: 7595

Ion	Ratio	Lower	Upper
59	100		
59	100.0	80.0	120.0

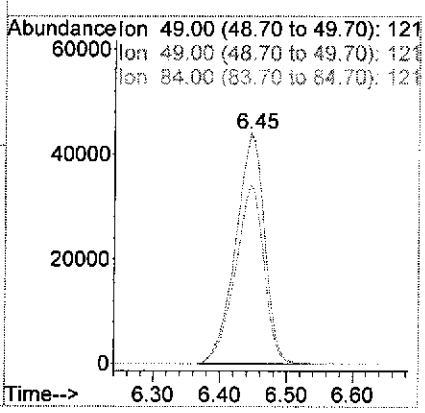


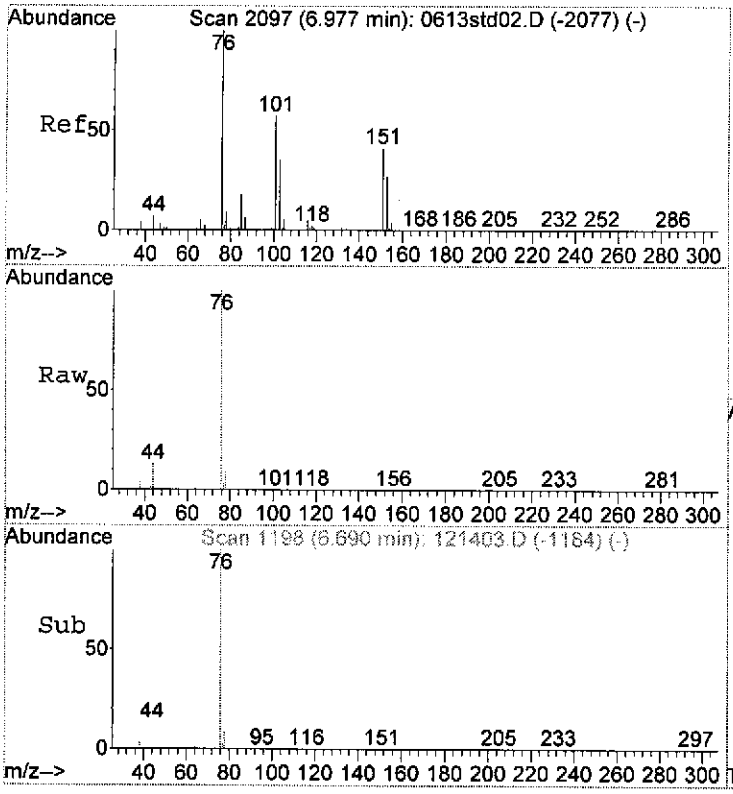


#17
Methylene_chloride
Concen: 18.92 ppbV
RT: 6.45 min Scan# 1154
Delta R.T. 0.03 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 49 Resp: 131962

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	77.3	64.5	96.7

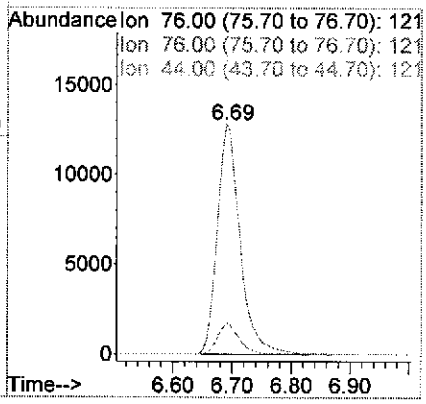


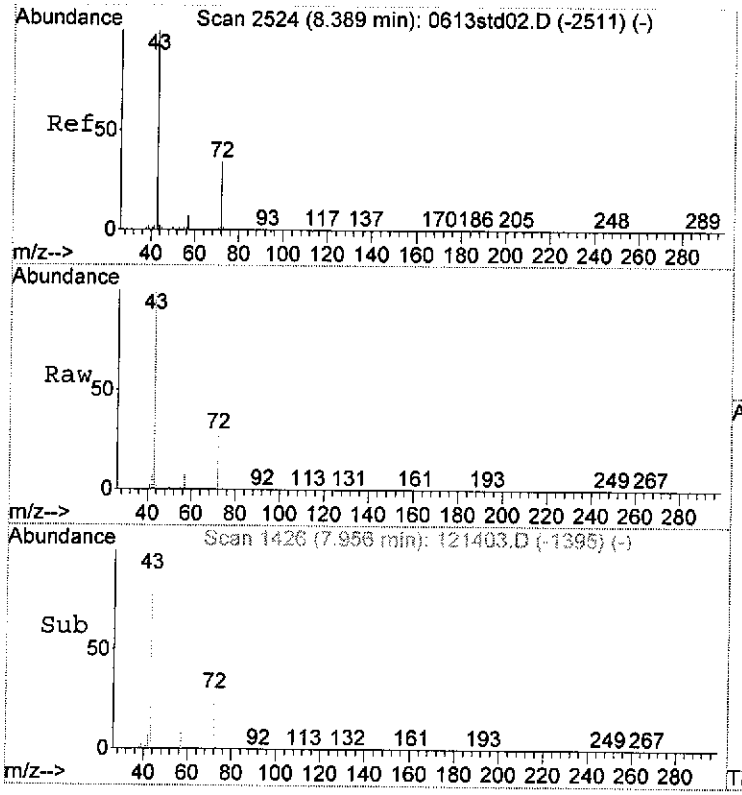


#20
Carbon_disulfide
Concen: 2.02 ppbV
RT: 6.69 min Scan# 1198
Delta R.T. -0.02 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 76 Resp: 33910

Ion	Ratio	Lower	Upper
76	100		
76	100.0	80.0	120.0
44	12.9	9.6	14.4

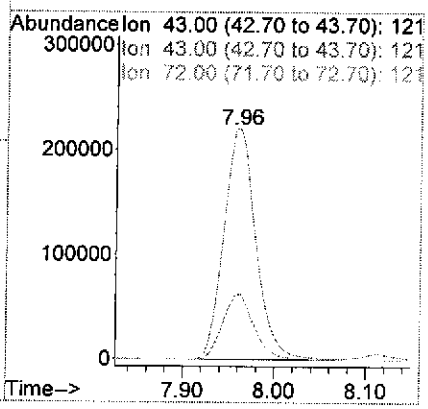


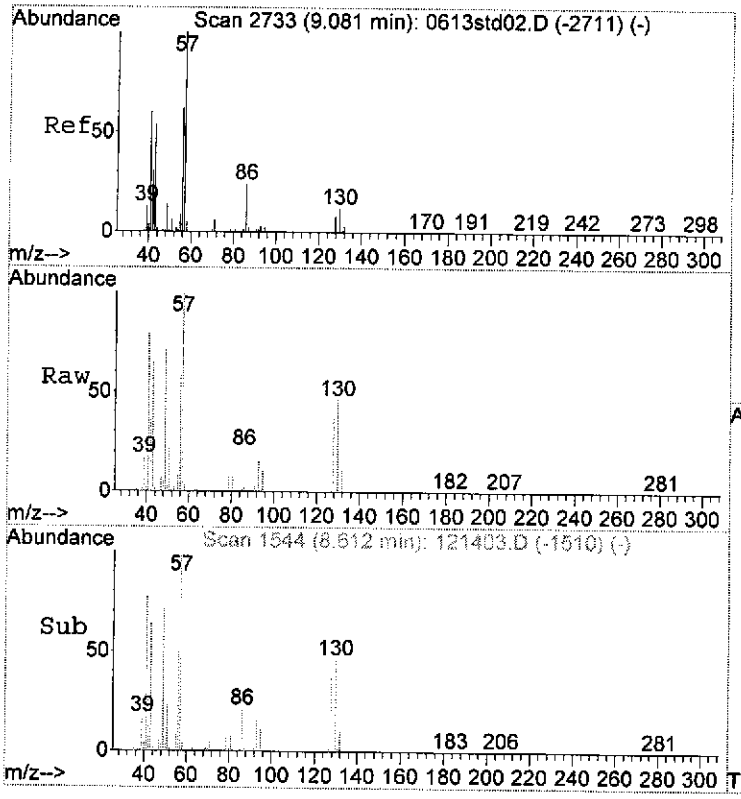


#25
Methyl_ethyl_ketone
Concen: 49.71 ppbV
RT: 7.96 min Scan# 1426
Delta R.T. -0.03 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 43 Resp: 537282

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	27.6	22.6	33.8

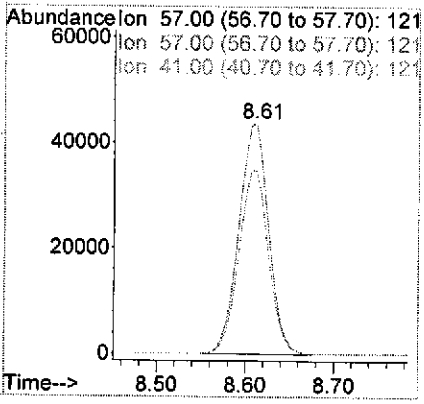


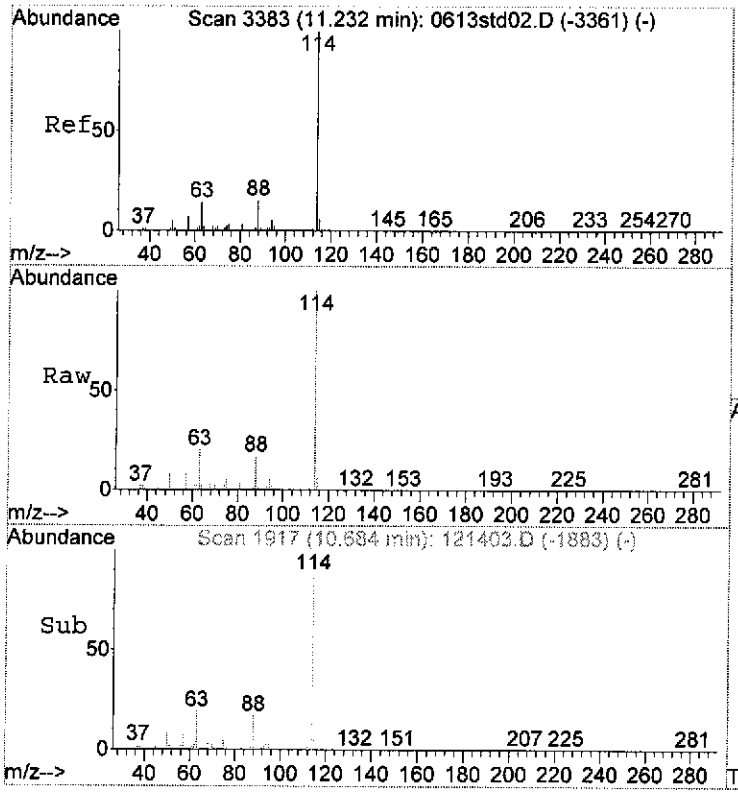


#27
Hexane
Concen: 9.18 ppbV
RT: 8.61 min Scan# 1544
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 57 Resp: 101279

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	80.6	64.3	96.5

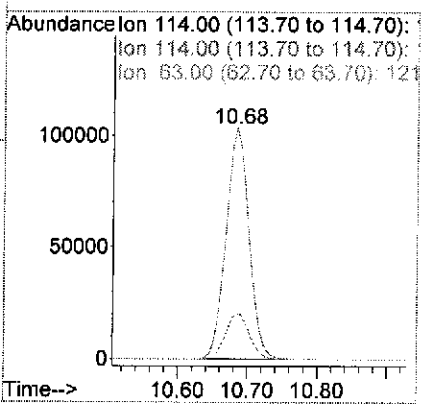


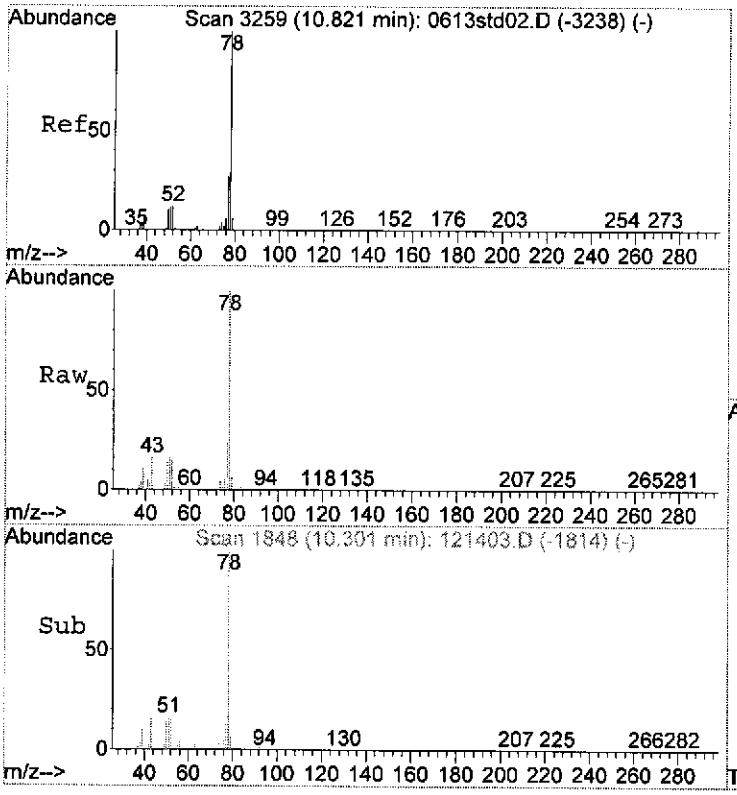


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.68 min Scan# 1917
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:114 Resp: 236065

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	20.4	15.8	23.6

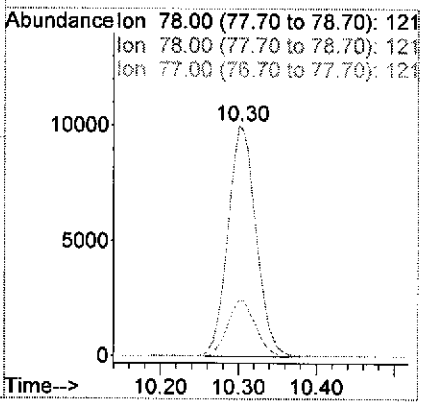


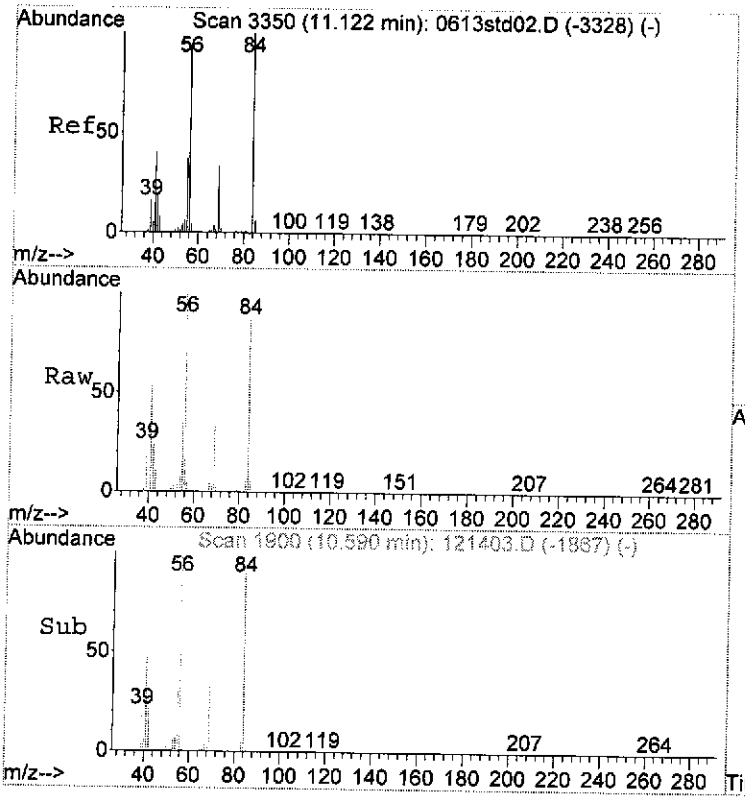


#34
Benzene
Concen: 0.99 ppbV
RT: 10.30 min Scan# 1848
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 78 Resp: 25136

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	24.0	19.4	29.0

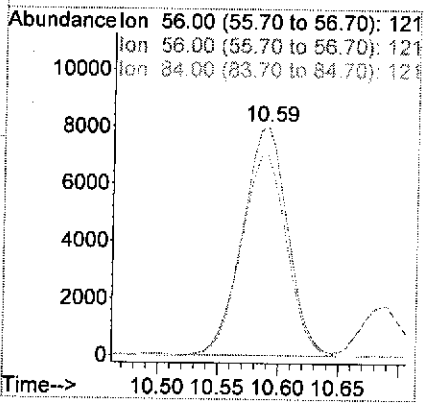


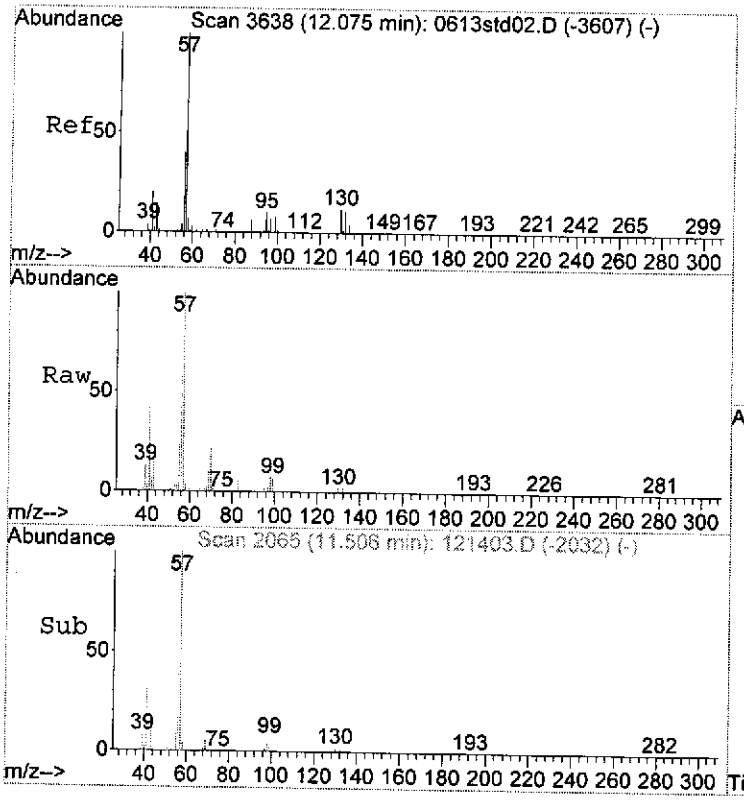


#36
Cyclohexane
Concen: 1.60 ppbV
RT: 10.59 min Scan# 1900
Delta R.T. -0.02 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 56 Resp: 20759

Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
84	89.0	72.7	109.1

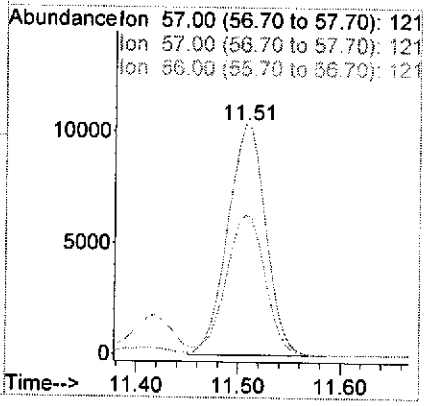


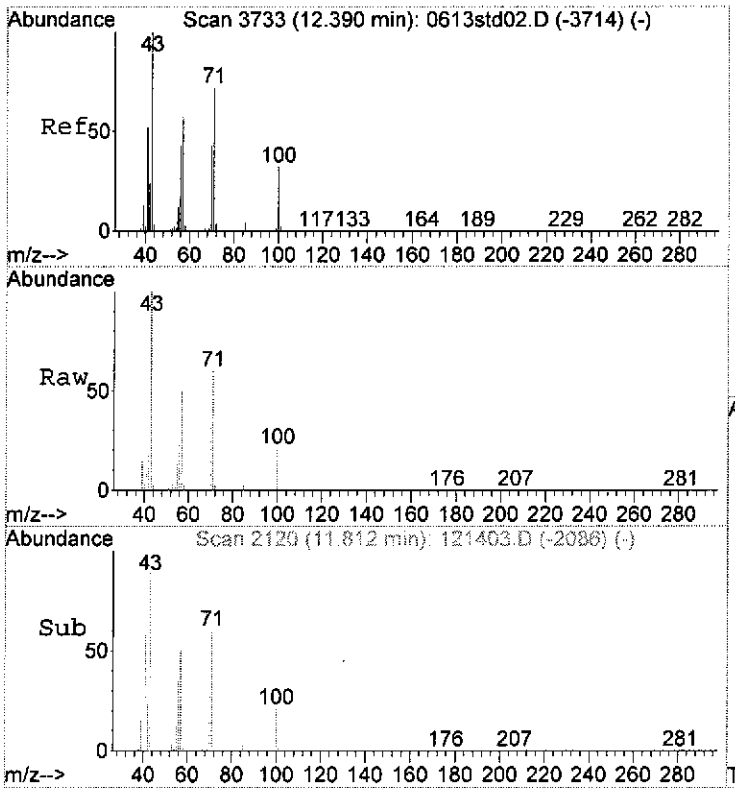


#41
Trimethylpentane,_2,2,4-
Concen: 1.48 ppbV
RT: 11.51 min Scan# 2065
Delta R.T. -0.02 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 57 Resp: 26802

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
56	0.0	29.2	43.8#

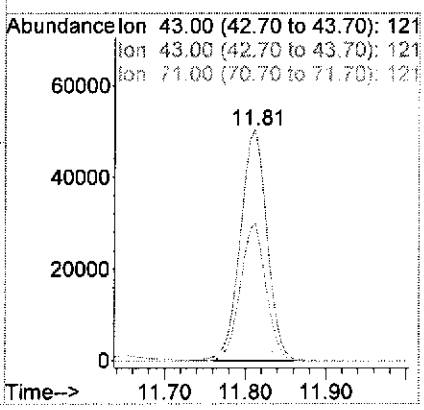


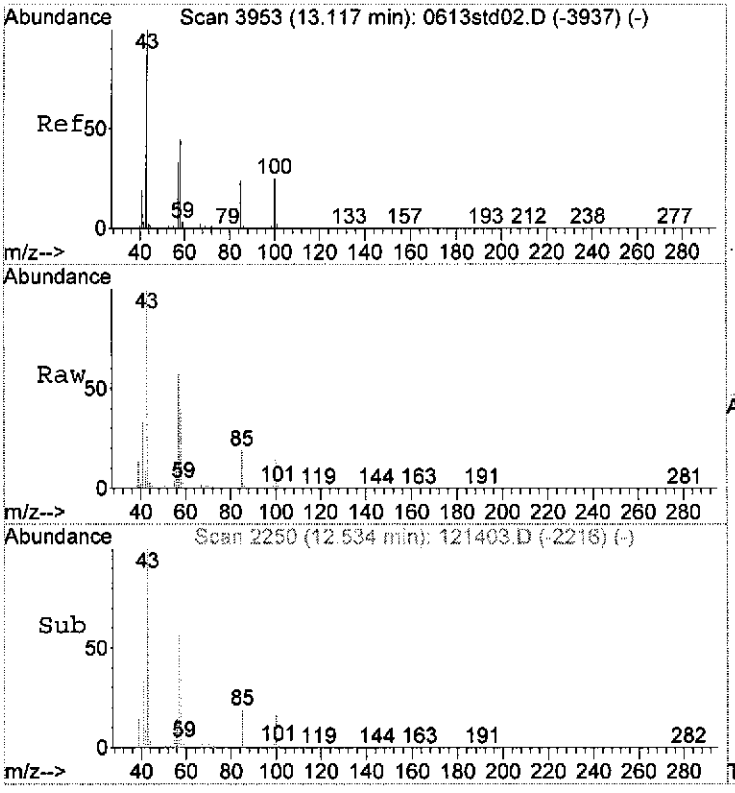


#42
Heptane
Concen: 7.31 ppbV
RT: 11.81 min Scan# 2120
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 43 Resp: 115058

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
71	57.3	48.7	73.1

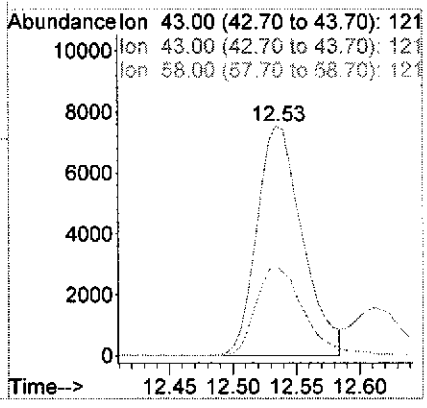


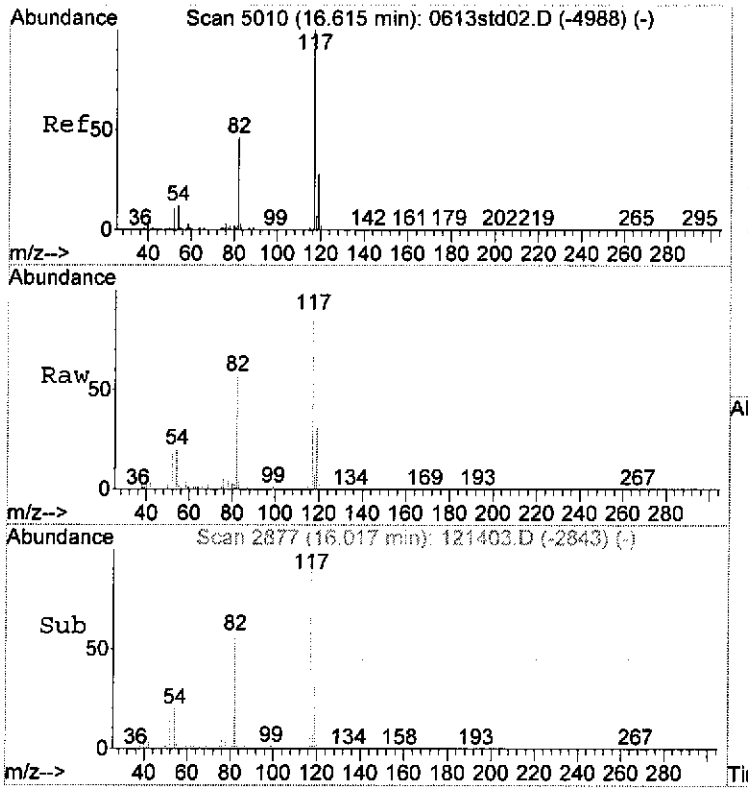


#44
Methyl_isobutyl_ketone
Concen: 1.12 ppbV
RT: 12.53 min Scan# 2250
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 43 Resp: 18845

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	41.2	33.5	50.3

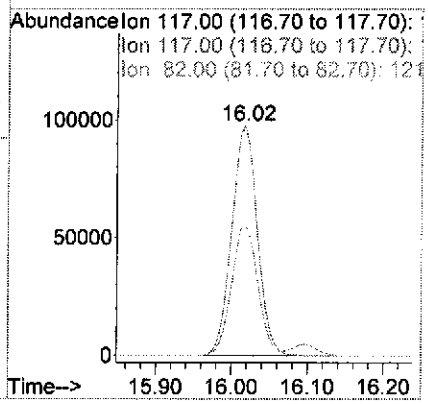


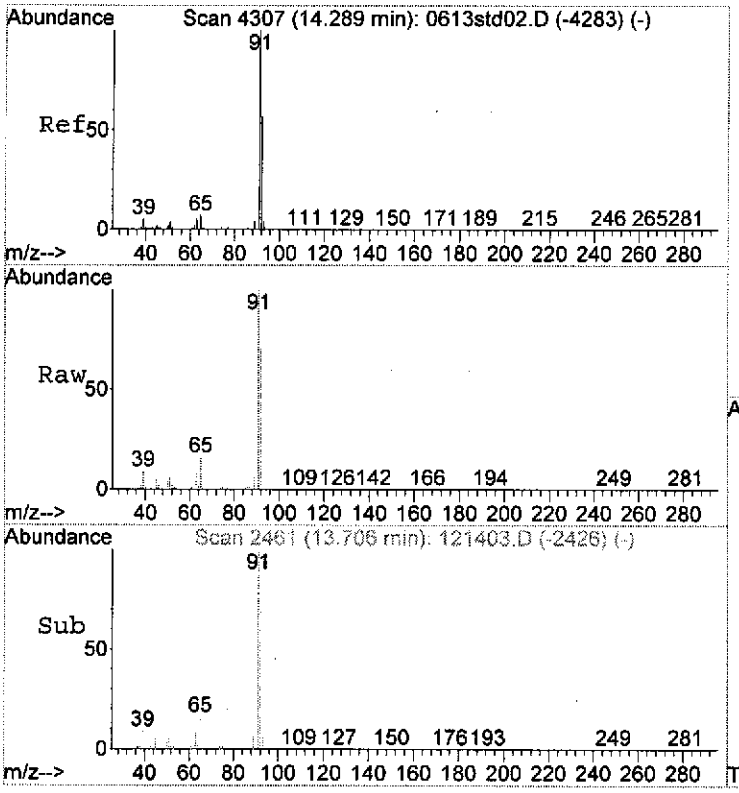


#47
Chlorobenzene, d-5 (IS)
Concen: 10.00 ppbV
RT: 16.02 min Scan# 2877
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:117 Resp: 229293

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.4	47.3	70.9

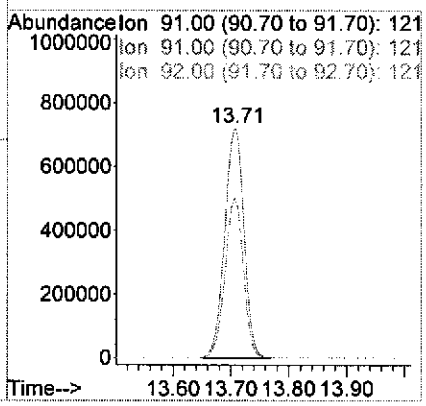


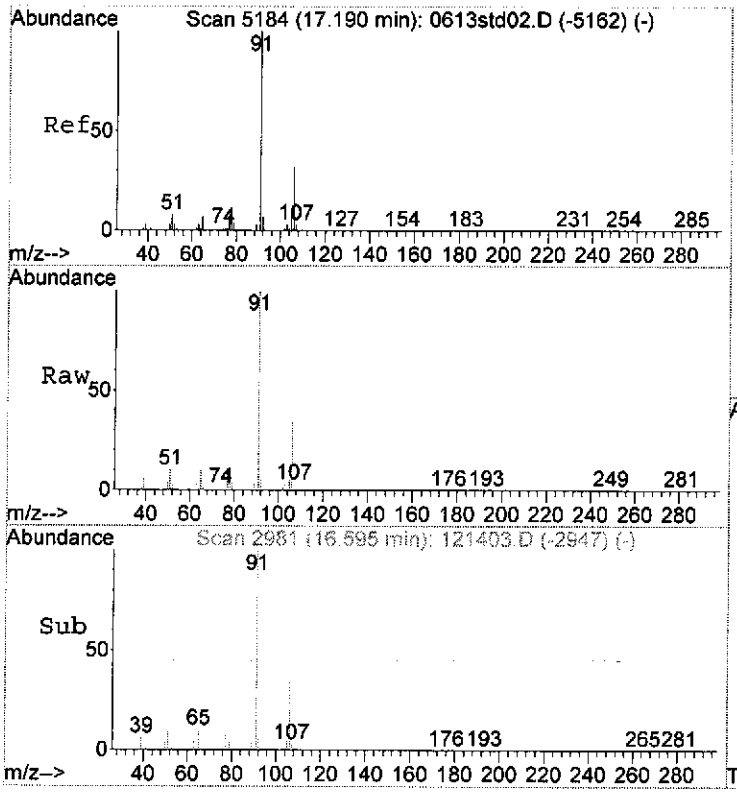


#48
Toluene
Concen: 48.39 ppbV
RT: 13.71 min Scan# 2461
Delta R.T. -0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 91 Resp: 1680279

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	67.1	50.9	76.3

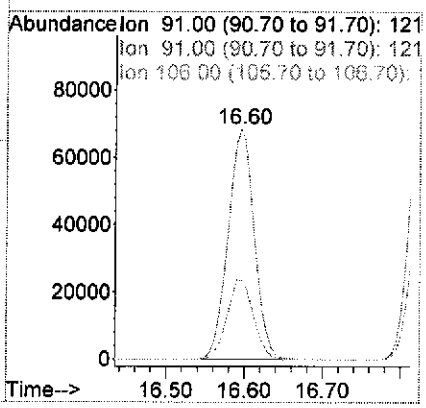


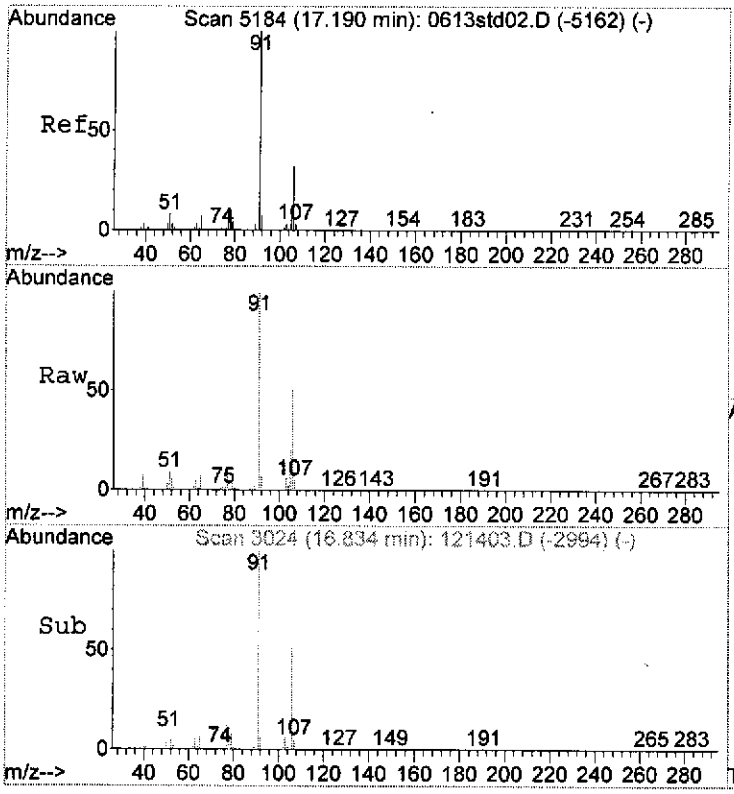


#54
Ethylbenzene
Concen: 4.06 ppbV
RT: 16.60 min Scan# 2981
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 91 Resp: 159947

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	35.1	29.0	43.6

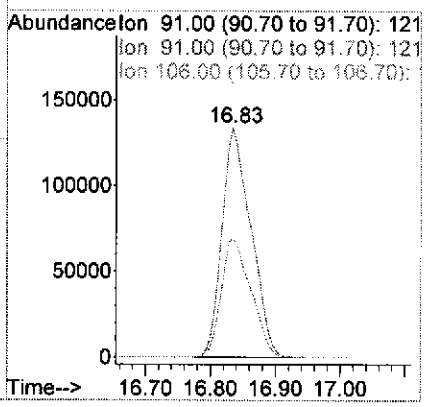


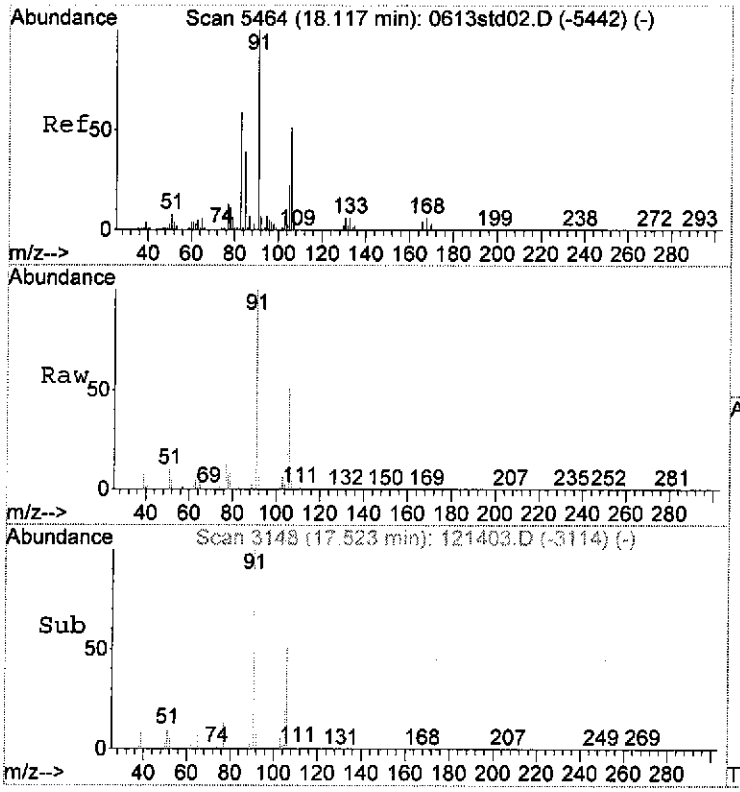


#55
Xylene,_m_&_p-
Concen: 6.22 ppbV
RT: 16.83 min Scan# 3024
Delta R.T. -0.03 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 91 Resp: 412419

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	52.9	44.4	66.6

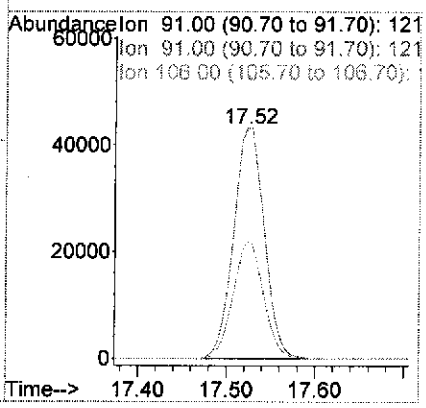


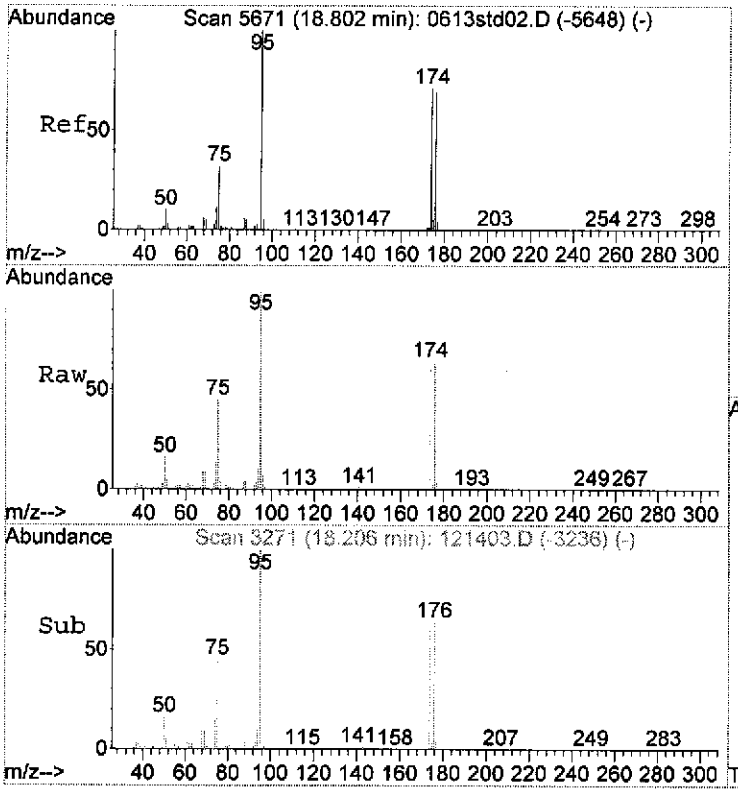


#59
Xylene,_o-
Concen: 2.80 ppbV
RT: 17.52 min Scan# 3148
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 91 Resp: 103546

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	50.2	42.5	63.7

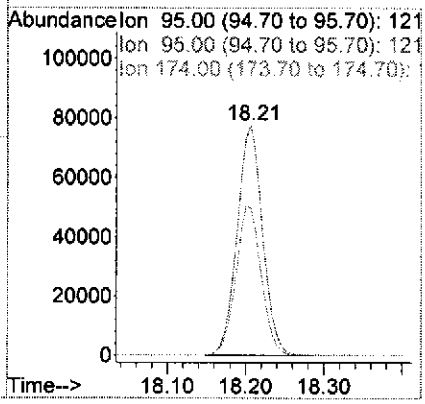


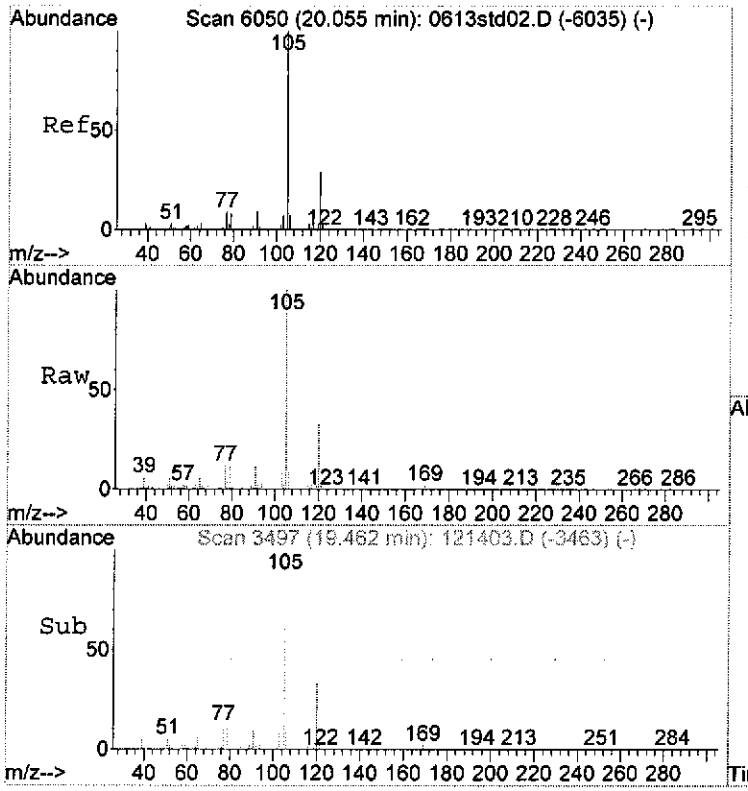


#60
Bromofluorobenzene_(tune_std)
Concen: 2.80 ppbV
RT: 18.21 min Scan# 3271
Delta R.T. -0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion: 95 Resp: 176156

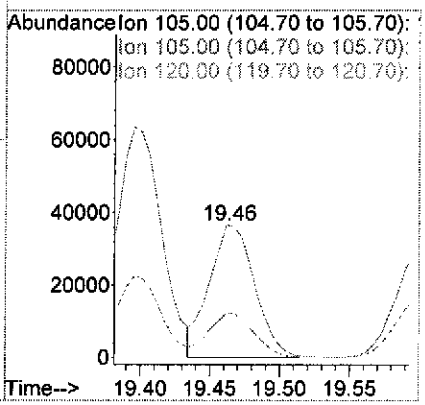
Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	64.8	54.1	81.1

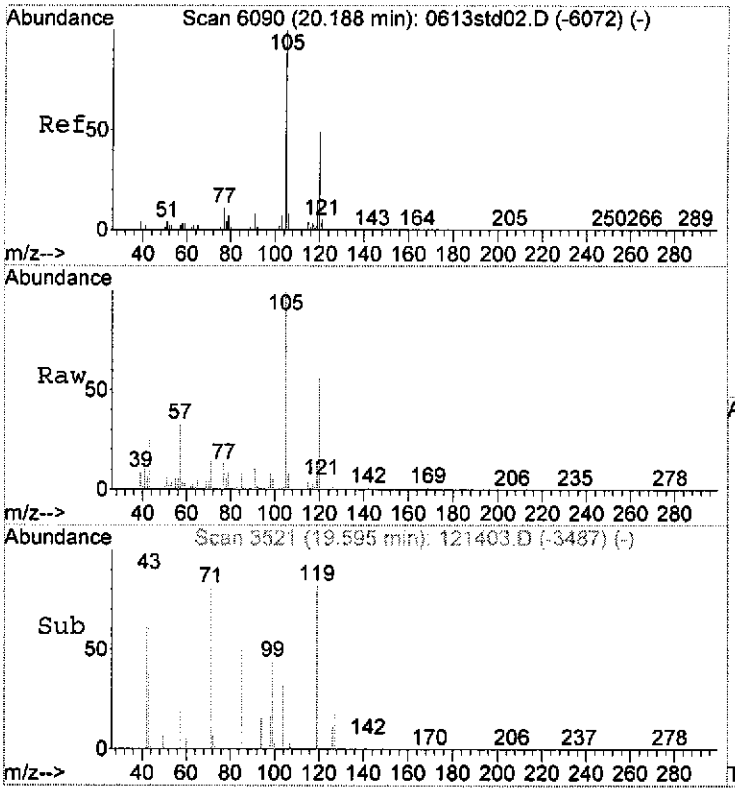




#63
Ethyltoluene,_4-
Concen: 1.91 ppbV
RT: 19.46 min Scan# 3497
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

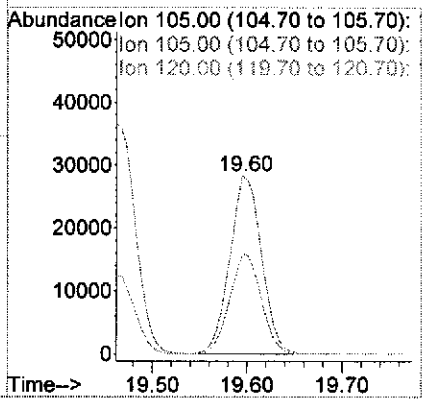
Tgt Ion:105	Resp:	82595	
Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	33.8	28.4	42.6

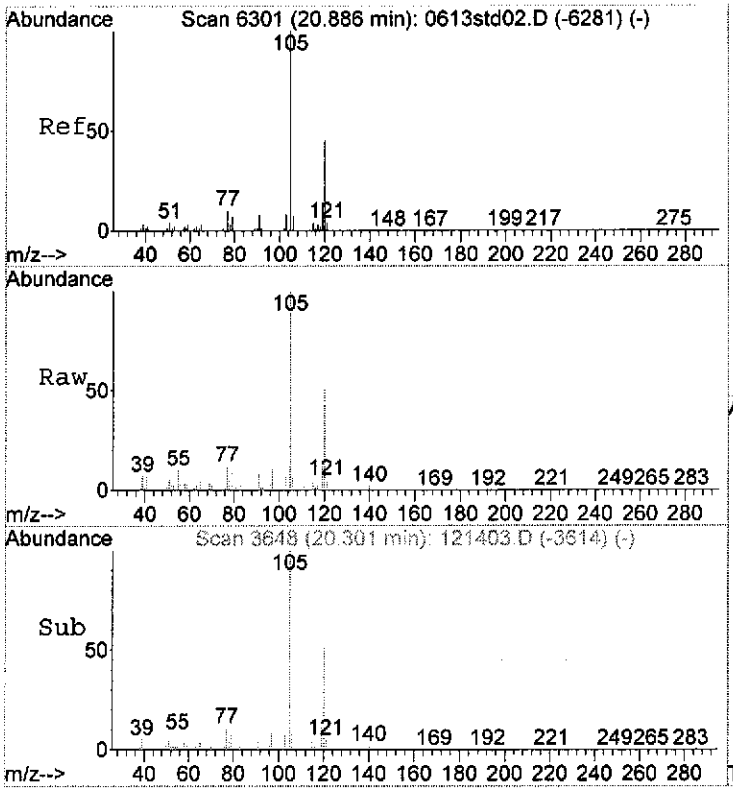




#64
Trimethylbenzene,_1,3,5-
Concen: 1.70 ppbV
RT: 19.60 min Scan# 3521
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:105	Resp:	65787	
Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	55.8	44.6	66.8

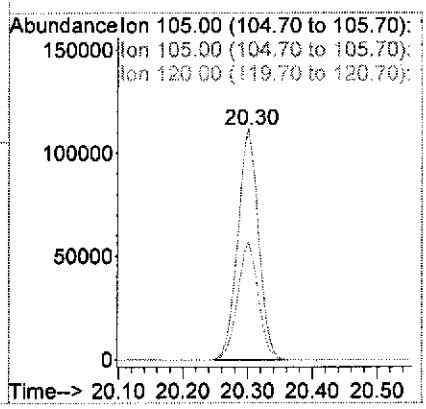


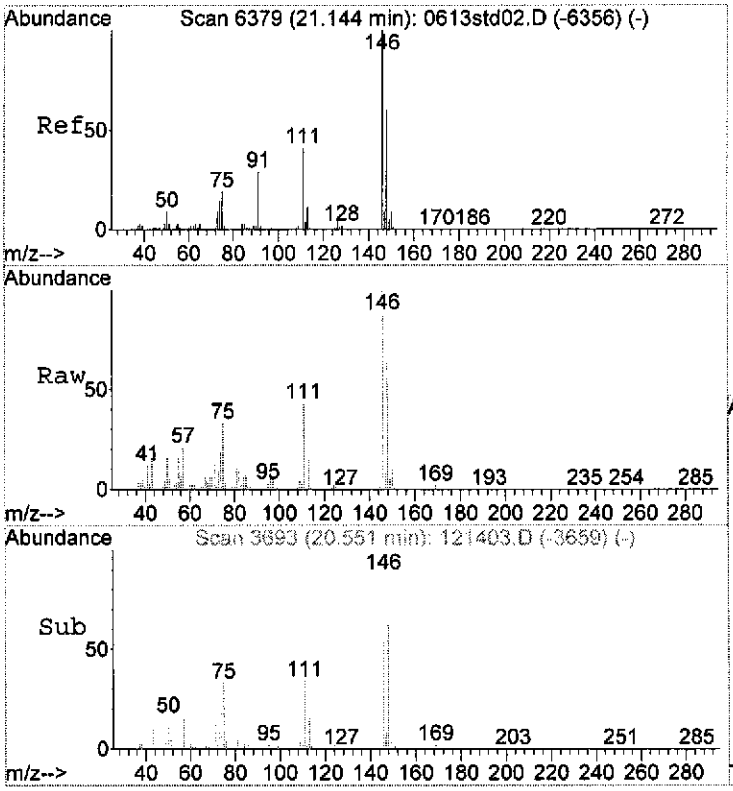


#65
Trimethylbenzene,_1,2,4-
Concen: 6.71 ppbV
RT: 20.30 min Scan# 3648
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:105 Resp: 248147

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	50.8	42.0	63.0

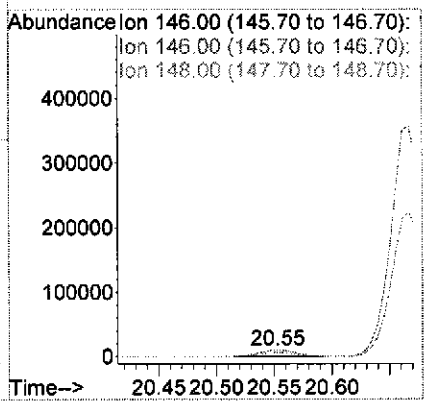


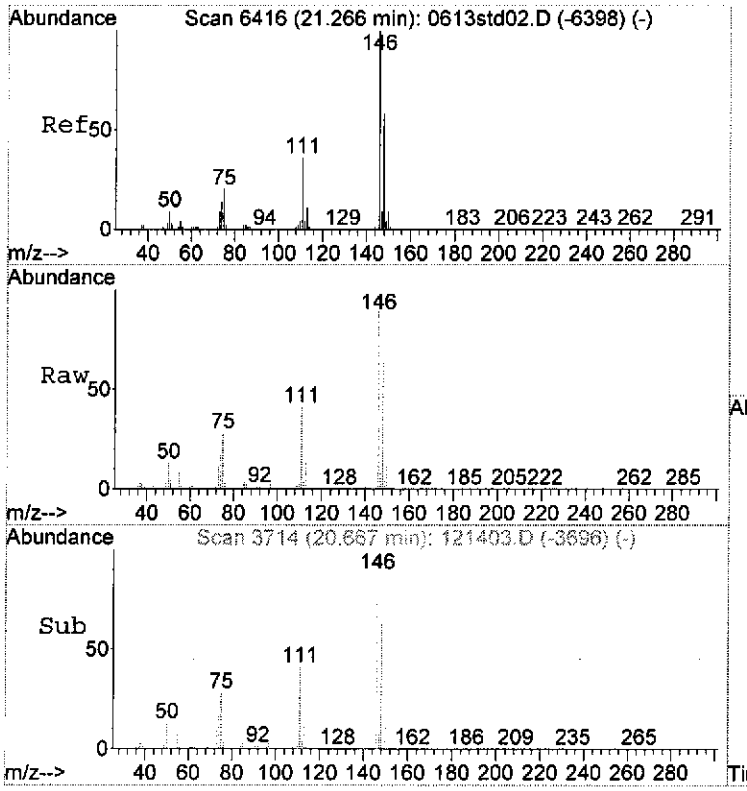


#67
Dichlorobenzene,_1,3-
Concen: 0.78 ppbV
RT: 20.55 min Scan# 3693
Delta R.T. -0.01 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:146 Resp: 23132

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	63.2	50.1	75.1

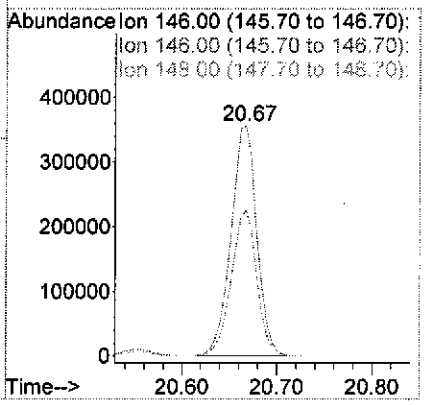


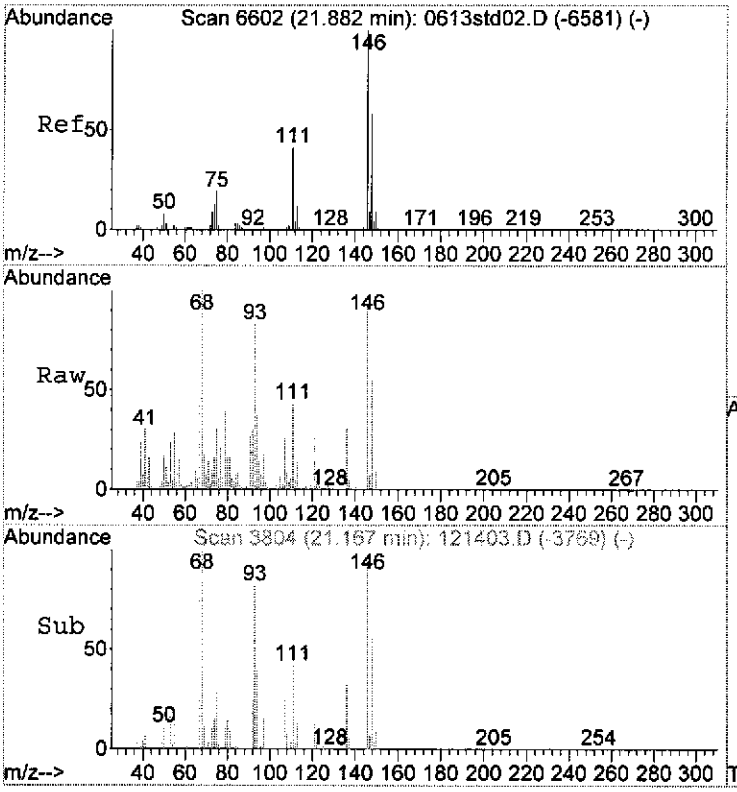


#68
Dichlorobenzene,_1,4-
Concen: 24.38 ppbV
RT: 20.67 min Scan# 3714
Delta R.T. 0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:146 Resp: 672240

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	62.5	50.0	75.0

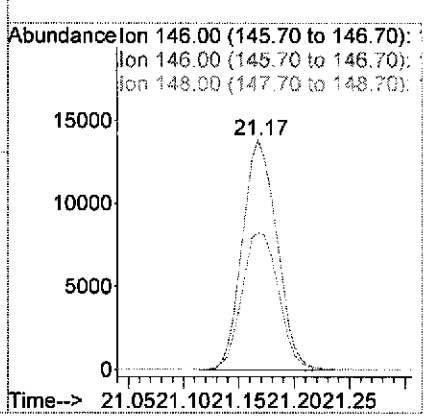




#69
Dichlorobenzene,_1,2-
Concen: 1.20 ppbV
RT: 21.17 min Scan# 3804
Delta R.T. -0.00 min
Lab File: 121403.D
Acq: 14 Dec 06 17:32

Tgt Ion:146 Resp: 29800

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	63.3	49.6	74.4

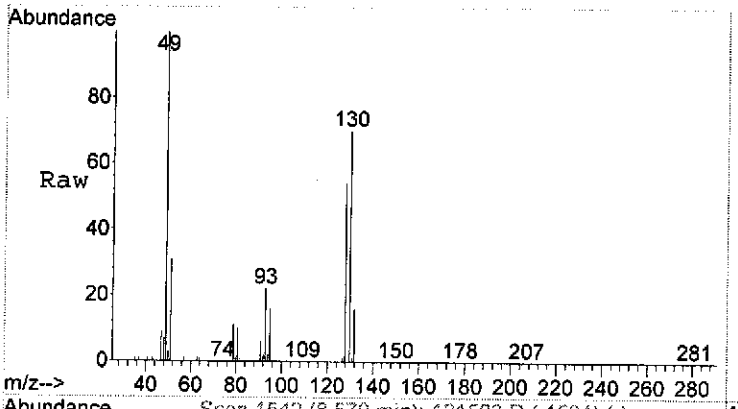


Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121503.D
Acq On : 15 Dec 06 19:16
Operator : .
Sample : 60695-02 x 25 dil.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:18:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	63390	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	306595	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	281262	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	194848	9.44	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 94.40%			
Target Compounds						Qvalue
12) Acetone	5.50	43	80739	7.76	ppbV	#64 84
17) Methylene_chloride	6.41	49	5096	0.54	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	17754	1.22	ppbV	99
48) Toluene	13.70	91	46958	1.10	ppbV	100

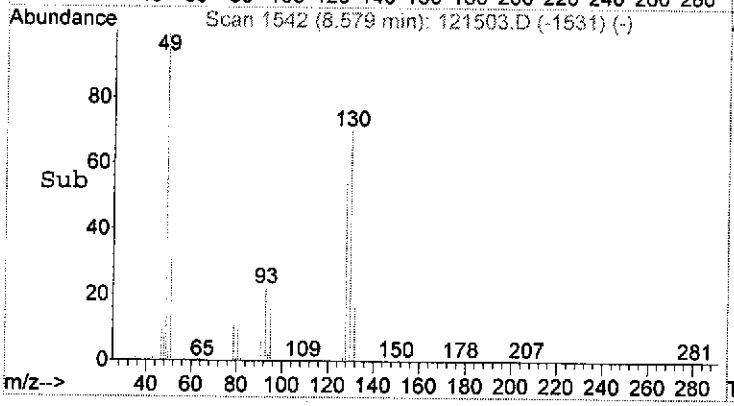
(#) = qualifier out of range (m) = manual integration (+) = signals summed

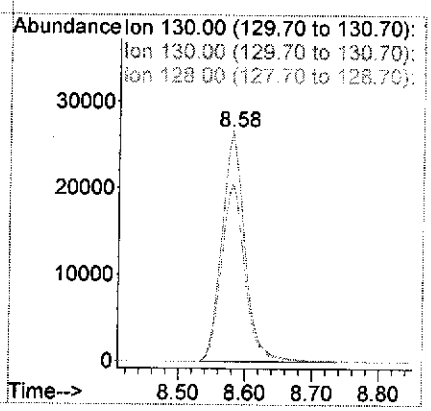


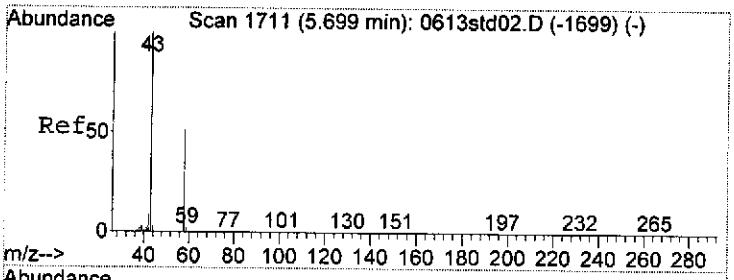
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.58 min Scan# 1542
Delta R.T. -0.03 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion:130 Resp: 63390

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	79.1	62.6	94.0



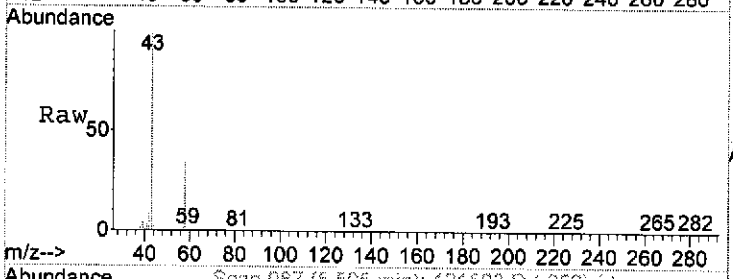


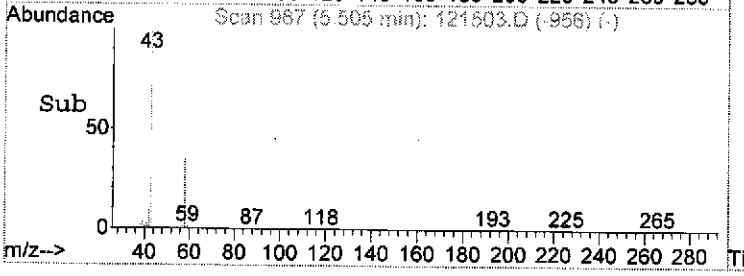


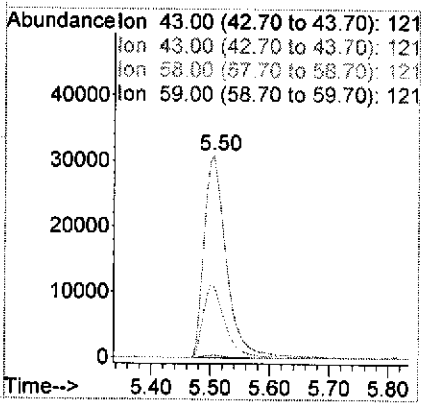
#12
Acetone
Concen: 7.76 ppbV
RT: 5.50 min Scan# 987
Delta R.T. -0.03 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

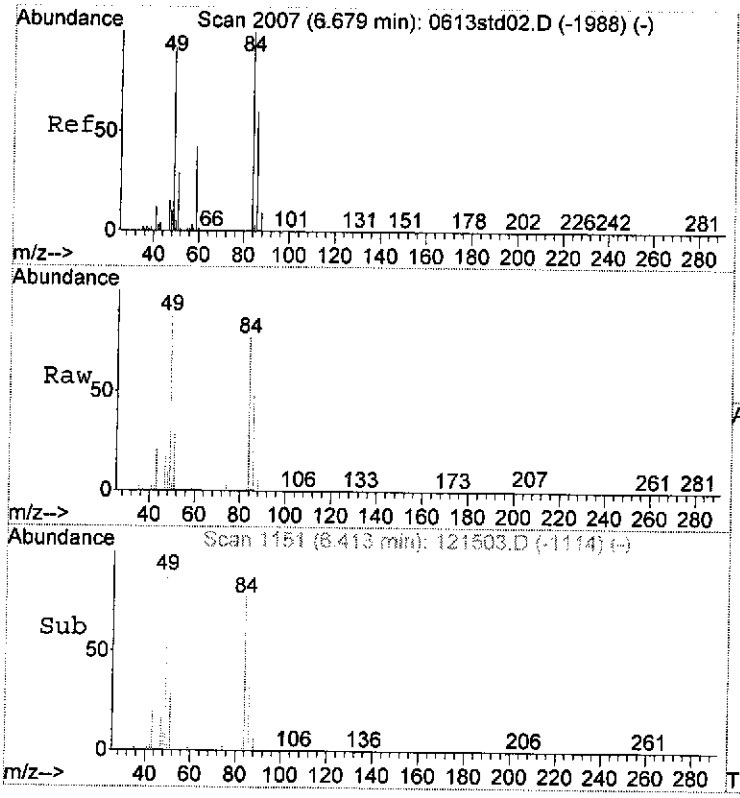
Tgt Ion: 43 Resp: 80739

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	0.0	28.0	42.0#
59	1.0	0.9	1.3





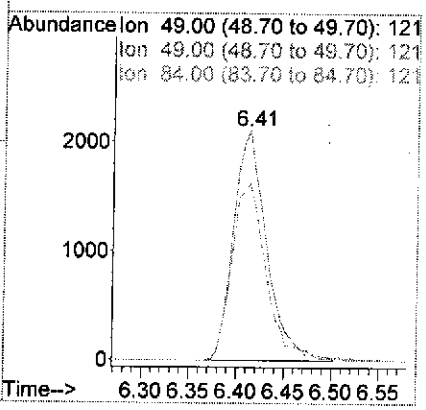


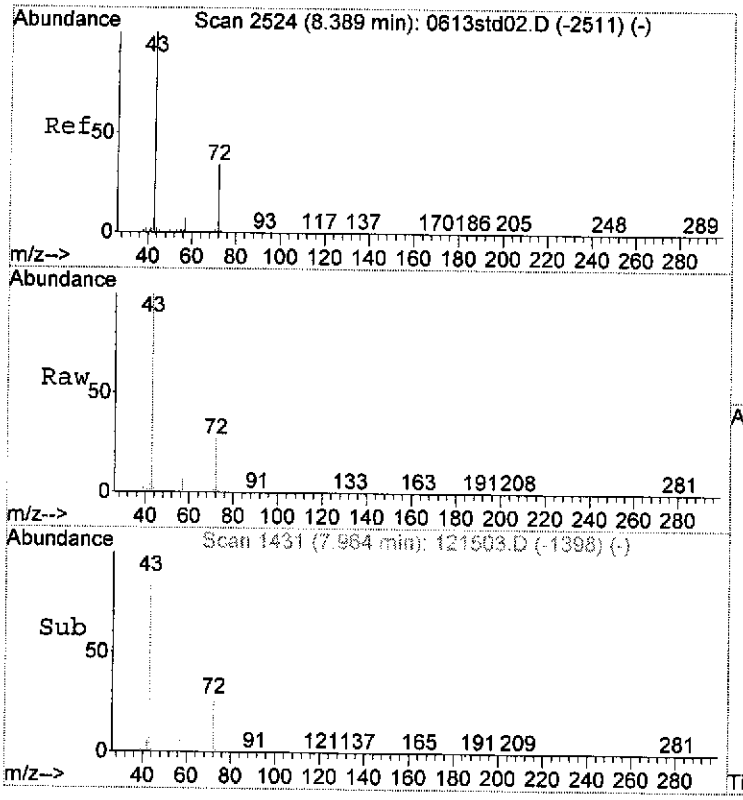


#17
Methylene_chloride
Concen: 0.54 ppbV
RT: 6.41 min Scan# 1151
Delta R.T. 0.00 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion: 49 Resp: 5096

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	79.8	64.5	96.7

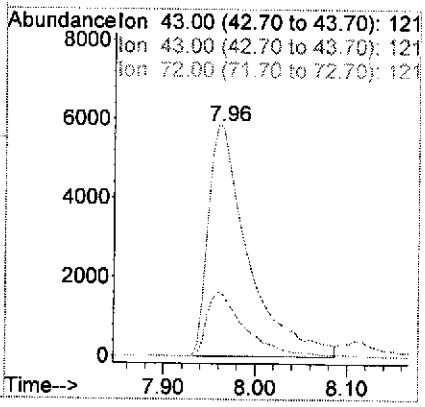


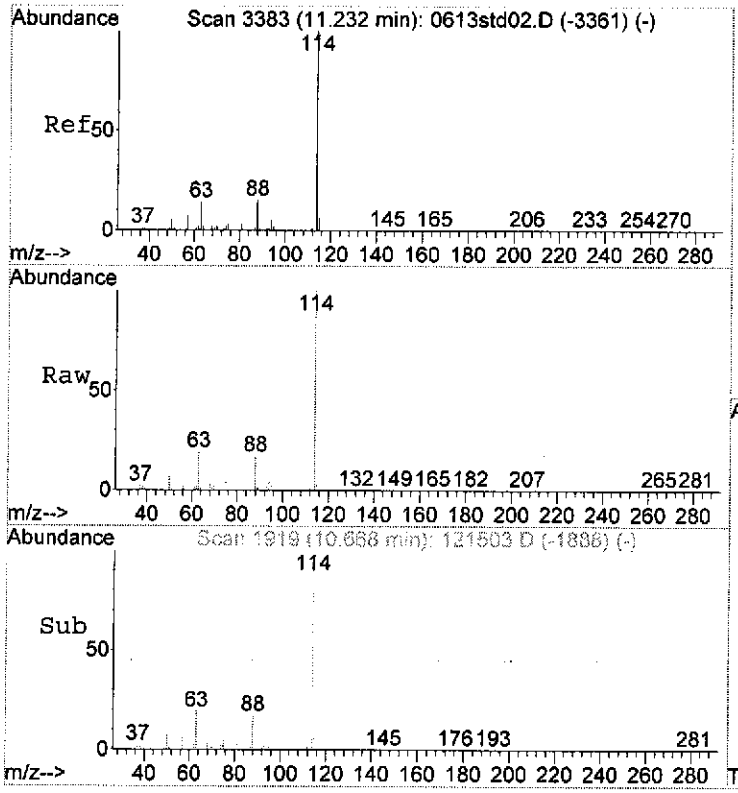


#25
Methyl_ethyl_ketone
Concen: 1.22 ppbV
RT: 7.96 min Scan# 1431
Delta R.T. -0.02 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion: 43 Resp: 17754

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	26.6	22.6	33.8

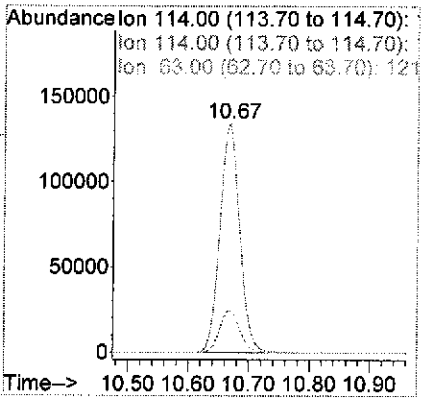


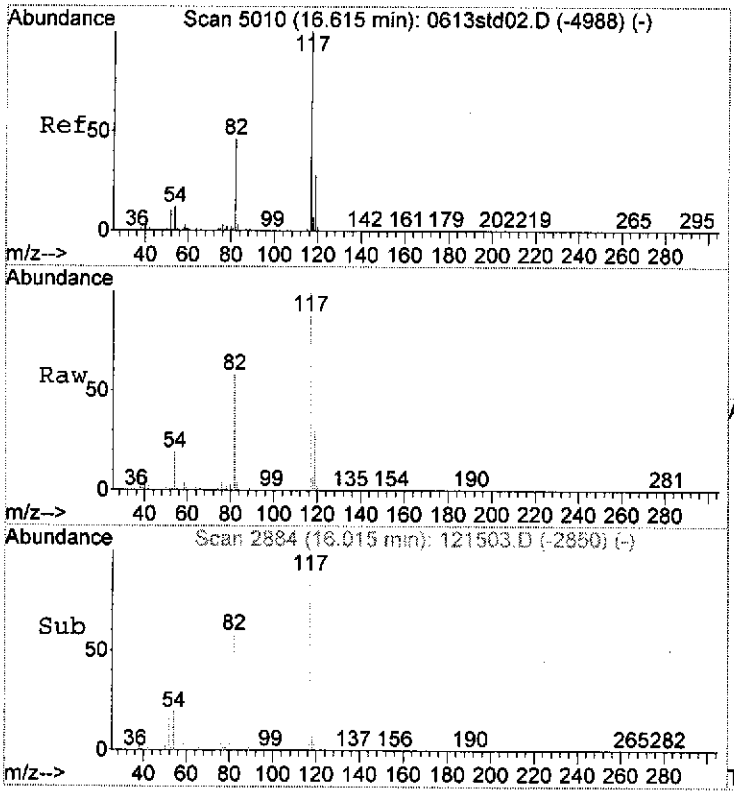


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.67 min Scan# 1919
Delta R.T. -0.03 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion:114 Resp: 306595

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	18.9	15.8	23.6

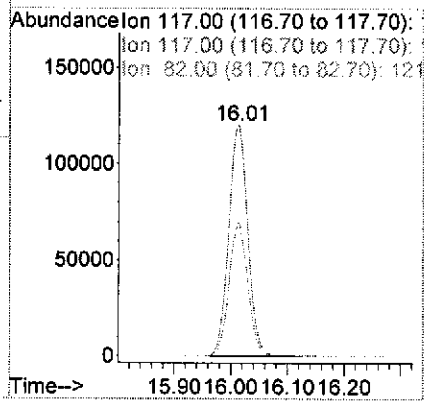


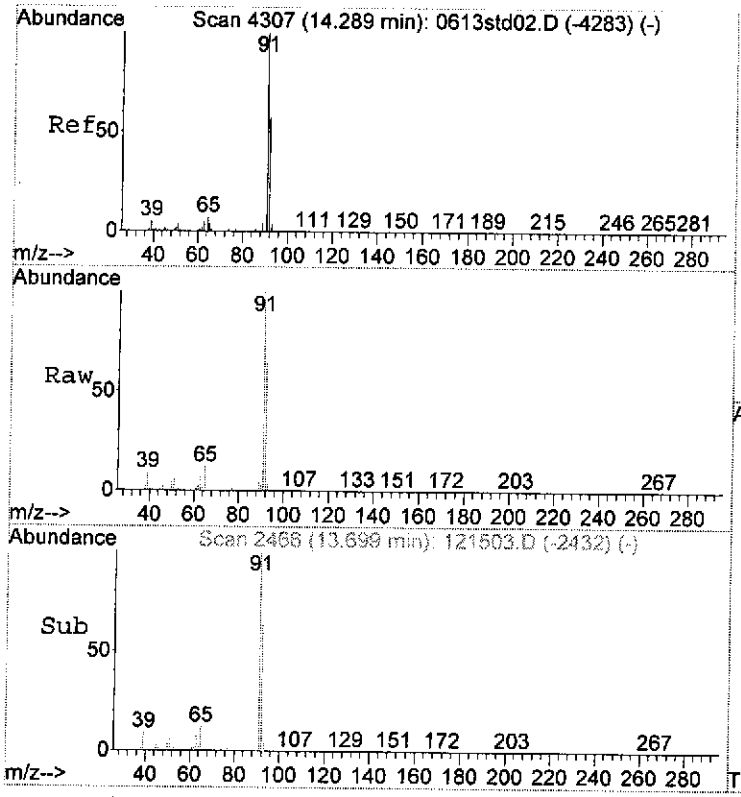


#47
Chlorobenzene,_d-5__(IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2884
Delta R.T. -0.01 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion:117 Resp: 281262

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	57.6	47.3	70.9

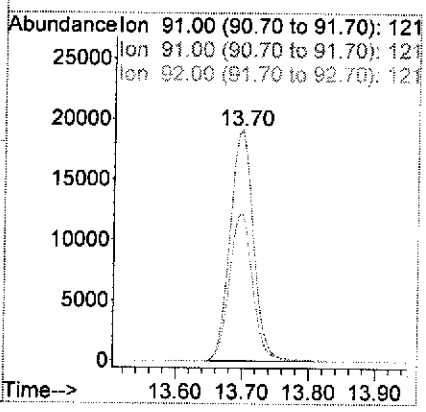


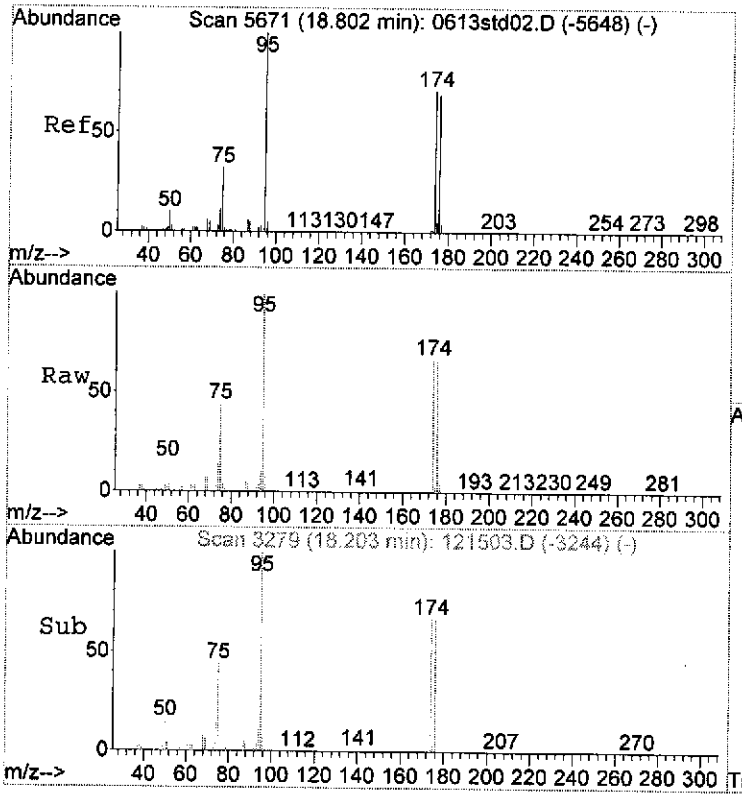


#48
Toluene
Concen: 1.10 ppbV
RT: 13.70 min Scan# 2466
Delta R.T. -0.01 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion: 91 Resp: 46958

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	63.7	50.9	76.3

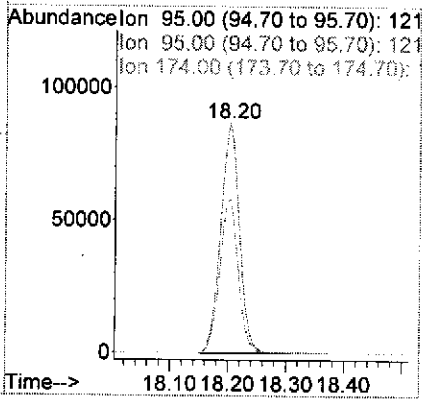




#60
Bromofluorobenzene_(tune_std)
Concen: Below ppbV
RT: 18.20 min Scan# 3279
Delta R.T. -0.01 min
Lab File: 121503.D
Acq: 15 Dec 06 19:16

Tgt Ion: 95 Resp: 194848

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	66.6	54.1	81.1



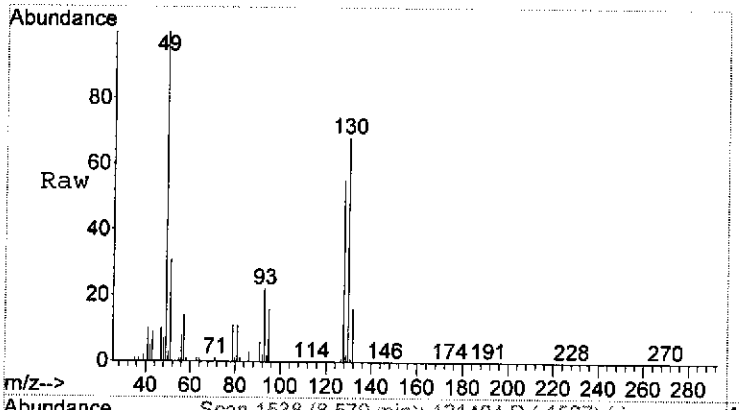
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121404.D
Acq On : 14 Dec 06 18:18
Operator : .
Sample : 60695-03.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:46:28 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	52162	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	265977	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	248523	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	181027	9.93	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.30%			
Target Compounds						Qvalue
12) Acetone	5.50	43	163037	19.04	ppbV	98
17) Methylene_chloride	6.41	49	8780	1.13	ppbV	100
25) Methyl_ethyl_ketone	7.95	43	52765	4.40	ppbV	100
27) Hexane	8.60	57	41497	3.39	ppbV	99
29) Chloroform	8.72	83	9231	0.68	ppbV	100
34) Benzene	10.28	78	25681	0.90	ppbV	100
36) Cyclohexane	10.58	56	8352	0.57	ppbV	99
41) Trimethylpentane,_2,2,4-	11.50	57	11628	0.57	ppbV	# 84
42) Heptane	11.80	43	9772	0.55	ppbV	97
48) Toluene	13.69	91	142898	3.80	ppbV	100
54) Ethylbenzene	16.59	91	22732	0.53	ppbV	99
55) Xylene,_m_&_p-	16.83	91	57027	0.79	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	20674	0.52	ppbV	100

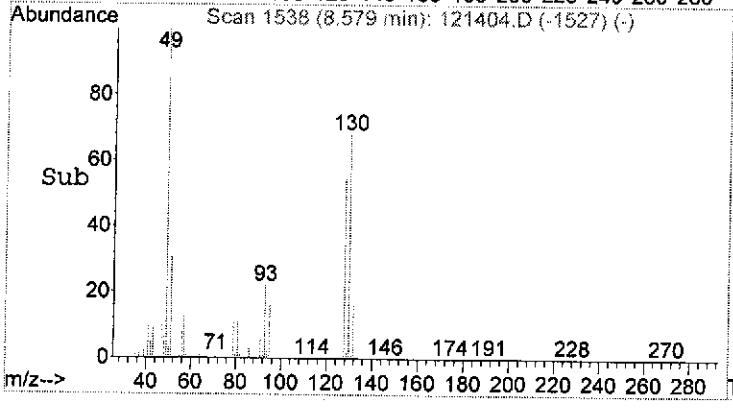
(#) = qualifier out of range (m) = manual integration (+) = signals summed

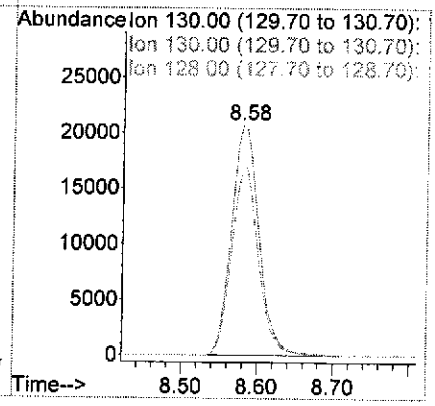


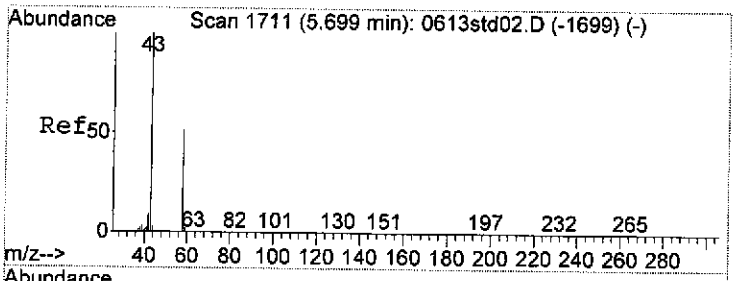
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.58 min Scan# 1538
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion:130 Resp: 52162

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	80.1	62.6	94.0



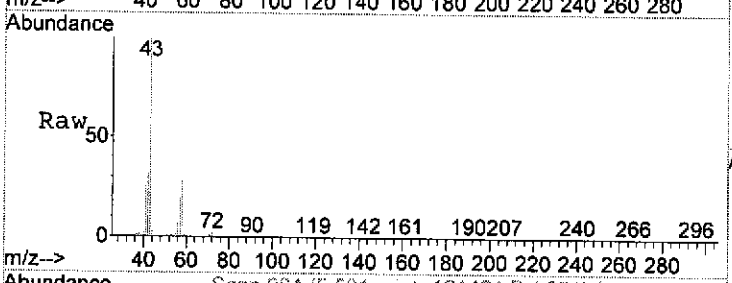


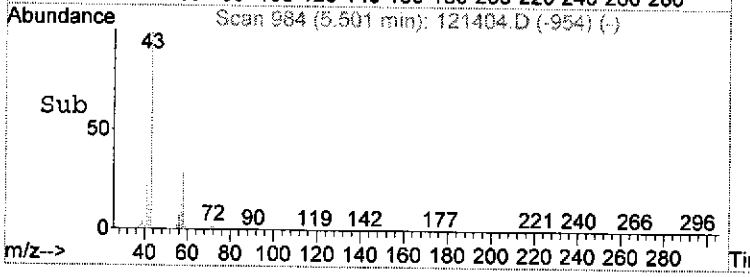


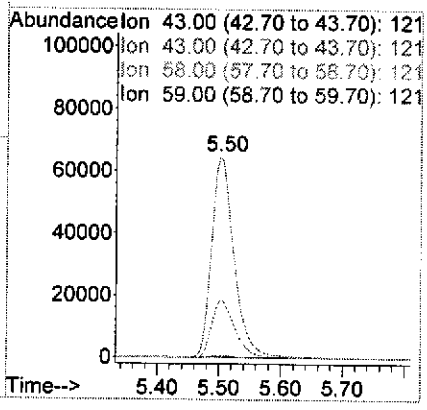
#12
Acetone
Concen: 19.04 ppbV
RT: 5.50 min Scan# 984
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

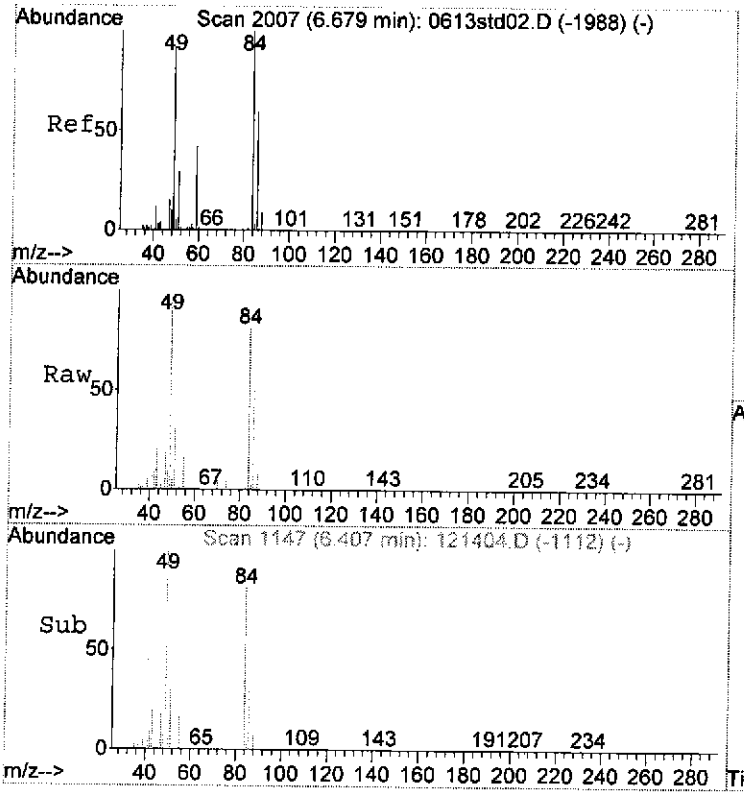
Tgt Ion: 43 Resp: 163037

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	30.3	28.0	42.0
59	1.1	0.9	1.3





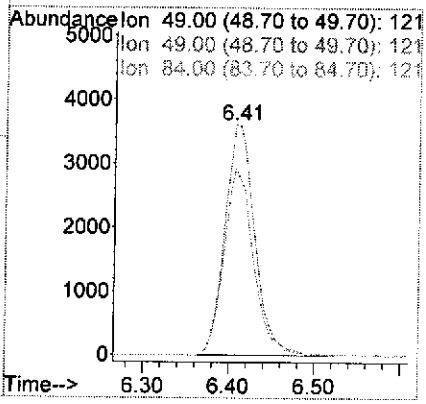


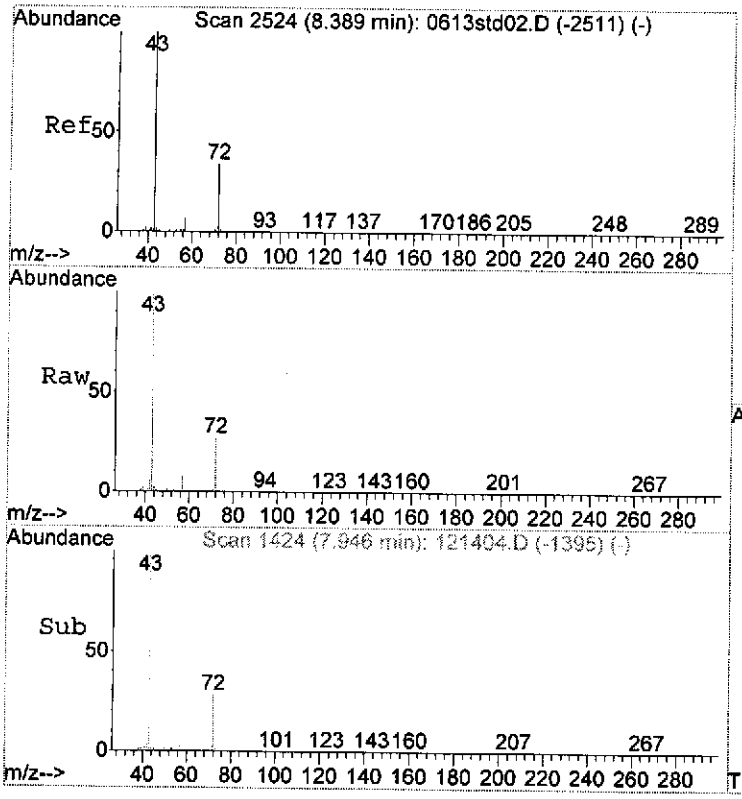


#17
Methylene_chloride
Concen: 1.13 ppbV
RT: 6.41 min Scan# 1147
Delta R.T. -0.00 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 49 Resp: 8780

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	80.2	64.5	96.7

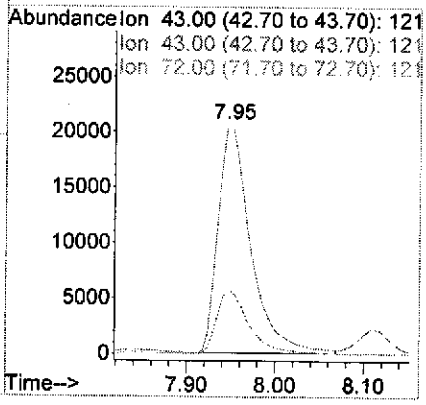


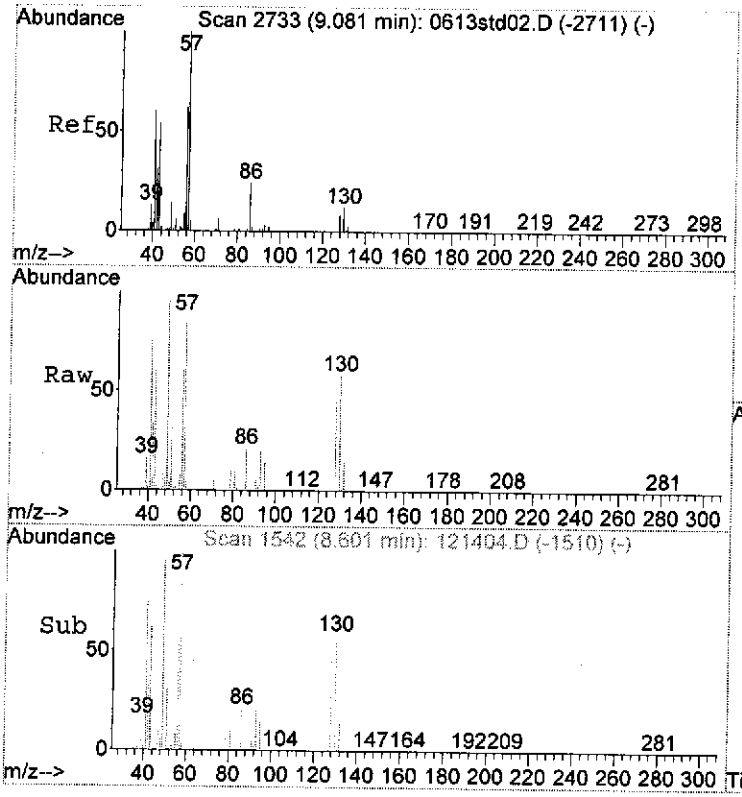


#25
Methyl_ethyl_ketone
Concen: 4.40 ppbV
RT: 7.95 min Scan# 1424
Delta R.T. -0.04 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 43 Resp: 52765

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	27.4	22.6	33.8

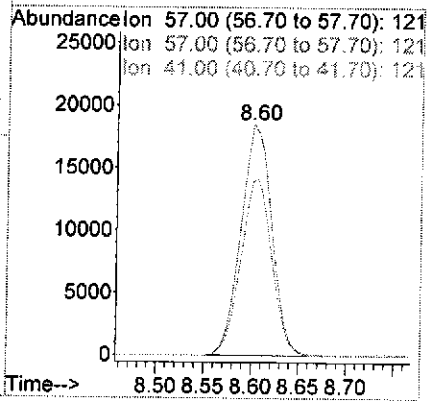


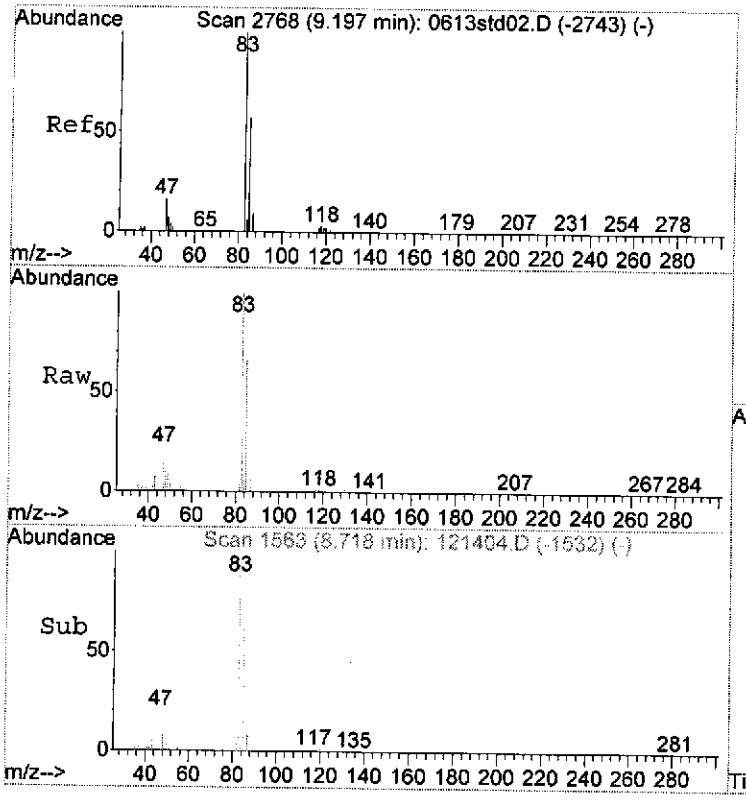


#27
Hexane
Concen: 3.39 ppbV
RT: 8.60 min Scan# 1542
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 57 Resp: 41497

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	77.4	64.3	96.5

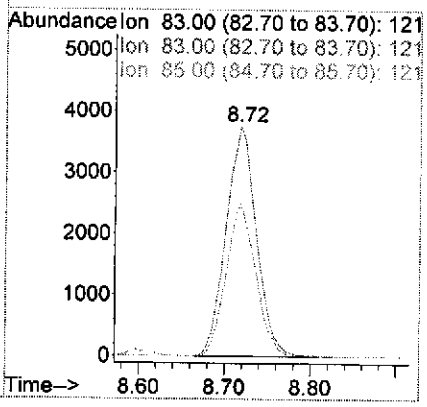


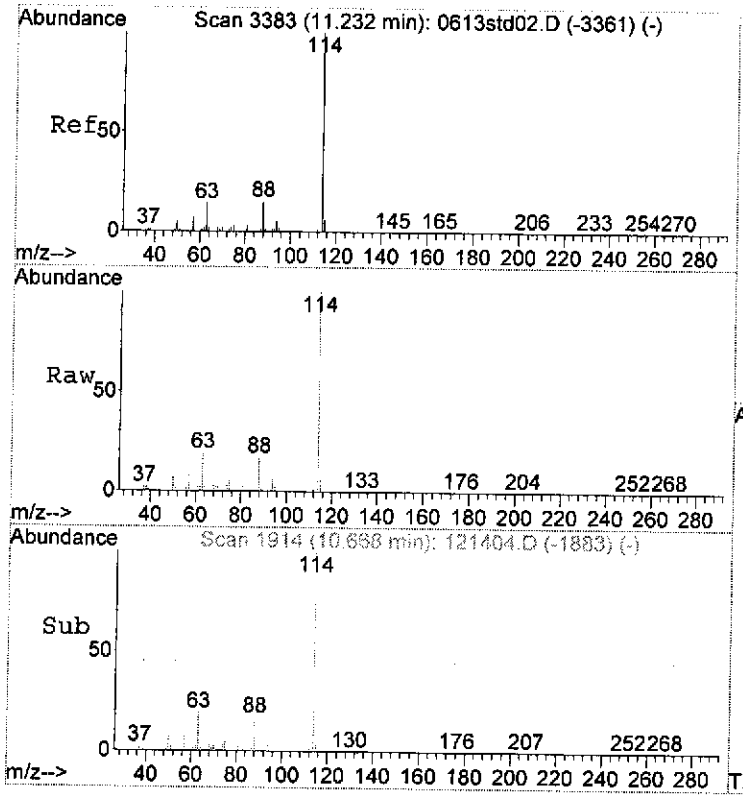


#29
Chloroform
Concen: 0.68 ppbV
RT: 8.72 min Scan# 1563
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 83 Resp: 9231

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	64.4	51.0	76.6

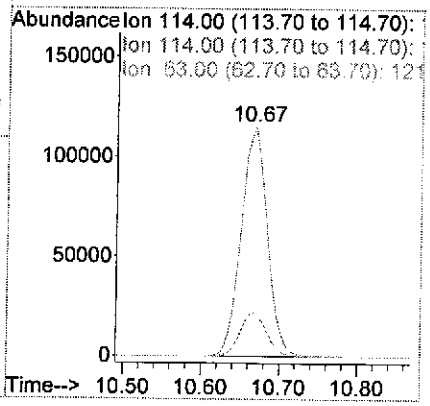


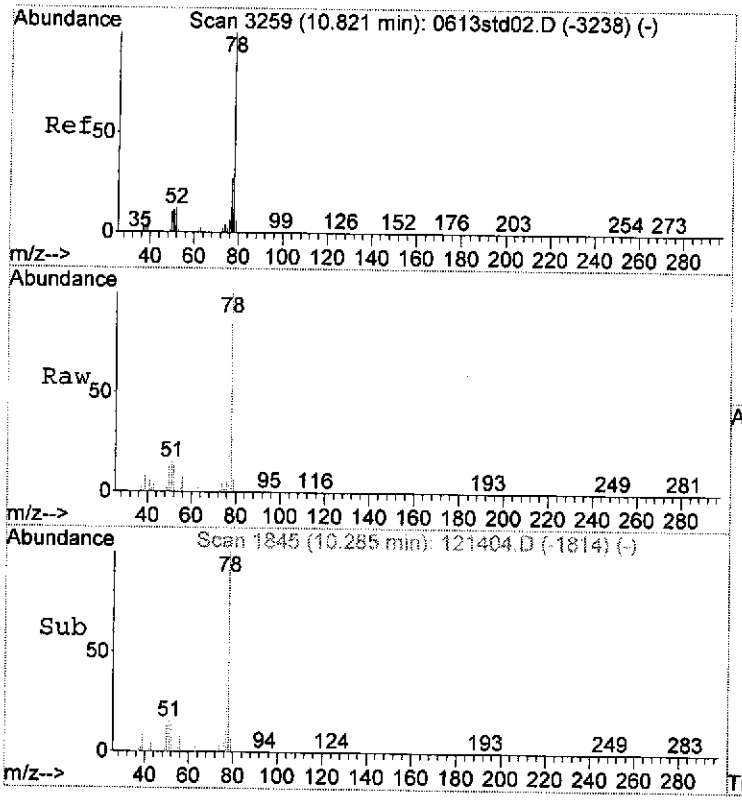


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.67 min Scan# 1914
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion:114 Resp: 265977

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.3	15.8	23.6

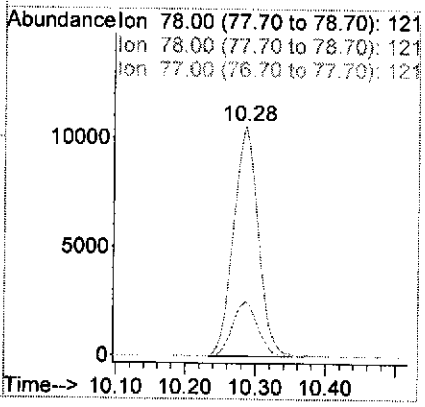


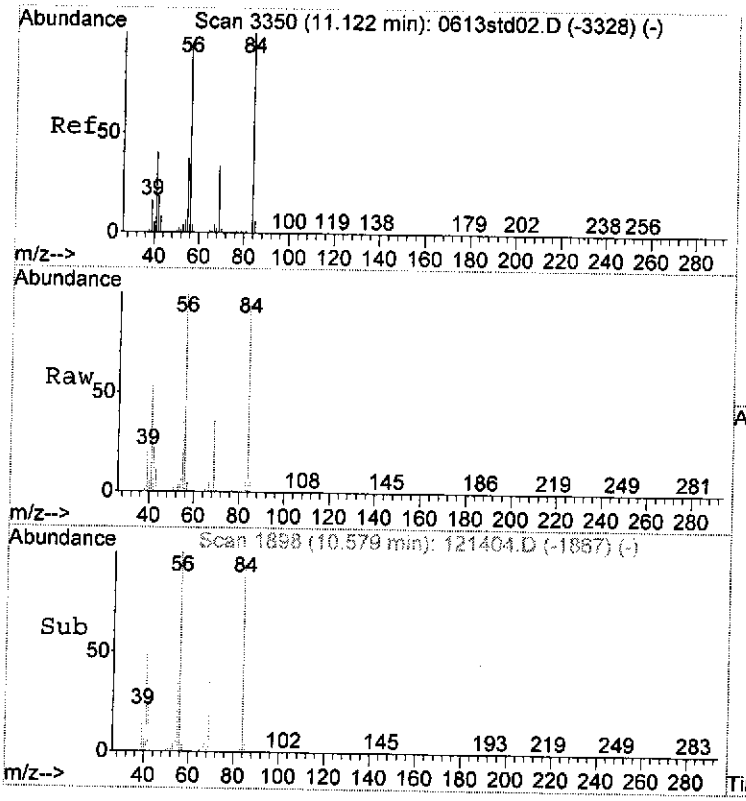


#34
Benzene
Concen: 0.90 ppbV
RT: 10.28 min Scan# 1845
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 78 Resp: 25681

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	24.0	19.4	29.0

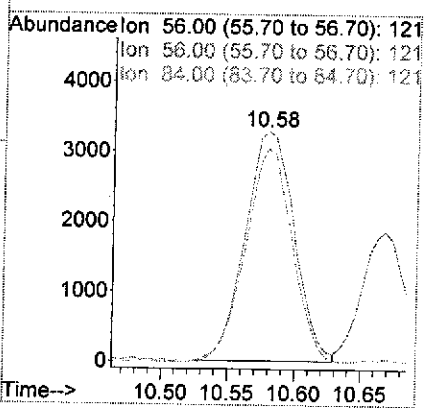


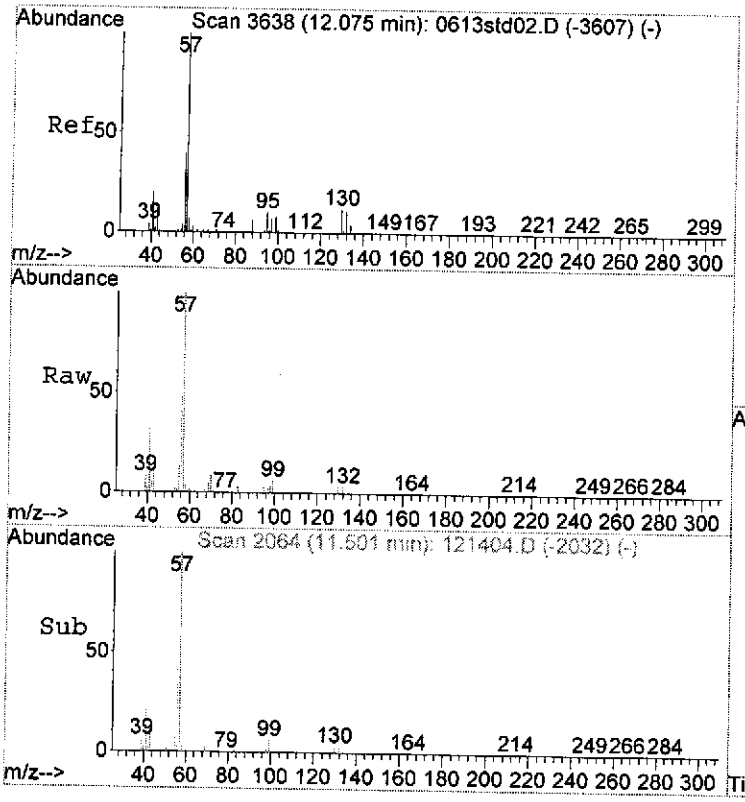


#36
Cyclohexane
Concen: 0.57 ppbV
RT: 10.58 min Scan# 1898
Delta R.T. -0.03 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 56 Resp: 8352

Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
84	89.0	72.7	109.1

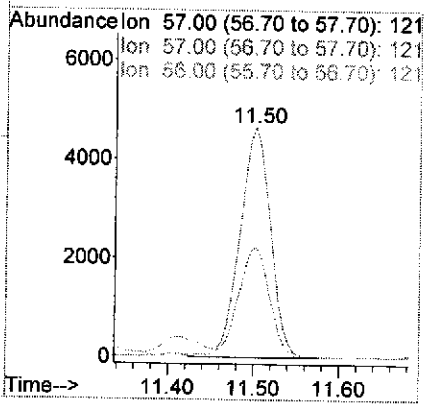


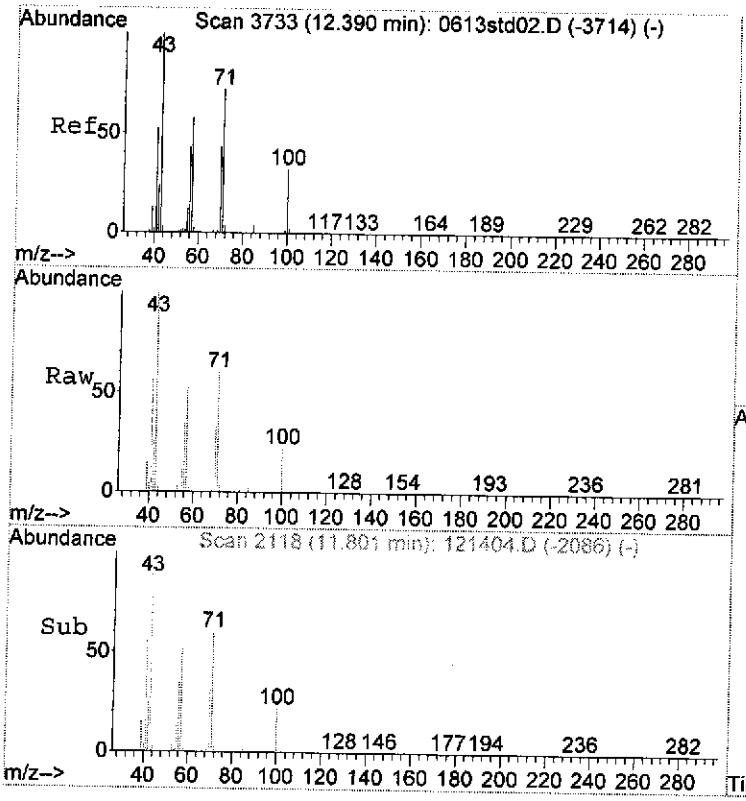


#41
Trimethylpentane,_2,2,4-
Concen: 0.57 ppbV
RT: 11.50 min Scan# 2064
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 57 Resp: 11628

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
56	0.0	29.2	43.8#

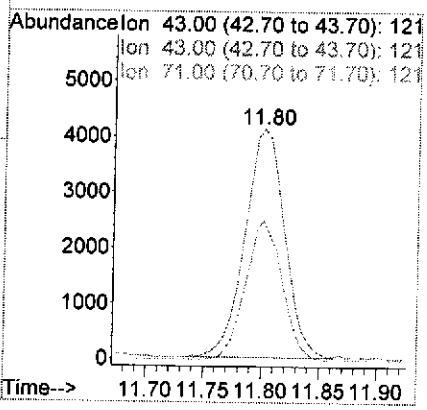


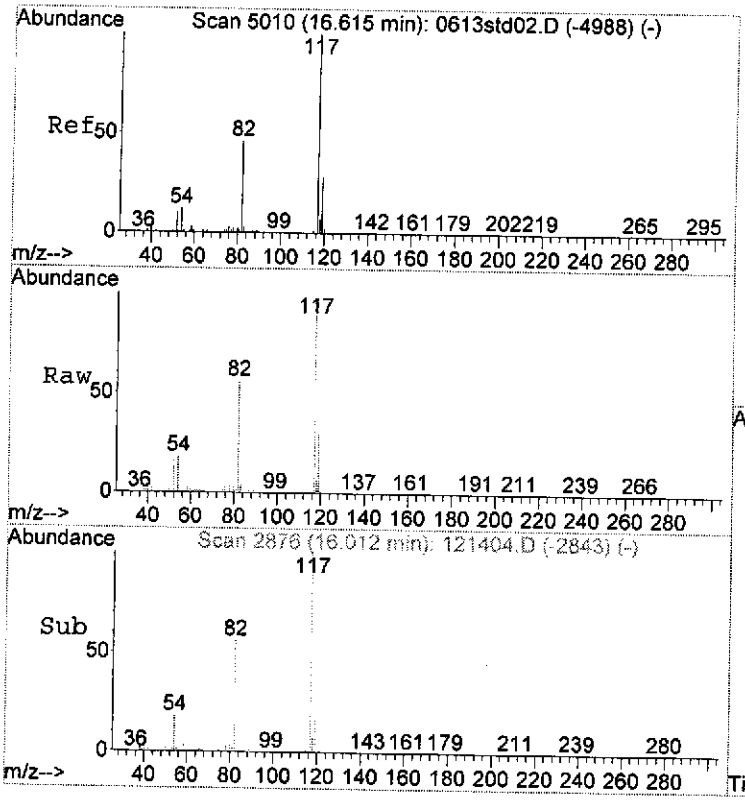


#42
Heptane
Concen: 0.55 ppbV
RT: 11.80 min Scan# 2118
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 43 Resp: 9772

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
71	55.6	48.7	73.1

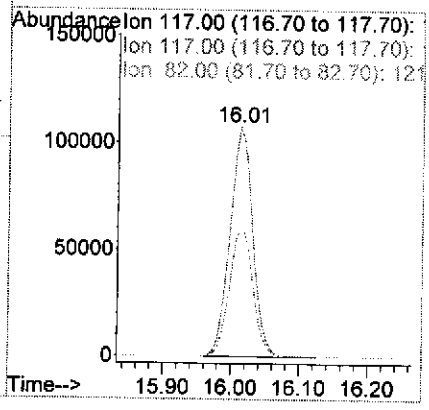


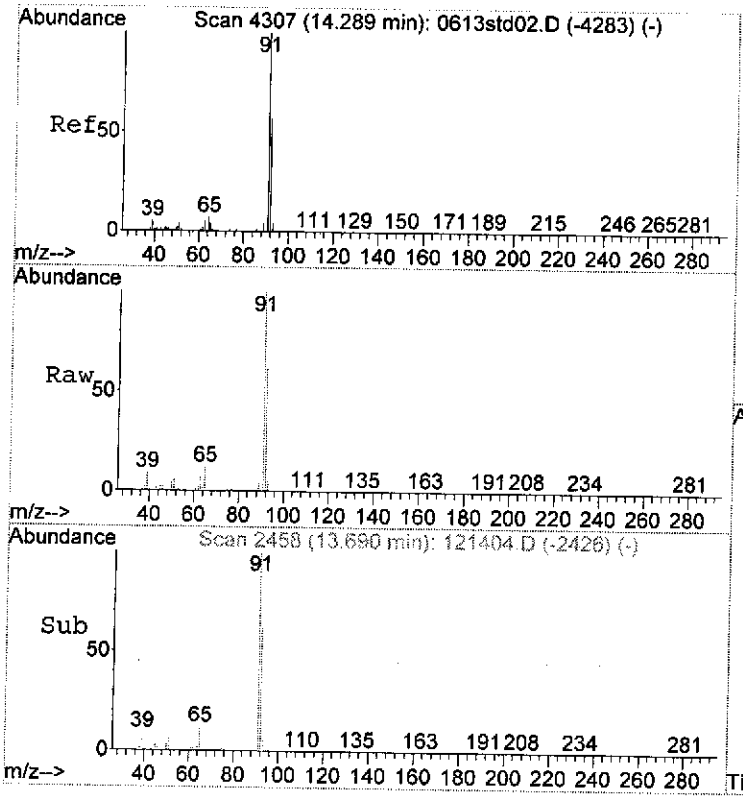


#47
Chlorobenzene, d-5 (IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2876
Delta R.T. -0.01 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion:117 Resp: 248523

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.6	47.3	70.9

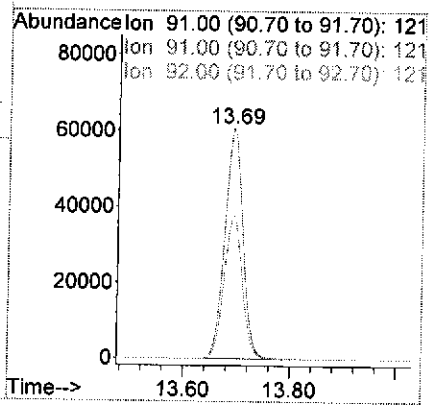


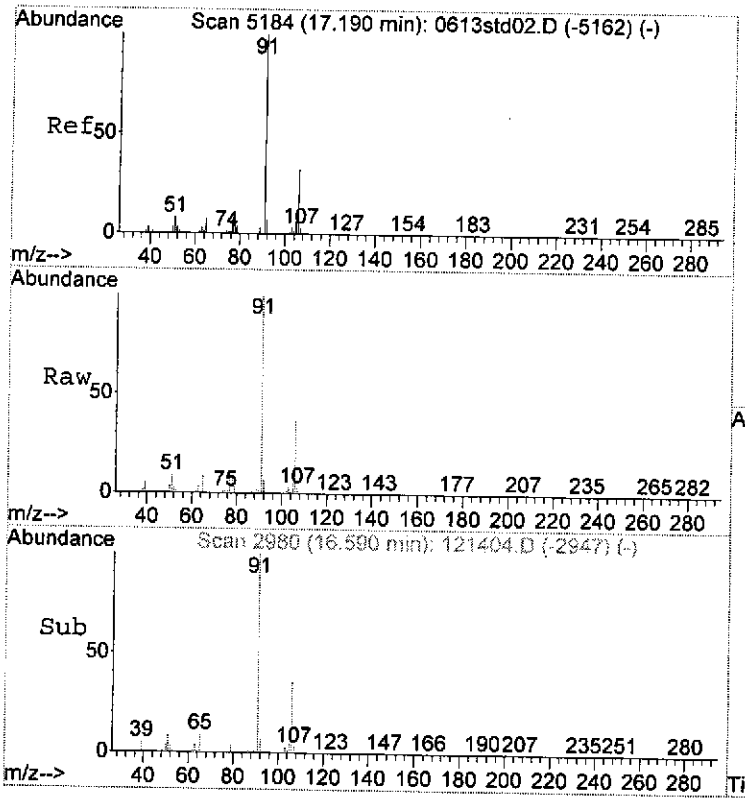


#48
Toluene
Concen: 3.80 ppbV
RT: 13.69 min Scan# 2458
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 91 Resp: 142898

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	63.1	50.9	76.3

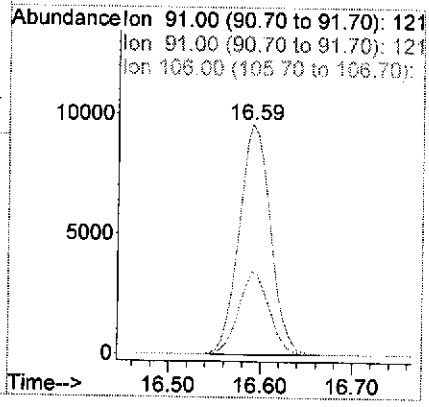


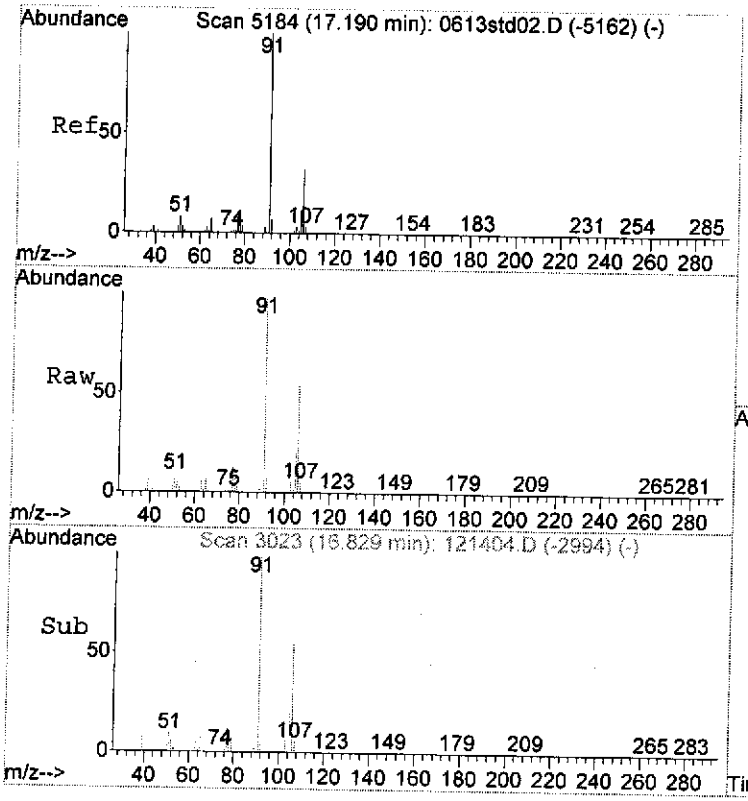


#54
Ethylbenzene
Concen: 0.53 ppbV
RT: 16.59 min Scan# 2980
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 91 Resp: 22732

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	35.1	29.0	43.6

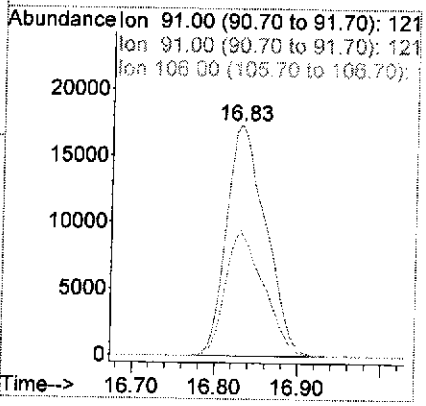


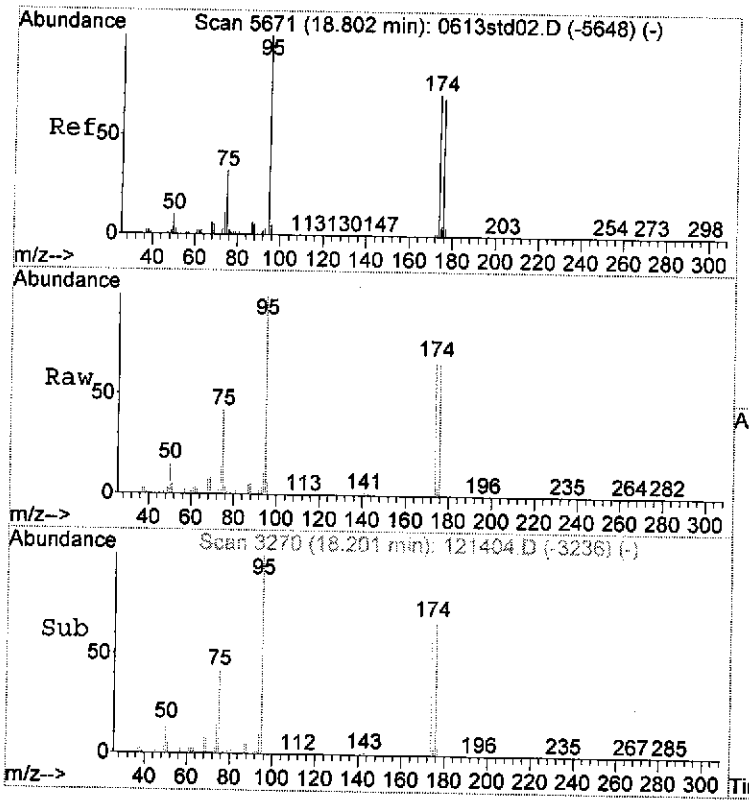


#55
Xylene,_m_&_p-
Concen: 0.79 ppbV
RT: 16.83 min Scan# 3023
Delta R.T. -0.04 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 91 Resp: 57027

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	52.9	44.4	66.6

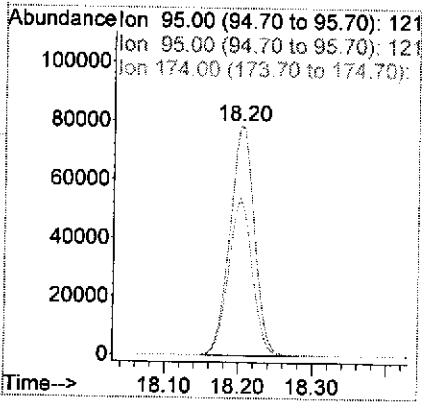


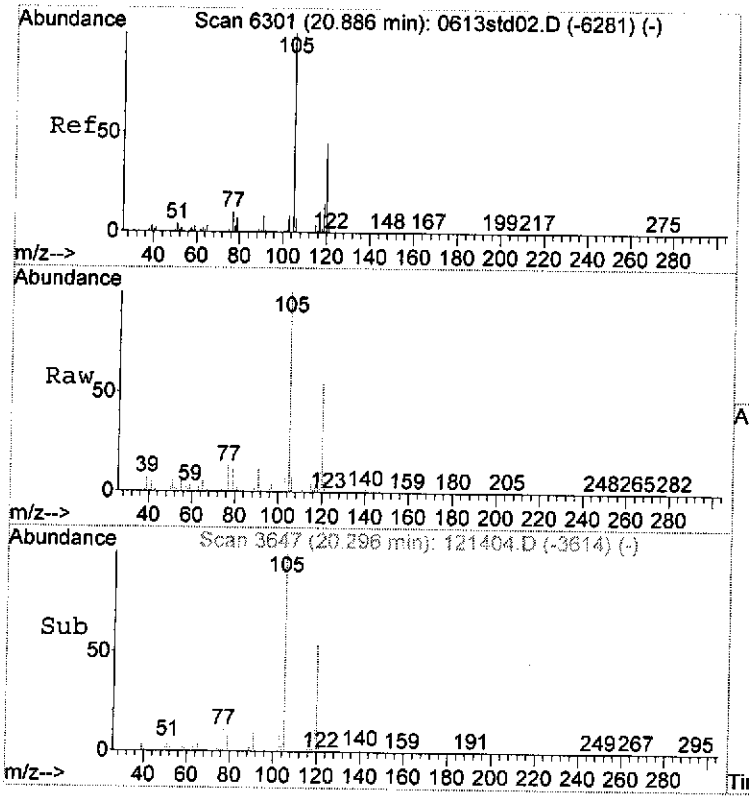


#60
Bromofluorobenzene_(tune_std)
Concen: Below ppbV
RT: 18.20 min Scan# 3270
Delta R.T. -0.01 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion: 95 Resp: 181027

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	66.9	54.1	81.1

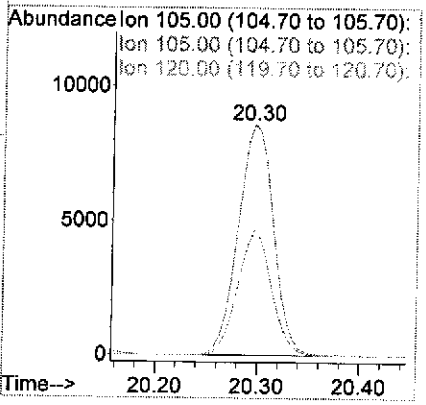




#65
Trimethylbenzene,_1,2,4-
Concen: 0.52 ppbV
RT: 20.30 min Scan# 3647
Delta R.T. -0.02 min
Lab File: 121404.D
Acq: 14 Dec 06 18:18

Tgt Ion:105 Resp: 20674

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	52.0	42.0	63.0

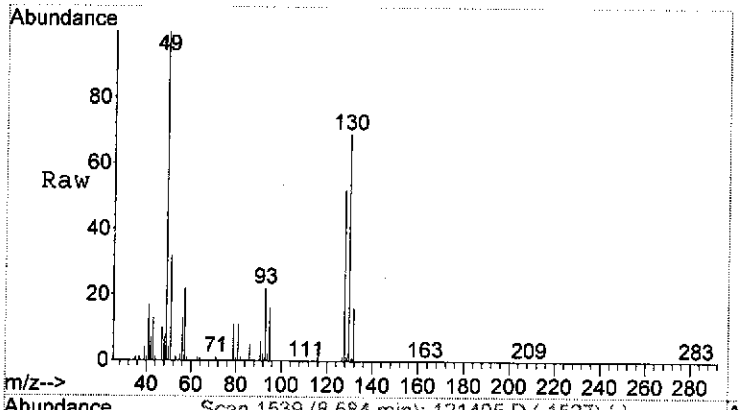


Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121405.D
Acq On : 14 Dec 06 19:10
Operator : .
Sample : 60695-04.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:58:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	51826	10.00	ppbV		-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	258452	10.00	ppbV		-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	241862	10.00	ppbV		-0.02
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.20	95	179130	10.10	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.00%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.91	85	9013	0.67	ppbV		100
12) Acetone	5.50	43	196666	23.12	ppbV	#	97
25) Methyl_ethyl_ketone	7.95	43	70571	5.92	ppbV		100
27) Hexane	8.61	57	63900	5.26	ppbV		98
29) Chloroform	8.72	83	12568	0.93	ppbV		100
33) Trichloroethane,_1,1,1-	9.77	97	9518	0.58	ppbV		99
34) Benzene	10.28	78	34918	1.26	ppbV		100
36) Cyclohexane	10.58	56	28404	2.01	ppbV		100
41) Trimethylpentane,_2,2,4-	11.51	57	12670	0.64	ppbV	#	84
42) Heptane	11.81	43	29038	1.69	ppbV		99
48) Toluene	13.70	91	190495	5.20	ppbV		100
54) Ethylbenzene	16.60	91	32331	0.78	ppbV		100
55) Xylene,_m_&_p-	16.83	91	82220	1.18	ppbV		99
59) Xylene,_o-	17.52	91	28914	0.74	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.29	105	32291	0.83	ppbV		99

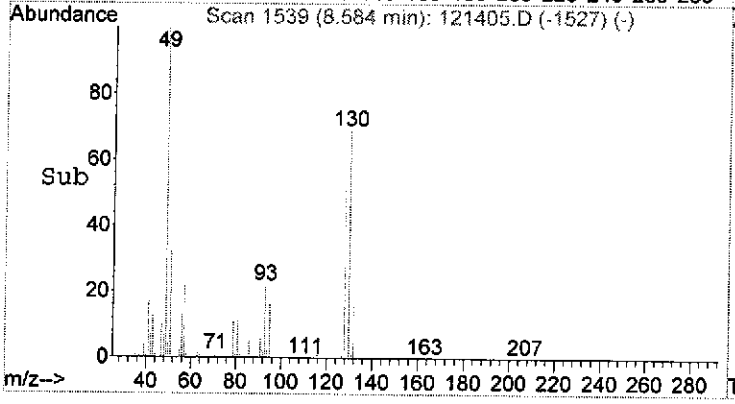
(#) = qualifier out of range (m) = manual integration (+) = signals summed

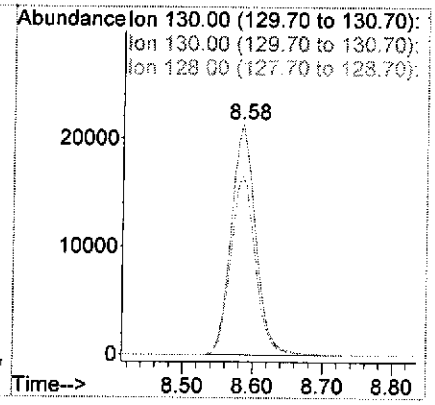


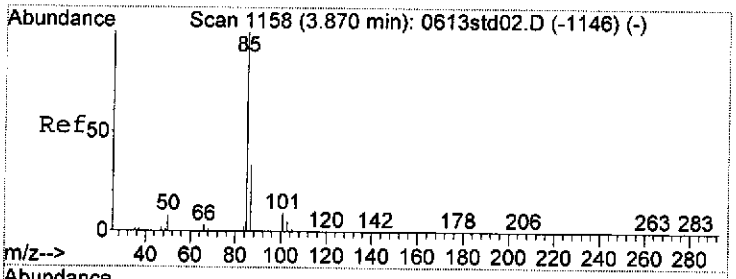
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.58 min Scan# 1539
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion:130 Resp: 51826

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	78.8	62.6	94.0



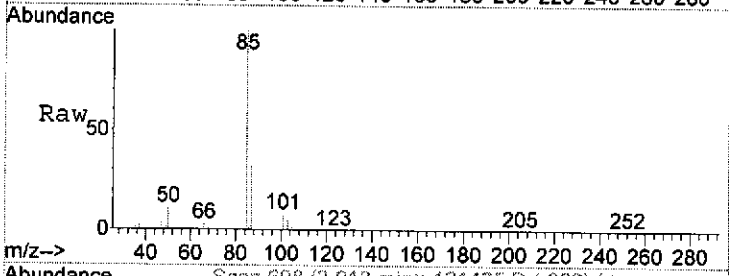


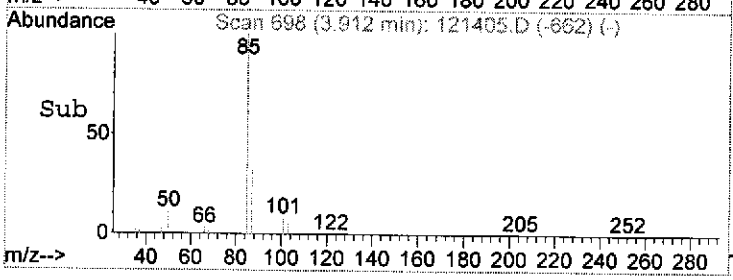


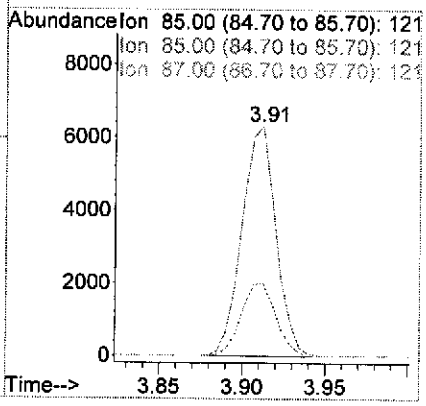
#3
Dichlorodifluoromethane
Concen: 0.67 ppbV
RT: 3.91 min Scan# 698
Delta R.T. 0.00 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

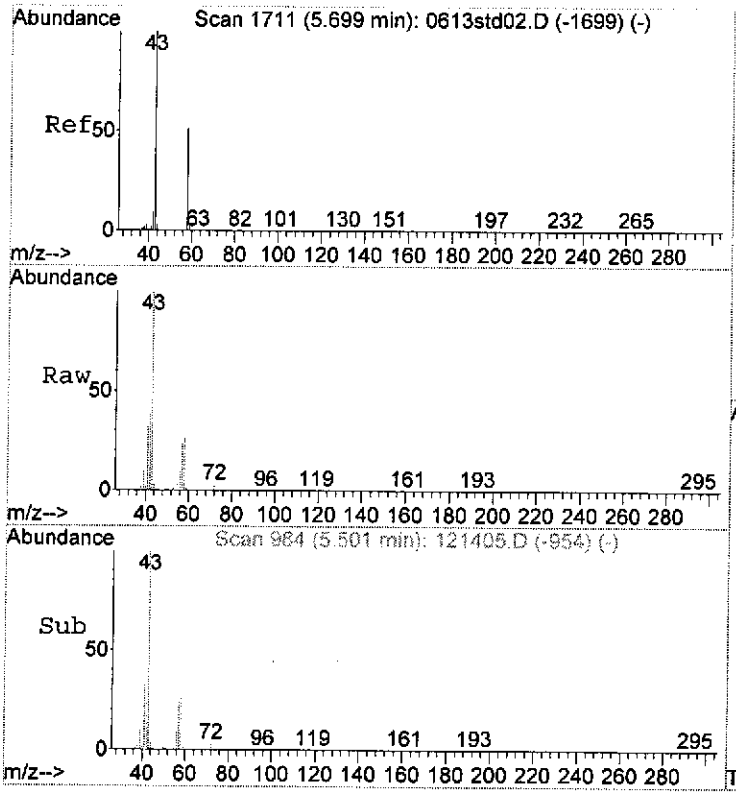
Tgt Ion: 85 Resp: 9013

Ion	Ratio	Lower	Upper
85	100		
85	100.0	80.0	120.0
87	32.4	25.6	38.4





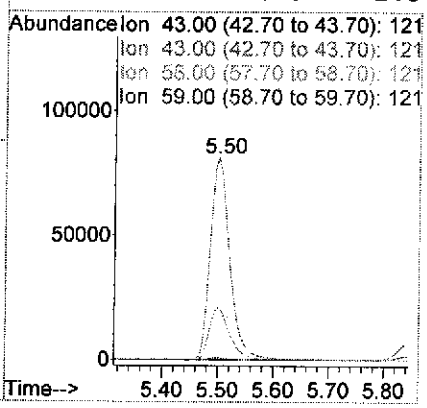


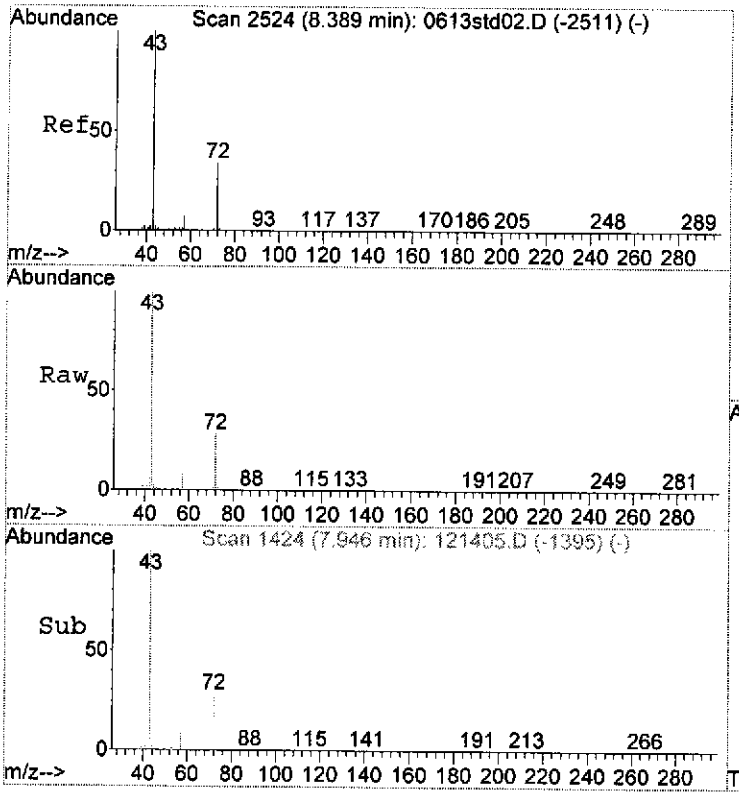


#12
Acetone
Concen: 23.12 ppbV
RT: 5.50 min Scan# 984
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 43 Resp: 196666

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	27.4	28.0	42.0#
59	0.0	0.9	1.3#

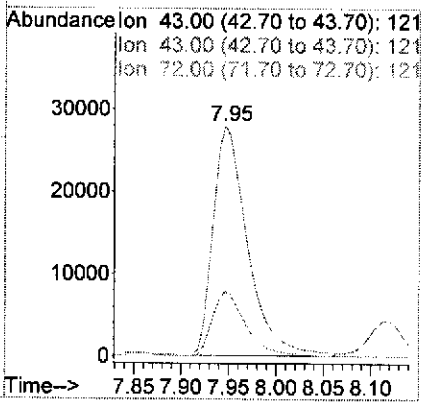


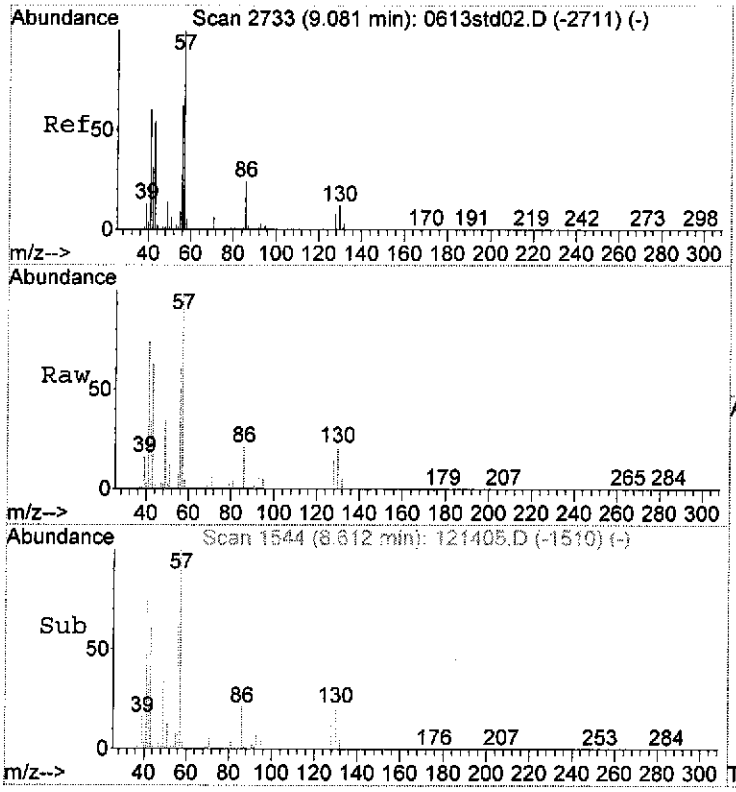


#25
Methyl_ethyl_ketone
Concen: 5.92 ppbV
RT: 7.95 min Scan# 1424
Delta R.T. -0.04 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 43 Resp: 70571

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	28.0	22.6	33.8

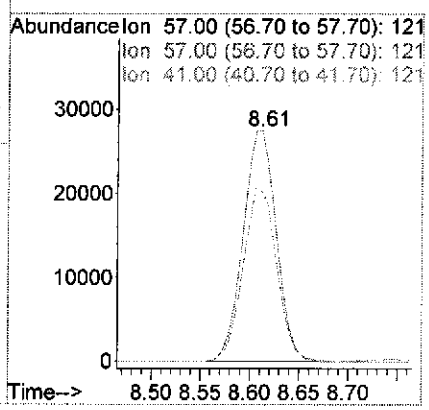


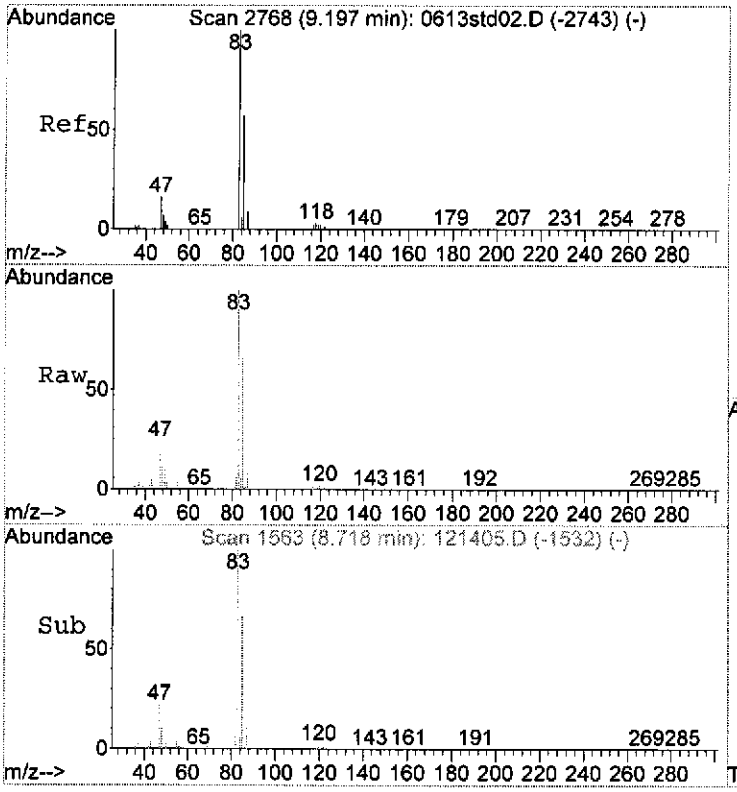


#27
Hexane
Concen: 5.26 ppbV
RT: 8.61 min Scan# 1544
Delta R.T. -0.01 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 57 Resp: 63900

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	76.9	64.3	96.5

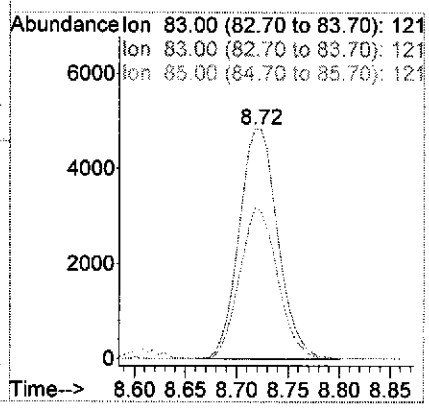


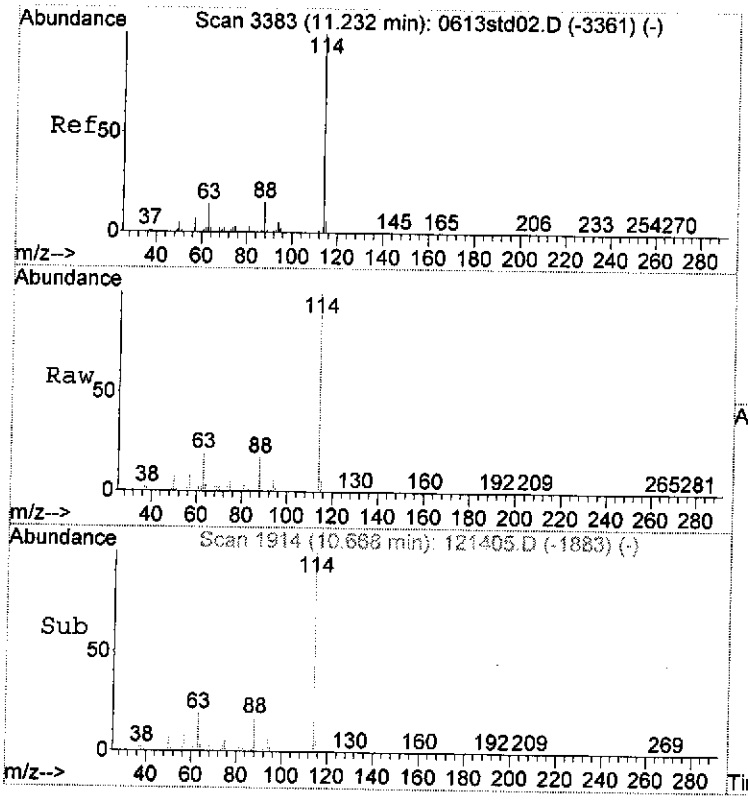


#29
Chloroform
Concen: 0.93 ppbV
RT: 8.72 min Scan# 1563
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 83 Resp: 12568

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	64.0	51.0	76.6

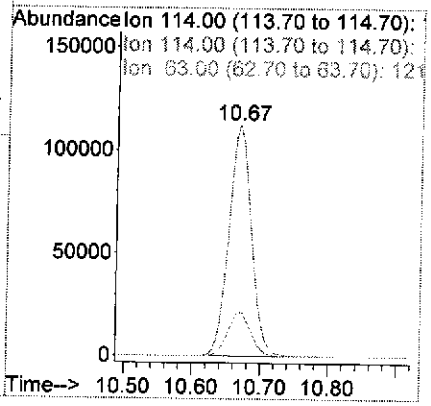


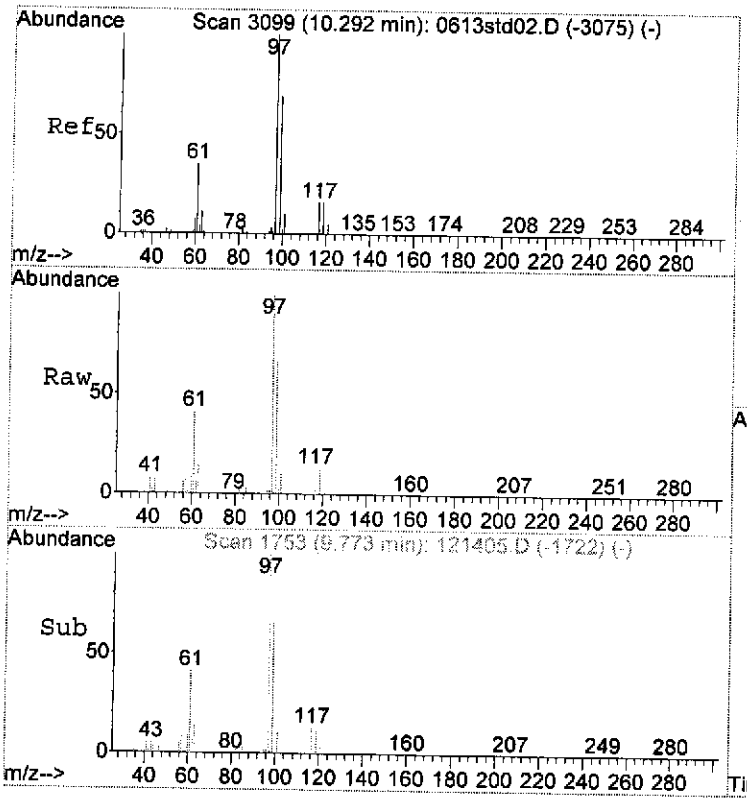


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.67 min Scan# 1914
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion:114 Resp: 258452

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.4	15.8	23.6

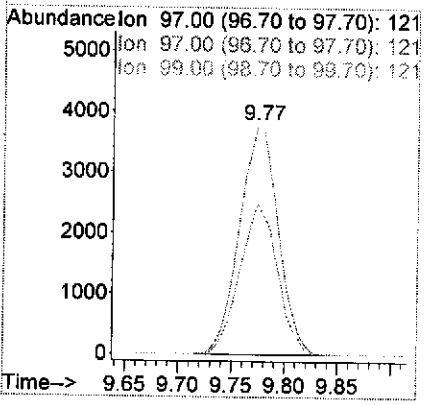


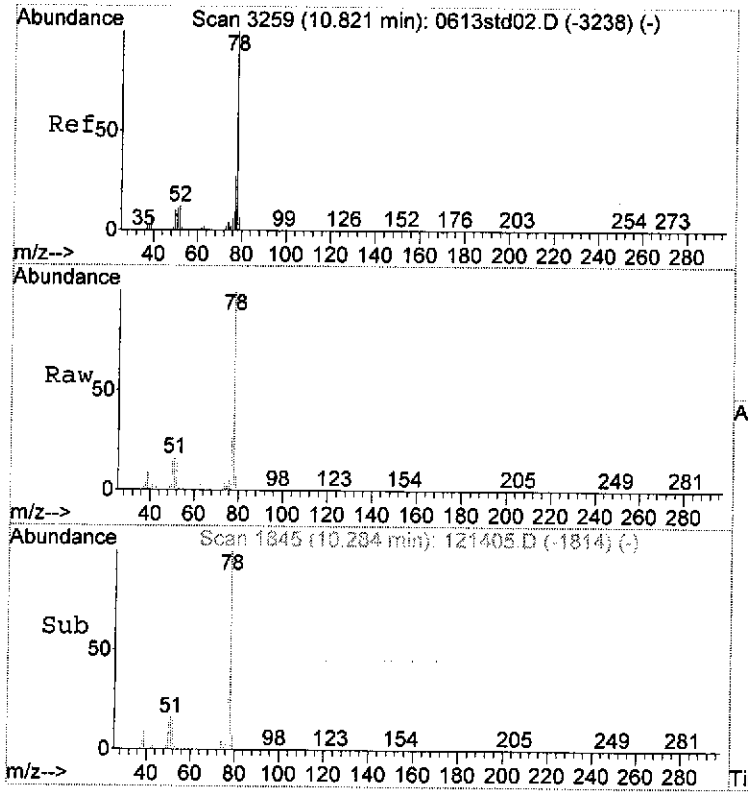


#33
Trichloroethane,_1,1,1-
Concen: 0.58 ppbV
RT: 9.77 min Scan# 1753
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 97 Resp: 9518

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	64.3	50.1	75.1

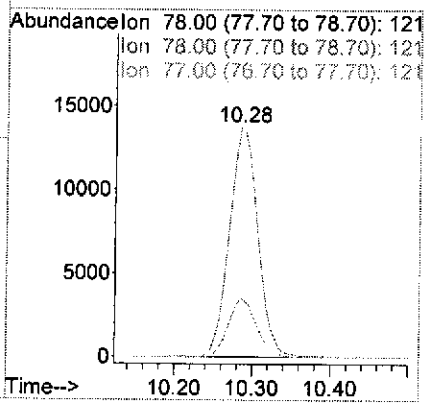


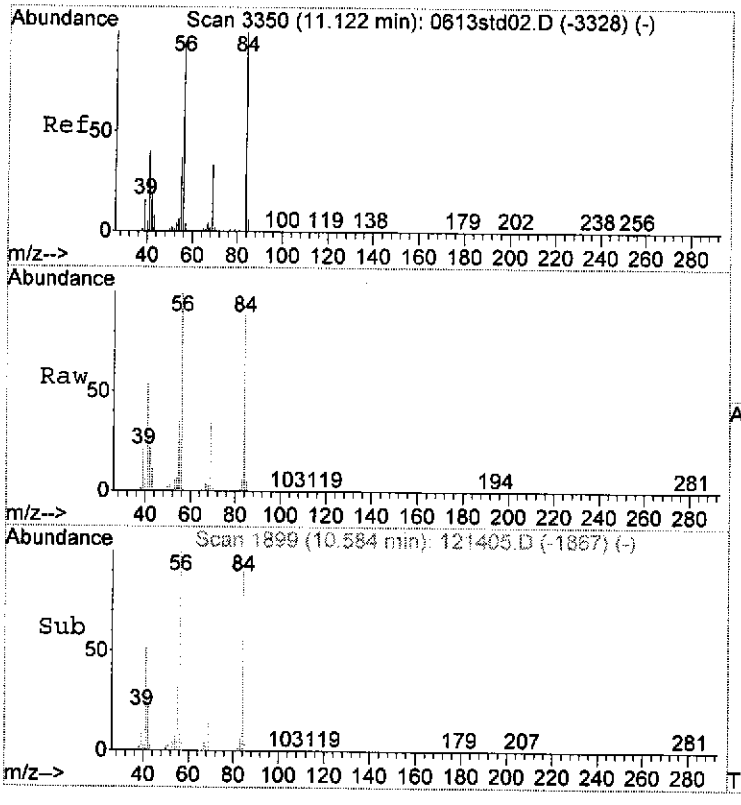


#34
Benzene
Concen: 1.26 ppbV
RT: 10.28 min Scan# 1845
Delta R.T. -0.03 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 78 Resp: 34918

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	24.7	19.4	29.0

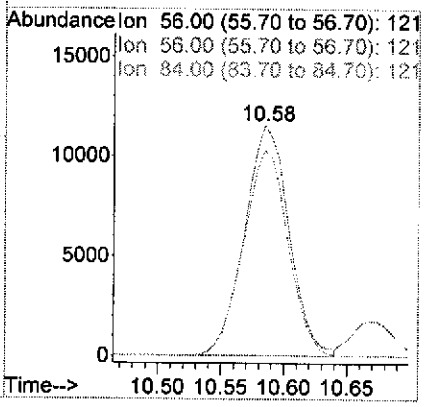


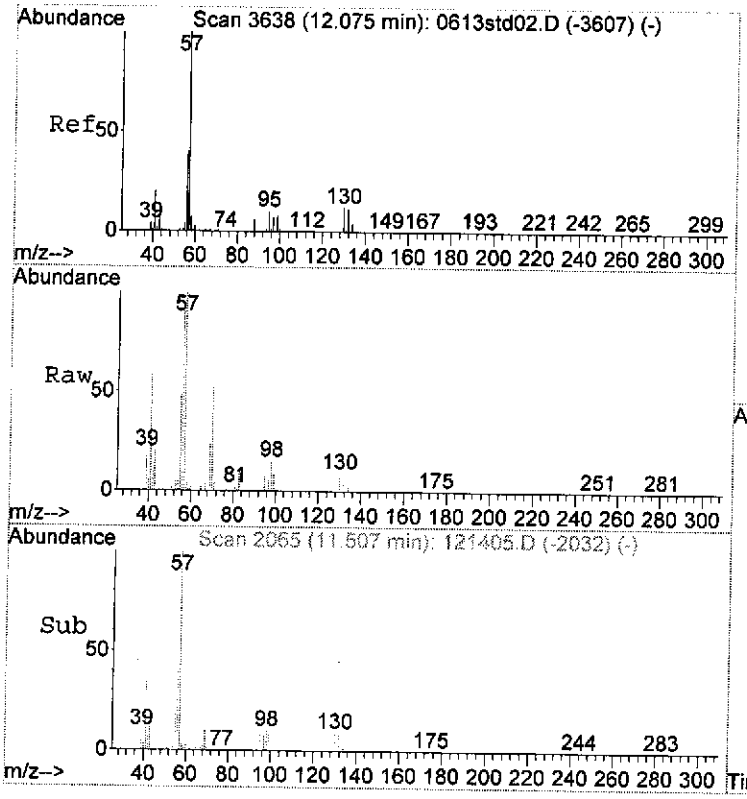


#36
Cyclohexane
Concen: 2.01 ppbV
RT: 10.58 min Scan# 1899
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 56 Resp: 28404

Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
84	89.9	72.7	109.1

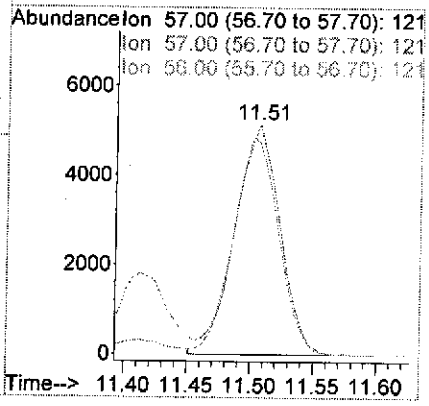


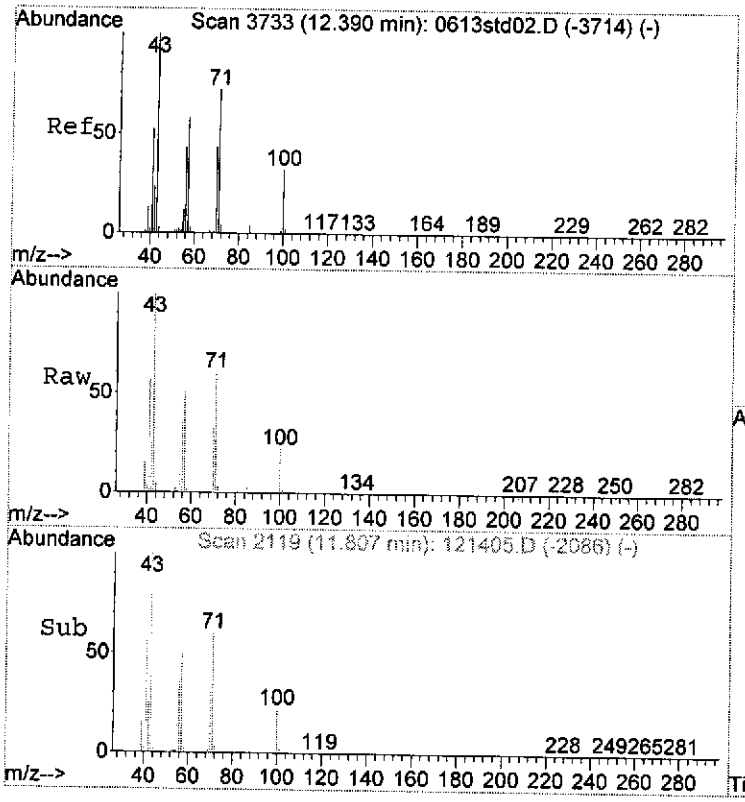


#41
Trimethylpentane,_2,2,4-
Concen: 0.64 ppbV
RT: 11.51 min Scan# 2065
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 57 Resp: 12670

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
56	0.0	29.2	43.8#

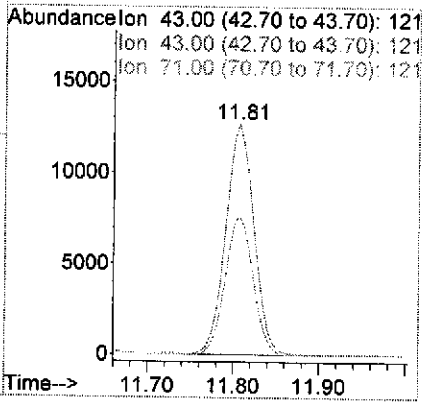


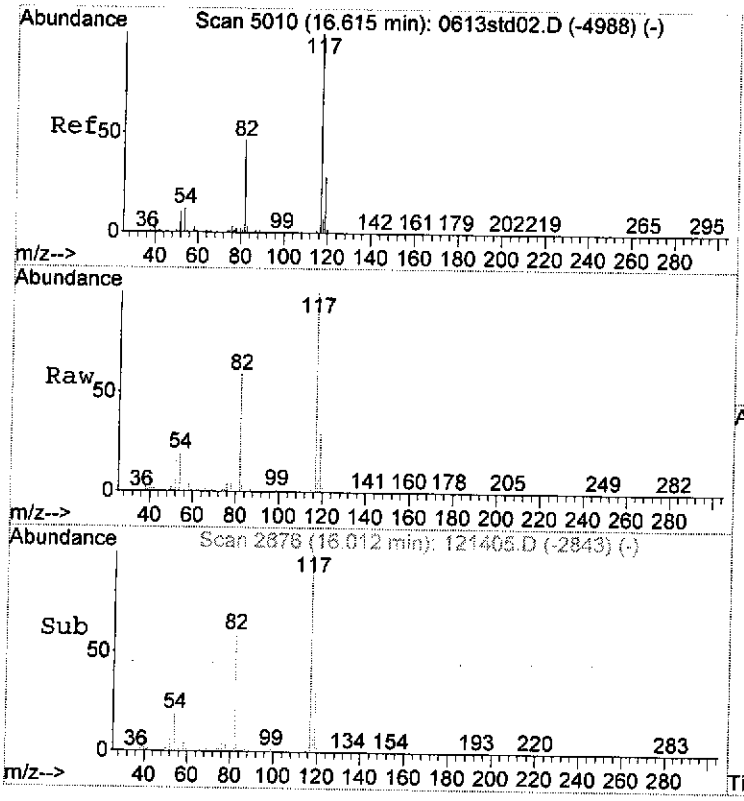


#42
Heptane
Concen: 1.69 ppbV
RT: 11.81 min Scan# 2119
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 43 Resp: 29038

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
71	59.7	48.7	73.1

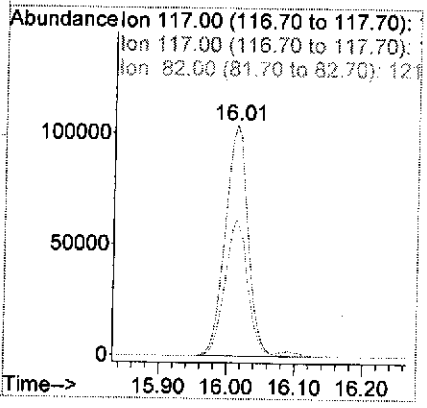


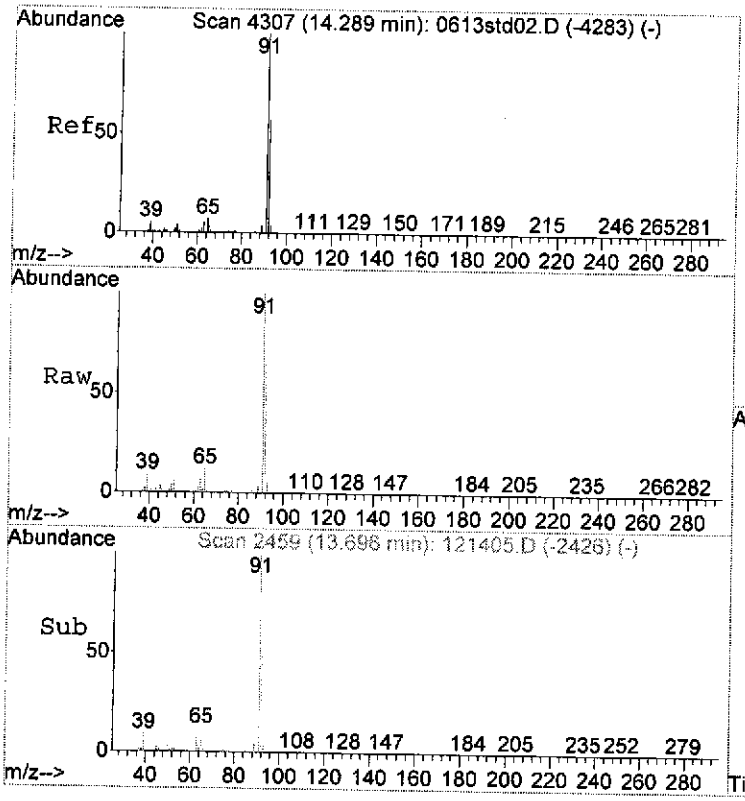


#47
Chlorobenzene, d-5 (IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2876
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion:117 Resp: 241862

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	59.0	47.3	70.9

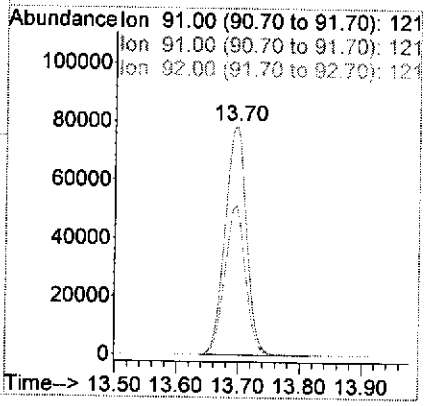


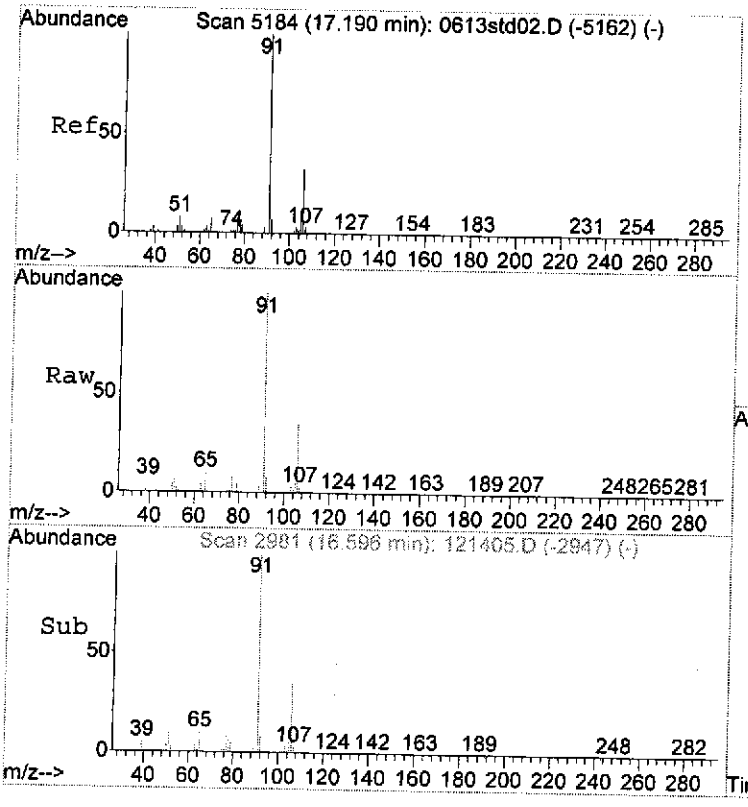


#48
Toluene
Concen: 5.20 ppbV
RT: 13.70 min Scan# 2459
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 91 Resp: 190495

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	63.3	50.9	76.3

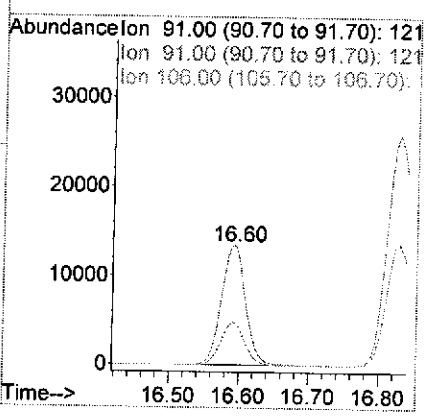


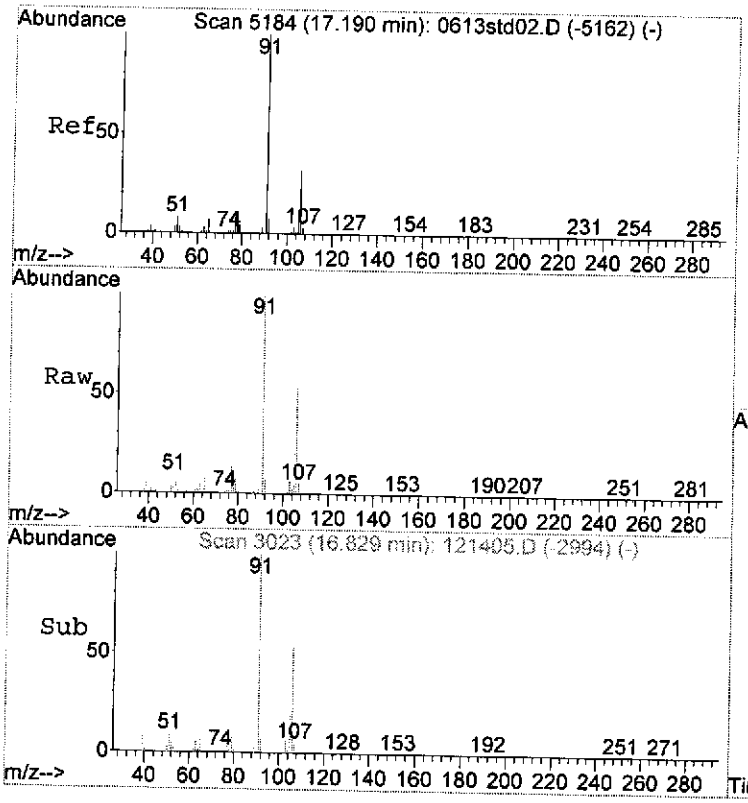


#54
Ethylbenzene
Concen: 0.78 ppbV
RT: 16.60 min Scan# 2981
Delta R.T. -0.01 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 91 Resp: 32331

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	35.3	29.0	43.6

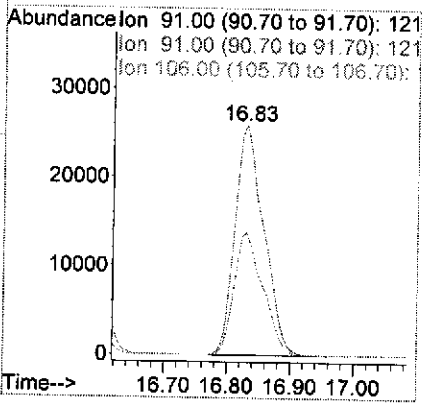


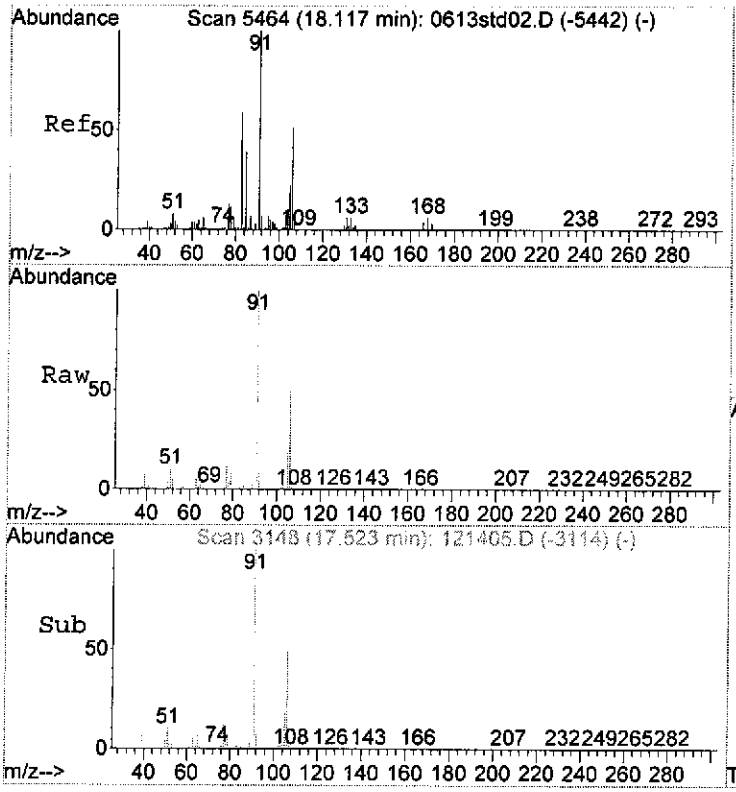


#55
Xylene,_m_&_p-
Concen: 1.18 ppbV
RT: 16.83 min Scan# 3023
Delta R.T. -0.04 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 91 Resp: 82220

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	53.5	44.4	66.6

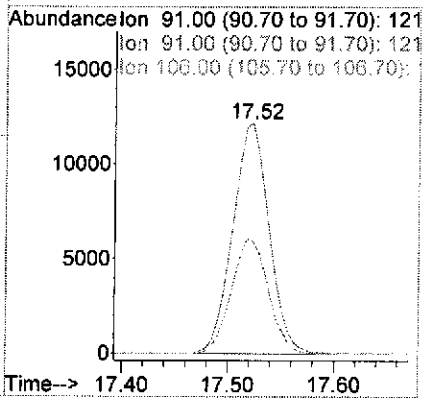


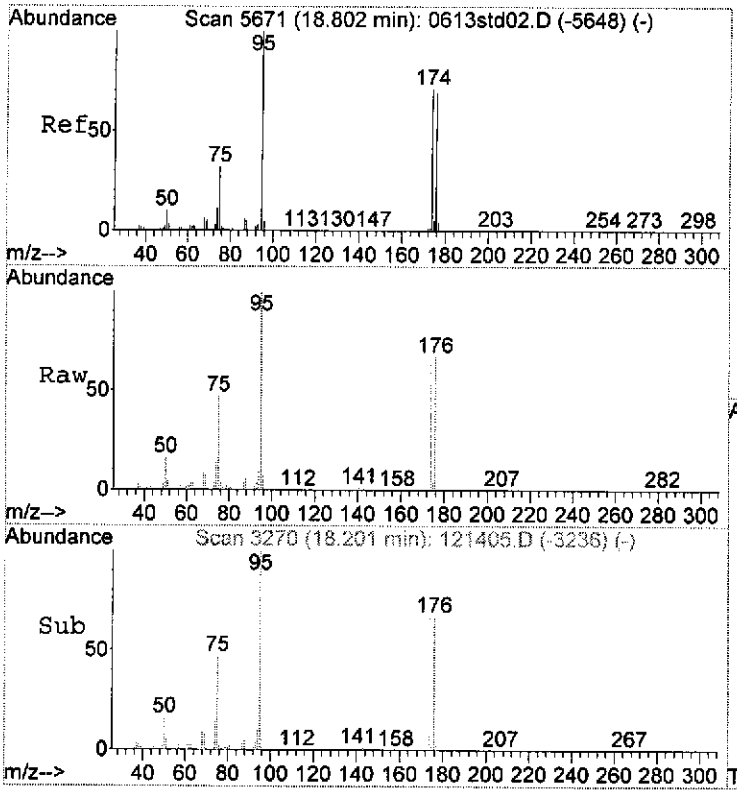


#59
Xylene,_o-
Concen: 0.74 ppbV
RT: 17.52 min Scan# 3148
Delta R.T. -0.01 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 91 Resp: 28914

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	50.8	42.5	63.7

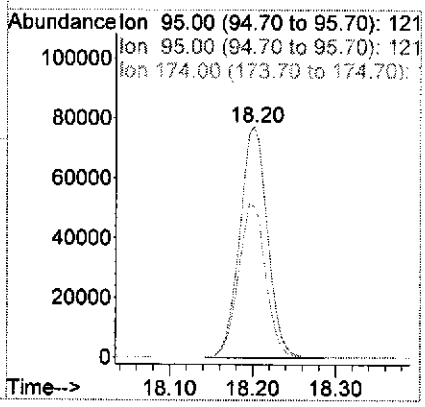


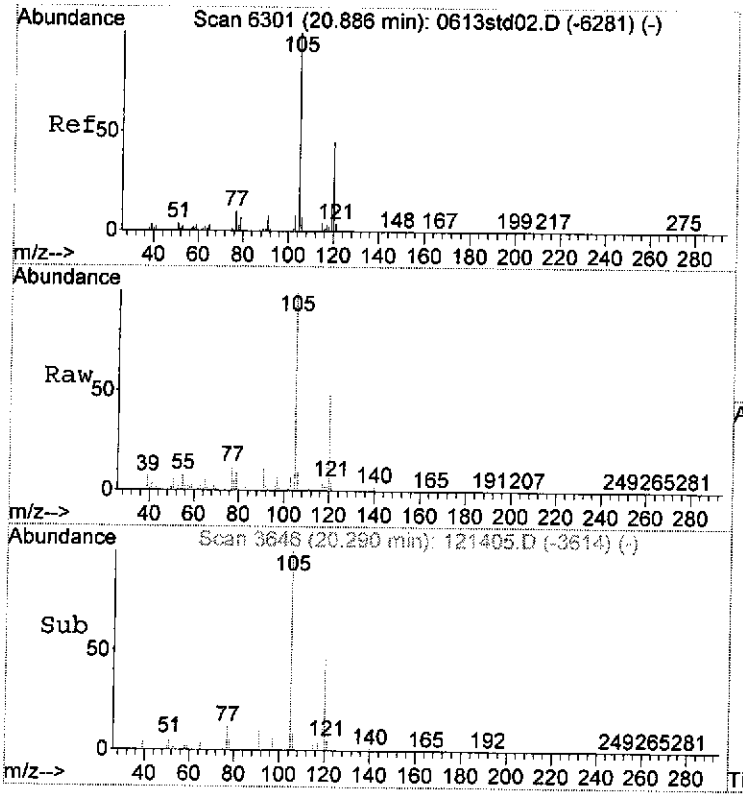


#60
Bromofluorobenzene_(tune_std)
Concen: 0.74 ppbV
RT: 18.20 min Scan# 3270
Delta R.T. -0.01 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion: 95 Resp: 179130

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	65.8	54.1	81.1

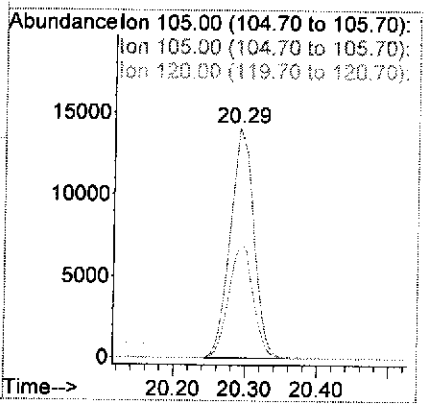




#65
Trimethylbenzene,_1,2,4-
Concen: 0.83 ppbV
RT: 20.29 min Scan# 3646
Delta R.T. -0.02 min
Lab File: 121405.D
Acq: 14 Dec 06 19:10

Tgt Ion:105 Resp: 32291

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	51.1	42.0	63.0

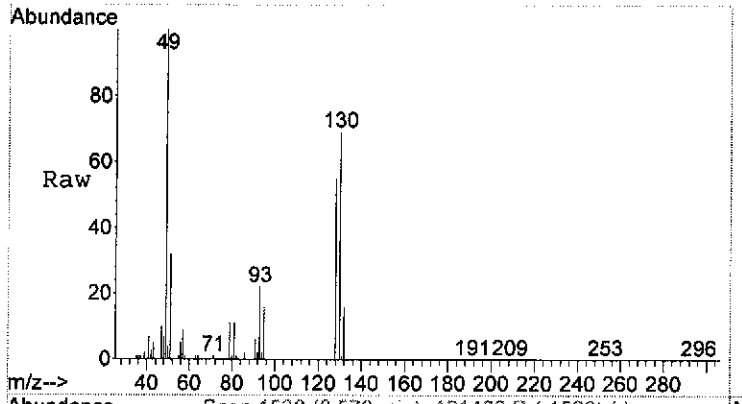


Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121406.D
Acq On : 14 Dec 06 19:56
Operator : .
Sample : 60695-05.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 10:03:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	48076	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	264833	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	244598	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	177826	9.91	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.10%			
Target Compounds						Qvalue
12) Acetone	5.51	43	64588	8.18	ppbV	# 97
17) Methylene_chloride	6.41	49	4937	0.69	ppbV	98
25) Methyl_ethyl_ketone	7.94	43	52386	4.74	ppbV	100
27) Hexane	8.61	57	27531	2.44	ppbV	99
48) Toluene	13.69	91	109627	2.96	ppbV	100
52) Tetrachloroethylene	15.16	166	10040	0.54	ppbV	99
55) Xylene,_m_&_p-	16.83	91	52320	0.74	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.29	105	21919	0.56	ppbV	99
68) Dichlorobenzene,_1,4-	20.66	146	15944	0.54	ppbV	100

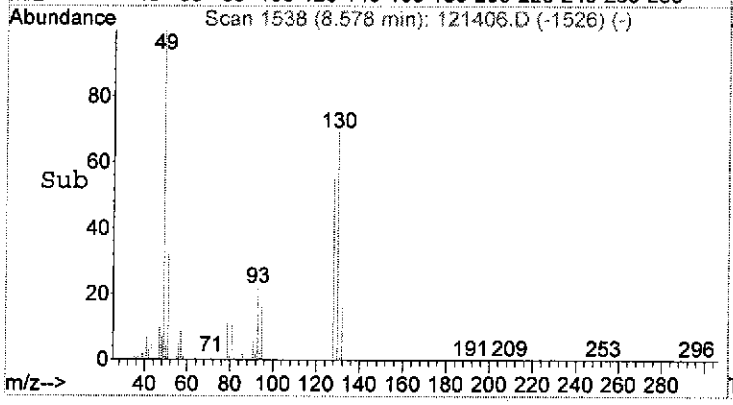
(#) = qualifier out of range (m) = manual integration (+) = signals summed

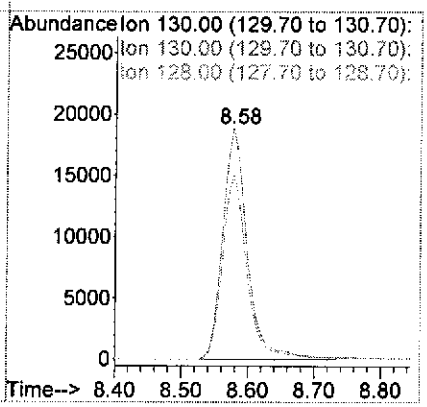


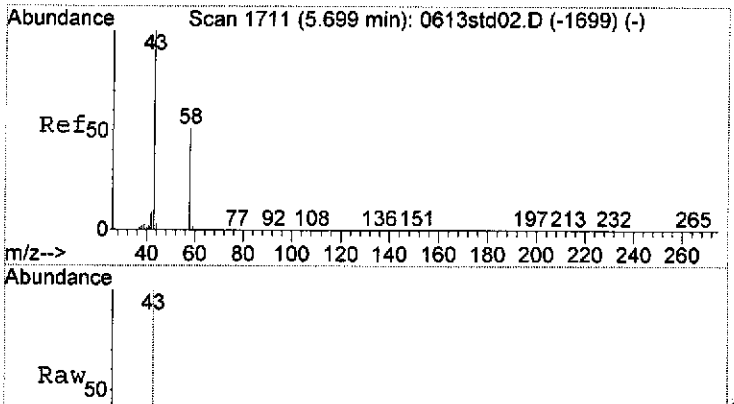
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.58 min Scan# 1538
Delta R.T. -0.03 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:130 Resp: 48076

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	80.4	62.6	94.0



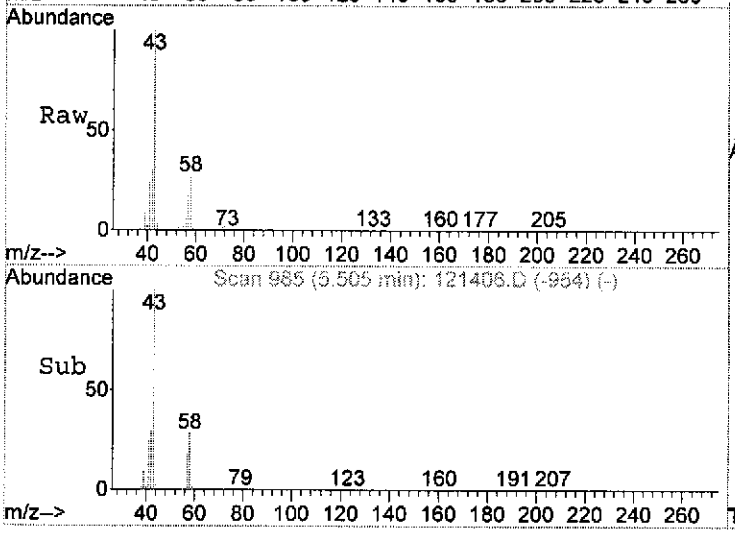


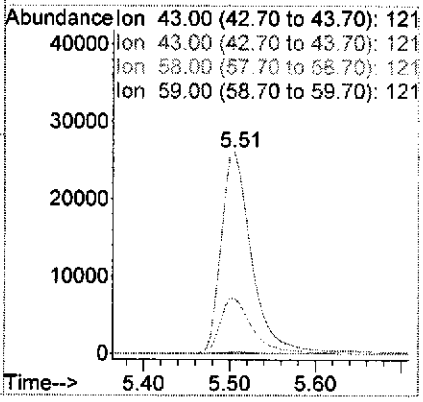


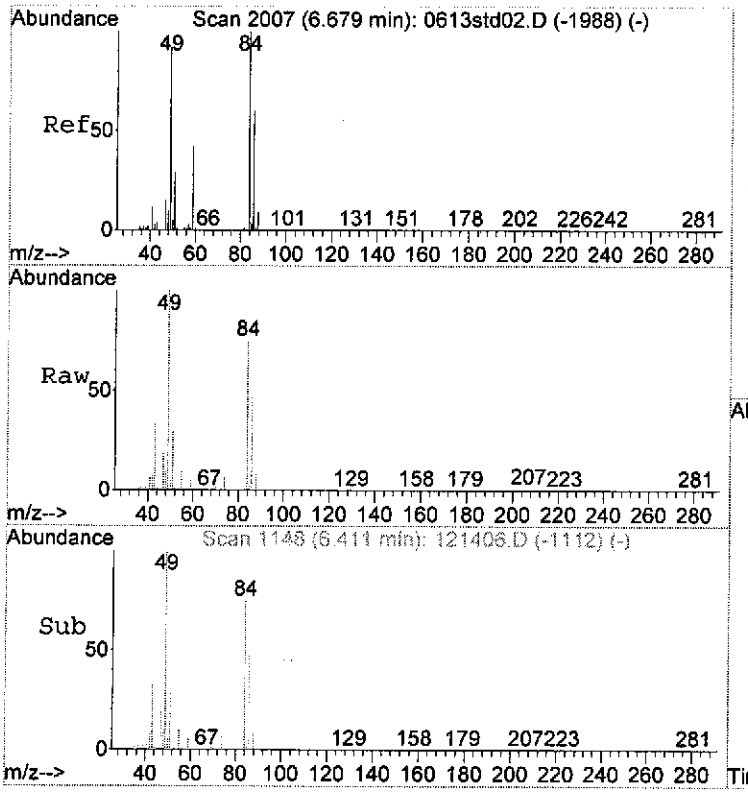
#12
Acetone
Concen: 8.18 ppbV
RT: 5.51 min Scan# 985
Delta R.T. -0.03 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 43 Resp: 64588

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	29.0	28.0	42.0
59	0.8	0.9	1.3#



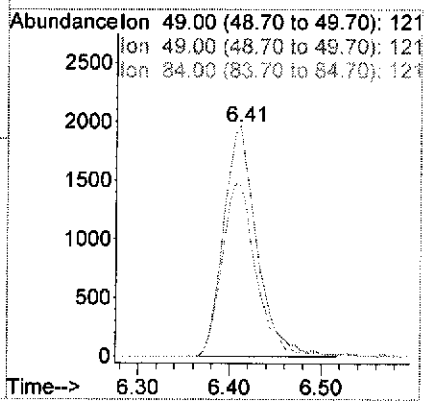


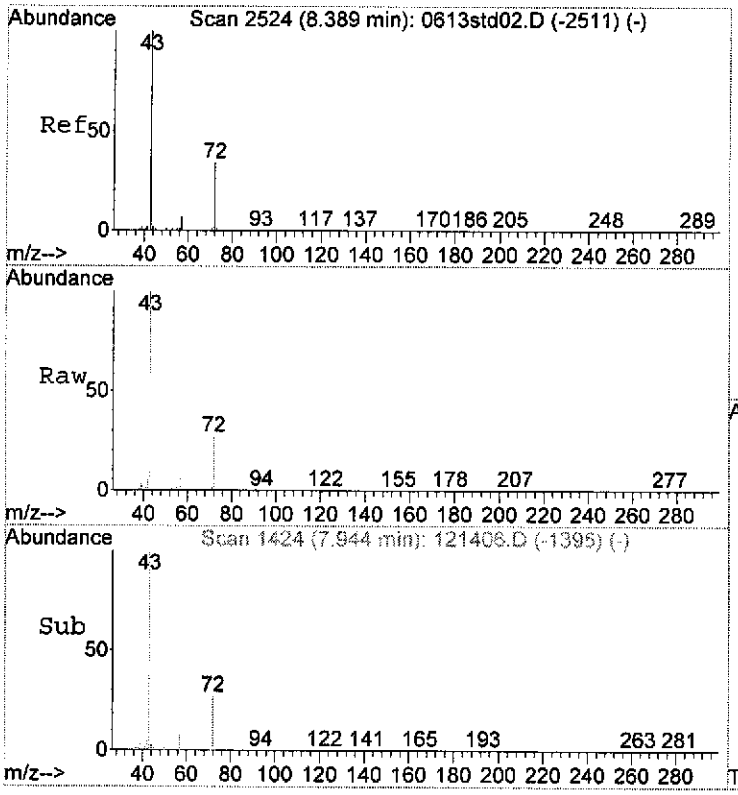


#17
Methylene_chloride
Concen: 0.69 ppbV
RT: 6.41 min Scan# 1148
Delta R.T. 0.00 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 49 Resp: 4937

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	77.6	64.5	96.7

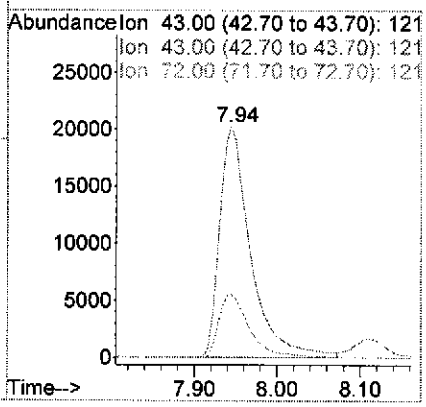


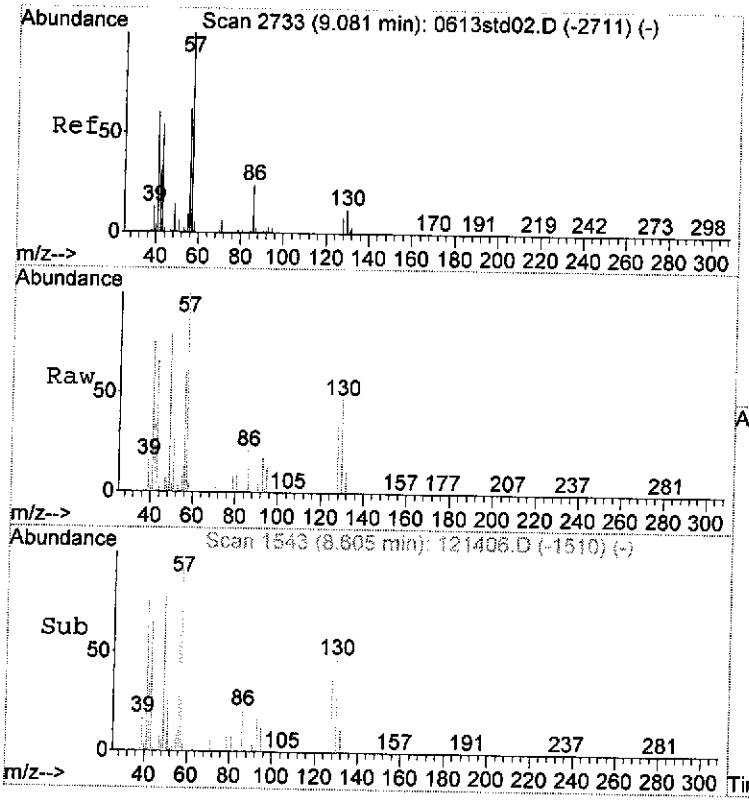


#25
Methyl_ethyl_ketone
Concen: 4.74 ppbV
RT: 7.94 min Scan# 1424
Delta R.T. -0.04 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 43 Resp: 52386

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	28.3	22.6	33.8

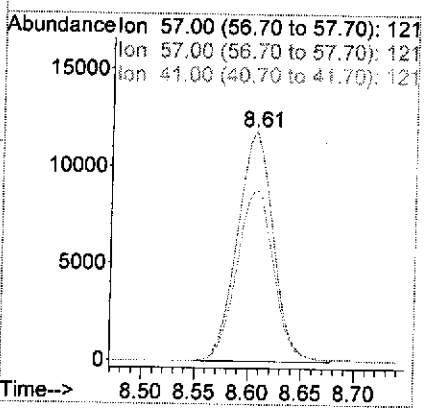


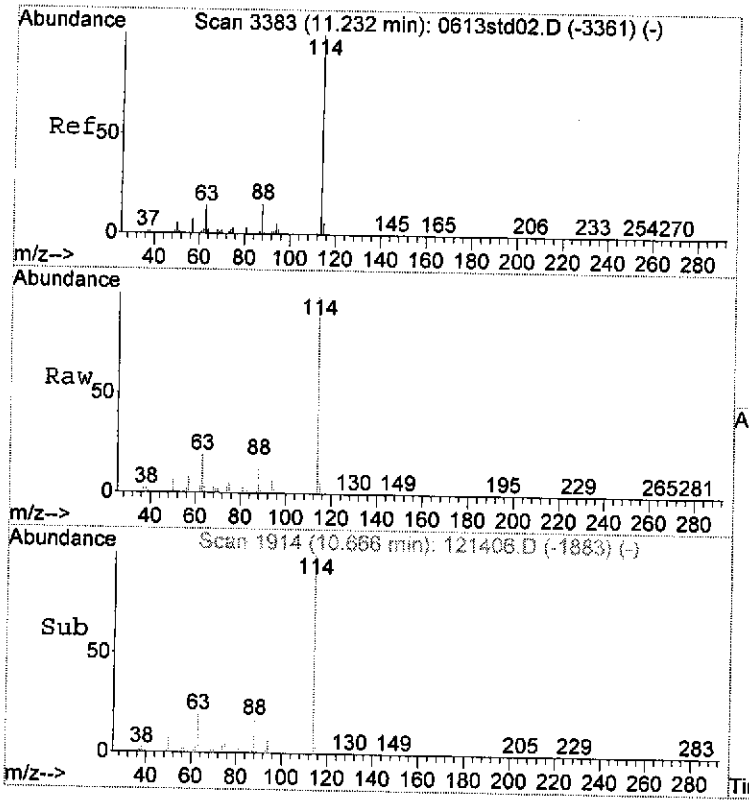


#27
Hexane
Concen: 2.44 ppbV
RT: 8.61 min Scan# 1543
Delta R.T. -0.02 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 57 Resp: 27531

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	77.8	64.3	96.5

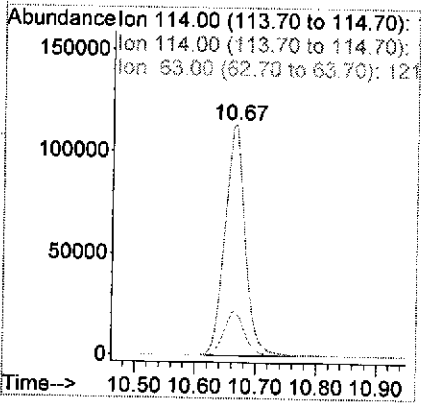


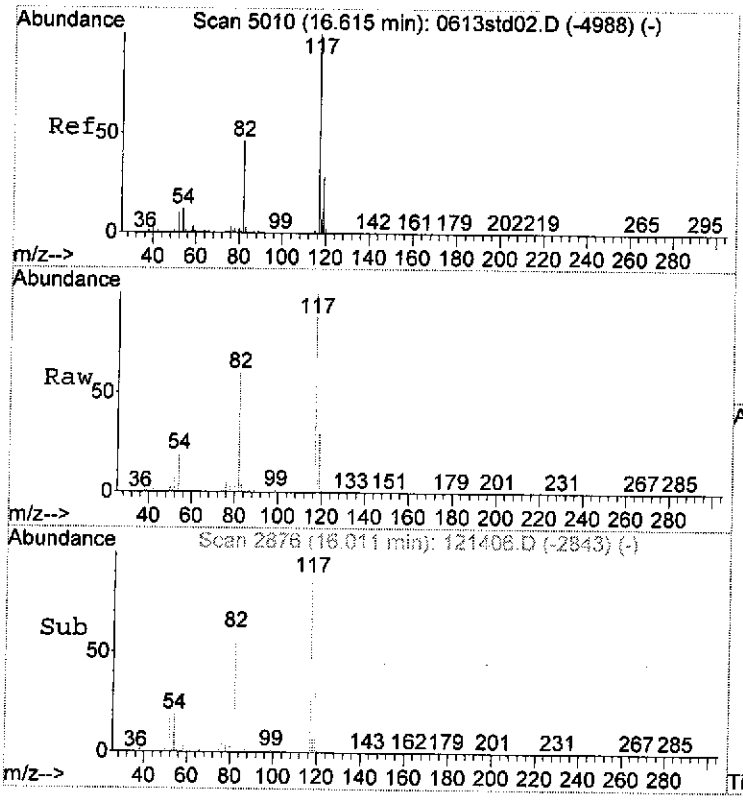


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.67 min Scan# 1914
Delta R.T. -0.03 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:114 Resp: 264833

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.5	15.8	23.6

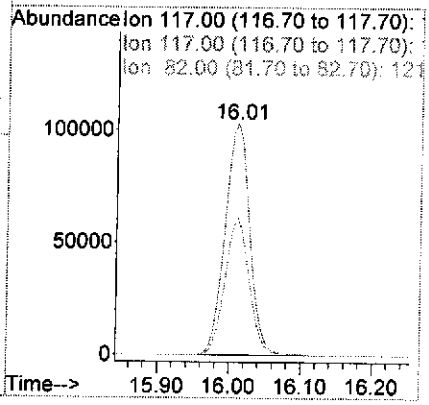


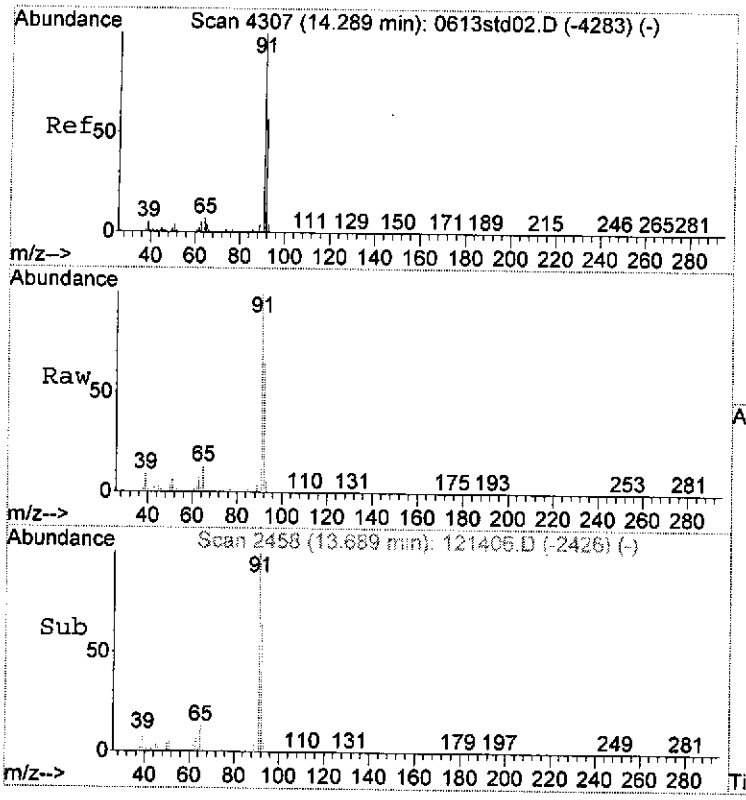


#47
Chlorobenzene, d-5 (IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2876
Delta R.T. -0.02 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:117 Resp: 244598

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.9	47.3	70.9

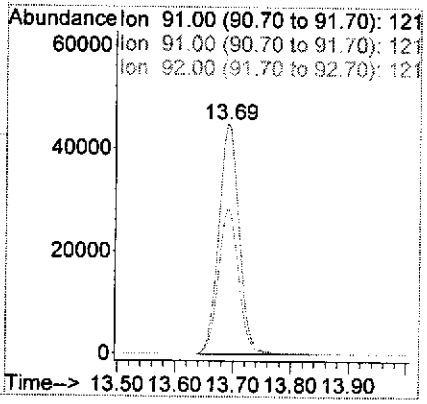


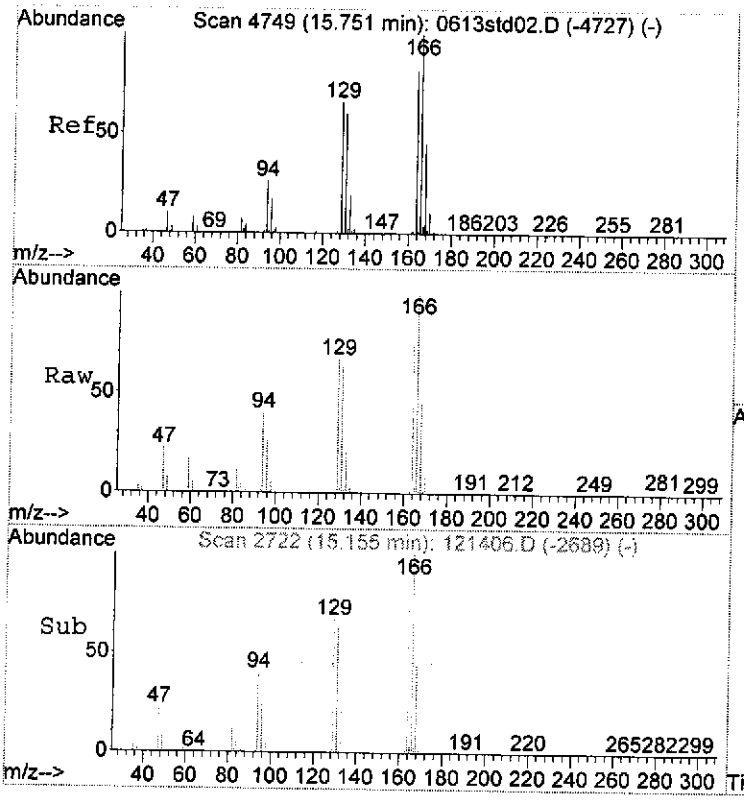


#48
Toluene
Concen: 2.96 ppbV
RT: 13.69 min Scan# 2458
Delta R.T. -0.02 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 91 Resp: 109627

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	63.4	50.9	76.3

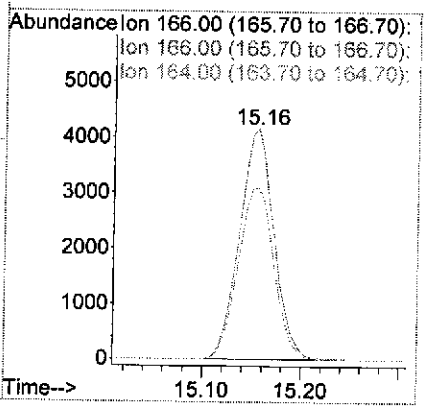


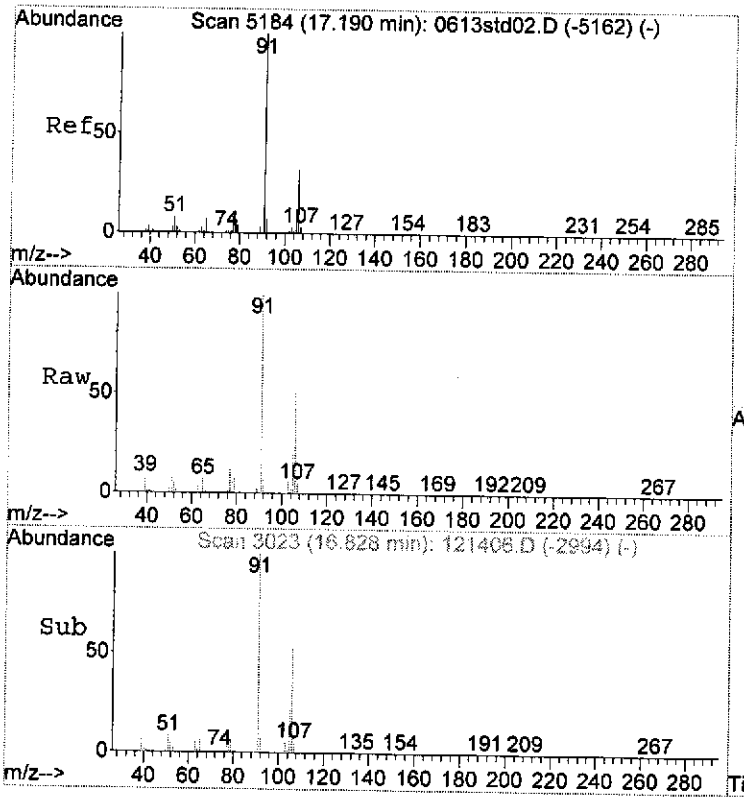


#52
Tetrachloroethylene
Concen: 0.54 ppbV
RT: 15.16 min Scan# 2722
Delta R.T. -0.02 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:166 Resp: 10040

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	78.0	63.8	95.8

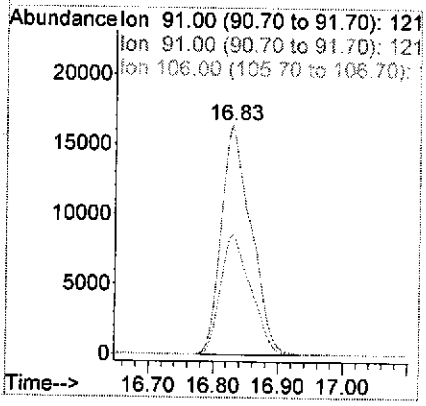


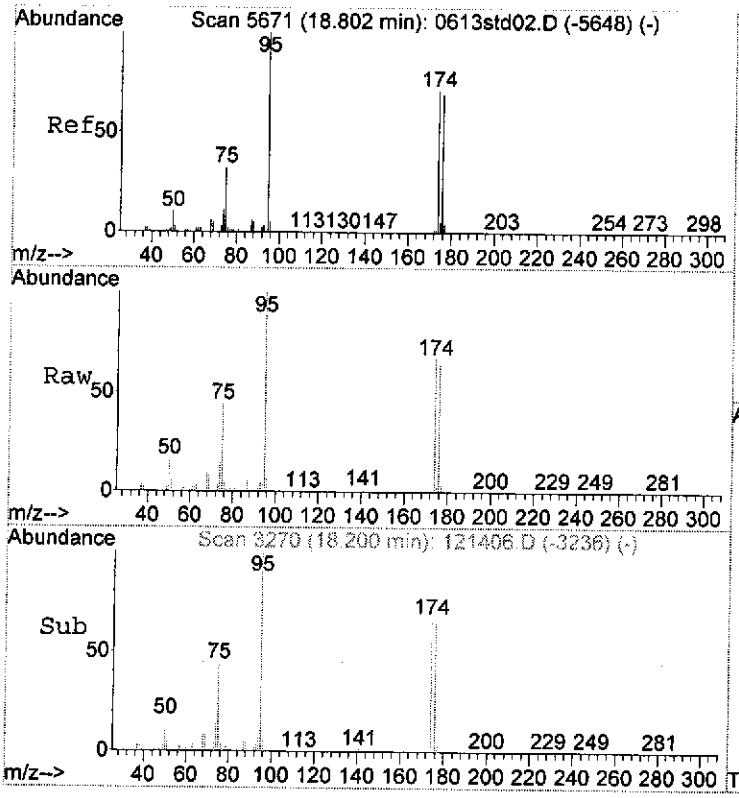


#55
Xylene,_m_&_p-
Concen: 0.74 ppbV
RT: 16.83 min Scan# 3023
Delta R.T. -0.04 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 91 Resp: 52320

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	53.1	44.4	66.6

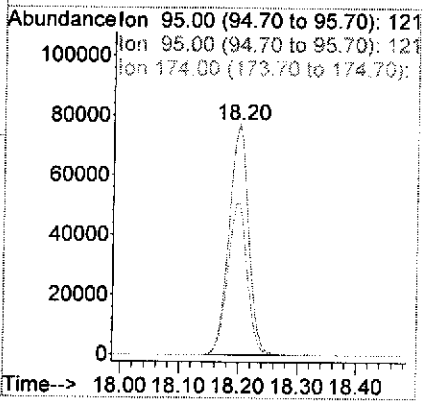


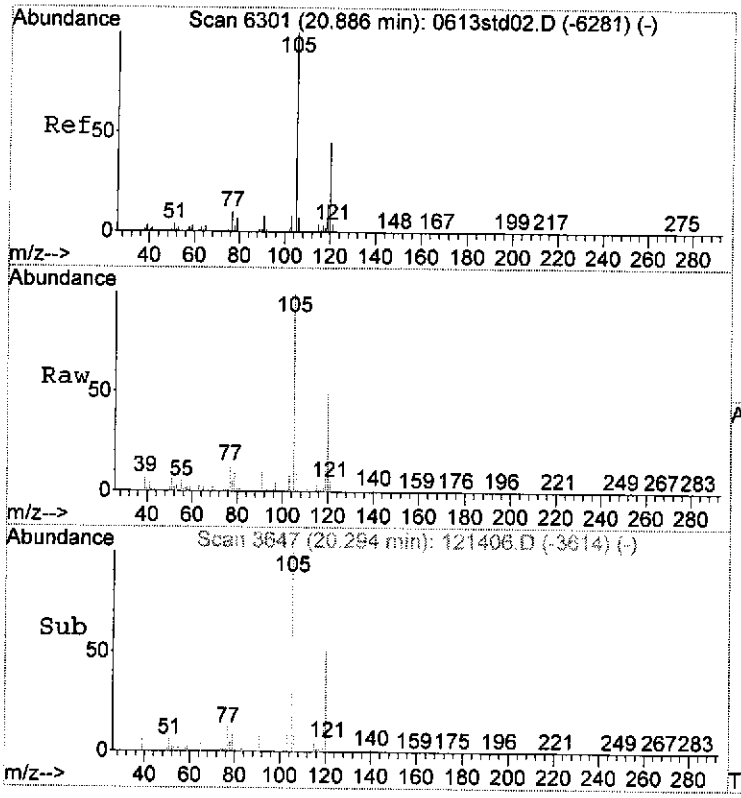


#60
Bromofluorobenzene_(tune_std)
Concen: Below ppbV
RT: 18.20 min Scan# 3270
Delta R.T. -0.01 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion: 95 Resp: 177826

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	66.0	54.1	81.1

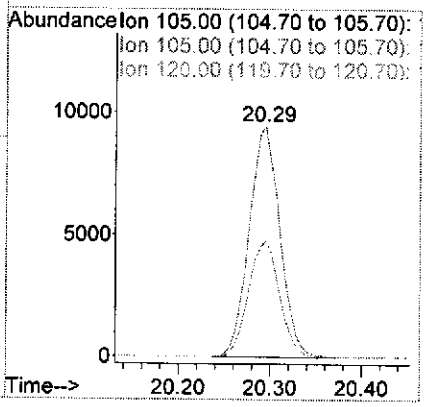


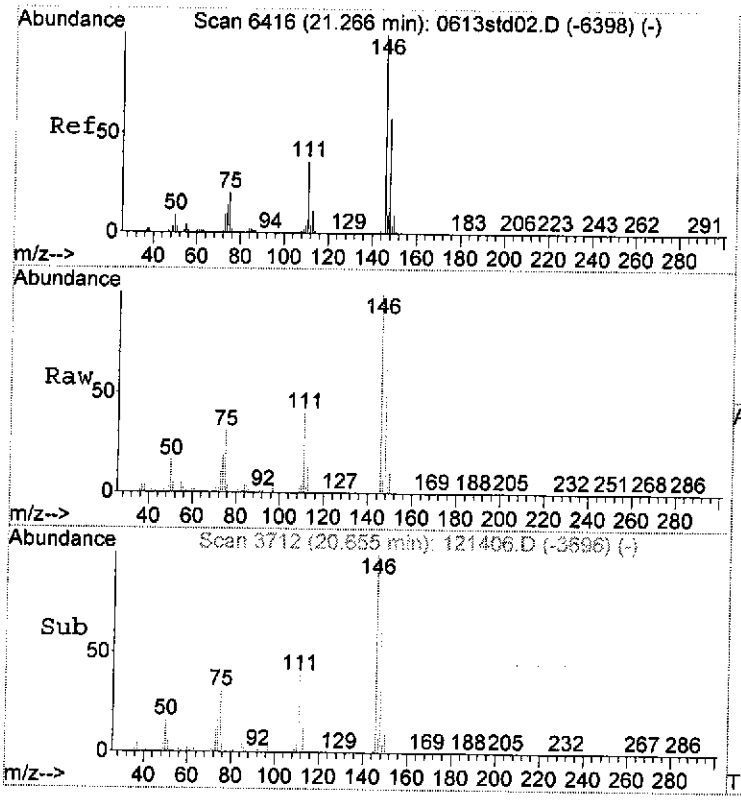


#65
Trimethylbenzene,_1,2,4-
Concen: 0.56 ppbV
RT: 20.29 min Scan# 3647
Delta R.T. -0.02 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:105 Resp: 21919

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	51.0	42.0	63.0

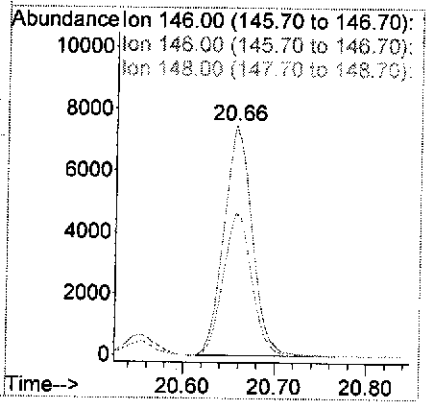




#68
Dichlorobenzene,_1,4-
Concen: 0.54 ppbV
RT: 20.66 min Scan# 3712
Delta R.T. -0.01 min
Lab File: 121406.D
Acq: 14 Dec 06 19:56

Tgt Ion:146 Resp: 15944

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	62.9	50.0	75.0

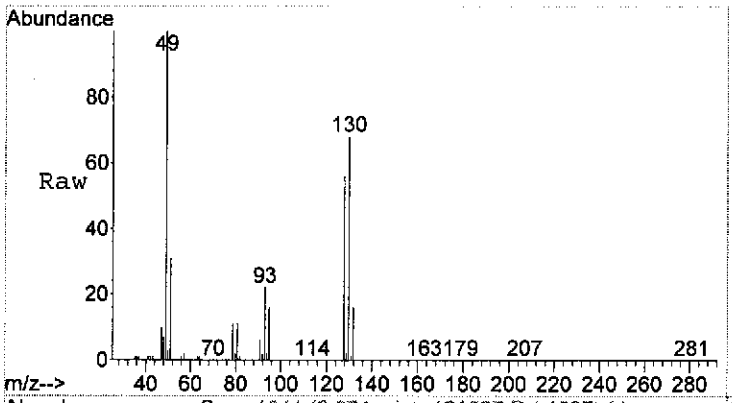


Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	61390	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.66	114	316968	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	286914	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	202029	9.60	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 96.00%			
Target Compounds						Qvalue
12) Acetone	5.50	43	99744	9.90	ppbV	#87 84
17) Methylene_chloride	6.40	49	13503	1.48	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	10299	0.73	ppbV	100
48) Toluene	13.69	91	216538	4.98	ppbV	100
62) Chlorotoluene,_2-	19.22	91	2633	0.71	ppbV	#87 85

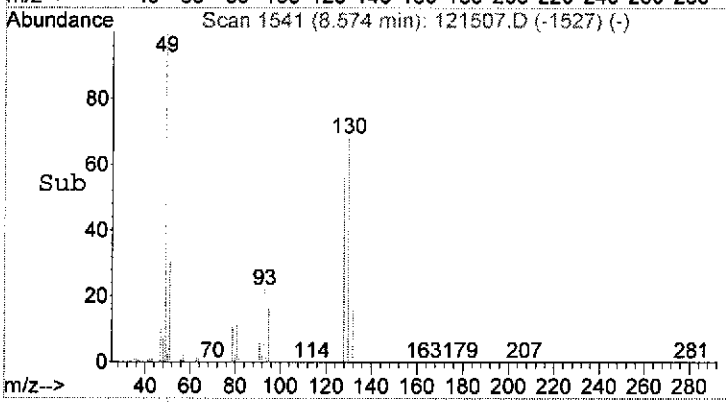
(#) = qualifier out of range (m) = manual integration (+) = signals summed

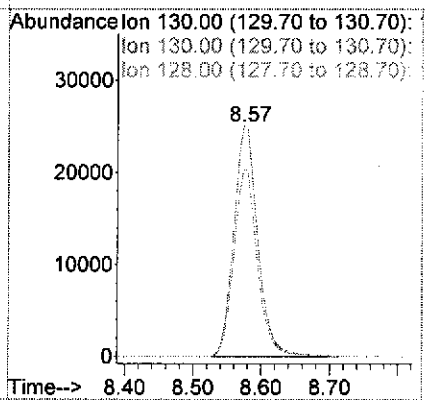


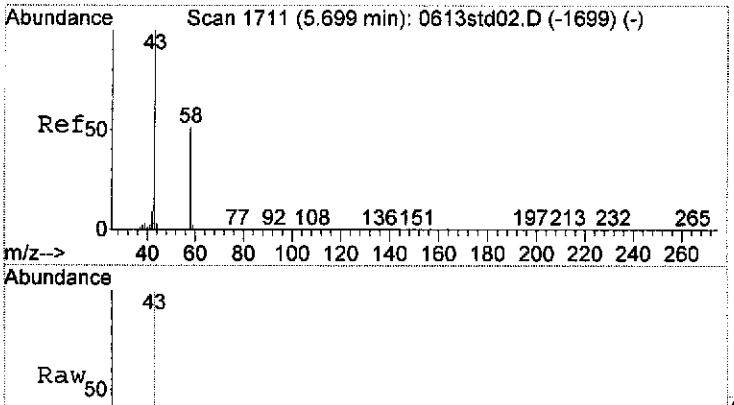
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.57 min Scan# 1541
Delta R.T. -0.04 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:130 Resp: 61390

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	80.6	62.6	94.0



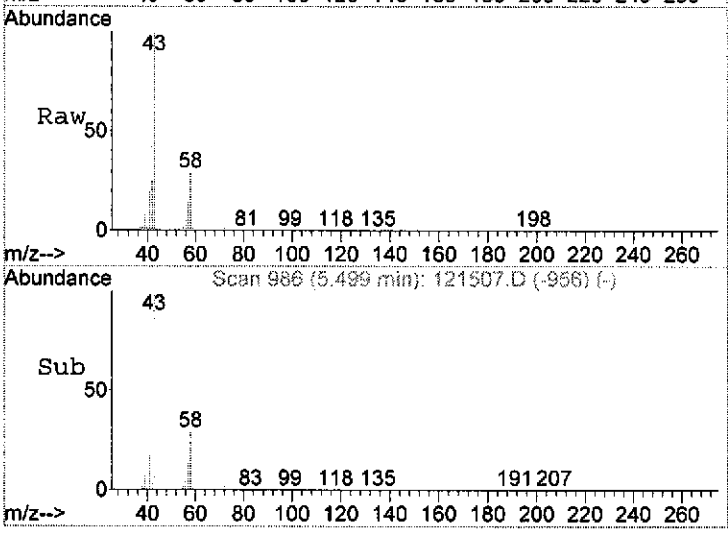


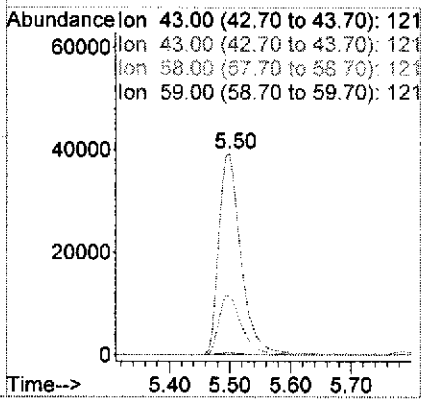


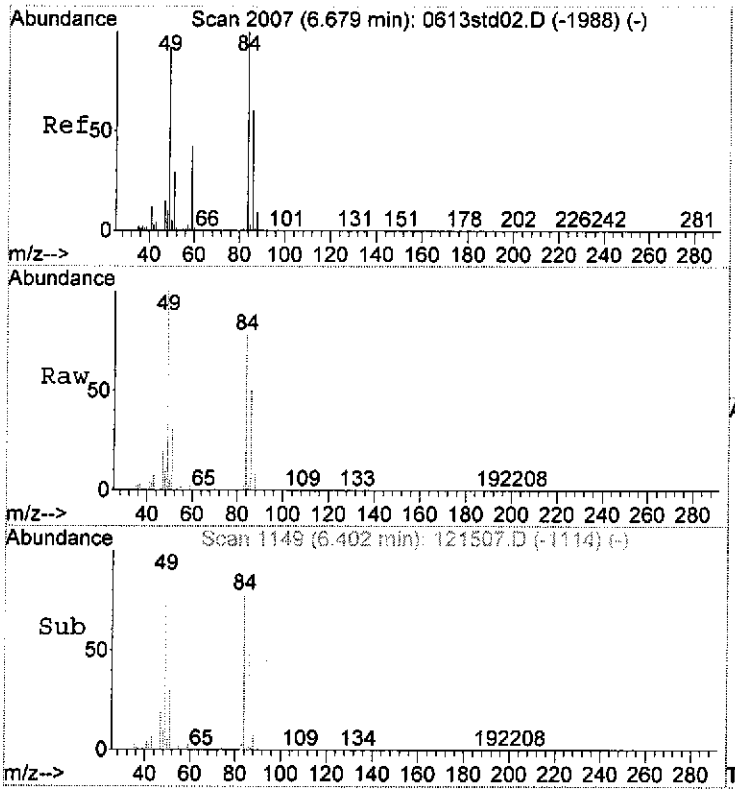
#12
Acetone
Concen: 9.90 ppbV
RT: 5.50 min Scan# 986
Delta R.T. -0.03 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 43 Resp: 99744

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	0.0	28.0	42.0#
59	1.0	0.9	1.3



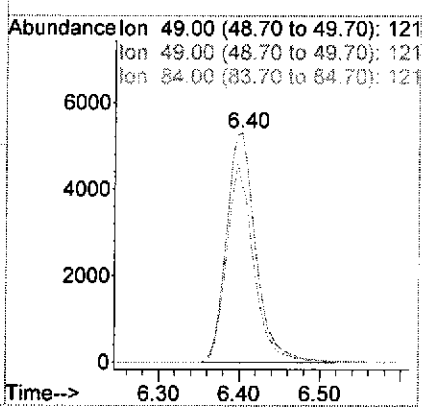


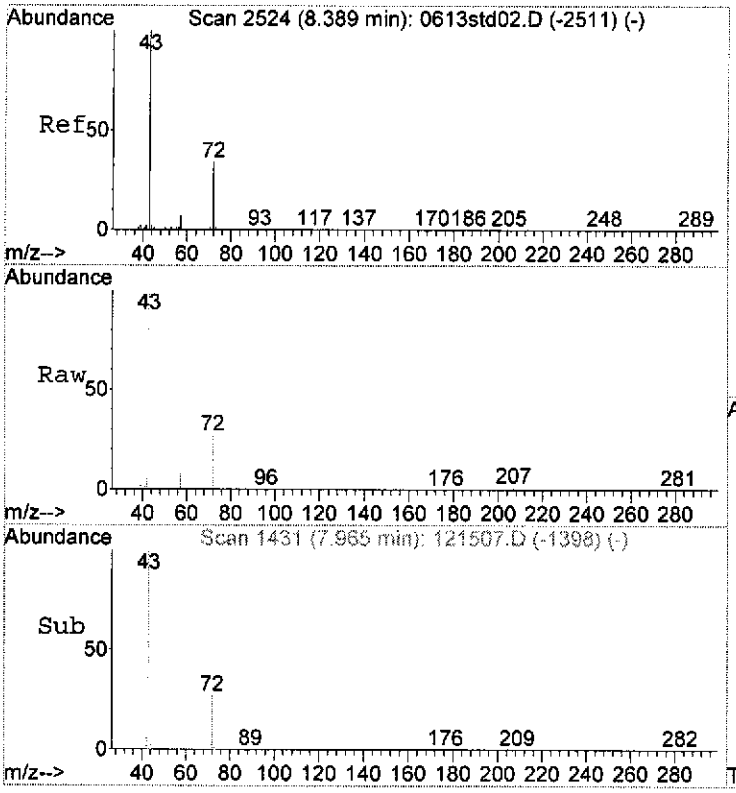


#17
Methylene_chloride
Concen: 1.48 ppbV
RT: 6.40 min Scan# 1149
Delta R.T. -0.01 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 49 Resp: 13503

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	80.0	64.5	96.7

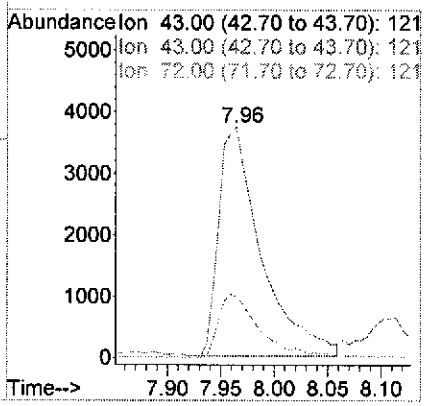


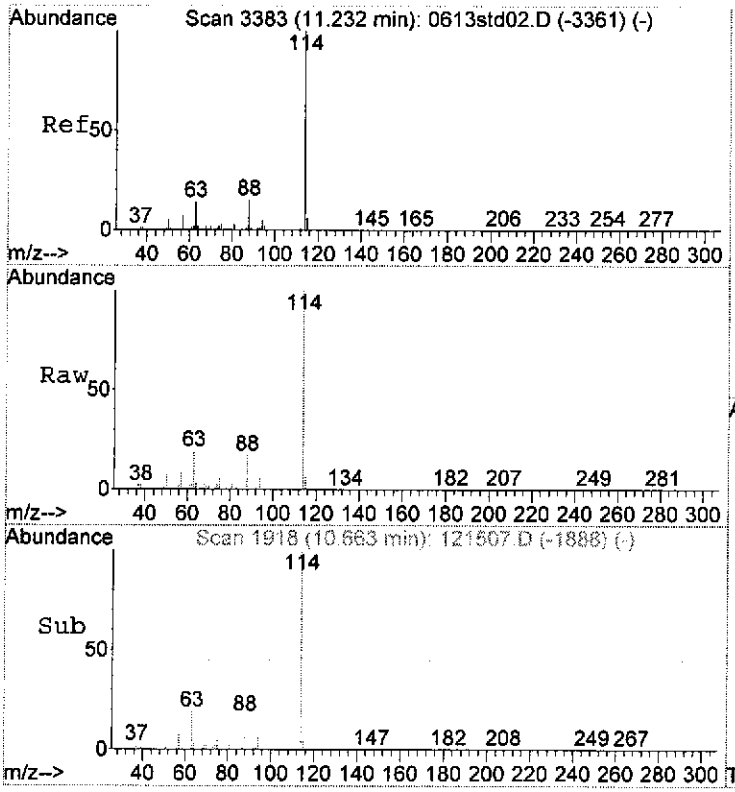


#25
Methyl_ethyl_ketone
Concen: 0.73 ppbV
RT: 7.96 min Scan# 1431
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 43 Resp: 10299

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	27.7	22.6	33.8

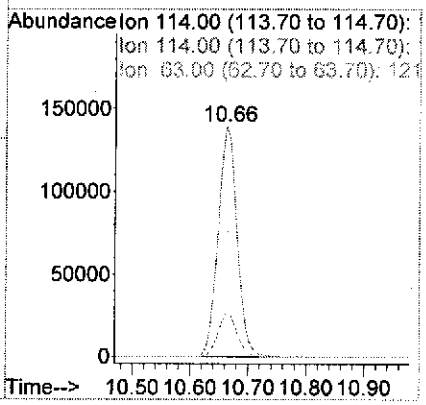


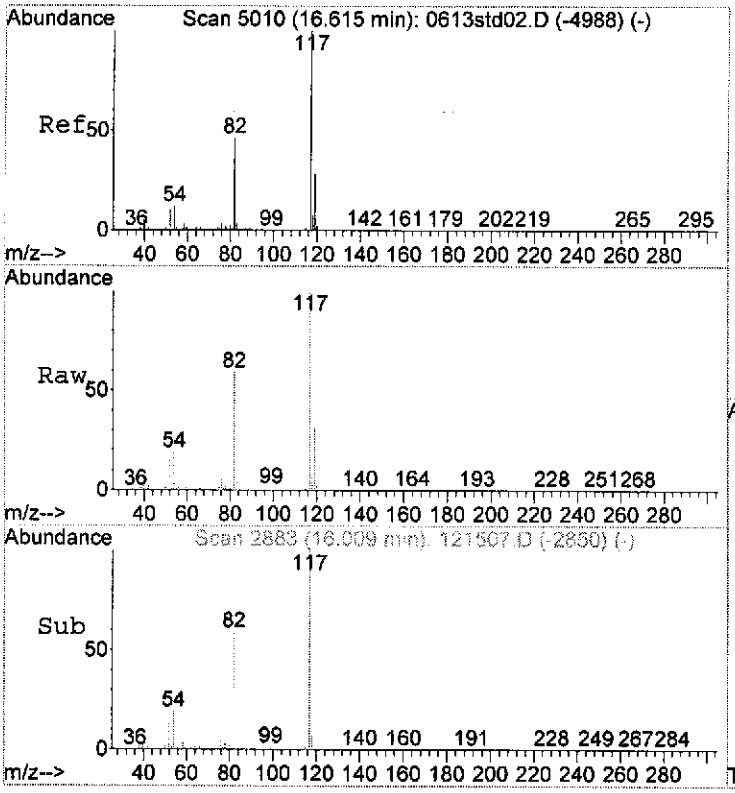


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.66 min Scan# 1918
Delta R.T. -0.03 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:114 Resp: 316968

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.2	15.8	23.6

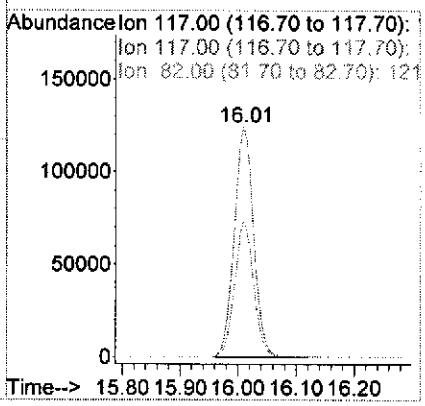


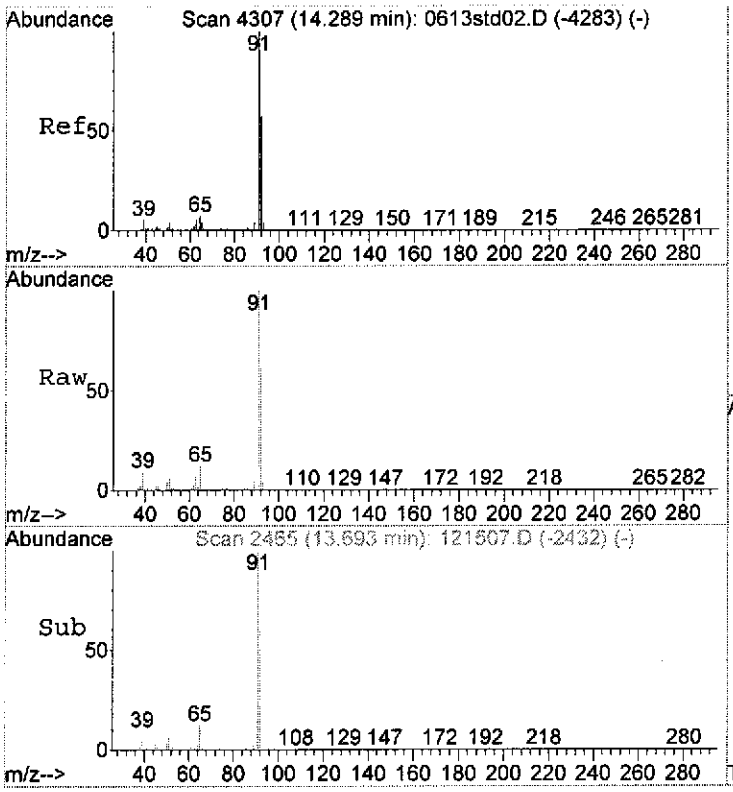


#47
Chlorobenzene,_d-5__(IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2883
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:117 Resp: 286914

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.4	47.3	70.9

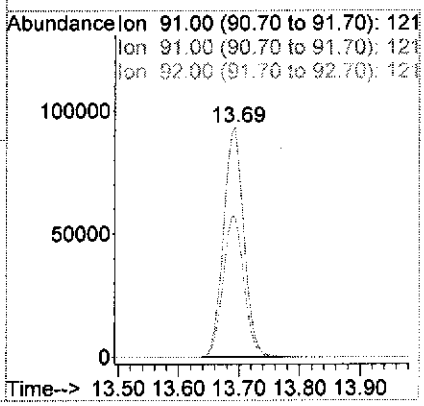


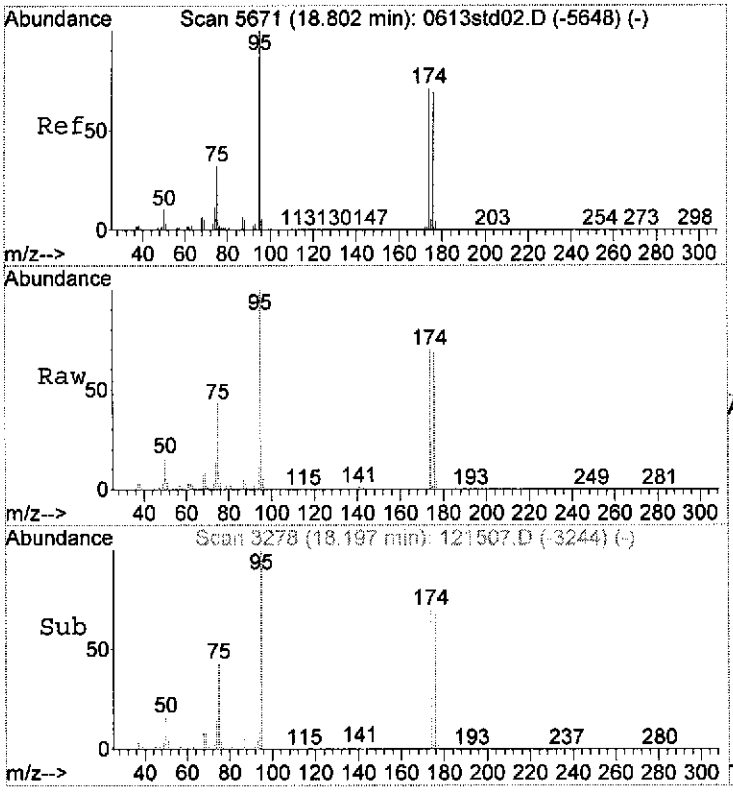


#48
Toluene
Concen: 4.98 ppbV
RT: 13.69 min Scan# 2465
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 91 Resp: 216538

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	62.9	50.9	76.3

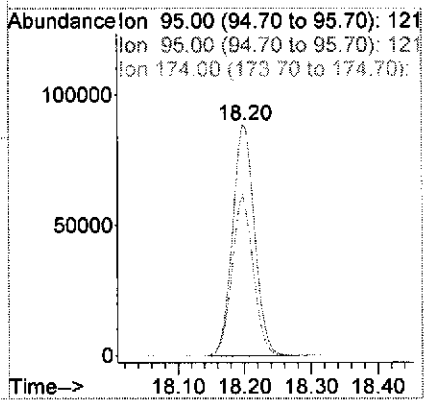


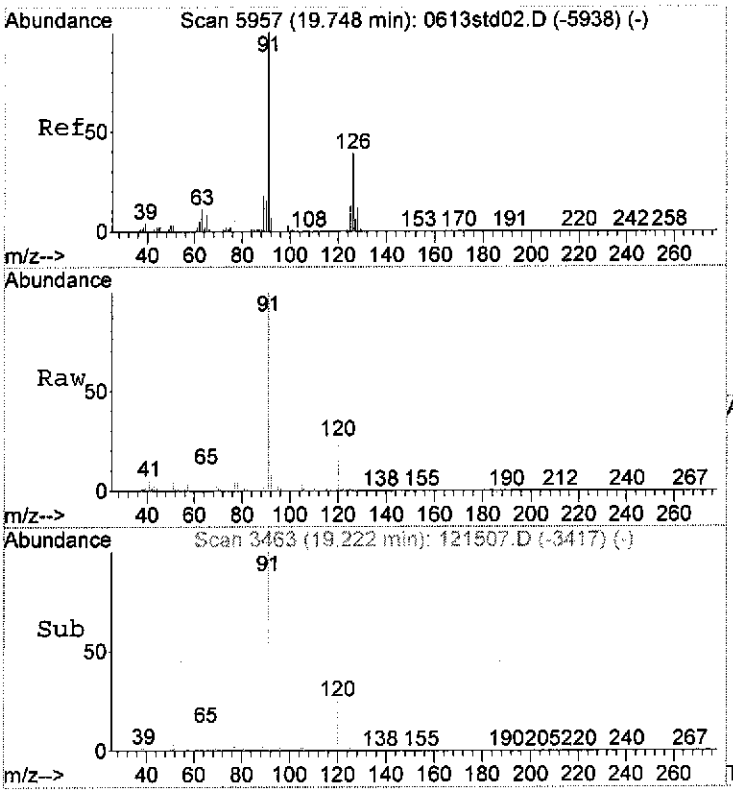


#60
Bromofluorobenzene_(tune_std)
Concen: N.D. ppbV
RT: 18.20 min Scan# 3278
Delta R.T. -0.01 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 95 Resp: 202029

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	66.6	54.1	81.1

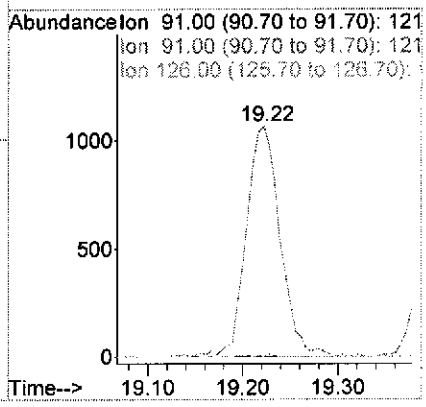




#62
Chlorotoluene, 2-
Concen: 0.71 ppbV
RT: 19.22 min Scan# 3463
Delta R.T. 0.06 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 91 Resp: 2633

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
126	0.0	27.8	41.6#



Quantitation Report (QT Reviewed)

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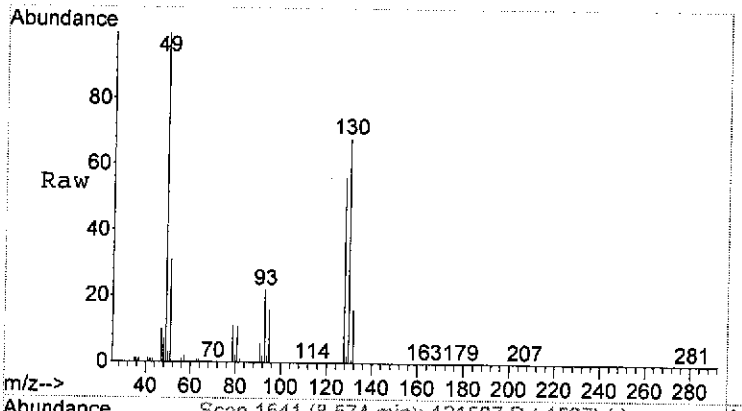
Data File : 121507.D
Acq On : 15 Dec 06 19:55
Operator : .
Sample : 60695-06.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 12:22:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 18 09:18:00 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	61390	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.66	114	316968	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	286914	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	202029	9.60	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 96.00%			
Target Compounds						Qvalue
12) Acetone	5.50	43	99744	9.90	ppbV #	84
17) Methylene_chloride	6.40	49	13503	1.48	ppbV	100
25) Methyl_ethyl_ketone	7.96	43	10299	0.73	ppbV	100
48) Toluene	13.69	91	216538	4.98	ppbV	100
62) Chlorotoluene,_2-	19.22	91	2633	0.71	ppbV #	85

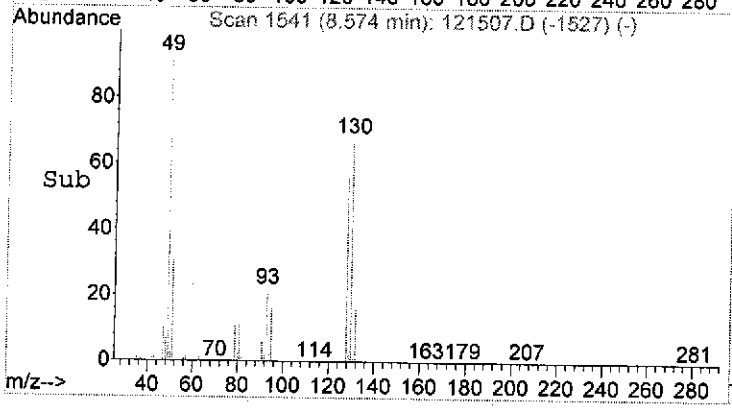
(#) = qualifier out of range (m) = manual integration (+) = signals summed

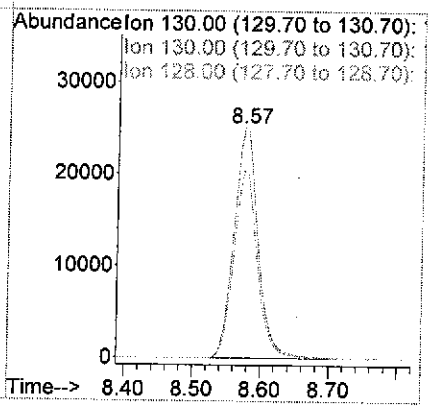


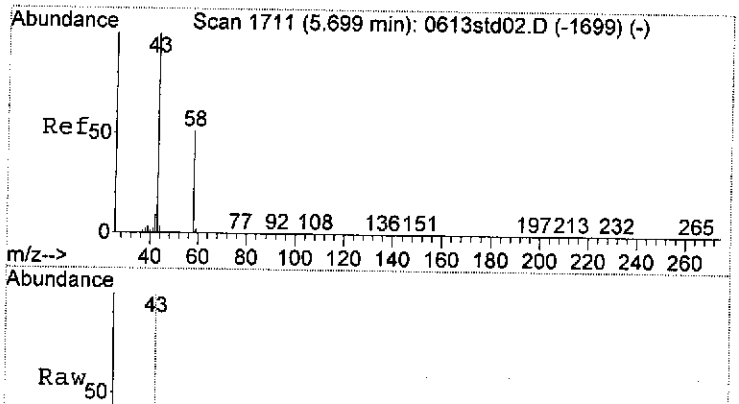
#1
Bromochloromethane_(IS)
Concen: 10.00 ppbV
RT: 8.57 min Scan# 1541
Delta R.T. -0.04 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:130 Resp: 61390

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	80.6	62.6	94.0



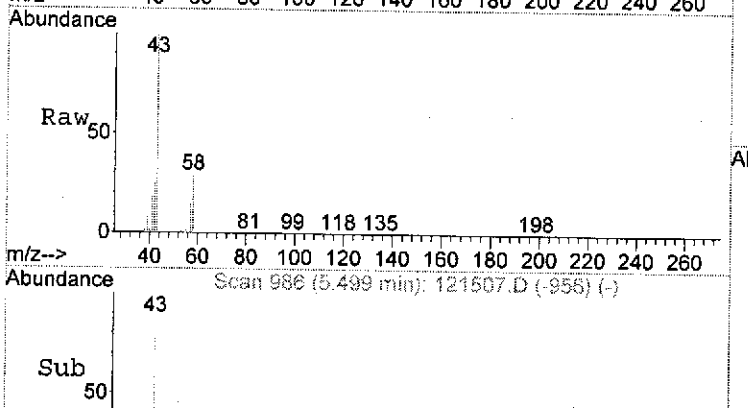


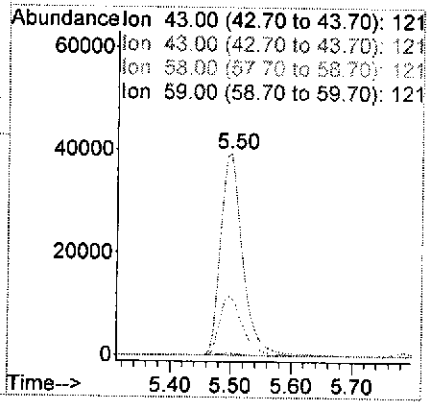


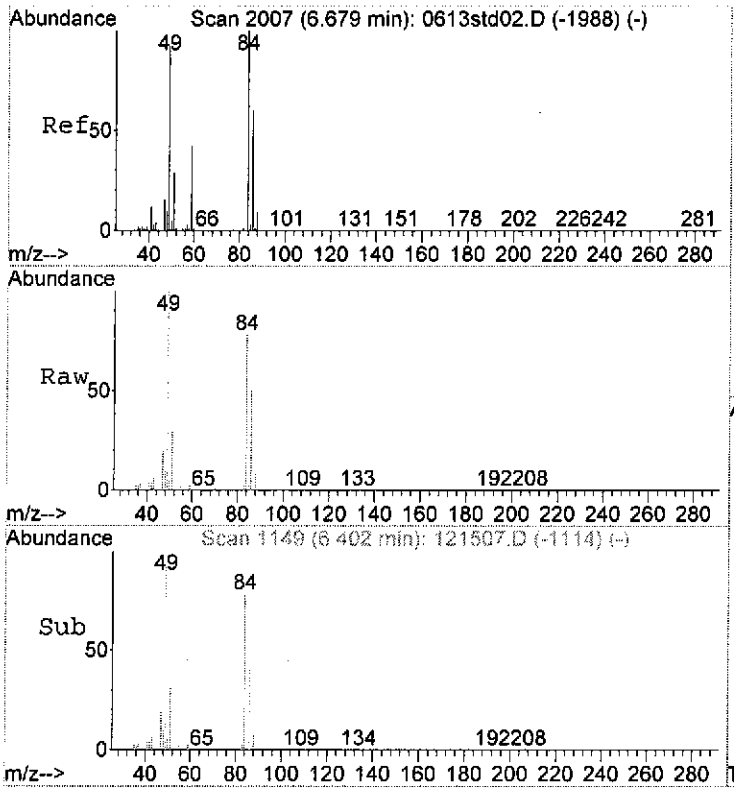
#12
Acetone
Concen: 9.90 ppbV
RT: 5.50 min Scan# 986
Delta R.T. -0.03 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 43 Resp: 99744

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	0.0	28.0	42.0#
59	1.0	0.9	1.3



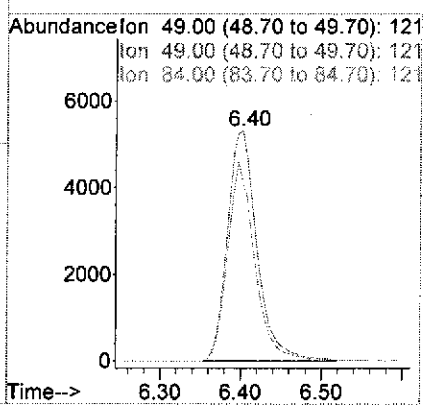


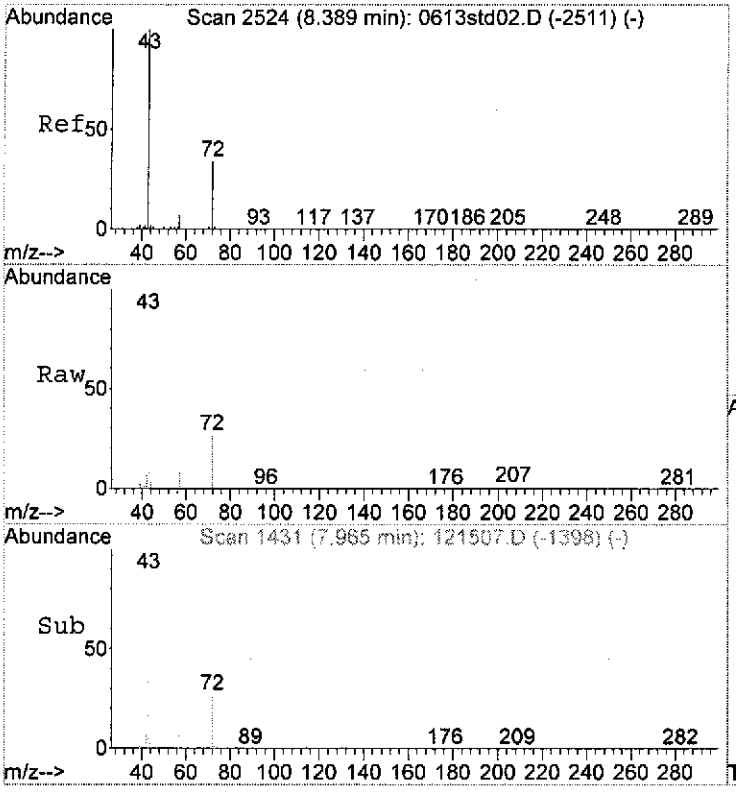


#17
Methylene_chloride
Concen: 1.48 ppbV
RT: 6.40 min Scan# 1149
Delta R.T. -0.01 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 49 Resp: 13503

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	80.0	64.5	96.7

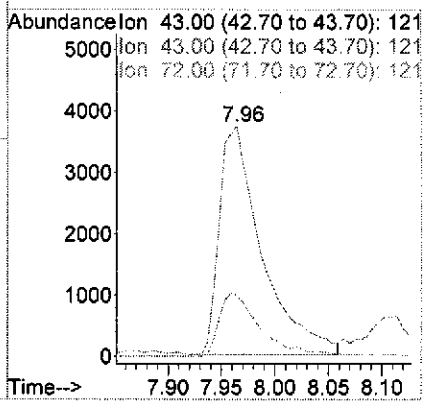


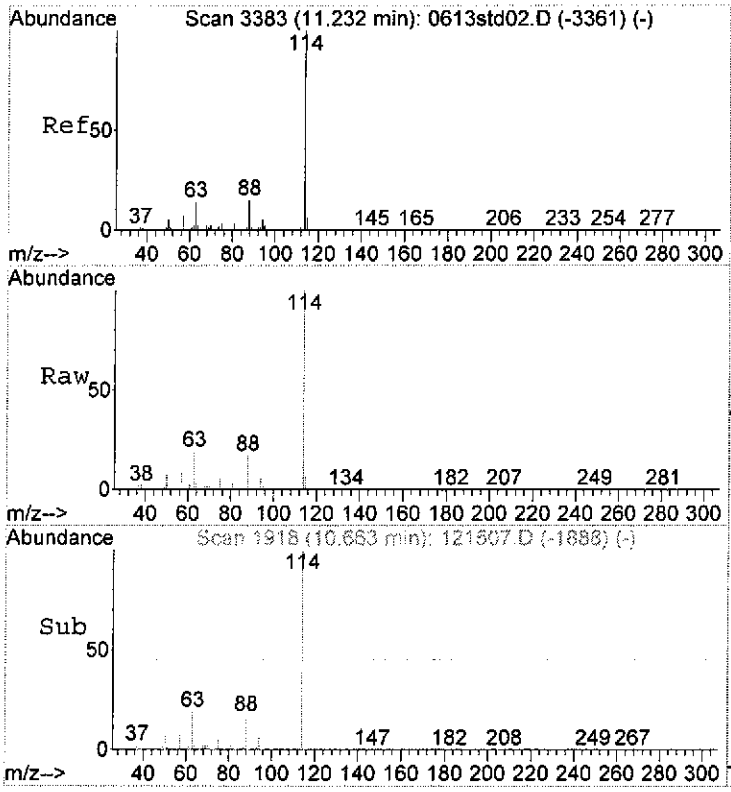


#25
Methyl_ethyl_ketone
Concen: 0.73 ppbV
RT: 7.96 min Scan# 1431
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 43 Resp: 10299

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	27.7	22.6	33.8

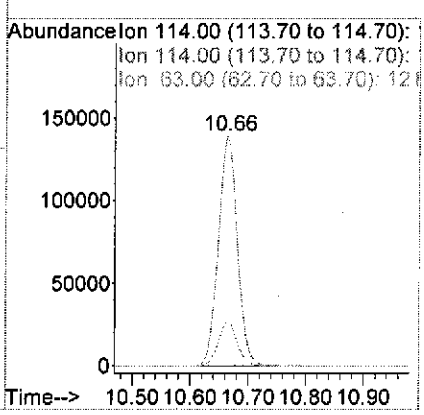


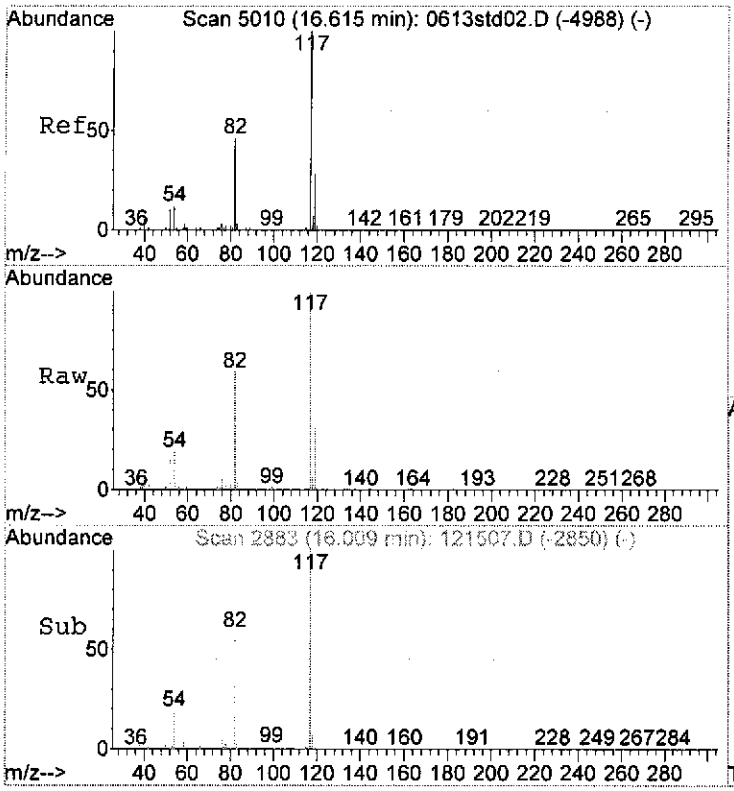


#30
Difluorobenzene,_1,4-_(IS)
Concen: 10.00 ppbV
RT: 10.66 min Scan# 1918
Delta R.T. -0.03 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:114 Resp: 316968

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	19.2	15.8	23.6

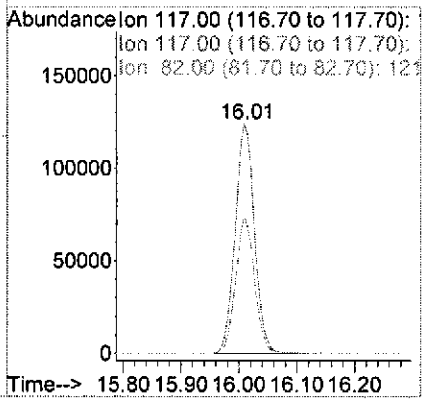


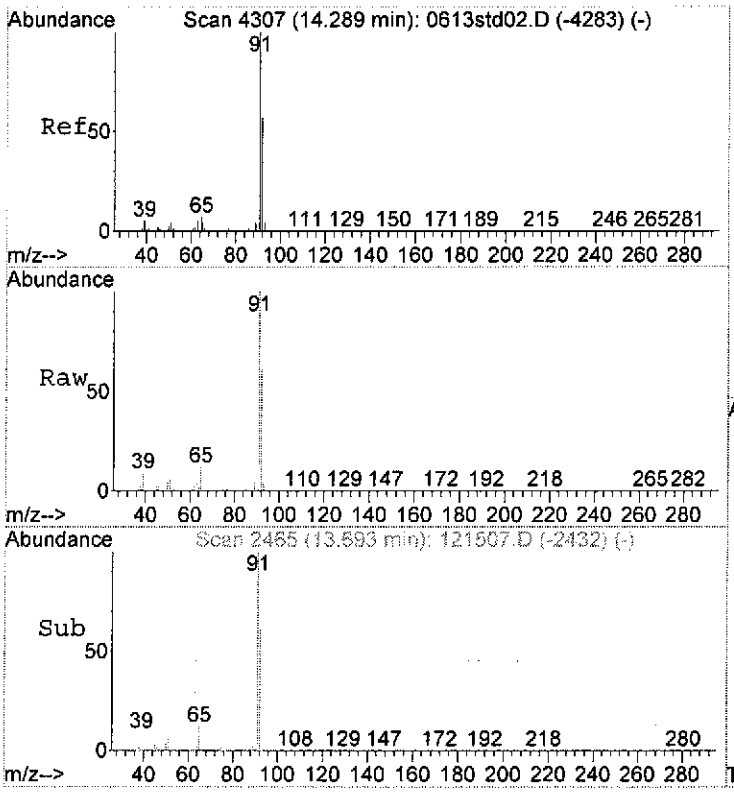


#47
Chlorobenzene,_d-5__(IS)
Concen: 10.00 ppbV
RT: 16.01 min Scan# 2883
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion:117 Resp: 286914

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	58.4	47.3	70.9

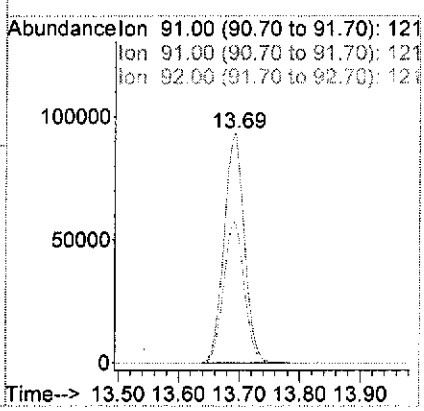


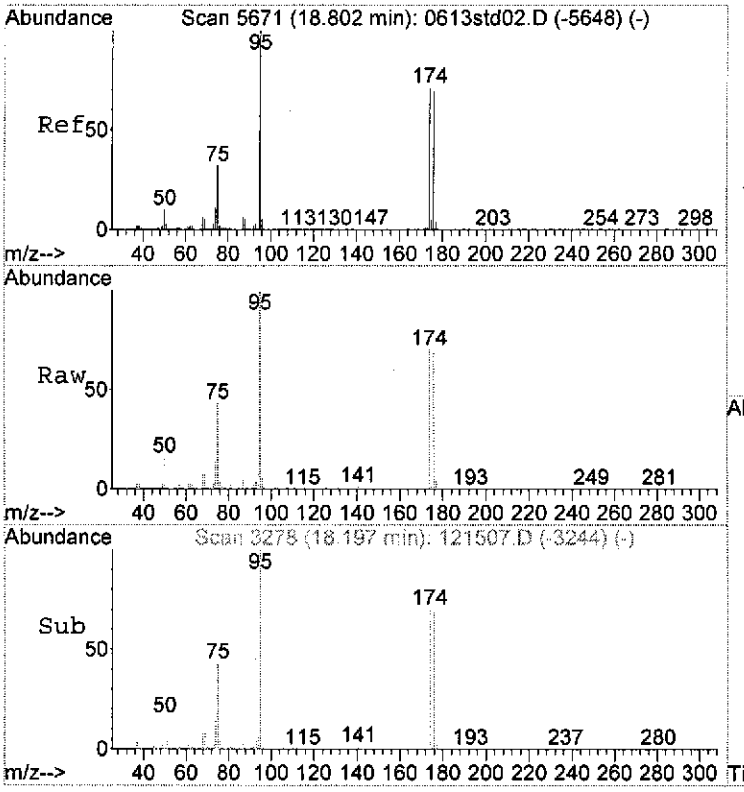


#48
Toluene
Concen: 4.98 ppbV
RT: 13.69 min Scan# 2465
Delta R.T. -0.02 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 91 Resp: 216538

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	62.9	50.9	76.3

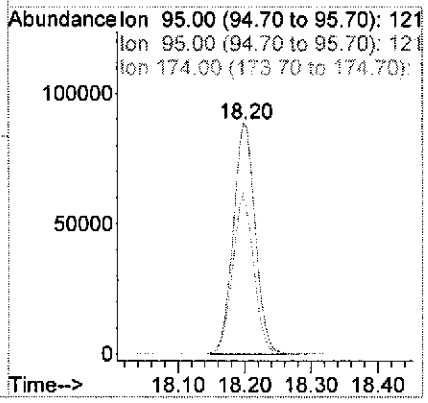


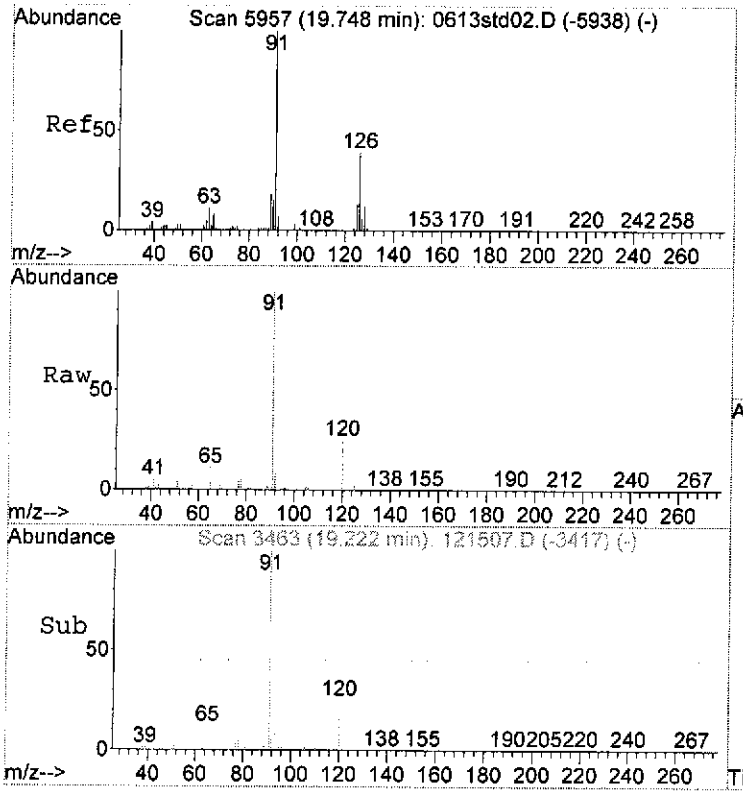


#60
Bromofluorobenzene_(tune_std)
Concen: N.D. ppbV
RT: 18.20 min Scan# 3278
Delta R.T. -0.01 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 95 Resp: 202029

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	66.6	54.1	81.1

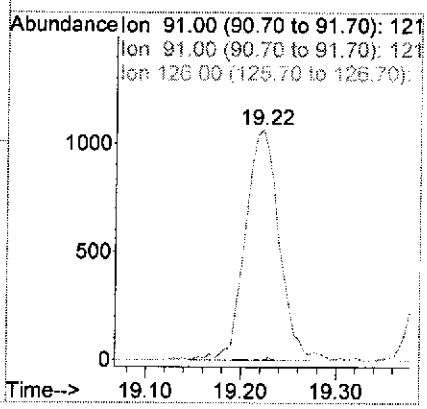




#62
Chlorotoluene, 2-
Concen: 0.71 ppbV
RT: 19.22 min Scan# 3463
Delta R.T. 0.06 min
Lab File: 121507.D
Acq: 15 Dec 06 19:55

Tgt Ion: 91 Resp: 2633

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
126	0.0	27.8	41.6#



Section VIII: Standards Data

Initial Calibration Data Summary with Quantitation Reports and Chromatograms

Continuing Calibration Data Summary with Quantitation Reports and Chromatograms

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std01.D
Acq On : 20 Oct 06 15:12
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 15:01:35 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:20 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.65	130	180039	10.00	ppbV	0.02
30) Difluorobenzene,_1,4-_(IS)	10.72	114	617229	10.00	ppbV	0.01
47) Chlorobenzene,_d-5__(IS)	16.05	117	584027	10.00	ppbV	0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.23	95	417705	10.06	ppbV	0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.60%			
Target Compounds						Qvalue
2) Propene	3.81	41	500767	31.97	ppbV	99
3) Dichlorodifluoromethane	3.90	85	1235990	27.77	ppbV #	97
4) Chloromethane	4.08	50	578969	30.63	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	1352799	23.54	ppbV #	93
6) Vinyl_chloride	4.31	62	843896	32.55	ppbV	99
7) Butadiene,_1,3-	4.46	54	697992	29.69	ppbV	98
8) Bromomethane	4.74	94	622301	32.34	ppbV	97
9) Chloroethane	4.92	64	407089	31.17	ppbV	100
10) Ethanol	5.16	45	237147	28.92	ppbV	95
11) Bromoethene	5.27	106	252048	31.22	ppbV	97
12) Acetone	5.55	43	825892	28.66	ppbV #	82
13) Trichlorofluoromethane	5.67	101	1159415	23.26	ppbV	97
14) Isopropyl alcohol	5.86	45	1237001	31.12	ppbV	99
15) Dichloroethylene,_1,1-	6.30	61	1126870	31.81	ppbV	98
16) Butyl_Alcohol,_tert	6.44	59	622648	34.42	ppbV	100
17) Methylene_chloride	6.44	49	850026	33.60	ppbV	100
18) Chloropropene,_3-	6.56	76	74221	19.50	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.68	101	1806790	35.84	ppbV #	92
20) Carbon_disulfide	6.72	76	2172979	30.95	ppbV	100
21) Dichloroethylene,_trans-1,	7.37	61	1126658	33.23	ppbV	96
22) Dichloroethane, 1,1-	7.60	63	1333622	30.20	ppbV	99
23) Methyl-t-butyl_ether	7.64	73	2102689	30.20	ppbV	99
24) Vinyl acetate	7.64	43	489478	35.28	ppbV #	99
25) Methyl_ethyl_ketone	8.02	43	1348307	30.12	ppbV	99
26) Dichloroethylene,_cis-1,2-	8.46	61	1071438	33.11	ppbV	95
27) Hexane	8.65	57	1409642	33.83	ppbV	97
28) Ethyl acetate	8.69	61	301282	36.42	ppbV	98
29) Chloroform	8.78	83	1477472	30.31	ppbV	98
31) Tetrahydrofuran	9.19	42	865013	41.41	ppbV #	94
32) Dichloroethane,_1,2-	9.57	62	1004548	41.06	ppbV #	80
33) Trichloroethane,_1,1,1-	9.83	97	1629226	42.19	ppbV	96
34) Benzene	10.34	78	2228560	33.07	ppbV #	89
35) Carbon_tetrachloride	10.50	117	1436196	39.95	ppbV	99
36) Cyclohexane	10.63	56	1352568	42.27	ppbV	95
37) Dichloropropane,_1,2-	11.27	63	973970	44.69	ppbV #	79
38) Bromodichloromethane	11.49	83	1969450	44.86	ppbV	98
39) Dioxane, 1,4-	11.52	88	983862	62.05	ppbV	95
40) Trichloroethylene	11.53	130	1792580	54.93	ppbV	94
41) Trimethylpentane,_2,2,4-	11.55	57	1925347	44.86	ppbV	100
42) Heptane	11.85	43	1498605	41.89	ppbV	95
43) Dichloropropene,_cis-1,3-	12.54	75	1593492	42.09	ppbV #	97
44) Methyl_isobutyl_ketone	12.57	43	1706225	40.65	ppbV	96
45) Dichloropropene,_trans-1,3	13.17	75	1516841	41.41	ppbV #	84

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std02.D
Acq On : 20 Oct 2006 11:36
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 08:23:37 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:54 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.64	130	196065	10.00	ppbV	0.02
30) Difluorobenzene,_1,4-_(IS)	10.72	114	750703	10.00	ppbV	0.02
47) Chlorobenzene,_d-5__(IS)	16.05	117	691126	10.00	ppbV	0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.23	95	472653	9.59	ppbV	0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.90%			
Target Compounds						Qvalue
2) Propene	3.82	41	425996	27.76	ppbV	99
3) Dichlorodifluoromethane	3.90	85	1086657	26.46	ppbV	97
4) Chloromethane	4.09	50	524384	28.86	ppbV	99
5) Dichlorotetrafluoroethane	4.20	85	1272897	25.61	ppbV #	93
6) Vinyl_chloride	4.31	62	744428	29.07	ppbV	100
7) Butadiene,_1,3-	4.46	54	605264	27.14	ppbV	97
8) Bromomethane	4.74	94	556113	29.35	ppbV	97
9) Chloroethane	4.92	64	365130	28.85	ppbV	100
10) Ethanol	5.16	45	217908	28.33	ppbV	96
11) Bromoethene	5.26	106	228817	29.23	ppbV	98
12) Acetone	5.56	43	734480	27.27	ppbV	99
13) Trichlorofluoromethane	5.67	101	1057417	24.63	ppbV	97
14) Isopropyl alcohol	5.87	45	1087406	28.26	ppbV	99
15) Dichloroethylene,_1,1-	6.30	61	979428	28.28	ppbV	98
16) Butyl_Alcohol,_tert	6.44	59	527914	28.81	ppbV	100
17) Methylene_chloride	6.44	49	729893	28.80	ppbV	98
18) Chloropropene,_3-	6.56	76	78180	25.36	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.68	101	1515859	29.13	ppbV #	93
20) Carbon_disulfide	6.72	76	1904610	28.09	ppbV	100
21) Dichloroethylene,_trans-1,	7.37	61	964612	28.54	ppbV	96
22) Dichloroethane, 1,1-	7.59	63	1207289	28.61	ppbV	99
23) Methyl-t-butyl_ether	7.63	73	1810830	27.22	ppbV	100
24) Vinyl acetate	7.64	43	386440	27.18	ppbV #	99
25) Methyl_ethyl_ketone	8.02	43	1212708	28.38	ppbV	99
26) Dichloroethylene,_cis-1,2-	8.45	61	924424	28.70	ppbV	95
27) Hexane	8.65	57	1190523	28.43	ppbV	99
28) Ethyl acetate	8.69	61	258400	30.03	ppbV	97
29) Chloroform	8.78	83	1312430	28.13	ppbV	98
31) Tetrahydrofuran	9.19	42	746423	28.87	ppbV #	93
32) Dichloroethane,_1,2-	9.57	62	839963	27.86	ppbV #	80
33) Trichloroethane,_1,1,1-	9.82	97	1363555	28.26	ppbV	97
34) Benzene	10.34	78	2055564	27.46	ppbV	98
35) Carbon_tetrachloride	10.49	117	1276068	29.20	ppbV	99
36) Cyclohexane	10.63	56	1177502	29.42	ppbV	95
37) Dichloropropane,_1,2-	11.26	63	850074	30.29	ppbV #	94
38) Bromodichloromethane	11.48	83	1633449	28.84	ppbV	99
39) Dioxane, 1,4-	11.51	88	747115	30.37	ppbV	96
40) Trichloroethylene	11.52	130	1433384	30.43	ppbV	94
41) Trimethylpentane,_2,2,4-	11.54	57	1654759	29.89	ppbV	99
42) Heptane	11.85	43	1289605	28.96	ppbV	95
43) Dichloropropene,_cis-1,3-	12.53	75	1387943	29.37	ppbV #	88
44) Methyl_isobutyl_ketone	12.57	43	1466690	28.50	ppbV	97
45) Dichloropropene,_trans-1,3	13.17	75	1313525	28.97	ppbV	97

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std02.D
Acq On : 20 Oct 2006 11:36
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

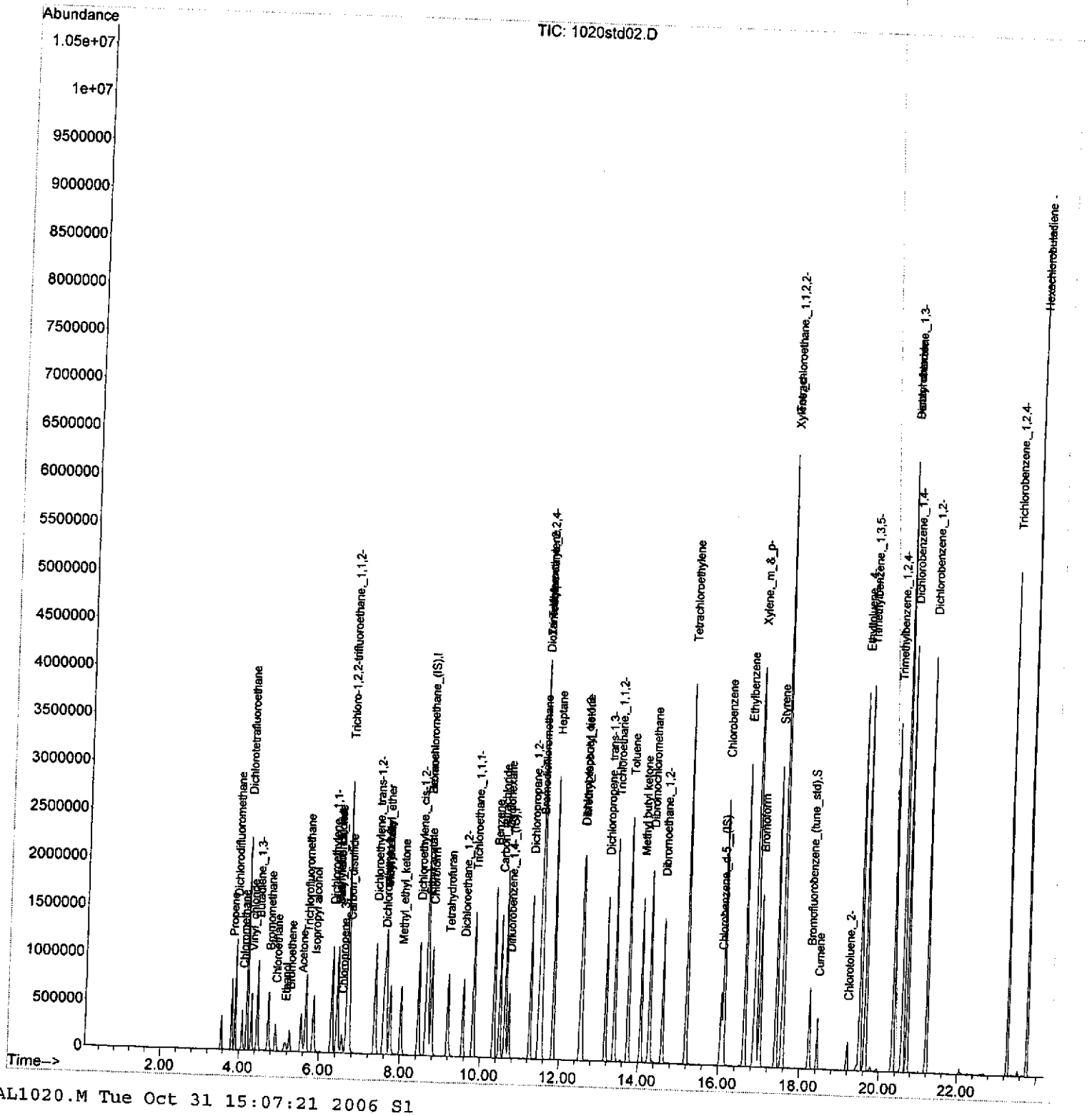
Quant Time: Oct 23 08:23:37 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:54 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	1011039	30.08	ppbV	97
48) Toluene	13.73	91	2416500	27.04	ppbV	97
49) Methyl butyl ketone	14.06	43	1323930	27.76	ppbV #	90
50) Dibromochloromethane	14.28	129	1557946	29.60	ppbV	99
51) Dibromoethane,_1,2-	14.60	107	1494645	29.48	ppbV	99
52) Tetrachloroethylene	15.19	166	1643322	30.49	ppbV	97
53) Chlorobenzene	16.11	112	2123874	28.16	ppbV	99
54) Ethylbenzene	16.63	91	2747250	25.76	ppbV #	95
55) Xylene,_m_&_p-	16.90	91	4307195	25.05	ppbV #	92
56) Bromoform	17.00	171	961145	30.18	ppbV #	95
57) Styrene	17.40	104	2041179	26.84	ppbV	99
58) Tetrachloroethane,_1,1,2,2	17.56	83	2110972	28.12	ppbV #	92
59) Xylene,_o-	17.57	91	2670140	26.67	ppbV #	92
61) Cumene	18.43	105	516680	28.31	ppbV #	98
62) Chlorotoluene,_2-	19.18	91	256107	28.62	ppbV	98
63) Ethyltoluene,_4-	19.50	105	2614705m	22.51	ppbV	
64) Trimethylbenzene,_1,3,5-	19.63	105	2691067	25.00	ppbV	95
65) Trimethylbenzene,_1,2,4-	20.33	105	2672603	25.85	ppbV #	94
66) Benzyl chloride	20.57	91	2599276	26.11	ppbV #	94
67) Dichlorobenzene,_1,3-	20.58	146	2360431	27.92	ppbV #	93
68) Dichlorobenzene,_1,4-	20.69	146	2091884	26.96	ppbV #	94
69) Dichlorobenzene,_1,2-	21.19	146	1886138	27.05	ppbV #	93
70) Trichlorobenzene,_1,2,4-	23.26	180	1398353	28.09	ppbV	94
71) Hexachlorobutadiene	23.75	225	1399702	28.20	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std02.D
Acq On : 20 Oct 2006 11:36
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 08:23:37 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:54 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 15:07:21 2006 S1

0152

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std01.D
Acq On : 20 Oct 06 15:12
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 15:01:35 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:20 2006
Response via : Initial Calibration

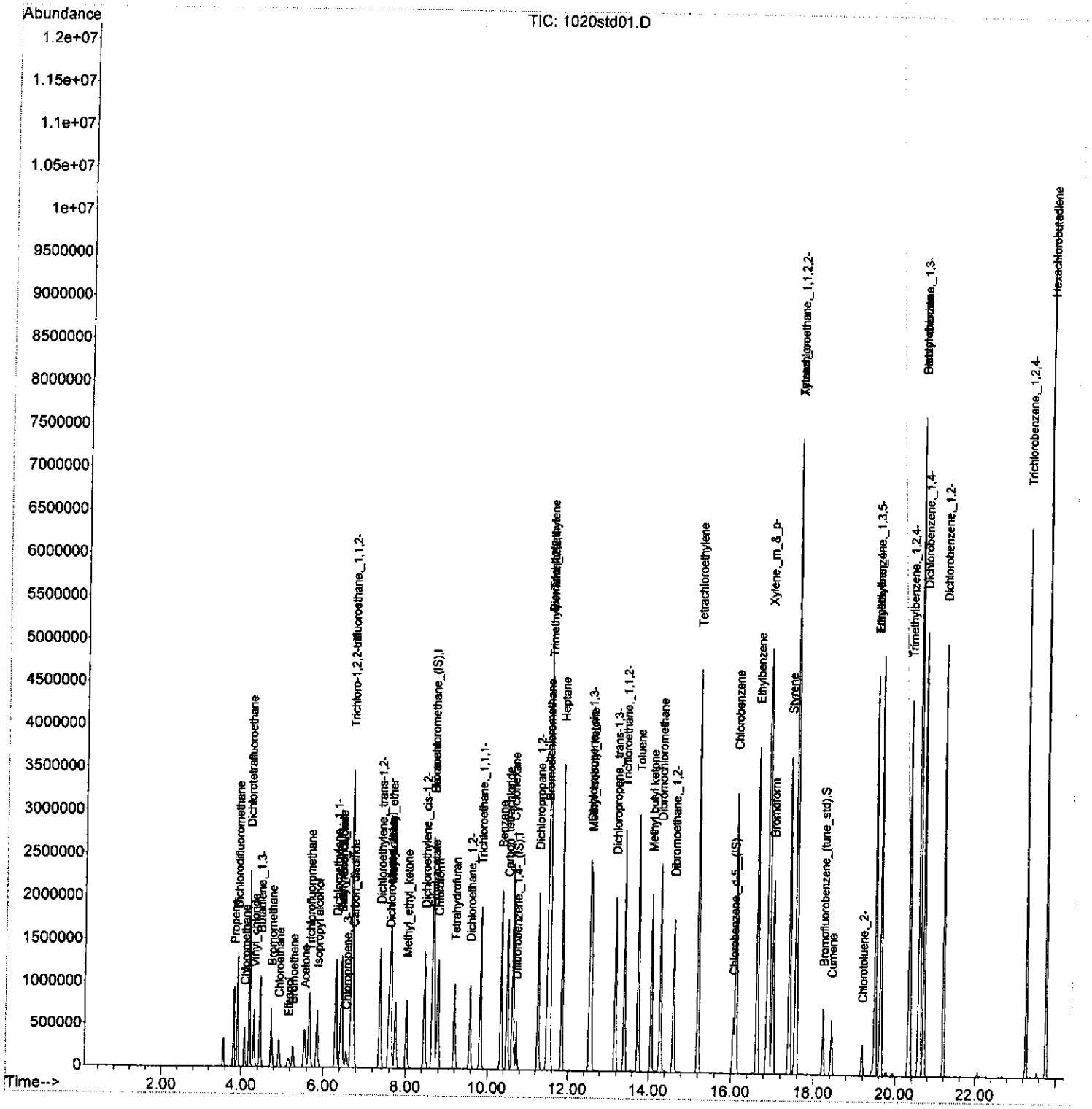
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	1187454	46.40	ppbV		98
48) Toluene	13.74	91	2698866	32.31	ppbV		96
49) Methyl butyl ketone	14.06	43	1585422	38.71	ppbV	#	76
50) Dibromochloromethane	14.27	129	1841443	42.89	ppbV		100
51) Dibromoethane,_1,2-	14.60	107	1783270	43.38	ppbV		99
52) Tetrachloroethylene	15.19	166	1949543	46.02	ppbV		97
53) Chlorobenzene	16.11	112	2401113	35.59	ppbV		98
54) Ethylbenzene	16.63	91	3065613	29.58	ppbV	#	93
55) Xylene,_m_&_p-	16.91	91	4885682	29.01	ppbV	#	92
56) Bromoform	17.01	171	1243445	54.70	ppbV		97
57) Styrene	17.41	104	2346646	33.60	ppbV		100
58) Tetrachloroethane,_1,1,2,2	17.56	83	2444000	37.15	ppbV	#	91
59) Xylene,_o-	17.57	91	3118579	34.17	ppbV	#	91
61) Cumene	18.43	105	600167	37.90	ppbV	#	97
62) Chlorotoluene,_2-	19.18	91	296888	38.54	ppbV		98
63) Ethyltoluene,_4-	19.50	105	3365719	30.02	ppbV	#	92
64) Trimethylbenzene,_1,3,5-	19.50	105	3318917	33.54	ppbV		97
65) Trimethylbenzene,_1,2,4-	20.34	105	3109851	32.06	ppbV	#	93
66) Benzyl chloride	20.57	91	3017690	32.52	ppbV	#	93
67) Dichlorobenzene,_1,3-	20.59	146	2830006	39.23	ppbV	#	93
68) Dichlorobenzene,_1,4-	20.70	146	2471417	35.63	ppbV	#	94
69) Dichlorobenzene,_1,2-	21.19	146	2227739	35.85	ppbV	#	93
70) Trichlorobenzene,_1,2,4-	23.26	180	1700946	40.89	ppbV		94
71) Hexachlorobutadiene	23.75	225	1711459	41.65	ppbV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std01.D
Acq On : 20 Oct 06 15:12
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 15:01:35 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:01:20 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 15:06:40 2006 S1

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std03.D
Acq On : 20 Oct 2006 12:16
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 15:02:29 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:02:17 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	174569	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.71	114	693385	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.04	117	643709	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	453054	10.01	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.10%				
Target Compounds							Qvalue
2) Propene	3.82	41	281420	21.12	ppbV		99
3) Dichlorodifluoromethane	3.91	85	763406	21.73	ppbV		99
4) Chloromethane	4.08	50	344781	21.58	ppbV		100
5) Dichlorotetrafluoroethane	4.21	85	933452	22.18	ppbV	#	94
6) Vinyl_chloride	4.32	62	480272	21.29	ppbV		100
7) Butadiene,_1,3-	4.46	54	401205	20.87	ppbV		97
8) Bromomethane	4.74	94	354702	21.18	ppbV		96
9) Chloroethane	4.92	64	235492	21.17	ppbV		100
10) Ethanol	5.15	45	147108	21.89	ppbV		95
11) Bromoethene	5.26	106	148573	21.50	ppbV		98
12) Acetone	5.55	43	509673	21.92	ppbV		100
13) Trichlorofluoromethane	5.67	101	746814	20.78	ppbV		97
14) Isopropyl alcohol	5.85	45	710242	21.14	ppbV		100
15) Dichloroethylene,_1,1-	6.30	61	637810	21.09	ppbV		98
16) Butyl_Alcohol,_tert	6.43	59	327962	20.37	ppbV		100
17) Methylene_chloride	6.43	49	462855	20.79	ppbV		99
18) Chloropropene,_3-	6.55	76	59339	22.79	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.68	101	971758	21.18	ppbV		95
20) Carbon_disulfide	6.73	76	1264654	21.40	ppbV		100
21) Dichloroethylene,_trans-1,	7.37	61	623048	21.05	ppbV		96
22) Dichloroethane, 1,1-	7.59	63	786897	21.27	ppbV		99
23) Methyl-t-butyl_ether	7.63	73	1223658	21.32	ppbV		100
24) Vinyl acetate	7.63	43	245342	20.01	ppbV	#	99
25) Methyl_ethyl_ketone	8.01	43	797761	21.35	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.45	61	583415	20.64	ppbV		96
27) Hexane	8.64	57	764464	20.87	ppbV		99
28) Ethyl acetate	8.68	61	156516	20.42	ppbV		98
29) Chloroform	8.77	83	858251	21.10	ppbV		99
31) Tetrahydrofuran	9.18	42	475759	20.18	ppbV	#	94
32) Dichloroethane,_1,2-	9.56	62	553552	20.36	ppbV	#	80
33) Trichloroethane,_1,1,1-	9.82	97	883065	20.20	ppbV		98
34) Benzene	10.33	78	1446530	21.53	ppbV		100
35) Carbon_tetrachloride	10.48	117	826535	20.66	ppbV		99
36) Cyclohexane	10.62	56	749992	20.42	ppbV		96
37) Dichloropropane,_1,2-	11.25	63	519622	19.98	ppbV	#	94
38) Bromodichloromethane	11.48	83	1056969	20.47	ppbV		100
39) Dioxane, 1,4-	11.50	88	427527	18.74	ppbV		97
40) Trichloroethylene	11.52	130	852993	19.51	ppbV		94
41) Trimethylpentane,_2,2,4-	11.54	57	1059065	20.73	ppbV		98
42) Heptane	11.84	43	850547	20.92	ppbV		97
43) Dichloropropene,_cis-1,3-	12.53	75	882418	20.36	ppbV		98
44) Methyl_isobutyl_ketone	12.56	43	968267	20.72	ppbV		99
45) Dichloropropene,_trans-1,3	13.16	75	858360	20.73	ppbV		98

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std03.D
Acq On : 20 Oct 2006 12:16
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

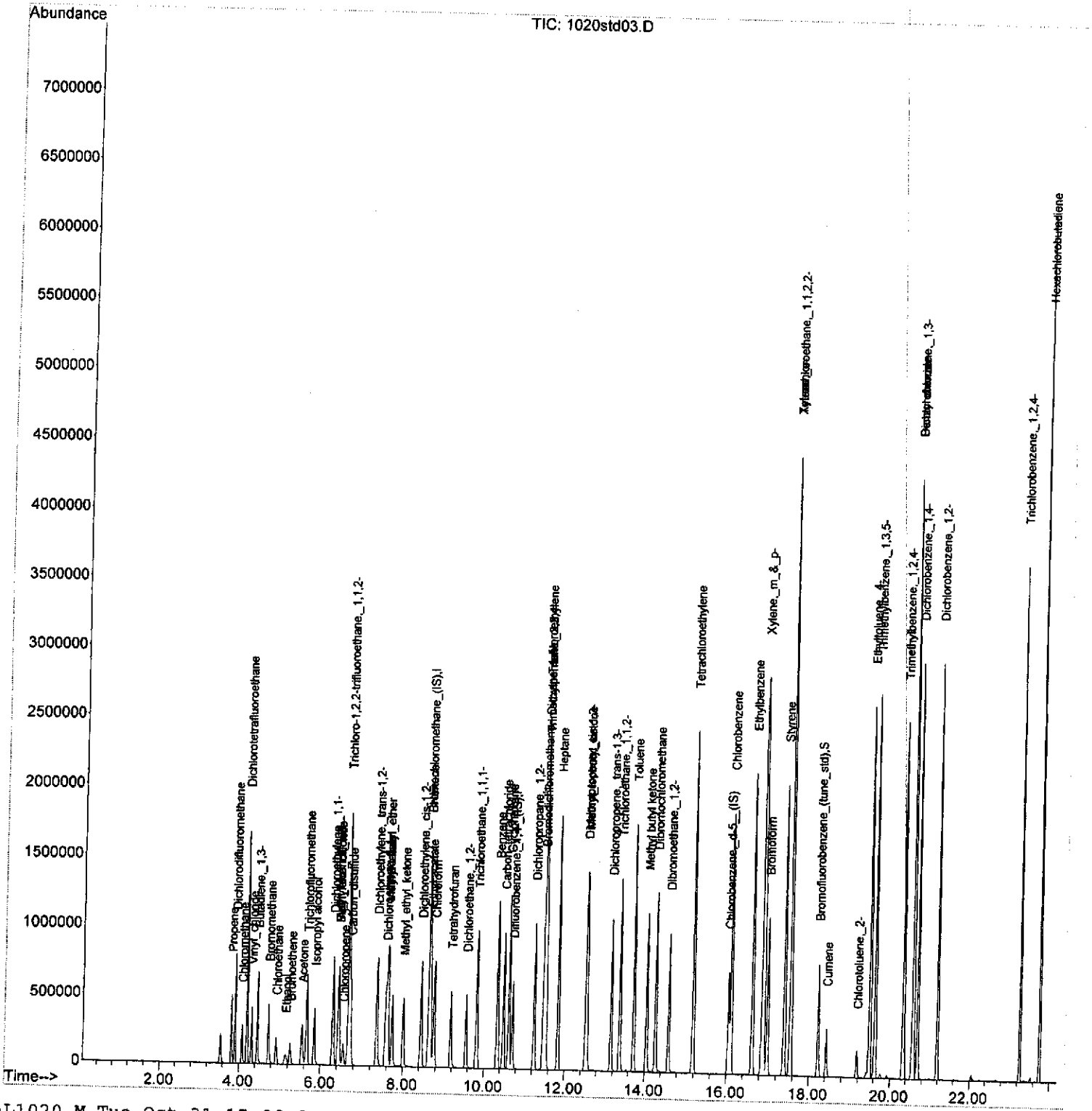
Quant Time: Oct 20 15:02:29 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:02:17 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	613475	19.74 ppbV	96
48) Toluene	13.73	91	1728402	21.47 ppbV	98
49) Methyl butyl ketone	14.05	43	908980	20.99 ppbV #	92
50) Dibromochloromethane	14.27	129	980492	20.09 ppbV	98
51) Dibromoethane,_1,2-	14.59	107	953137	20.30 ppbV	98
52) Tetrachloroethylene	15.18	166	1023705	20.28 ppbV	95
53) Chlorobenzene	16.10	112	1464843	21.29 ppbV	100
54) Ethylbenzene	16.62	91	2000667	21.13 ppbV	97
55) Xylene,_m_&_p-	16.88	91	3210113	21.21 ppbV #	73
56) Bromoform	16.99	171	561942	18.91 ppbV #	93
57) Styrene	17.39	104	1462449	21.40 ppbV	95
58) Tetrachloroethane,_1,1,2,2	17.54	83	1499636	21.90 ppbV	94
59) Xylene,_o-	17.55	91	1934689	21.54 ppbV #	94
61) Cumene	18.42	105	334035	20.03 ppbV #	98
62) Chlorotoluene,_2-	19.18	91	165629	20.18 ppbV	98
63) Ethyltoluene,_4-	19.48	105	2117596	24.76 ppbV #	96
64) Trimethylbenzene,_1,3,5-	19.62	105	1946393	20.55 ppbV	96
65) Trimethylbenzene,_1,2,4-	20.32	105	1922676	20.93 ppbV	96
66) Benzyl chloride	20.56	91	1929416	21.75 ppbV #	97
67) Dichlorobenzene,_1,3-	20.57	146	1651620	21.47 ppbV	95
68) Dichlorobenzene,_1,4-	20.68	146	1496253	21.43 ppbV	96
69) Dichlorobenzene,_1,2-	21.18	146	1345274	21.42 ppbV	95
70) Trichlorobenzene,_1,2,4-	23.26	180	973665	21.46 ppbV	94
71) Hexachlorobutadiene	23.75	225	986610	21.78 ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std03.D
Acq On : 20 Oct 2006 12:16
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 15:02:29 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Fri Oct 20 16:02:17 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 15:09:36 2006 S1

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std04.D
Acq On : 20 Oct 2006 12:55
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:47:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	156755	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	699876	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	638965	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	454444	10.09	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.90%			
Target Compounds						Qvalue
2) Propene	3.82	41	136381	10.41	ppbV	99
3) Dichlorodifluoromethane	3.91	85	387546	10.90	ppbV	100
4) Chloromethane	4.09	50	164564	10.51	ppbV	99
5) Dichlorotetrafluoroethane	4.20	85	500274	11.66	ppbV	96
6) Vinyl_chloride	4.32	62	225745	10.29	ppbV	100
7) Butadiene,_1,3-	4.46	54	204704	10.79	ppbV	98
8) Bromomethane	4.74	94	167564	10.43	ppbV	97
9) Chloroethane	4.91	64	113729	10.63	ppbV	100
10) Ethanol	5.13	45	71385	12.29	ppbV	95
11) Bromoethene	5.26	106	70298	10.66	ppbV	97
12) Acetone	5.54	43	250901	11.22	ppbV #	100
13) Trichlorofluoromethane	5.66	101	434038	12.16	ppbV	98
14) Isopropyl alcohol	5.83	45	346113	11.41	ppbV	100
15) Dichloroethylene,_1,1-	6.29	61	308432	10.65	ppbV	99
16) Butyl_Alcohol,_tert	6.41	59	157487	11.18	ppbV	100
17) Methylene_chloride	6.42	49	220235	10.20	ppbV	99
18) Chloropropene,_3-	6.54	76	33135	12.53	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.67	101	438917	10.31	ppbV	96
20) Carbon_disulfide	6.72	76	611269	10.79	ppbV	100
21) Dichloroethylene,_trans-1,	7.35	61	295167	10.58	ppbV	96
22) Dichloroethane, 1,1-	7.57	63	384542	10.80	ppbV	100
23) Methyl-t-butyl_ether	7.62	73	606144	10.95	ppbV	99
24) Vinyl acetate	7.62	43	120792	10.39	ppbV #	99
25) Methyl_ethyl_ketone	7.99	43	389697	11.45	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.43	61	281760	10.58	ppbV	97
27) Hexane	8.63	57	362765	10.58	ppbV	99
28) Ethyl acetate	8.67	61	72022	10.87	ppbV	99
29) Chloroform	8.76	83	424423	10.89	ppbV	100
31) Tetrahydrofuran	9.17	42	236864	10.09	ppbV #	85
32) Dichloroethane,_1,2-	9.55	62	277439	9.98	ppbV #	80
33) Trichloroethane,_1,1,1-	9.81	97	437922	9.82	ppbV	98
34) Benzene	10.32	78	764151	10.74	ppbV	99
35) Carbon_tetrachloride	10.48	117	407655	10.01	ppbV	99
36) Cyclohexane	10.62	56	362855	9.67	ppbV	95
37) Dichloropropane,_1,2-	11.24	63	247135	9.54	ppbV #	94
38) Bromodichloromethane	11.47	83	497804	9.64	ppbV	100
39) Dioxane, 1,4-	11.50	88	179803	8.71	ppbV	97
40) Trichloroethylene	11.51	130	370024	8.85	ppbV	95
41) Trimethylpentane,_2,2,4-	11.53	57	486620	9.52	ppbV	97
42) Heptane	11.84	43	405606	9.72	ppbV	99
43) Dichloropropene,_cis-1,3-	12.52	75	429299	9.97	ppbV	99
44) Methyl_isobutyl_ketone	12.55	43	475918	10.39	ppbV	100
45) Dichloropropene,_trans-1,3	13.16	75	415357	10.08	ppbV	97

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std04.D
Acq On : 20 Oct 2006 12:55
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

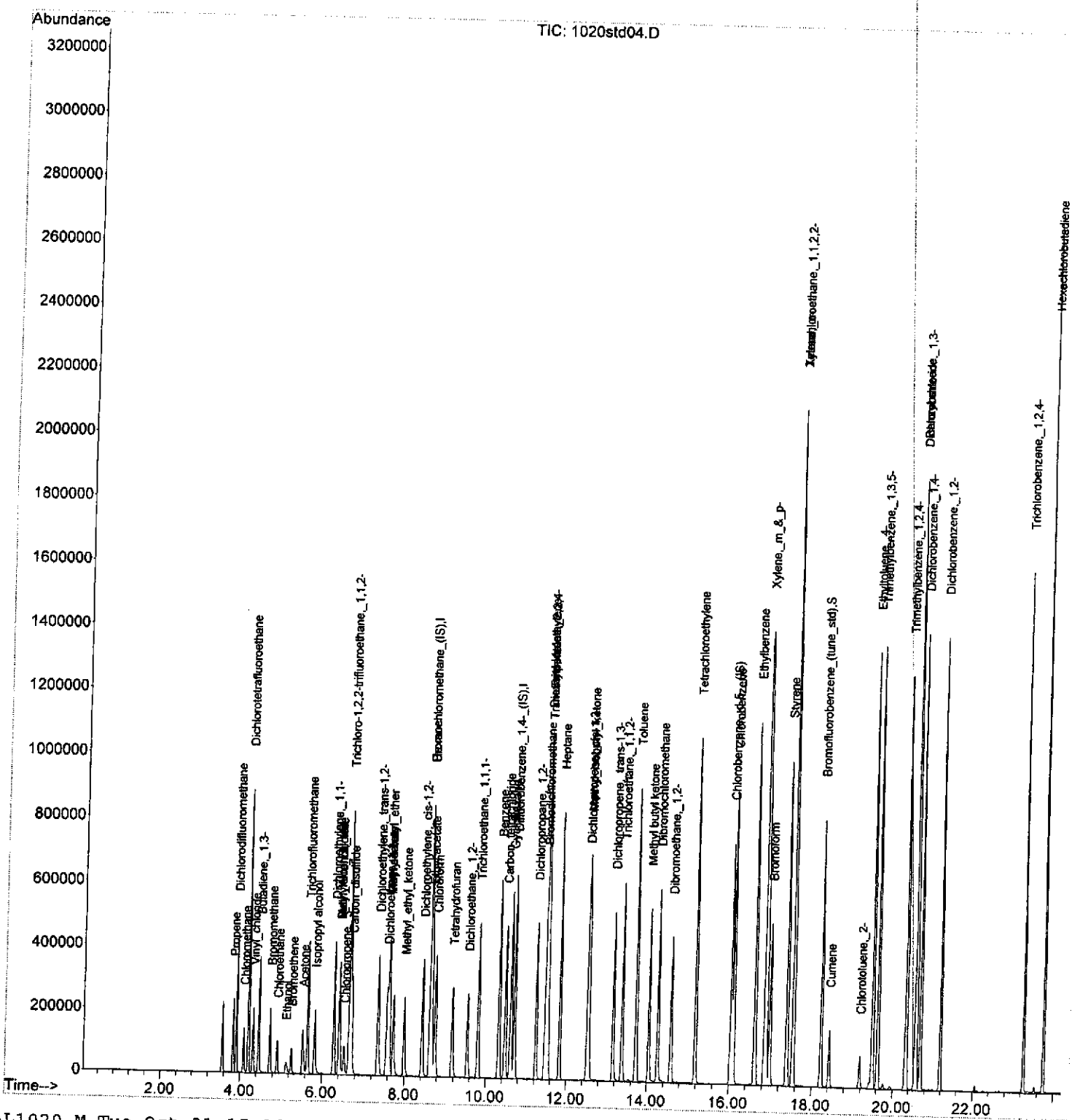
Quant Time: Oct 23 08:47:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	290174	9.56	ppbV		96
48) Toluene	13.72	91	913992	10.94	ppbV		100
49) Methyl butyl ketone	14.04	43	448138	10.85	ppbV	#	93
50) Dibromochloromethane	14.26	129	469716	9.92	ppbV		97
51) Dibromoethane,_1,2-	14.58	107	449714	9.85	ppbV		98
52) Tetrachloroethylene	15.18	166	463507	9.50	ppbV		94
53) Chlorobenzene	16.09	112	738087	10.61	ppbV		98
54) Ethylbenzene	16.61	91	1133781	11.43	ppbV		100
55) Xylene,_m_&_p-	16.88	91	1842462	11.65	ppbV		98
56) Bromoform	16.98	171	248718	9.12	ppbV	#	78
57) Styrene	17.38	104	764136	11.06	ppbV	#	70
58) Tetrachloroethane,_1,1,2,2	17.53	83	719686	10.76	ppbV		97
59) Xylene,_o-	17.54	91	998484	10.98	ppbV		97
61) Cumene	18.42	105	173266	10.45	ppbV	#	98
62) Chlorotoluene,_2-	19.18	91	84274	10.42	ppbV		98
63) Ethyltoluene,_4-	19.48	105	1226796	11.98	ppbV		99
64) Trimethylbenzene,_1,3,5-	19.61	105	1082722	11.30	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.32	105	1061249	11.41	ppbV		99
66) Benzyl chloride	20.55	91	1015317	11.57	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	789291	10.54	ppbV		97
68) Dichlorobenzene,_1,4-	20.68	146	758898	10.96	ppbV		98
69) Dichlorobenzene,_1,2-	21.18	146	679795	10.95	ppbV		97
70) Trichlorobenzene,_1,2,4-	23.25	180	455098	10.35	ppbV		94
71) Hexachlorobutadiene	23.75	225	449521	10.42	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std04.D
Acq On : 20 Oct 2006 12:55
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 08:47:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 15:10:00 2006 S1

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1020.M
Title : TO-15
Last Update : Mon Oct 23 09:45:27 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1020std05.D 10 =1020std04.D 20 =1020std03.D
30 =1020std02.D 40 =1020std01.D

		Compound	0.5	10	20	30	40	Avg	%RSD
1)	I	Bromochloromethane_(I	ISTD						
2)		Propene	1.082	0.870	0.806	0.724	0.695	0.836	18.45
3)		Dichlorodifluoromet	3.115	2.472	2.187	1.847	1.716	2.268	24.63
4)		Chloromethane	1.263	1.050	0.988	0.892	0.804	0.999	17.49
5)		Dichlorotetrafluoro	3.776	3.191	2.674	2.164	1.878	2.737	28.04
6)		Vinyl_chloride	1.746	1.440	1.376	1.266	1.172	1.400	15.64
7)		Butadiene,_1,3-	1.595	1.306	1.149	1.029	0.969	1.210	20.75
8)		Bromomethane	1.232	1.069	1.016	0.945	0.864	1.025	13.53
9)		Chloroethane	0.827	0.726	0.674	0.621	0.565	0.683	14.73
10)		Ethanol	0.276	0.455	0.421	0.370	0.329	0.371	19.27
11)		Bromoethene	0.491	0.448	0.426	0.389	0.350	0.421	12.86
12)		Acetone	1.674	1.601	1.460	1.249	1.147	1.426	15.78
13)		Trichlorofluorometh	3.072	2.769	2.139	1.798	1.610	2.277	27.48
14)		Isopropyl alcohol	1.866	2.208	2.034	1.849	1.718	1.935	9.80
15)		Dichloroethylene,_1	2.216	1.968	1.827	1.665	1.565	1.848	13.90
16)		Butyl_Alcohol,_tert	0.788	1.005	0.939	0.898	0.865	0.899	9.01
17)		Methylene_chloride	1.733	1.405	1.326	1.241	1.180	1.377	15.73
18)		Chloropropene,_3-	0.226	0.211	0.170	0.133	0.103	0.169	30.65
19)		Trichloro-1,2,2-tri	2.908	2.800	2.783	2.577	2.509	2.715	6.12
20)		Carbon_disulfide	4.286	3.900	3.622	3.238	3.017	3.613	14.05
21)		Dichloroethylene,_t	2.026	1.883	1.785	1.640	1.564	1.780	10.41
22)		Dichloroethane, 1,1	2.742	2.453	2.254	2.053	1.852	2.271	15.23
23)		Methyl-t-butyl_ethe	4.294	3.867	3.505	3.079	2.920	3.533	15.97
24)		Vinyl acetate	0.897	0.771	0.703	0.657	0.680	0.741	13.06
25)		Methyl_ethyl_ketone	2.149	2.486	2.285	2.062	1.872	2.171	10.65
26)		Dichloroethylene,_c	1.968	1.797	1.671	1.572	1.488	1.699	11.15
27)		Hexane	2.455	2.314	2.190	2.024	1.957	2.188	9.35
28)		Ethyl acetate	0.347	0.459	0.448	0.439	0.418	0.423	10.58
29)		Chloroform	2.978	2.708	2.458	2.231	2.052	2.485	14.86
30)	I	Difluorobenzene,_1,4-	ISTD						
31)		Tetrahydrofuran	0.315	0.338	0.343	0.331	0.350	0.336	4.06
32)		Dichloroethane,_1,2	0.410	0.396	0.399	0.373	0.407	0.397	3.69
33)		Trichloroethane,_1,	0.658	0.626	0.637	0.605	0.660	0.637	3.59
34)		Benzene	1.134	1.092	1.043	0.913	0.903	1.017	10.30
35)		Carbon_tetrachlorid	0.583	0.582	0.596	0.567	0.582	0.582	1.79
36)		Cyclohexane	0.551	0.518	0.541	0.523	0.548	0.536	2.77
37)		Dichloropropane,_1,	0.350	0.353	0.375	0.377	0.394	0.370	4.99
38)		Bromodichloromethan	0.694	0.711	0.762	0.725	0.798	0.738	5.64
39)		Dioxane, 1,4-	0.179	0.257	0.308	0.332	0.398	0.295	27.99
40)		Trichloroethylene	0.481	0.529	0.615	0.636	0.726	0.597	16.04
41)		Trimethylpentane,_2	0.677	0.695	0.764	0.735	0.780	0.730	6.00
42)		Heptane	0.609	0.580	0.613	0.573	0.607	0.596	3.14
43)		Dichloropropene,_ci	0.565	0.613	0.636	0.616	0.645	0.615	5.06
44)		Methyl_isobutyl_ket	0.553	0.680	0.698	0.651	0.691	0.655	9.12
45)		Dichloropropene,_tr	0.533	0.593	0.619	0.583	0.614	0.589	5.85
46)		Trichloroethane,_1,	0.382	0.415	0.442	0.449	0.481	0.434	8.64
47)		Chlorobenzene,_d-5__(	ISTD						
48)		Toluene	1.445	1.430	1.343	1.165	1.155	1.308	10.72
49)		Methyl butyl ketone	0.507	0.701	0.706	0.639	0.679	0.646	12.76
50)		Dibromochloromethan	0.667	0.735	0.762	0.751	0.788	0.741	6.14
51)		Dibromoethane,_1,2-	0.643	0.704	0.740	0.721	0.763	0.714	6.37
52)		Tetrachloroethylene	0.671	0.725	0.795	0.793	0.835	0.764	8.51
53)		Chlorobenzene	1.096	1.155	1.138	1.024	1.028	1.088	5.58

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1020.M
Title : TO-15
Last Update : Mon Oct 23 09:45:27 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1020std05.D 10 =1020std04.D 20 =1020std03.D
30 =1020std02.D 40 =1020std01.D

		Compound	0.5	10	20	30	40	Avg	%RSD
54)		Ethylbenzene	1.799	1.774	1.554	1.325	1.312	1.553	15.08
55)		Xylene,_m_&_p-	2.834	2.884	2.493	2.077	2.091	2.476	15.66
56)		Bromoform	0.313	0.389	0.436	0.464	0.532	0.427	19.25
57)		Styrene	1.088	1.196	1.136	0.984	1.005	1.082	8.19
58)		Tetrachloroethane,_	0.879	1.126	1.165	1.018	1.046	1.047	10.60
59)		Xylene,_o-	1.426	1.563	1.503	1.288	1.335	1.423	8.01
60)	S	Bromofluorobenzene_	0.711	0.711	0.704	0.684	0.715	0.705	1.78
61)		Cumene	0.261	0.271	0.259	0.249	0.257	0.260	3.06
62)		Chlorotoluene,_2-	0.122	0.132	0.129	0.124	0.127	0.127	3.14
63)		Ethyltoluene,_4-	1.749	1.920	1.645	1.261	1.441	1.603	16.11
64)		Trimethylbenzene,_1	1.575	1.694	1.512	1.298	1.421	1.500	10.04
65)		Trimethylbenzene,_1	1.503	1.661	1.493	1.289	1.331	1.456	10.25
66)		Benzyl chloride	1.233	1.589	1.499	1.254	1.292	1.373	11.68
67)		Dichlorobenzene,_1,	0.992	1.235	1.283	1.138	1.211	1.172	9.66
68)		Dichlorobenzene,_1,	0.999	1.188	1.162	1.009	1.058	1.083	8.04
69)		Dichlorobenzene,_1,	0.886	1.064	1.045	0.910	0.954	0.972	8.18
70)		Trichlorobenzene,_1	0.569	0.712	0.756	0.674	0.728	0.688	10.60
71)		Hexachlorobutadiene	0.497	0.704	0.766	0.675	0.733	0.675	15.57

(#) = Out of Range

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std05.D
Acq On : 20 Oct 06 14:21
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

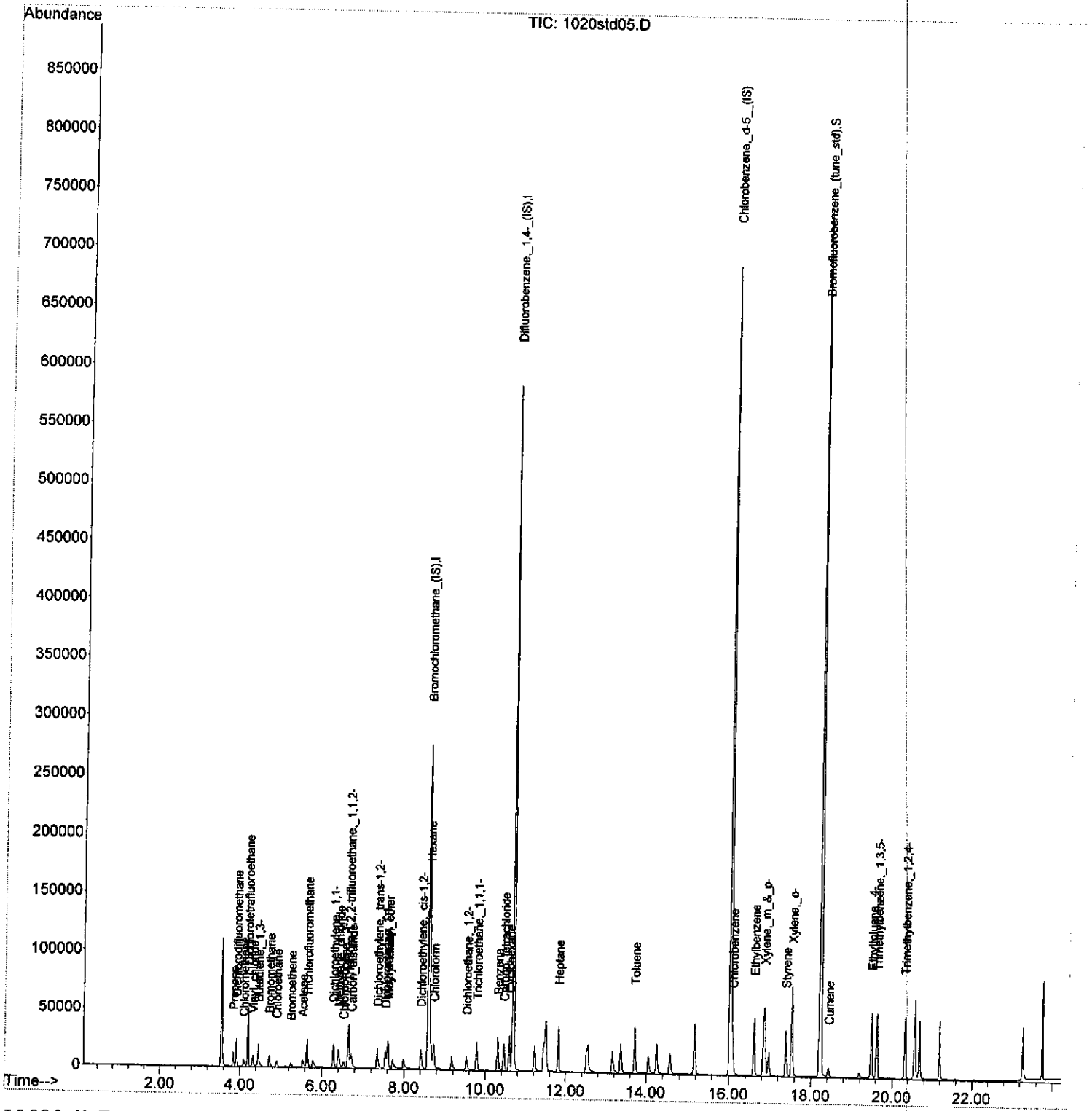
Quant Time: Oct 23 08:36:16 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:32:30 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	134994	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.67	114	640804	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.02	117	579691	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	412181	10.09	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.90%			
Target Compounds						Qvalue
2) Propene	3.84	41	7306	0.65	ppbV	100
3) Dichlorodifluoromethane	3.91	85	21027	0.69	ppbV	100
4) Chloromethane	4.10	50	8527	0.63	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	25489	0.69	ppbV	97
6) Vinyl_chloride	4.32	62	11782	0.62	ppbV	100
7) Butadiene,_1,3-	4.46	54	10768	0.66	ppbV	99
8) Bromomethane	4.73	94	8314	0.60	ppbV	98
9) Chloroethane	4.91	64	5585	0.61	ppbV	100
11) Bromoethene	5.26	106	3313	0.58	ppbV	96
12) Acetone	5.54	43	11298	0.59	ppbV #	99
13) Trichlorofluoromethane	5.65	101	20733	0.67	ppbV	98
15) Dichloroethylene,_1,1-	6.28	61	14959	0.60	ppbV	99
17) Methylene_chloride	6.41	49	11700	0.63	ppbV	100
18) Chloropropene,_3-	6.54	76	1525	0.67	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.65	101	19627	0.54	ppbV	96
20) Carbon_disulfide	6.71	76	28930	0.59	ppbV	100
21) Dichloroethylene,_trans-1,	7.34	61	13674	0.57	ppbV	97
22) Dichloroethane, 1,1-	7.54	63	18506	0.60	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	28981	0.61	ppbV	99
24) Vinyl acetate	7.60	43	6055	0.60	ppbV #	99
26) Dichloroethylene,_cis-1,2-	8.41	61	13282	0.58	ppbV	98
27) Hexane	8.61	57	16571	0.56	ppbV	98
29) Chloroform	8.72	83	20101	0.60	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	13149	0.52	ppbV #	92
33) Trichloroethane,_1,1,1-	9.78	97	21088	0.52	ppbV	98
34) Benzene	10.30	78	36322	0.56	ppbV	99
35) Carbon_tetrachloride	10.45	117	18675	0.50	ppbV	99
36) Cyclohexane	10.59	56	17668	0.51	ppbV	94
42) Heptane	11.82	43	19504	0.51	ppbV	100
48) Toluene	13.71	91	41890	0.55	ppbV	99
53) Chlorobenzene	16.08	112	31769	0.50	ppbV	98
54) Ethylbenzene	16.60	91	52137	0.58	ppbV	99
55) Xylene,_m_&_p-	16.86	91	82132	0.57	ppbV	99
57) Styrene	17.38	104	31529	0.50	ppbV #	70
59) Xylene,_o-	17.53	91	41318	0.50	ppbV	99
61) Cumene	18.42	105	7570	0.50	ppbV #	98
63) Ethyltoluene,_4-	19.47	105	50707	0.55	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	45657	0.53	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.31	105	43565	0.52	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020std05.D
Acq On : 20 Oct 06 14:21
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 08:36:16 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:32:30 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 15:11:03 2006 S1

0164

Response Factor Report DSQ.

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1102.M
Title : TO-15
Last Update : Fri Nov 03 14:32:46 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1102std01.D 10 =1102std02.D 20 =1102std03.D
30 =1102std04.D 40 =1102std05.D

		Compound	0.5	10	20	30	40	Avg	%RSD
1)	I	Bromochloromethane_(I	----------ISTD----------						
2)		Propene	0.950	0.769	0.780	0.696	0.622	0.764	16.01
3)		Dichlorodifluoromet	2.746	2.118	2.171	1.835	1.568	2.088	21.08
4)		Chloromethane	1.089	0.909	0.918	0.822	0.711	0.890	15.63
5)		Dichlorotetrafluoro	3.553	2.692	2.583	2.145	1.769	2.548	26.33
6)		Vinyl_chloride	1.464	1.278	1.294	1.160	1.056	1.250	12.29
7)		Butadiene,_1,3-	1.193	1.126	1.034	0.908	0.808	1.014	15.48
8)		Bromomethane	0.914	0.866	0.864	0.797	0.720	0.832	9.06
9)		Chloroethane	0.713	0.612	0.609	0.546	0.491	0.594	13.98
10)		Ethanol	0.312	0.369	0.377	0.341	0.289	0.338	10.98
11)		Bromoethene	0.455	0.443	0.435	0.393	0.354	0.416	10.00
12)		Acetone	1.339	1.387	1.431	1.230	1.015	1.280	13.01
13)		Trichlorofluorometh	2.903	2.392	2.070	1.654	1.400	2.084	28.58
14)		Isopropyl alcohol	1.614	1.901	1.940	1.732	1.519	1.741	10.39
15)		Dichloroethylene,_1	1.824	1.679	1.733	1.524	1.363	1.625	11.23
16)		Butyl_Alcohol,_tert	0.930	1.022	1.075	0.967	0.903	0.979	7.09
17)		Methylene_chloride	1.361	1.206	1.245	1.136	1.037	1.197	10.11
18)		Chloropropene,_3-	0.192	0.204	0.181	0.137	0.112	0.165	23.56
19)		Trichloro-1,2,2-tri	2.493	2.270	2.413	2.323	2.158	2.331	5.55
20)		Carbon_disulfide	3.281	3.173	3.202	2.901	2.639	3.039	8.74
21)		Dichloroethylene,_t	1.583	1.604	1.642	1.489	1.361	1.536	7.34
22)		Dichloroethane, 1,1	2.070	2.032	2.087	1.890	1.667	1.949	9.02
23)		Methyl-t-butyl_ethe	3.649	3.222	3.259	2.873	2.580	3.117	13.05
24)		Vinyl acetate	0.767	0.671	0.742	0.643	0.571	0.679	11.56
25)		Methyl_ethyl_ketone	2.165	2.106	2.209	1.922	1.663	2.013	11.15
26)		Dichloroethylene,_c	1.716	1.508	1.565	1.427	1.281	1.499	10.76
27)		Hexane	2.054	1.905	1.974	1.814	1.686	1.886	7.57
28)		Ethyl acetate	0.314	0.370	0.386	0.374	0.350	0.359	7.83
29)		Chloroform	2.569	2.250	2.299	2.041	1.813	2.194	12.96
30)	I	Difluorobenzene,_1,4-	----------ISTD----------						
31)		Tetrahydrofuran	0.284	0.286	0.307	0.304	0.298	0.296	3.54
32)		Dichloroethane,_1,2	0.377	0.333	0.369	0.351	0.343	0.355	5.12
33)		Trichloroethane,_1,	0.615	0.519	0.555	0.549	0.547	0.557	6.33
34)		Benzene	1.064	0.894	0.895	0.863	0.816	0.906	10.33
35)		Carbon_tetrachlorid	0.532	0.472	0.512	0.505	0.483	0.501	4.74
36)		Cyclohexane	0.489	0.426	0.453	0.462	0.470	0.460	5.02
37)		Dichloropropane,_1,	0.309	0.292	0.315	0.322	0.338	0.315	5.37
38)		Bromodichloromethan	0.586	0.593	0.661	0.666	0.674	0.636	6.72
39)		Dioxane, 1,4-	0.163	0.210	0.260	0.295	0.329	0.251	26.39
40)		Trichloroethylene	0.444	0.416	0.507	0.568	0.620	0.511	16.57
41)		Trimethylpentane,_2	0.777	0.669	0.766	0.777	0.764	0.751	6.13
42)		Heptane	0.593	0.494	0.551	0.551	0.534	0.544	6.54
43)		Dichloropropene,_ci	0.480	0.499	0.537	0.553	0.551	0.524	6.26
44)		Methyl_isobutyl_ket	0.482	0.587	0.641	0.640	0.617	0.593	11.16
45)		Dichloropropene,_tr	0.489	0.489	0.531	0.530	0.526	0.513	4.32
46)		Trichloroethane,_1,	0.365	0.327	0.357	0.378	0.397	0.365	7.10
47)		Chlorobenzene,_d-5__(	----------ISTD----------						
48)		Toluene	1.273	1.194	1.209	1.129	1.004	1.162	8.76
49)		Methyl butyl ketone	0.432	0.612	0.662	0.642	0.618	0.593	15.51
50)		Dibromochloromethan	0.603	0.599	0.664	0.681	0.695	0.648	6.87
51)		Dibromoethane,_1,2-	0.564	0.570	0.635	0.663	0.676	0.622	8.34
52)		Tetrachloroethylene	0.585	0.580	0.678	0.714	0.734	0.658	10.95
53)		Chlorobenzene	0.983	0.942	0.979	0.973	0.934	0.962	2.37

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1102.M
Title : TO-15
Last Update : Fri Nov 03 14:32:46 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1102std01.D 10 =1102std02.D 20 =1102std03.D
30 =1102std04.D 40 =1102std05.D

		Compound	0.5	10	20	30	40	Avg	%RSD
54)		Ethylbenzene	1.467	1.494	1.451	1.305	1.203	1.384	9.02
55)		Xylene,_m_&_p-	2.410	2.440	2.376	2.101	1.913	2.248	10.27
56)		Bromoform	0.257	0.305	0.352	0.402	0.416	0.346	19.24
57)		Styrene	0.882	0.955	0.998	0.949	0.892	0.935	5.11
58)		Tetrachloroethane,_	0.767	0.889	1.053	0.991	0.936	0.927	11.72
59)		Xylene,_o-	1.241	1.272	1.404	1.277	1.195	1.278	6.09
60)	S	Bromofluorobenzene_	0.631	0.668	0.696	0.688	0.652	0.667	3.98
61)		Cumene	0.374	0.374	0.392	0.383	0.374	0.379	2.16
62)		Chlorotoluene,_2-	0.224	0.220	0.234	0.221	0.213	0.222	3.34
63)		Ethyltoluene,_4-	1.591	1.608	1.582	1.385	1.238	1.481	11.03
64)		Trimethylbenzene,_1	1.405	1.398	1.425	1.272	1.199	1.340	7.41
65)		Trimethylbenzene,_1	1.343	1.353	1.391	1.259	1.182	1.306	6.46
66)		Benzyl chloride	1.036	1.282	1.385	0.564	1.137	1.081	29.45
67)		Dichlorobenzene,_1,	0.896	0.950	1.124	1.069	1.058	1.020	9.19
68)		Dichlorobenzene,_1,	0.882	0.930	1.038	0.972	0.932	0.951	6.12
69)		Dichlorobenzene,_1,	0.762	0.824	0.923	0.864	0.831	0.841	7.03
70)		Trichlorobenzene,_1	0.485	0.478	0.573	0.566	0.561	0.533	8.77
71)		Hexachlorobutadiene	0.394	0.378	0.502	0.212	0.230	0.343	35.37

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std01.D
Acq On : 02 Nov 06 13:47
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:03:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:00:09 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	143174	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	622910	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	579259	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	365334	9.44	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 94.40%			
Target Compounds						Qvalue
2) Propene	3.85	41	6803	0.62	ppbV	100
3) Dichlorodifluoromethane	3.93	85	19657	0.65	ppbV	100
4) Chloromethane	4.10	50	7795	0.60	ppbV	100
5) Dichlorotetrafluoroethane	4.21	85	25433	0.66	ppbV	100
6) Vinyl_chloride	4.33	62	10481	0.57	ppbV	100
7) Butadiene,_1,3-	4.47	54	8538	0.53	ppbV	97
8) Bromomethane	4.75	94	6542	0.53	ppbV	100
9) Chloroethane	4.92	64	5104	0.58	ppbV	99
10) Ethanol	5.12	45	2234m	0.42	ppbV	
11) Bromoethene	5.27	106	3257	0.51	ppbV	99
12) Acetone	5.55	43	9588	0.48	ppbV	99
13) Trichlorofluoromethane	5.66	101	20782	0.61	ppbV	100
14) Isopropyl alcohol	5.80	45	11555m	0.42	ppbV	
15) Dichloroethylene,_1,1-	6.29	61	13060	0.54	ppbV	99
16) Butyl_Alcohol,_tert	6.40	59	6660m	0.46	ppbV	
17) Methylene_chloride	6.42	49	9741	0.56	ppbV	98
18) Chloropropene,_3-	6.54	76	1372	0.47	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.65	101	17847	0.55	ppbV	100
20) Carbon_disulfide	6.72	76	23489	0.52	ppbV #	100
21) Dichloroethylene,_trans-1,	7.35	61	11331	0.49	ppbV	99
22) Dichloroethane, 1,1-	7.55	63	14818	0.51	ppbV	100
23) Methyl-t-butyl_ether	7.61	73	26122	0.57	ppbV	100
24) Vinyl acetate	7.61	43	5493	0.57	ppbV #	100
25) Methyl_ethyl_ketone	8.00	43	15496m	0.51	ppbV	
26) Dichloroethylene,_cis-1,2-	8.41	61	12284	0.57	ppbV	100
27) Hexane	8.62	57	14704	0.54	ppbV	97
28) Ethyl acetate	8.67	61	2249m	0.42	ppbV	
29) Chloroform	8.72	83	18392	0.57	ppbV	100
31) Tetrahydrofuran	9.17	42	8836	0.50	ppbV	100
32) Dichloroethane,_1,2-	9.53	62	11740	0.57	ppbV #	100
33) Trichloroethane,_1,1,1-	9.78	97	19155	0.59	ppbV	100
34) Benzene	10.30	78	33137	0.59	ppbV	100
35) Carbon_tetrachloride	10.45	117	16564	0.56	ppbV	100
36) Cyclohexane	10.59	56	15242	0.57	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	9628	0.53	ppbV #	100
38) Bromodichloromethane	11.44	83	18250	0.49	ppbV	100
39) Dioxane, 1,4-	11.49	88	5068m	0.39	ppbV	
40) Trichloroethylene	11.49	130	13839	0.53	ppbV	98
41) Trimethylpentane,_2,2,4-	11.52	57	24213	0.58	ppbV	100
42) Heptane	11.82	43	18460	0.60	ppbV	100
43) Dichloropropene,_cis-1,3-	12.52	75	14946	0.48	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	15003	0.41	ppbV	99
45) Dichloropropene,_trans-1,3	13.15	75	15218	0.50	ppbV #	100

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std01.D
Acq On : 02 Nov 06 13:47
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:03:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:00:09 2006
Response via : Initial Calibration

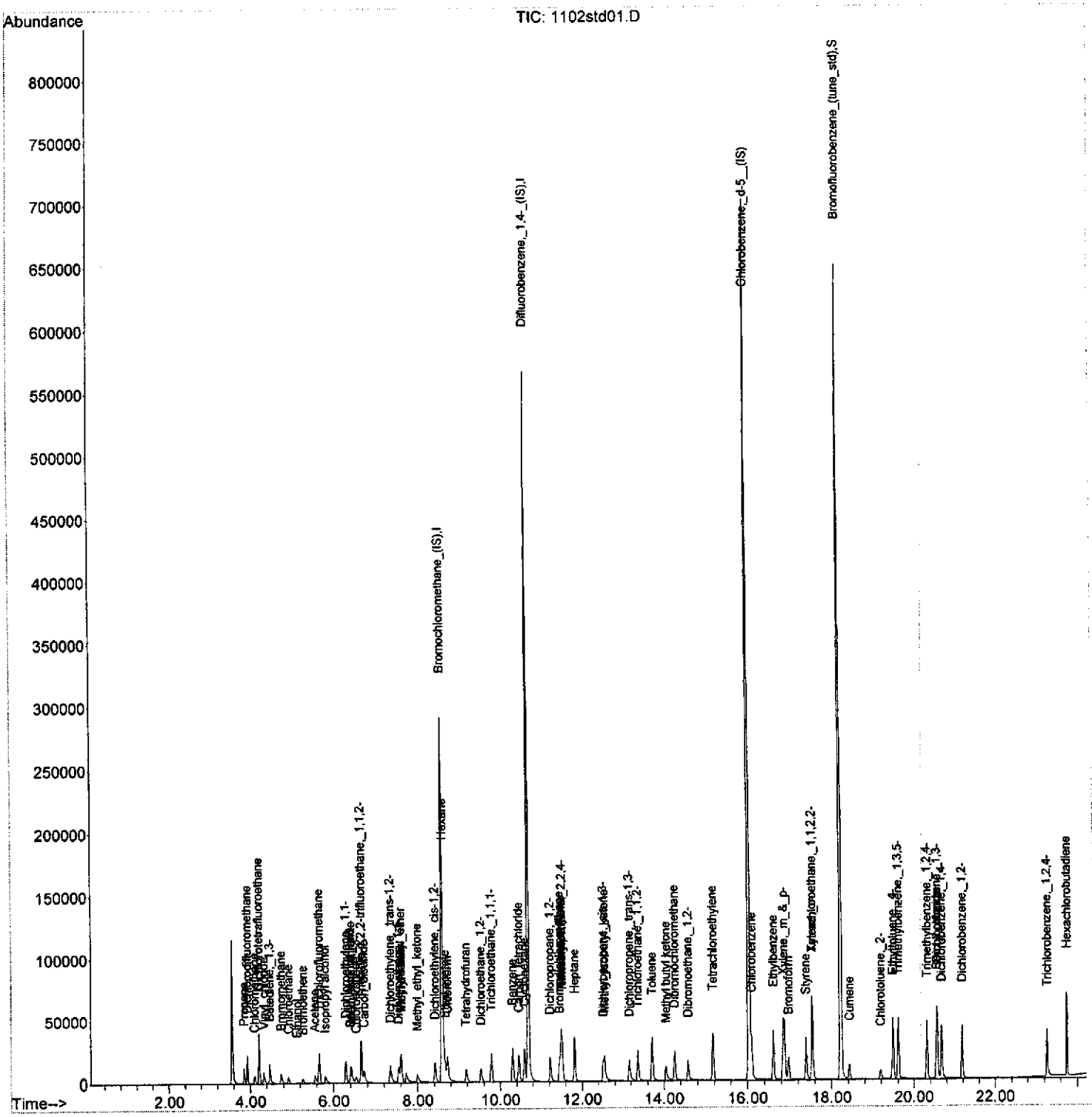
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	11368	0.56	ppbV		98
48) Toluene	13.71	91	36863	0.53	ppbV		100
49) Methyl butyl ketone	14.05	43	12525m	0.35	ppbV		
50) Dibromochloromethane	14.25	129	17458	0.50	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	16348	0.50	ppbV		99
52) Tetrachloroethylene	15.17	166	16943	0.50	ppbV		100
53) Chlorobenzene	16.09	112	28479	0.52	ppbV		99
54) Ethylbenzene	16.61	91	42493	0.49	ppbV		99
55) Xylene,_m_&_p-	16.85	91	69798	0.49	ppbV		100
56) Bromoform	16.97	171	7446	0.42	ppbV	#	94
57) Styrene	17.38	104	25555	0.46	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	22206	0.43	ppbV		100
59) Xylene,_o-	17.54	91	35931	0.49	ppbV		100
61) Cumene	18.42	105	10846	0.50	ppbV		100
62) Chlorotoluene,_2-	19.18	91	6481	0.51	ppbV		99
63) Ethyltoluene,_4-	19.48	105	46069	0.49	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.60	105	40705	0.50	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.31	105	38893	0.50	ppbV		99
66) Benzyl chloride	20.54	91	30016	0.40	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	25946	0.47	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	25547	0.47	ppbV		99
69) Dichlorobenzene,_1,2-	21.18	146	22068	0.46	ppbV		99
70) Trichlorobenzene,_1,2,4-	23.26	180	14055	0.51	ppbV		98
71) Hexachlorobutadiene	23.74	225	11425	0.41	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std01.D
Acq On : 02 Nov 06 13:47
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:03:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:00:09 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std02.D
Acq On : 02 Nov 06 15:24
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:55:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:55:31 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	134873	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	602196	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	547707	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	365883	10.02	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.20%			
Target Compounds						Qvalue
2) Propene	3.82	41	103737	10.07	ppbV	100
3) Dichlorodifluoromethane	3.90	85	285659	10.15	ppbV	100
4) Chloromethane	4.08	50	122564	10.21	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	363021	10.56	ppbV	99
6) Vinyl_chloride	4.31	62	172350	10.22	ppbV	100
7) Butadiene,_1,3-	4.45	54	151931	11.11	ppbV	97
8) Bromomethane	4.73	94	116764	10.40	ppbV	99
9) Chloroethane	4.91	64	82606	10.31	ppbV	100
10) Ethanol	5.13	45	49703	10.92	ppbV	99
11) Bromoethene	5.25	106	59764	10.65	ppbV	100
12) Acetone	5.53	43	187089	10.83	ppbV	99
13) Trichlorofluoromethane	5.65	101	322650	11.48	ppbV	100
14) Isopropyl alcohol	5.83	45	256330	10.92	ppbV	100
15) Dichloroethylene,_1,1-	6.28	61	226450	10.33	ppbV	98
16) Butyl_Alcohol,_tert	6.41	59	137805	10.43	ppbV	100
17) Methylene_chloride	6.41	49	162722	10.08	ppbV	98
18) Chloropropene,_3-	6.53	76	27459	12.34	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.66	101	306123	9.74	ppbV	99
20) Carbon_disulfide	6.71	76	427932	10.44	ppbV #	100
21) Dichloroethylene,_trans-1,	7.35	61	216334	10.44	ppbV	98
22) Dichloroethane, 1,1-	7.57	63	274043	10.42	ppbV	100
23) Methyl-t-butyl_ether	7.62	73	434547	10.34	ppbV	100
24) Vinyl acetate	7.62	43	90516	9.88	ppbV #	100
25) Methyl_ethyl_ketone	7.99	43	284106	10.46	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.43	61	203423	10.06	ppbV	98
27) Hexane	8.63	57	256904	10.10	ppbV	97
28) Ethyl acetate	8.66	61	49888	10.31	ppbV	99
29) Chloroform	8.75	83	303437	10.25	ppbV	100
31) Tetrahydrofuran	9.16	42	172317	9.67	ppbV	99
32) Dichloroethane,_1,2-	9.54	62	200680	9.40	ppbV #	100
33) Trichloroethane,_1,1,1-	9.81	97	312465	9.31	ppbV	100
34) Benzene	10.32	78	538444	9.86	ppbV	100
35) Carbon_tetrachloride	10.47	117	284245	9.43	ppbV	100
36) Cyclohexane	10.61	56	256771	9.27	ppbV	99
37) Dichloropropane,_1,2-	11.24	63	175670	9.25	ppbV #	100
38) Bromodichloromethane	11.46	83	357338	9.33	ppbV	99
39) Dioxane, 1,4-	11.49	88	126200	8.35	ppbV	98
40) Trichloroethylene	11.51	130	250356	8.14	ppbV	100
41) Trimethylpentane,_2,2,4-	11.53	57	402899	8.91	ppbV	100
42) Heptane	11.83	43	297359	9.07	ppbV	99
43) Dichloropropene,_cis-1,3-	12.52	75	300403	9.52	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	353496	9.89	ppbV	99
45) Dichloropropene,_trans-1,3	13.15	75	294727	9.54	ppbV #	100

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std02.D
Acq On : 02 Nov 06 15:24
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:55:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:55:31 2006
Response via : Initial Calibration

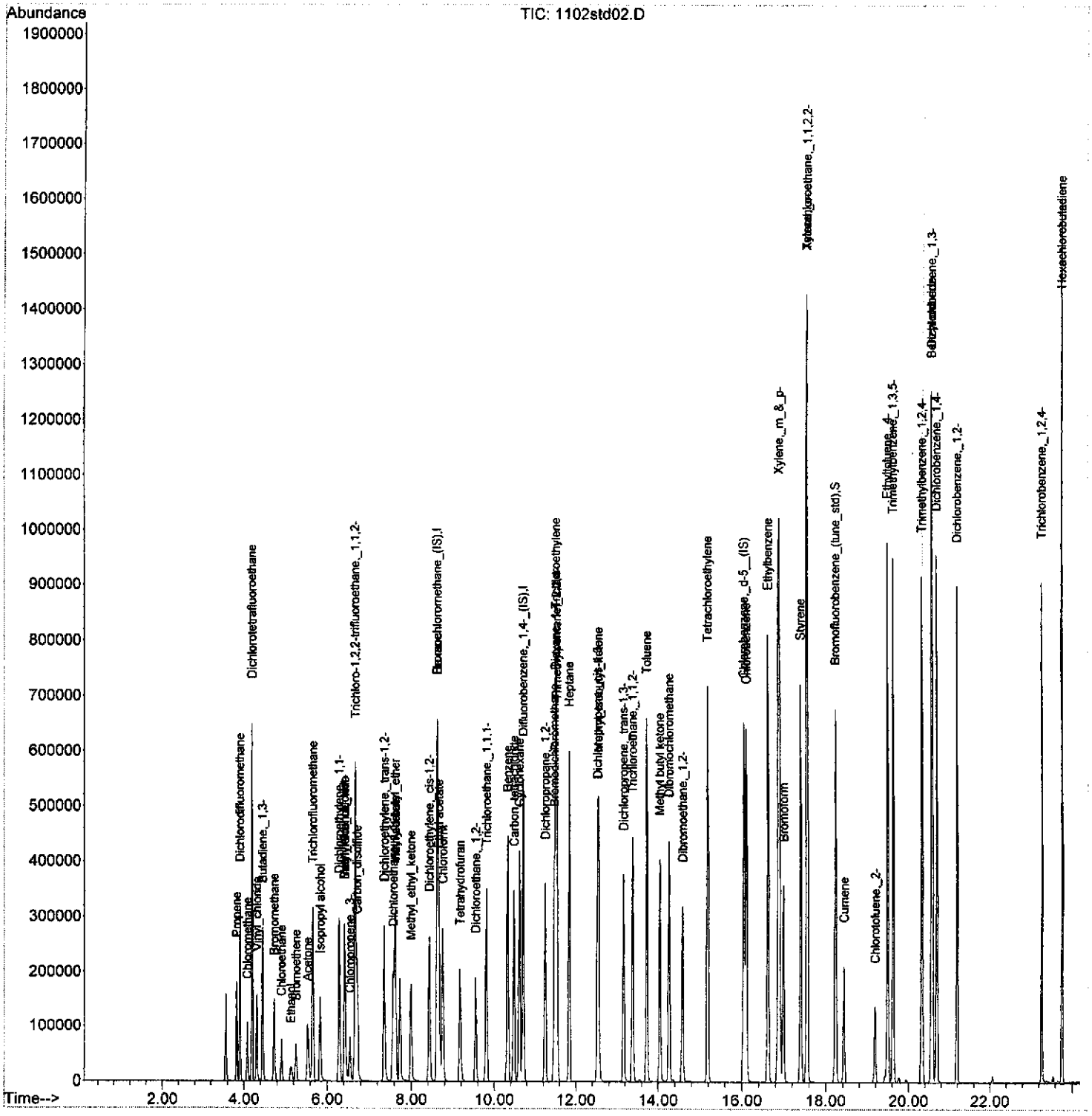
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	197158	8.97	ppbV		99
48) Toluene	13.72	91	654152	10.28	ppbV		100
49) Methyl butyl ketone	14.03	43	335287	10.32	ppbV		99
50) Dibromochloromethane	14.26	129	328166	9.24	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	312241	9.17	ppbV		100
52) Tetrachloroethylene	15.18	166	317528	8.81	ppbV		100
53) Chlorobenzene	16.09	112	515676	9.78	ppbV		99
54) Ethylbenzene	16.61	91	818230	10.79	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1336619	10.86	ppbV		100
56) Bromoform	16.98	171	166831	8.79	ppbV	#	89
57) Styrene	17.39	104	523135	10.21	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	486714	9.59	ppbV		100
59) Xylene,_o-	17.54	91	696774	9.95	ppbV		100
61) Cumene	18.42	105	204593	9.85	ppbV		100
62) Chlorotoluene,_2-	19.17	91	120546	9.90	ppbV		99
63) Ethyltoluene,_4-	19.48	105	880603	10.86	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	765690	10.43	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.31	105	740951	10.36	ppbV		100
66) Benzyl chloride	20.55	91	702144	11.86	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	520143	9.32	ppbV		100
68) Dichlorobenzene,_1,4-	20.68	146	509407	9.78	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	451559	9.80	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	261975	8.98	ppbV		100
71) Hexachlorobutadiene	23.75	225	253790	13.50	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std02.D
Acq On : 02 Nov 06 15:24
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:55:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:55:31 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std03.D
Acq On : 02 Nov 2006 11:36
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 14:31:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:31:15 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	150879	10.00	ppbV		0.01
30) Difluorobenzene,_1,4-_(IS)	10.71	114	645555	10.00	ppbV		0.01
47) Chlorobenzene,_d-5__(IS)	16.04	117	588436	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.23	95	409681	10.42	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.20%				
Target Compounds							Qvalue
2) Propene	3.81	41	235365	20.28	ppbV		100
3) Dichlorodifluoromethane	3.90	85	655009	20.50	ppbV		99
4) Chloromethane	4.08	50	276954	20.20	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	779445	19.19	ppbV		99
6) Vinyl_chloride	4.31	62	390614	20.26	ppbV		100
7) Butadiene,_1,3-	4.46	54	311983	18.36	ppbV		100
8) Bromomethane	4.73	94	260853	19.97	ppbV		100
9) Chloroethane	4.91	64	183634	19.87	ppbV		100
10) Ethanol	5.15	45	113731	20.45	ppbV		100
11) Bromoethene	5.26	106	131132	19.61	ppbV		99
12) Acetone	5.55	43	431920	20.64	ppbV	#	100
13) Trichlorofluoromethane	5.66	101	624688	17.31	ppbV		100
14) Isopropyl alcohol	5.85	45	585468	20.42	ppbV		100
15) Dichloroethylene,_1,1-	6.30	61	522902	20.64	ppbV		100
16) Butyl_Alcohol,_tert	6.43	59	324310	21.04	ppbV		100
17) Methylene_chloride	6.42	49	375543	20.63	ppbV		99
18) Chloropropene,_3-	6.55	76	54627	17.78	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.67	101	728237	21.27	ppbV		99
20) Carbon_disulfide	6.72	76	966196	20.18	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.36	61	495430	20.47	ppbV		99
22) Dichloroethane, 1,1-	7.59	63	629737	20.54	ppbV		100
23) Methyl-t-butyl_ether	7.63	73	983480	20.23	ppbV		100
24) Vinyl acetate	7.63	43	223903	22.11	ppbV	#	100
25) Methyl_ethyl_ketone	8.01	43	666734	20.98	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.45	61	472185	20.75	ppbV		100
27) Hexane	8.64	57	595569	20.72	ppbV		99
28) Ethyl acetate	8.68	61	116520	20.88	ppbV		100
29) Chloroform	8.76	83	693763	20.44	ppbV		99
31) Tetrahydrofuran	9.18	42	396149	21.45	ppbV		100
32) Dichloroethane,_1,2-	9.56	62	476483	22.15	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.82	97	716808	21.40	ppbV		100
34) Benzene	10.33	78	1155219	20.01	ppbV		99
35) Carbon_tetrachloride	10.49	117	660603	21.68	ppbV		100
36) Cyclohexane	10.63	56	585497	21.27	ppbV		99
37) Dichloropropane,_1,2-	11.25	63	407179	21.62	ppbV	#	100
38) Bromodichloromethane	11.47	83	854021	22.29	ppbV		100
39) Dioxane, 1,4-	11.51	88	335166	24.77	ppbV		98
40) Trichloroethylene	11.52	130	654194	24.38	ppbV		99
41) Trimethylpentane,_2,2,4-	11.54	57	988879	22.90	ppbV		100
42) Heptane	11.85	43	710979	22.30	ppbV		99
43) Dichloropropene,_cis-1,3-	12.53	75	692938	21.52	ppbV		100
44) Methyl_isobutyl_ketone	12.56	43	827393	21.83	ppbV		99
45) Dichloropropene,_trans-1,3	13.16	75	686097	21.72	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std03.D
Acq On : 02 Nov 2006 11:36
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 14:31:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:31:15 2006
Response via : Initial Calibration

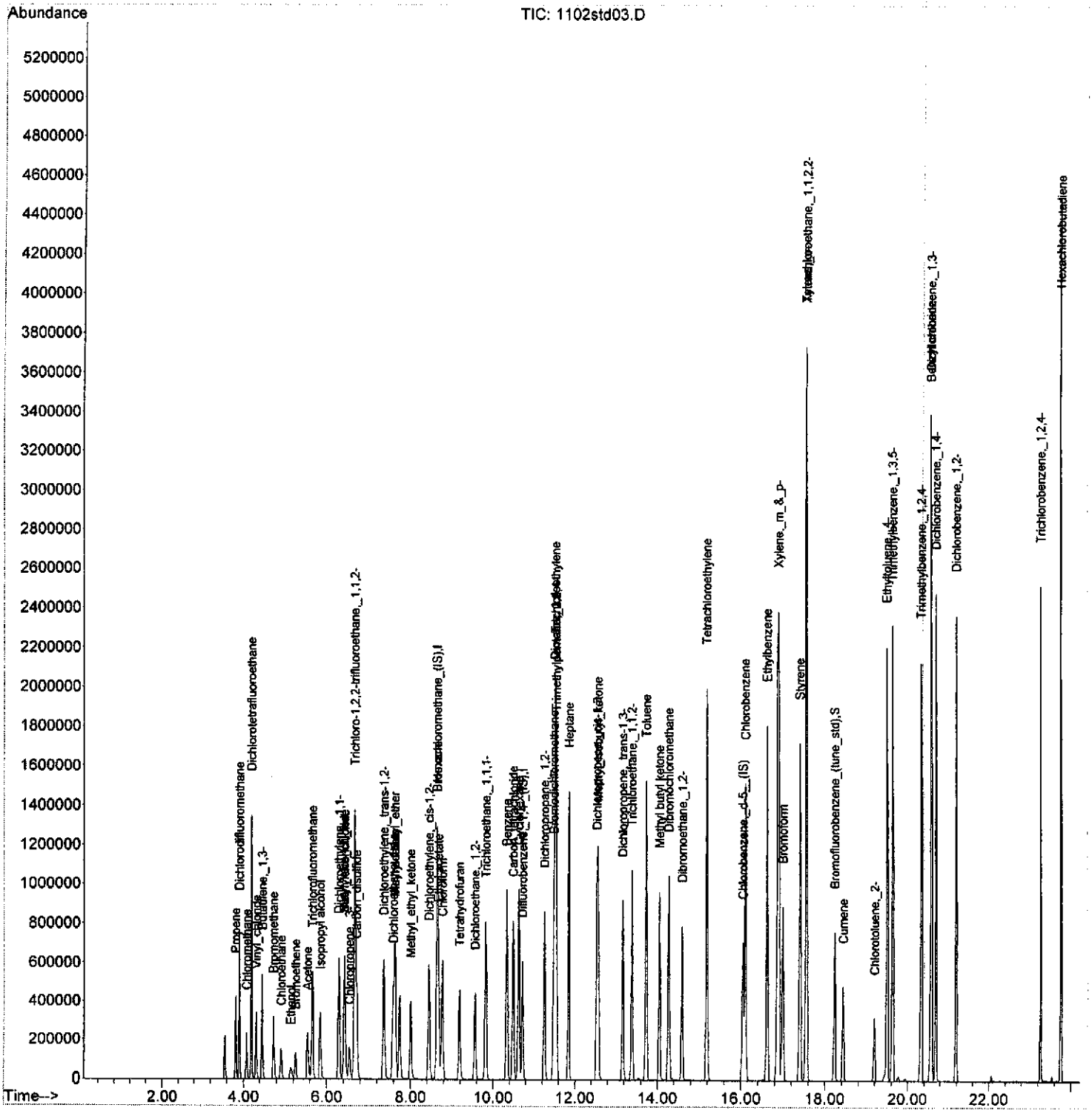
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	461206	21.82	ppbV		100
48) Toluene	13.73	91	1422398	20.24	ppbV		99
49) Methyl butyl ketone	14.05	43	778598	21.61	ppbV		99
50) Dibromochloromethane	14.27	129	781069	22.15	ppbV		100
51) Dibromoethane,_1,2-	14.59	107	747769	22.29	ppbV		99
52) Tetrachloroethylene	15.19	166	797691	23.38	ppbV		100
53) Chlorobenzene	16.10	112	1152685	20.81	ppbV		100
54) Ethylbenzene	16.62	91	1707065	19.42	ppbV		98
55) Xylene,_m_&_p-	16.89	91	2795978	19.47	ppbV		97
56) Bromoform	16.99	171	414266	23.11	ppbV	#	78
57) Styrene	17.40	104	1174324	20.89	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.55	83	1239098	23.70	ppbV		98
59) Xylene,_o-	17.55	91	1652893	22.08	ppbV		97
61) Cumene	18.43	105	461678	21.00	ppbV		100
62) Chlorotoluene,_2-	19.18	91	274887	21.23	ppbV		100
63) Ethyltoluene,_4-	19.49	105	1861961	19.68	ppbV		98
64) Trimethylbenzene,_1,3,5-	19.63	105	1676718	20.38	ppbV		97
65) Trimethylbenzene,_1,2,4-	20.32	105	1637426	20.57	ppbV		98
66) Benzyl chloride	20.56	91	1629708	21.60	ppbV	#	98
67) Dichlorobenzene,_1,3-	20.57	146	1322890	23.67	ppbV		98
68) Dichlorobenzene,_1,4-	20.69	146	1221603	22.32	ppbV		99
69) Dichlorobenzene,_1,2-	21.18	146	1086732	22.40	ppbV		98
70) Trichlorobenzene,_1,2,4-	23.26	180	674396	23.96	ppbV		100
71) Hexachlorobutadiene	23.75	225	590618	26.55	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std03.D
Acq On : 02 Nov 2006 11:36
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 03 14:31:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:31:15 2006
Response via : Initial Calibration



0175

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std04.D
Acq On : 02 Nov 2006 12:15
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 14:06:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:06:24 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.65	130	170209	10.00	ppbV		0.03
30) Difluorobenzene,_1,4-_(IS)	10.72	114	656479	10.00	ppbV		0.02
47) Chlorobenzene,_d-5__(IS)	16.04	117	602074	10.00	ppbV		0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	414078	10.34	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 103.40%				
Target Compounds							Qvalue
2) Propene	3.82	41	355469	25.07	ppbV		100
3) Dichlorodifluoromethane	3.91	85	936958	23.48	ppbV		99
4) Chloromethane	4.09	50	419611	25.37	ppbV		100
5) Dichlorotetrafluoroethane	4.21	85	1095086	21.87	ppbV		97
6) Vinyl_chloride	4.32	62	592273	25.86	ppbV		100
7) Butadiene,_1,3-	4.47	54	463817	24.38	ppbV		98
8) Bromomethane	4.74	94	406941	27.13	ppbV		100
9) Chloroethane	4.93	64	279050	25.43	ppbV		100
10) Ethanol	5.17	45	174190	29.02	ppbV		100
11) Bromoethene	5.27	106	200717	26.55	ppbV		99
12) Acetone	5.56	43	627922	26.62	ppbV	#	84
13) Trichlorofluoromethane	5.68	101	844691	20.21	ppbV		100
14) Isopropyl alcohol	5.87	45	884213	28.56	ppbV		100
15) Dichloroethylene,_1,1-	6.32	61	778185	26.19	ppbV		98
16) Butyl_Alcohol,_tert	6.45	59	493725	28.73	ppbV		100
17) Methylene_chloride	6.44	49	580138	26.83	ppbV		98
18) Chloropropene,_3-	6.56	76	69804	21.33	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.69	101	1186217	29.14	ppbV		97
20) Carbon_disulfide	6.73	76	1481324	27.04	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.38	61	760447	27.76	ppbV		98
22) Dichloroethane, 1,1-	7.60	63	965120	27.49	ppbV		100
23) Methyl-t-butyl_ether	7.64	73	1467098	25.53	ppbV		99
24) Vinyl acetate	7.64	43	328507	26.55	ppbV	#	100
25) Methyl_ethyl_ketone	8.02	43	981201	26.69	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.46	61	728725	26.82	ppbV		98
27) Hexane	8.65	57	926202	27.52	ppbV		98
28) Ethyl acetate	8.69	61	190954	31.39	ppbV		99
29) Chloroform	8.78	83	1042430	25.81	ppbV		100
31) Tetrahydrofuran	9.19	42	599260	31.24	ppbV		99
32) Dichloroethane,_1,2-	9.57	62	690563	29.23	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.83	97	1082031	29.27	ppbV		100
34) Benzene	10.34	78	1699955	27.23	ppbV		98
35) Carbon_tetrachloride	10.49	117	993722	29.96	ppbV		99
36) Cyclohexane	10.63	56	909164	30.34	ppbV		99
37) Dichloropropane,_1,2-	11.26	63	634273	31.64	ppbV	#	100
38) Bromodichloromethane	11.48	83	1311191	32.55	ppbV		99
39) Dioxane, 1,4-	11.52	88	580808	42.00	ppbV		97
40) Trichloroethylene	11.53	130	1118884	37.41	ppbV		99
41) Trimethylpentane,_2,2,4-	11.54	57	1530179	31.61	ppbV		98
42) Heptane	11.85	43	1084521	30.27	ppbV		97
43) Dichloropropene,_cis-1,3-	12.53	75	1088361	32.82	ppbV		100
44) Methyl_isobutyl_ketone	12.57	43	1261195	33.71	ppbV		98
45) Dichloropropene,_trans-1,3	13.17	75	1044433	31.60	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std04.D
Acq On : 02 Nov 2006 12:15
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 14:06:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:06:24 2006
Response via : Initial Calibration

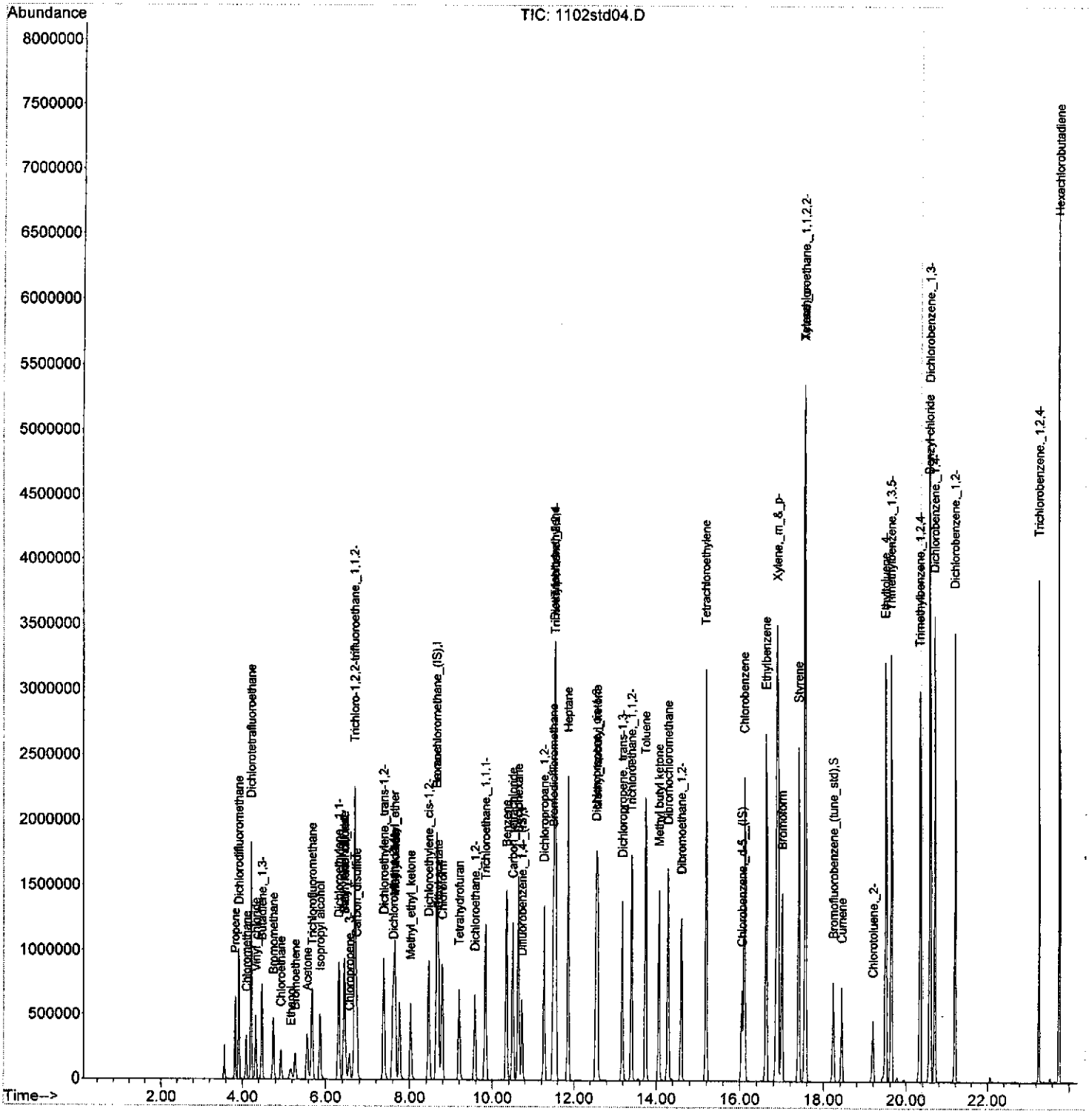
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	744154	32.40	ppbV		100
48) Toluene	13.73	91	2038539	27.63	ppbV		98
49) Methyl butyl ketone	14.05	43	1159970	33.88	ppbV		97
50) Dibromochloromethane	14.28	129	1229274	32.83	ppbV		99
51) Dibromoethane,_1,2-	14.60	107	1197392	33.71	ppbV		100
52) Tetrachloroethylene	15.19	166	1289951	34.88	ppbV		99
53) Chlorobenzene	16.10	112	1758301	30.17	ppbV		99
54) Ethylbenzene	16.62	91	2357812	26.63	ppbV	#	96
55) Xylene,_m_&_p-	16.90	91	3795495	26.17	ppbV	#	94
56) Bromoform	17.00	171	726755	39.63	ppbV	#	74
57) Styrene	17.40	104	1713493	30.11	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.55	83	1790133	32.94	ppbV		96
59) Xylene,_o-	17.56	91	2307135	29.35	ppbV		95
61) Cumene	18.43	105	691563	30.22	ppbV		100
62) Chlorotoluene,_2-	19.18	91	399997	29.42	ppbV		99
63) Ethyltoluene,_4-	19.49	105	2502377	26.08	ppbV	#	95
64) Trimethylbenzene,_1,3,5-	19.63	105	2298006	27.08	ppbV		95
65) Trimethylbenzene,_1,2,4-	20.33	105	2273635	27.72	ppbV		96
66) Benzyl chloride	20.55	91	1018560	13.71	ppbV	#	91
67) Dichlorobenzene,_1,3-	20.58	146	1931740	32.41	ppbV		97
68) Dichlorobenzene,_1,4-	20.69	146	1756232	30.70	ppbV		97
69) Dichlorobenzene,_1,2-	21.18	146	1560817	30.99	ppbV		97
70) Trichlorobenzene,_1,2,4-	23.26	180	1022433	33.15	ppbV		100
71) Hexachlorobutadiene	23.76	225	382722m	12.63	ppbV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std04.D
Acq On : 02 Nov 2006 12:15
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 14:06:53 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:06:24 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std05.D
Acq On : 02 Nov 06 14:31
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:18:58 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:07:08 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.65	130	176047	10.00	ppbV		0.03
30) Difluorobenzene,_1,4-_(IS)	10.72	114	616124	10.00	ppbV		0.02
47) Chlorobenzene,_d-5__(IS)	16.05	117	565557	10.00	ppbV		0.02
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.23	95	368931	9.73	ppbV		0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 97.30%				
Target Compounds							Qvalue
2) Propene	3.81	41	437959	31.14	ppbV		100
3) Dichlorodifluoromethane	3.90	85	1104400	28.29	ppbV		98
4) Chloromethane	4.08	50	500742	30.44	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	1245764	25.80	ppbV		97
6) Vinyl_chloride	4.31	62	743525	32.51	ppbV		100
7) Butadiene,_1,3-	4.46	54	569146	30.35	ppbV		98
8) Bromomethane	4.74	94	506820	33.47	ppbV		100
9) Chloroethane	4.93	64	345673	31.66	ppbV		100
10) Ethanol	5.16	45	203700	33.08	ppbV		100
11) Bromoethene	5.26	106	249564	32.86	ppbV		100
12) Acetone	5.56	43	714405	30.13	ppbV	#	99
13) Trichlorofluoromethane	5.67	101	985910	24.84	ppbV		100
14) Isopropyl alcohol	5.88	45	1069384	33.80	ppbV		100
15) Dichloroethylene,_1,1-	6.31	61	959738	32.26	ppbV		96
16) Butyl_Alcohol,_tert	6.45	59	635749	36.15	ppbV		100
17) Methylene_chloride	6.44	49	730013	33.52	ppbV		97
18) Chloropropene,_3-	6.56	76	78986	25.16	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.69	101	1519478	36.34	ppbV		96
20) Carbon_disulfide	6.73	76	1858512	33.63	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.38	61	958466	34.47	ppbV		96
22) Dichloroethane, 1,1-	7.60	63	1173836	33.01	ppbV		100
23) Methyl-t-butyl_ether	7.64	73	1817091	31.75	ppbV		99
24) Vinyl acetate	7.64	43	402420	32.38	ppbV	#	100
25) Methyl_ethyl_ketone	8.02	43	1170820	31.66	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.46	61	902068	32.97	ppbV		97
27) Hexane	8.65	57	1187211	34.82	ppbV		98
28) Ethyl acetate	8.70	61	246770	38.77	ppbV		97
29) Chloroform	8.78	83	1276458	31.66	ppbV		100
31) Tetrahydrofuran	9.19	42	734466	40.38	ppbV		98
32) Dichloroethane,_1,2-	9.57	62	845024	38.36	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.83	97	1348022	39.10	ppbV		99
34) Benzene	10.34	78	2012256	35.16	ppbV	#	90
35) Carbon_tetrachloride	10.50	117	1189516	38.23	ppbV		100
36) Cyclohexane	10.63	56	1157951	41.06	ppbV		98
37) Dichloropropane,_1,2-	11.26	63	832502	43.65	ppbV	#	100
38) Bromodichloromethane	11.49	83	1661597	43.04	ppbV		98
39) Dioxane, 1,4-	11.52	88	810328	56.76	ppbV		95
40) Trichloroethylene	11.53	130	1528094	51.27	ppbV		100
41) Trimethylpentane,_2,2,4-	11.55	57	1881733	40.87	ppbV		97
42) Heptane	11.85	43	1317109	39.08	ppbV		96
43) Dichloropropene,_cis-1,3-	12.54	75	1358737	42.65	ppbV		99
44) Methyl_isobutyl_ketone	12.58	43	1521374	42.03	ppbV		96
45) Dichloropropene,_trans-1,3	13.18	75	1297292	41.27	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std05.D
Acq On : 02 Nov 06 14:31
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:18:58 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:07:08 2006
Response via : Initial Calibration

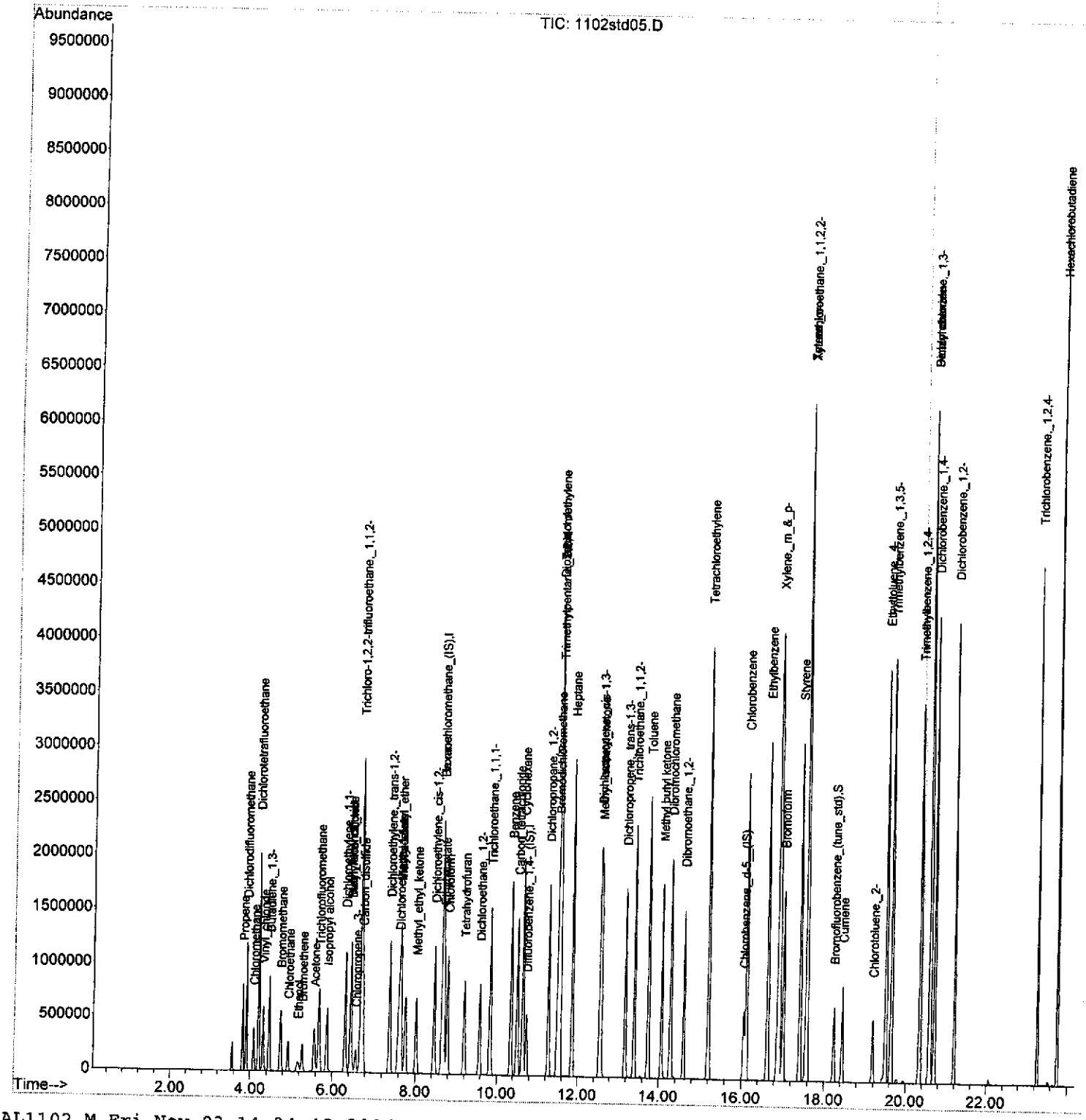
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.40	97	979256	44.54	ppbV		99
48) Toluene	13.74	91	2272061m	33.45	ppbV		
49) Methyl butyl ketone	14.07	43	1397824	42.10	ppbV		96
50) Dibromochloromethane	14.28	129	1571802	43.66	ppbV		98
51) Dibromoethane,_1,2-	14.61	107	1528567	44.44	ppbV		99
52) Tetrachloroethylene	15.19	166	1660466	45.93	ppbV		98
53) Chlorobenzene	16.11	112	2113639	38.55	ppbV		99
54) Ethylbenzene	16.63	91	2721626	33.67	ppbV	#	84
55) Xylene,_m_&_p-	16.91	91	4327584	32.81	ppbV	#	93
56) Bromoform	17.01	171	941949	50.62	ppbV	#	87
57) Styrene	17.40	104	2018605	37.73	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.56	83	2116533	40.47	ppbV		95
59) Xylene,_o-	17.57	91	2704219	36.82	ppbV	#	74
61) Cumene	18.44	105	845377	39.25	ppbV		99
62) Chlorotoluene,_2-	19.19	91	482006	37.93	ppbV		99
63) Ethyltoluene,_4-	19.50	105	2799527	32.11	ppbV	#	93
64) Trimethylbenzene,_1,3,5-	19.64	105	2711429	34.86	ppbV		95
65) Trimethylbenzene,_1,2,4-	20.34	105	2674165	35.38	ppbV	#	95
66) Benzyl chloride	20.58	91	2571033	42.62	ppbV	#	94
67) Dichlorobenzene,_1,3-	20.59	146	2394416	41.93	ppbV		96
68) Dichlorobenzene,_1,4-	20.70	146	2109007	39.02	ppbV		96
69) Dichlorobenzene,_1,2-	21.19	146	1878848	39.39	ppbV		96
70) Trichlorobenzene,_1,2,4-	23.26	180	1268597	42.67	ppbV		100
71) Hexachlorobutadiene	23.74	225	521078m	21.41	ppbV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102std05.D
Acq On : 02 Nov 06 14:31
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 03 14:18:58 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Fri Nov 03 14:07:08 2006
Response via : Initial Calibration



PAL1102.M Fri Nov 03 14:34:49 2006 S1

0181

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1127.M
Title : TO-15
Last Update : Tue Nov 28 10:27:04 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1127std01.D 10 =1127std02_061127173628.D 20 =1127std03.D
30 =1127std04.D 40 =1127std05.D

		Compound	0.5	10	20	30	40	Avg	%RSD
1)	I	Bromochloromethane_(I	----------ISTD----------						
2)		Propene	1.090	0.877	0.871	0.784	0.716	0.867	16.26
3)		Dichlorodifluoromet	2.997	2.392	2.329	2.005	1.750	2.294	20.49
4)		Chloromethane	1.259	1.017	0.995	0.899	0.817	0.997	16.72
5)		Dichlorotetrafluoro	3.633	2.843	2.812	2.435	2.058	2.756	21.25
6)		Vinyl_chloride	1.780	1.483	1.358	1.290	1.184	1.419	16.14
7)		Butadiene,_1,3-	1.371	1.369	1.196	1.057	0.958	1.190	15.50
8)		Bromomethane	1.083	0.933	0.913	0.853	0.802	0.917	11.61
9)		Chloroethane	0.800	0.659	0.645	0.598	0.546	0.650	14.60
10)		Ethanol	0.300	0.405	0.404	0.375	0.326	0.362	13.05
11)		Bromoethene	0.488	0.432	0.422	0.397	0.361	0.420	11.11
12)		Acetone	1.972	1.596	1.569	1.393	1.210	1.548	18.29
13)		Trichlorofluorometh	3.104	2.530	2.189	1.751	1.517	2.218	28.44
14)		Isopropyl alcohol	1.982	2.148	2.077	1.883	1.717	1.961	8.63
15)		Dichloroethylene,_1	2.154	1.836	1.808	1.642	1.492	1.786	13.87
16)		Butyl_Alcohol,_tert	0.875	0.993	1.008	0.953	0.860	0.938	7.18
17)		Methylene_chloride	1.707	1.308	1.299	1.217	1.123	1.331	16.77
18)		Chloropropene,_3-	0.222	0.196	0.175	0.140	0.115	0.170	25.10
19)		Trichloro-1,2,2-tri	2.616	2.338	2.451	2.425	2.303	2.427	5.02
20)		Carbon_disulfide	3.736	3.347	3.293	3.120	2.930	3.285	9.13
21)		Dichloroethylene,_t	1.922	1.693	1.716	1.592	1.438	1.672	10.61
22)		Dichloroethane, 1,1	2.575	2.158	2.151	2.020	1.851	2.151	12.46
23)		Methyl-t-butyl_ethe	4.029	3.398	3.371	3.084	2.808	3.338	13.62
24)		Vinyl acetate	0.923	0.740	0.769	0.680	0.620	0.746	15.32
25)		Methyl_ethyl_ketone	2.232	2.317	2.303	2.131	1.893	2.175	8.00
26)		Dichloroethylene,_c	1.938	1.622	1.622	1.501	1.380	1.613	12.88
27)		Hexane	2.258	2.021	2.068	1.953	1.806	2.021	8.17
28)		Ethyl acetate	0.348	0.399	0.410	0.401	0.379	0.387	6.37
29)		Chloroform	2.793	2.405	2.410	2.229	2.007	2.369	12.20
30)	I	Difluorobenzene,_1,4-	----------ISTD----------						
31)		Tetrahydrofuran	0.329	0.316	0.319	0.317	0.318	0.320	1.59
32)		Dichloroethane,_1,2	0.420	0.357	0.366	0.362	0.356	0.372	7.31
33)		Trichloroethane,_1,	0.620	0.537	0.551	0.563	0.557	0.566	5.68
34)		Benzene	1.072	0.926	0.923	0.913	0.877	0.942	7.98
35)		Carbon_tetrachlorid	0.509	0.488	0.499	0.497	0.485	0.495	1.86
36)		Cyclohexane	0.571	0.468	0.481	0.491	0.503	0.503	7.98
37)		Dichloropropane,_1,	0.348	0.307	0.319	0.332	0.344	0.330	5.10
38)		Bromodichloromethan	0.654	0.626	0.653	0.688	0.693	0.663	4.18
39)		Dioxane, 1,4-	0.156	0.206	0.237	0.279	0.299	0.235	24.31
40)		Trichloroethylene	0.438	0.430	0.487	0.569	0.608	0.506	15.61
41)		Trimethylpentane,_2	0.735	0.665	0.707	0.773	0.765	0.729	6.05
42)		Heptane	0.619	0.537	0.570	0.580	0.576	0.576	5.05
43)		Dichloropropene,_ci	0.524	0.532	0.542	0.577	0.577	0.550	4.58
44)		Methyl_isobutyl_ket	0.590	0.642	0.659	0.673	0.657	0.644	4.98
45)		Dichloropropene,_tr	0.520	0.525	0.537	0.547	0.537	0.533	2.03
46)		Trichloroethane,_1,	0.361	0.342	0.351	0.380	0.399	0.367	6.29
47)		Chlorobenzene,_d-5__(	----------ISTD----------						
48)		Toluene	1.387	1.203	1.200	1.162	1.125	1.215	8.31
49)		Methyl butyl ketone	0.470	0.629	0.658	0.656	0.647	0.612	13.12
50)		Dibromochloromethan	0.578	0.578	0.626	0.662	0.682	0.625	7.61
51)		Dibromoethane,_1,2-	0.569	0.568	0.600	0.648	0.673	0.612	7.76
52)		Tetrachloroethylene	0.564	0.551	0.630	0.692	0.727	0.633	12.16
53)		Chlorobenzene	0.973	0.901	0.966	0.967	0.963	0.954	3.16

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1127.M
Title : TO-15
Last Update : Tue Nov 28 10:27:04 2006
Response Via : Initial Calibration

Calibration Files
0.5 =1127std01.D 10 =1127std02_061127173628.D 20 =1127std03.D
30 =1127std04.D 40 =1127std05.D

		Compound	0.5	10	20	30	40	Avg	%RSD
54)		Ethylbenzene	1.574	1.463	1.474	1.364	1.271	1.429	8.08
55)		Xylene,_m_&_p-	2.590	2.387	2.463	2.209	2.035	2.337	9.33
56)		Bromoform	0.252	0.286	0.335	0.367	0.397	0.327	17.97
57)		Styrene	0.926	0.929	0.978	0.937	0.920	0.938	2.44
58)		Tetrachloroethane,_	0.793	0.894	1.049	1.021	0.974	0.946	11.00
59)		Xylene,_o-	1.308	1.266	1.401	1.307	1.235	1.303	4.80
60)	S	Bromofluorobenzene_	0.731	0.709	0.754	0.733	0.723	0.730	2.24
61)		Cumene	0.269	0.250	0.260	0.245	0.247	0.254	4.02
62)		Chlorotoluene,_2-	0.141	0.130	0.134	0.123	0.125	0.131	5.41
63)		Ethyltoluene,_4-	1.589	1.559	1.597	1.421	1.216	1.476	10.98
64)		Trimethylbenzene,_1	1.432	1.367	1.450	1.290	1.166	1.341	8.67
65)		Trimethylbenzene,_1	1.326	1.309	1.407	1.257	1.226	1.305	5.33
66)		Benzyl chloride	1.010	1.265	1.414	1.252	1.192	1.227	11.92
67)		Dichlorobenzene,_1,	0.841	0.905	1.114	1.074	1.082	1.003	12.15
68)		Dichlorobenzene,_1,	0.859	0.886	1.027	0.957	0.951	0.936	7.04
69)		Dichlorobenzene,_1,	0.751	0.793	0.913	0.855	0.851	0.833	7.50
70)		Trichlorobenzene,_1	0.382	0.473	0.573	0.574	0.582	0.517	17.01
71)		Hexachlorobutadiene	0.360	0.463	0.634	0.605	0.342	0.481	28.14

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std01.D
Acq On : 27 Nov 06 13:25
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 28 10:36:00 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:27:04 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	110441	10.00	ppbV		-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	502076	10.00	ppbV		-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	471871	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	344997	10.01	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.10%				
Target Compounds							Qvalue
2) Propene	3.84	41	6019	0.63	ppbV		100
3) Dichlorodifluoromethane	3.92	85	16548	0.65	ppbV		100
4) Chloromethane	4.10	50	6952	0.63	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	20063	0.66	ppbV		99
6) Vinyl_chloride	4.33	62	9828	0.63	ppbV		100
7) Butadiene,_1,3-	4.46	54	7572	0.58	ppbV		98
8) Bromomethane	4.74	94	5982	0.59	ppbV		98
9) Chloroethane	4.91	64	4415	0.62	ppbV		100
10) Ethanol	5.12	45	1656	0.41	ppbV	#	81
11) Bromoethene	5.26	106	2694	0.58	ppbV		100
12) Acetone	5.53	43	10889	0.64	ppbV	#	84
13) Trichlorofluoromethane	5.65	101	17140	0.70	ppbV		99
14) Isopropyl alcohol	5.79	45	10944	0.51	ppbV	#	94
15) Dichloroethylene,_1,1-	6.28	61	11893	0.60	ppbV		98
16) Butyl_Alcohol,_tert	6.39	59	4830	0.47	ppbV		100
17) Methylene_chloride	6.41	49	9428	0.64	ppbV		98
18) Chloropropene,_3-	6.53	76	1224	0.65	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.65	101	14443	0.54	ppbV		100
20) Carbon_disulfide	6.71	76	20630	0.57	ppbV		100
21) Dichloroethylene,_trans-1,	7.34	61	10614	0.57	ppbV		97
22) Dichloroethane, 1,1-	7.54	63	14221	0.60	ppbV		100
23) Methyl-t-butyl_ether	7.59	73	22247	0.60	ppbV		100
24) Vinyl acetate	7.59	43	5098	0.62	ppbV	#	99
25) Methyl_ethyl_ketone	7.98	43	12323	0.51	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.40	61	10703	0.60	ppbV		98
27) Hexane	8.61	57	12468	0.56	ppbV		100
28) Ethyl acetate	8.65	61	1923	0.45	ppbV		99
29) Chloroform	8.71	83	15425	0.59	ppbV		99
31) Tetrahydrofuran	9.15	42	8250	0.51	ppbV		100
32) Dichloroethane,_1,2-	9.51	62	10556	0.56	ppbV		100
33) Trichloroethane,_1,1,1-	9.77	97	15572	0.55	ppbV		100
34) Benzene	10.29	78	26902	0.57	ppbV		100
35) Carbon_tetrachloride	10.45	117	12766	0.51	ppbV		99
36) Cyclohexane	10.58	56	14326	0.57	ppbV		99
37) Dichloropropane,_1,2-	11.21	63	8731	0.53	ppbV		98
38) Bromodichloromethane	11.43	83	16419	0.49	ppbV		100
39) Dioxane, 1,4-	11.49	88	3916	0.33	ppbV		97
40) Trichloroethylene	11.48	130	10995	0.43	ppbV		98
41) Trimethylpentane,_2,2,4-	11.51	57	18442	0.50	ppbV		100
42) Heptane	11.81	43	15529	0.54	ppbV		100
43) Dichloropropene,_cis-1,3-	12.51	75	13146	0.48	ppbV		100
44) Methyl_isobutyl_ketone	12.54	43	14817	0.46	ppbV		99
45) Dichloropropene,_trans-1,3	13.15	75	13059	0.49	ppbV		100

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std01.D
Acq On : 27 Nov 06 13:25
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 28 10:36:00 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:27:04 2006
Response via : Initial Calibration

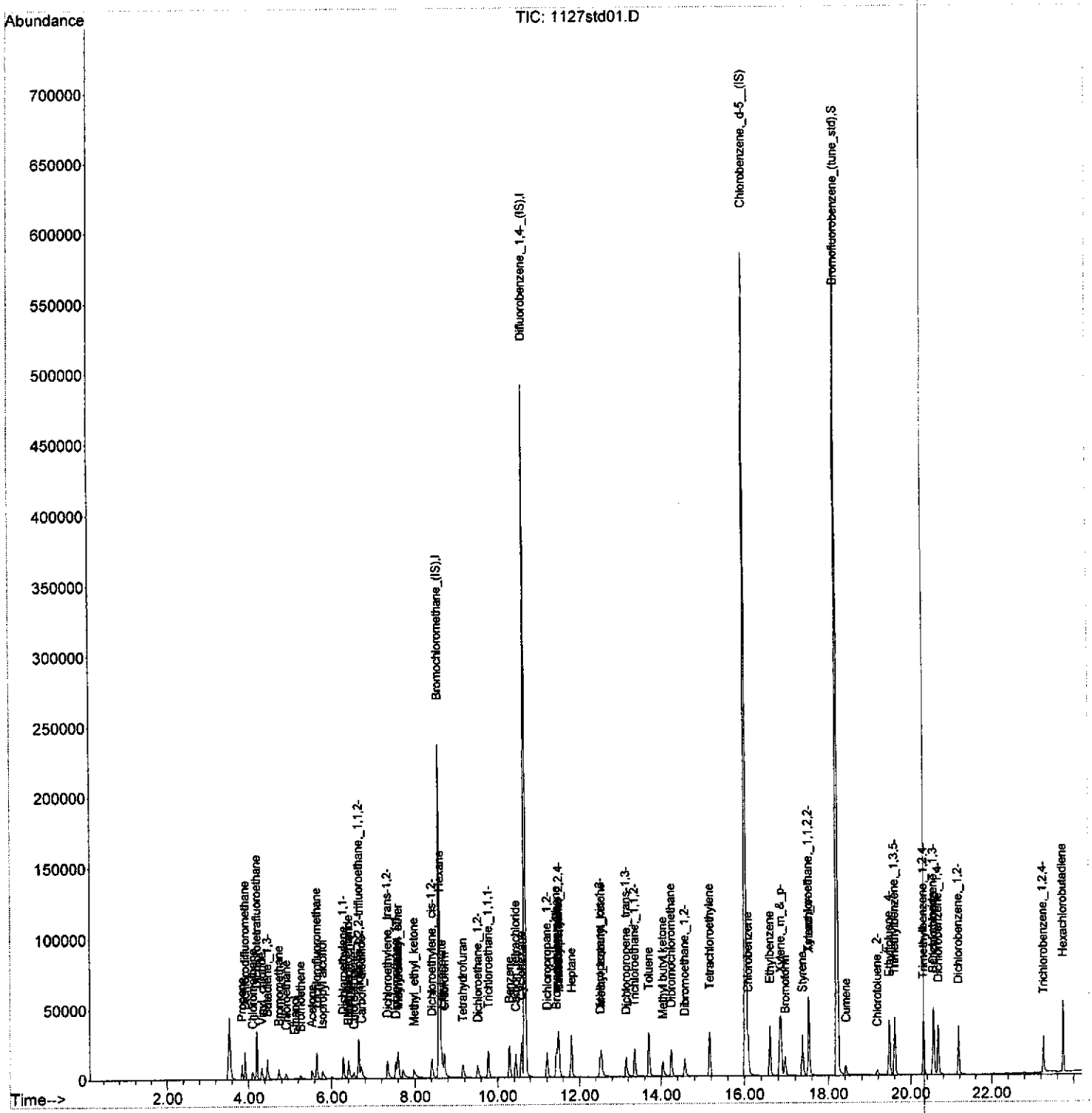
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	9062	0.49	ppbV	99
48) Toluene	13.70	91	32719	0.57	ppbV	99
49) Methyl butyl ketone	14.04	43	11088	0.38	ppbV	99
50) Dibromochloromethane	14.24	129.	13633	0.46	ppbV	99
51) Dibromoethane,_1,2-	14.56	107	13427	0.47	ppbV	100
52) Tetrachloroethylene	15.16	166	13317	0.45	ppbV	99
53) Chlorobenzene	16.08	112	22960	0.51	ppbV	100
54) Ethylbenzene	16.60	91	37133	0.55	ppbV	100
55) Xylene,_m_&_p-	16.86	91	61081m	0.55	ppbV	
56) Bromoform	16.96	171	5938	0.38	ppbV	97
57) Styrene	17.38	104	21858	0.49	ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	18706	0.42	ppbV	99
59) Xylene,_o-	17.53	91	30854	0.50	ppbV	99
61) Cumene	18.42	105	6351	0.53	ppbV	100
62) Chlorotoluene,_2-	19.18	91	3319	0.54	ppbV	100
63) Ethyltoluene,_4-	19.47	105	37486	0.54	ppbV	100
64) Trimethylbenzene,_1,3,5-	19.60	105	33793	0.53	ppbV	100
65) Trimethylbenzene,_1,2,4-	20.30	105	31284	0.51	ppbV	100
66) Benzyl chloride	20.54	91	23823	0.41	ppbV	99
67) Dichlorobenzene,_1,3-	20.55	146	19837	0.42	ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	20275	0.46	ppbV	99
69) Dichlorobenzene,_1,2-	21.17	146	17717	0.45	ppbV	99
70) Trichlorobenzene,_1,2,4-	23.26	180	9003	0.37	ppbV	99
71) Hexachlorobutadiene	23.74	225	8496	0.37	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std01.D
Acq On : 27 Nov 06 13:25
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 28 10:36:00 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:27:04 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std02_061127173628.D
Acq On : 27 Nov 06 17:36
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 28 10:24:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	114953	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.68	114	518245	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.02	117	497845	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	353033	9.71	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 97.10%			
Target Compounds						Qvalue
2) Propene	3.82	41	100773	10.11	ppbV	99
3) Dichlorodifluoromethane	3.90	85	274918	10.42	ppbV	100
4) Chloromethane	4.08	50	116906	10.20	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	326819	10.32	ppbV	100
6) Vinyl_chloride	4.31	62	170476	10.45	ppbV	100
7) Butadiene,_1,3-	4.45	54	157342	11.50	ppbV	98
8) Bromomethane	4.72	94	107199	10.17	ppbV	100
9) Chloroethane	4.91	64	75700	10.14	ppbV	100
10) Ethanol	5.11	45	46553	11.19	ppbV	99
11) Bromoethene	5.24	106	49712	10.29	ppbV	99
12) Acetone	5.52	43	183457	10.31	ppbV	99
13) Trichlorofluoromethane	5.65	101	290836	11.41	ppbV	100
14) Isopropyl alcohol	5.80	45	246867	10.95	ppbV	100
15) Dichloroethylene,_1,1-	6.28	61	211010	10.28	ppbV	100
16) Butyl_Alcohol,_tert	6.39	59	114110	10.58	ppbV	100
17) Methylene_chloride	6.41	49	150322	9.83	ppbV	99
18) Chloropropene,_3-	6.52	76	22533	11.55	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.65	101	268813	9.64	ppbV	100
20) Carbon_disulfide	6.70	76	384739	10.19	ppbV	100
21) Dichloroethylene,_trans-1,	7.34	61	194600	10.12	ppbV	99
22) Dichloroethane, 1,1-	7.55	63	248068	10.03	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	390631	10.18	ppbV	100
24) Vinyl acetate	7.60	43	85078	9.92	ppbV #	99
25) Methyl_ethyl_ketone	7.98	43	266379	10.65	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.42	61	186410	10.06	ppbV	100
27) Hexane	8.62	57	232348	10.00	ppbV	99
28) Ethyl acetate	8.65	61	45836	10.29	ppbV	100
29) Chloroform	8.73	83	276405	10.15	ppbV	100
31) Tetrahydrofuran	9.15	42	163636	9.87	ppbV	100
32) Dichloroethane,_1,2-	9.53	62	185267	9.60	ppbV	100
33) Trichloroethane,_1,1,1-	9.79	97	278052	9.49	ppbV	99
34) Benzene	10.30	78	479640	9.83	ppbV	100
35) Carbon_tetrachloride	10.46	117	253035	9.86	ppbV	100
36) Cyclohexane	10.60	56	242727	9.32	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	159325	9.31	ppbV	100
38) Bromodichloromethane	11.44	83	324277	9.44	ppbV	100
39) Dioxane, 1,4-	11.48	88	106722	8.75	ppbV	99
40) Trichloroethylene	11.49	130	222989	8.50	ppbV	99
41) Trimethylpentane,_2,2,4-	11.52	57	344836	9.13	ppbV	100
42) Heptane	11.82	43	278264	9.32	ppbV	100
43) Dichloropropene,_cis-1,3-	12.51	75	275647	9.66	ppbV	100
44) Methyl_isobutyl_ketone	12.54	43	332680	9.96	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	271874	9.84	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std02_061127173628.D
Acq On : 27 Nov 06 17:36
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 28 10:24:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration

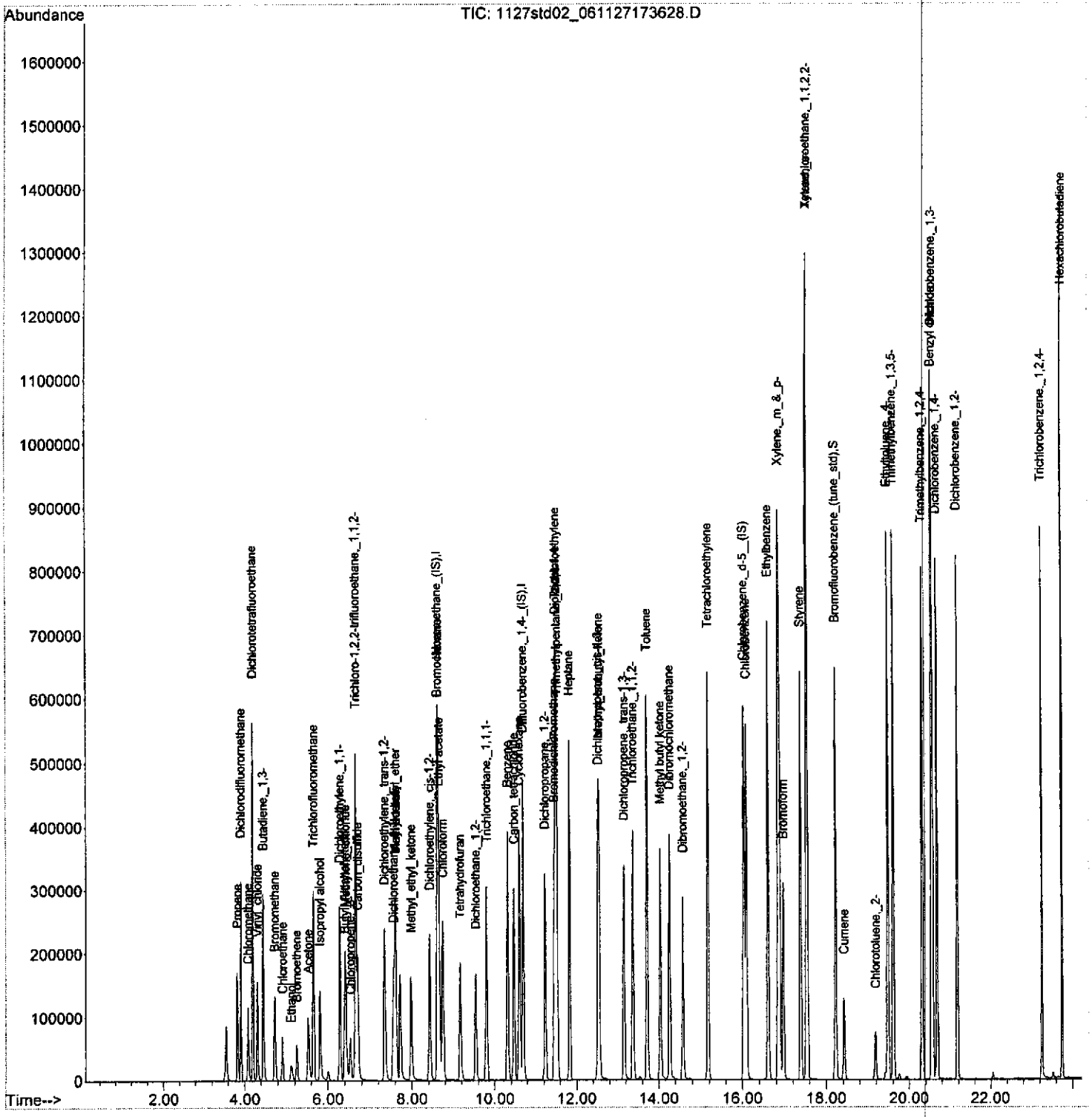
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	177265	9.33	ppbV		99
48) Toluene	13.71	91	598918	9.90	ppbV		99
49) Methyl butyl ketone	14.03	43	313254	10.28	ppbV		100
50) Dibromochloromethane	14.25	129	287506	9.24	ppbV		100
51) Dibromoethane,_1,2-	14.57	107	282651	9.28	ppbV		100
52) Tetrachloroethylene	15.16	166	274457	8.71	ppbV		100
53) Chlorobenzene	16.08	112	448365	9.44	ppbV		100
54) Ethylbenzene	16.60	91	728109	10.23	ppbV		100
55) Xylene,_m_&_p-	16.86	91	1188540	11.62	ppbV		100
56) Bromoform	16.96	171	142580	8.75	ppbV	#	74
57) Styrene	17.37	104	462614	9.91	ppbV		100
58) Tetrachloroethane,_1,1,2,2	17.52	83	444936	9.44	ppbV		100
59) Xylene,_o-	17.53	91	630222	9.71	ppbV		100
61) Cumene	18.41	105	124550	9.84	ppbV		100
62) Chlorotoluene,_2-	19.17	91	64936	9.98	ppbV		100
63) Ethyltoluene,_4-	19.47	105	776226	11.36	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.60	105	680789	10.20	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.30	105	651732	10.03	ppbV		99
66) Benzyl chloride	20.54	91	629860	10.31	ppbV		100
67) Dichlorobenzene,_1,3-	20.55	146	450615	9.02	ppbV		100
68) Dichlorobenzene,_1,4-	20.66	146	440862	9.46	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	394845	9.52	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	235526	9.15	ppbV		100
71) Hexachlorobutadiene	23.74	225	230732	10.46	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std02_061127173628.D
Acq On : 27 Nov 06 17:36
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 28 10:24:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std03.D
Acq On : 27 Nov 06 14:48
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 28 10:26:01 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:25:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	117581	10.00	ppbV		0.01
30) Difluorobenzene,_1,4-_(IS)	10.70	114	516514	10.00	ppbV		0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	488269	10.00	ppbV		0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	368083	10.47	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.70%				
Target Compounds							Qvalue
2) Propene	3.79	41	204783	17.71	ppbV		99
3) Dichlorodifluoromethane	3.89	85	547676	17.29	ppbV		100
4) Chloromethane	4.07	50	234063	17.49	ppbV		100
5) Dichlorotetrafluoroethane	4.18	85	661251	17.37	ppbV		100
6) Vinyl_chloride	4.29	62	319352	16.65	ppbV		100
7) Butadiene,_1,3-	4.44	54	281181	17.46	ppbV		99
8) Bromomethane	4.71	94	214753	18.12	ppbV		99
9) Chloroethane	4.89	64	151759	17.70	ppbV		100
10) Ethanol	5.12	45	95018	22.93	ppbV		100
11) Bromoethene	5.24	106	99184	18.33	ppbV		99
12) Acetone	5.52	43	368924	17.59	ppbV		99
13) Trichlorofluoromethane	5.64	101	514857	15.54	ppbV		100
14) Isopropyl alcohol	5.82	45	488338	20.12	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	425231	18.13	ppbV		100
16) Butyl_Alcohol,_tert	6.40	59	236977	21.59	ppbV		100
17) Methylene_chloride	6.40	49	305413	17.23	ppbV		100
18) Chloropropene,_3-	6.53	76	41265	16.80	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.65	101	576333	19.79	ppbV		100
20) Carbon_disulfide	6.70	76	774488	18.60	ppbV		100
21) Dichloroethylene,_trans-1,	7.34	61	403428	18.98	ppbV		99
22) Dichloroethane, 1,1-	7.56	63	505884	18.18	ppbV		100
23) Methyl-t-butyl_ether	7.61	73	792794	18.16	ppbV		100
24) Vinyl acetate	7.61	43	180896	18.50	ppbV	#	99
25) Methyl_ethyl_ketone	7.98	43	541633	20.25	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.43	61	381457	18.23	ppbV		100
27) Hexane	8.62	57	486238	19.33	ppbV		99
28) Ethyl acetate	8.66	61	96489	21.97	ppbV		100
29) Chloroform	8.75	83	566676	18.54	ppbV		99
31) Tetrahydrofuran	9.16	42	329248	19.78	ppbV		100
32) Dichloroethane,_1,2-	9.54	62	377848	18.81	ppbV		100
33) Trichloroethane,_1,1,1-	9.80	97	569429	19.06	ppbV		100
34) Benzene	10.32	78	952975	18.48	ppbV		100
35) Carbon_tetrachloride	10.47	117	514981	20.01	ppbV		100
36) Cyclohexane	10.61	56	496614	18.51	ppbV		100
37) Dichloropropane,_1,2-	11.24	63	329955	19.50	ppbV		100
38) Bromodichloromethane	11.46	83	674343	20.40	ppbV		100
39) Dioxane, 1,4-	11.49	88	244755	26.19	ppbV		99
40) Trichloroethylene	11.50	130	503433	22.45	ppbV		99
41) Trimethylpentane,_2,2,4-	11.53	57	730607	20.21	ppbV		100
42) Heptane	11.83	43	588798	19.73	ppbV		100
43) Dichloropropene,_cis-1,3-	12.52	75	560208	20.55	ppbV		100
44) Methyl_isobutyl_ketone	12.55	43	681206	21.41	ppbV		100
45) Dichloropropene,_trans-1,3	13.15	75	554883	20.56	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std03.D
Acq On : 27 Nov 06 14:48
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 28 10:26:01 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:25:42 2006
Response via : Initial Calibration

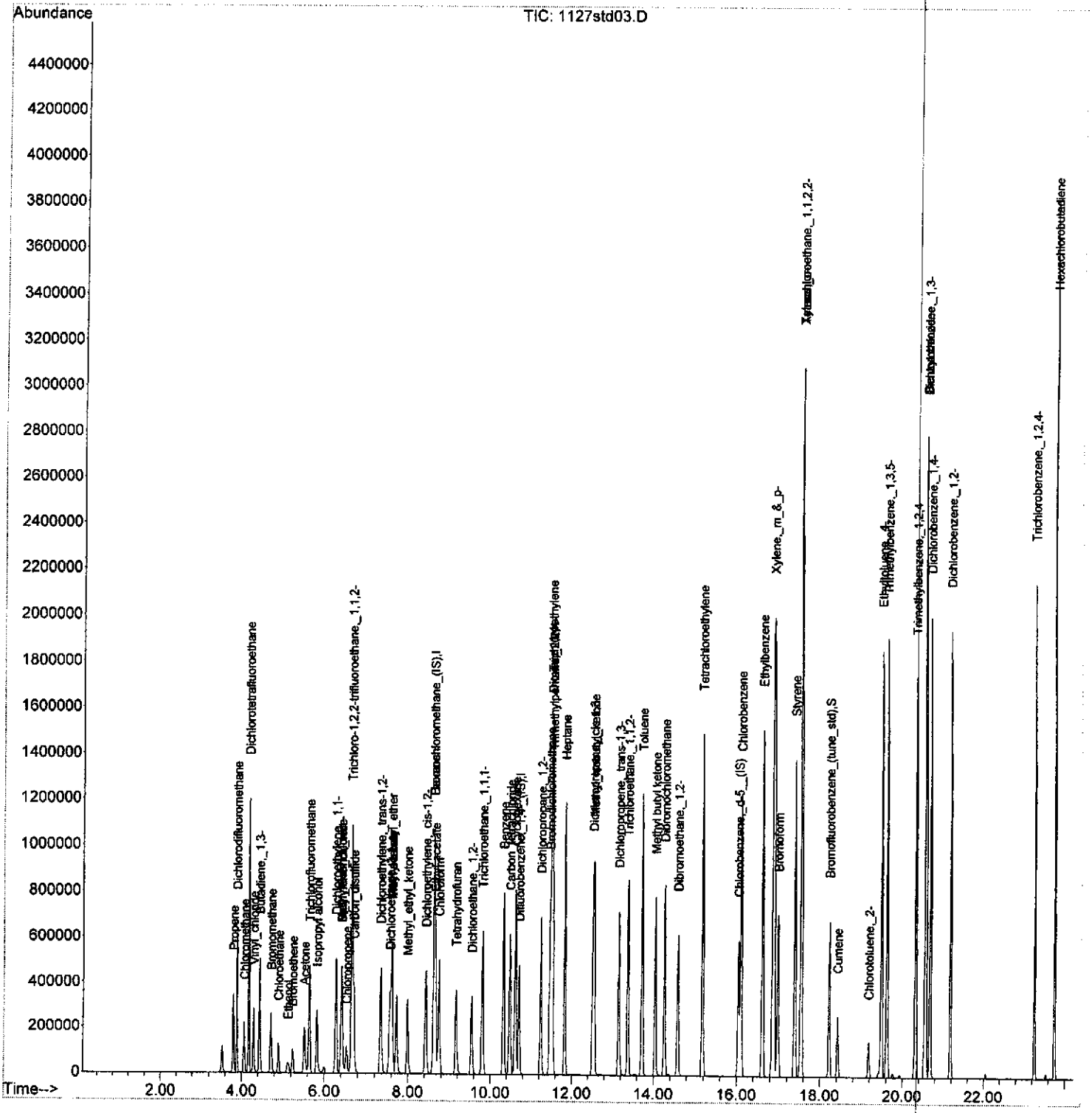
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	362084	19.94	ppbV	99
48) Toluene	13.72	91	1171650	18.53	ppbV	99
49) Methyl butyl ketone	14.04	43	642712	23.95	ppbV	99
50) Dibromochloromethane	14.26	129	611091	21.67	ppbV	100
51) Dibromoethane,_1,2-	14.58	107	585505	21.10	ppbV	100
52) Tetrachloroethylene	15.17	166	614736	22.57	ppbV	100
53) Chlorobenzene	16.09	112	943808	20.63	ppbV	100
54) Ethylbenzene	16.61	91	1439439	19.42	ppbV	99
55) Xylene,_m_&_p-	16.87	91	2405574	19.79	ppbV	98
56) Bromoform	16.98	171	326712	24.87	ppbV	97
57) Styrene	17.38	104	954703	21.07	ppbV	99
58) Tetrachloroethane,_1,1,2,2	17.53	83	1024794	24.89	ppbV	99
59) Xylene,_o-	17.54	91	1368269	21.78	ppbV	98
61) Cumene	18.42	105	253879	20.02	ppbV	100
62) Chlorotoluene,_2-	19.17	91	131009	19.79	ppbV	100
63) Ethyltoluene,_4-	19.48	105	1559444	20.29	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.61	105	1415669	20.71	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.32	105	1373660	21.35	ppbV	99
66) Benzyl chloride	20.55	91	1381062	24.87	ppbV	99
67) Dichlorobenzene,_1,3-	20.56	146	1087501	25.51	ppbV	99
68) Dichlorobenzene,_1,4-	20.68	146	1003101	23.55	ppbV	99
69) Dichlorobenzene,_1,2-	21.17	146	891827	23.66	ppbV	99
70) Trichlorobenzene,_1,2,4-	23.25	180	559891	26.83	ppbV	100
71) Hexachlorobutadiene	23.75	225	619572	30.82	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std03.D
Acq On : 27 Nov 06 14:48
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 28 10:26:01 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:25:42 2006
Response via : Initial Calibration



PAL1127.M Tue Nov 28 10:38:56 2006 S1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std04.D
Acq On : 27 Nov 06 15:28
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 28 10:26:32 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:26:16 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	133381	10.00	ppbV		0.03
30) Difluorobenzene,_1,4-_(IS)	10.71	114	528975	10.00	ppbV		0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	502038	10.00	ppbV		0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	368124	10.03	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.30%				
Target Compounds							Qvalue
2) Propene	3.82	41	313663	24.86	ppbV		99
3) Dichlorodifluoromethane	3.90	85	802204	23.38	ppbV		99
4) Chloromethane	4.08	50	359672	24.73	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	974168	23.59	ppbV		98
6) Vinyl_chloride	4.31	62	516339	25.13	ppbV		100
7) Butadiene,_1,3-	4.45	54	423113	24.18	ppbV		99
8) Bromomethane	4.73	94	341260	26.21	ppbV		100
9) Chloroethane	4.91	64	239389	25.60	ppbV		100
10) Ethanol	5.14	45	149915	30.41	ppbV		100
11) Bromoethene	5.26	106	159043	26.65	ppbV		99
12) Acetone	5.54	43	557488	24.41	ppbV		99
13) Trichlorofluoromethane	5.66	101	700592	20.14	ppbV		99
14) Isopropyl alcohol	5.84	45	753372	27.30	ppbV		100
15) Dichloroethylene,_1,1-	6.29	61	656837	25.48	ppbV		99
16) Butyl_Alcohol,_tert	6.42	59	381249	29.83	ppbV		100
17) Methylene_chloride	6.43	49	487102	25.40	ppbV		99
18) Chloropropene,_3-	6.54	76	56180	21.30	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.67	101	970518	29.48	ppbV		99
20) Carbon_disulfide	6.71	76	1248553	27.06	ppbV		100
21) Dichloroethylene,_trans-1,	7.36	61	636965	26.88	ppbV		99
22) Dichloroethane, 1,1-	7.57	63	808162	26.40	ppbV		100
23) Methyl-t-butyl_ether	7.62	73	1234233	25.71	ppbV		99
24) Vinyl acetate	7.62	43	272107	25.16	ppbV	#	99
25) Methyl_ethyl_ketone	8.00	43	852879	28.00	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.44	61	600611	26.07	ppbV		99
27) Hexane	8.63	57	781601	27.70	ppbV		98
28) Ethyl acetate	8.67	61	160372	31.17	ppbV		98
29) Chloroform	8.76	83	891736	26.36	ppbV		99
31) Tetrahydrofuran	9.17	42	503489	29.65	ppbV		100
32) Dichloroethane,_1,2-	9.55	62	574684	28.50	ppbV		99
33) Trichloroethane,_1,1,1-	9.81	97	893421	29.66	ppbV		100
34) Benzene	10.32	78	1448149	28.13	ppbV		99
35) Carbon_tetrachloride	10.48	117	788216	29.90	ppbV		100
36) Cyclohexane	10.62	56	778506	29.05	ppbV		100
37) Dichloropropane,_1,2-	11.24	63	527022	30.67	ppbV		100
38) Bromodichloromethane	11.47	83	1091582	32.03	ppbV		99
39) Dioxane, 1,4-	11.50	88	442635	41.92	ppbV		98
40) Trichloroethylene	11.51	130	902391	37.75	ppbV		100
41) Trimethylpentane,_2,2,4-	11.53	57	1226515	33.01	ppbV		99
42) Heptane	11.84	43	920150	30.24	ppbV		98
43) Dichloropropene,_cis-1,3-	12.52	75	915097	32.48	ppbV		100
44) Methyl_isobutyl_ketone	12.55	43	1067598	32.01	ppbV		99
45) Dichloropropene,_trans-1,3	13.16	75	868387	31.13	ppbV		99

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std04.D
Acq On : 27 Nov 06 15:28
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 28 10:26:32 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:26:16 2006
Response via : Initial Calibration

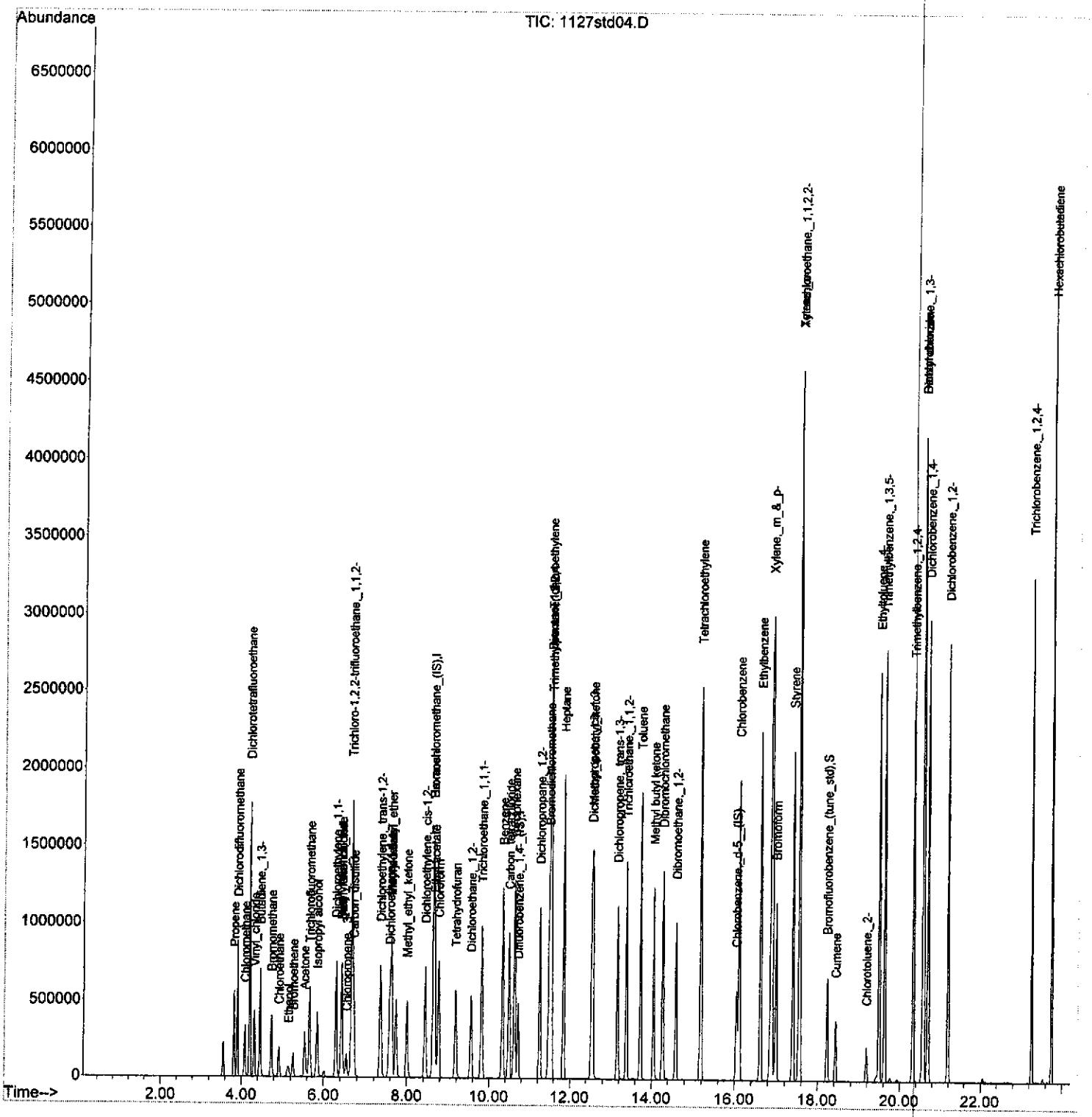
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	602781	32.45	ppbV		99
48) Toluene	13.72	91	1749890	27.59	ppbV		98
49) Methyl butyl ketone	14.04	43	988324	33.61	ppbV		98
50) Dibromochloromethane	14.26	129	997019	33.45	ppbV		99
51) Dibromoethane,_1,2-	14.59	107	976489	33.60	ppbV		99
52) Tetrachloroethylene	15.18	166	1042739	35.70	ppbV		100
53) Chlorobenzene	16.10	112	1456582	30.65	ppbV		100
54) Ethylbenzene	16.61	91	2054699	27.22	ppbV		97
55) Xylene,_m_&_p-	16.89	91	3327604	26.72	ppbV		95
56) Bromoform	16.98	171	552592	37.84	ppbV	#	86
57) Styrene	17.39	104	1410888	29.76	ppbV		97
58) Tetrachloroethane,_1,1,2,2	17.54	83	1538336	33.60	ppbV		97
59) Xylene,_o-	17.55	91	1967986	29.59	ppbV		96
61) Cumene	18.42	105	368831	28.28	ppbV		100
62) Chlorotoluene,_2-	19.17	91	185856	27.40	ppbV		100
63) Ethyltoluene,_4-	19.48	105	2139751	26.95	ppbV	#	97
64) Trimethylbenzene,_1,3,5-	19.62	105	1942673	27.32	ppbV		97
65) Trimethylbenzene,_1,2,4-	20.32	105	1893759	28.00	ppbV		97
66) Benzyl chloride	20.55	91	1885338	30.54	ppbV	#	97
67) Dichlorobenzene,_1,3-	20.57	146	1617309	33.80	ppbV		98
68) Dichlorobenzene,_1,4-	20.68	146	1441250	31.07	ppbV		98
69) Dichlorobenzene,_1,2-	21.17	146	1288339	31.33	ppbV		98
70) Trichlorobenzene,_1,2,4-	23.25	180	865115	36.20	ppbV		100
71) Hexachlorobutadiene	23.75	225	910954	37.34	ppbV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std04.D
Acq On : 27 Nov 06 15:28
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 28 10:26:32 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:26:16 2006
Response via : Initial Calibration



0195

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std05.D
Acq On : 27 Nov 06 16:09
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 28 10:23:54 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	146022	10.00	ppbV		0.03
30) Difluorobenzene,_1,4-_(IS)	10.71	114	528906	10.00	ppbV		0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	497828	10.00	ppbV		0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	359830	9.90	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.00%				
Target Compounds							Qvalue
2) Propene	3.82	41	418103	33.01	ppbV		99
3) Dichlorodifluoromethane	3.91	85	1022324	30.51	ppbV		98
4) Chloromethane	4.09	50	476937	32.75	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	1201782	29.86	ppbV		97
6) Vinyl_chloride	4.32	62	691464	33.37	ppbV		100
7) Butadiene,_1,3-	4.46	54	559733	32.20	ppbV		98
8) Bromomethane	4.74	94	468363	34.99	ppbV		100
9) Chloroethane	4.92	64	318891	33.62	ppbV		100
10) Ethanol	5.15	45	190496	36.04	ppbV		100
11) Bromoethene	5.26	106	211040	34.40	ppbV		99
12) Acetone	5.54	43	706769	31.27	ppbV		99
13) Trichlorofluoromethane	5.67	101	886314	27.36	ppbV		100
14) Isopropyl alcohol	5.85	45	1002636	35.00	ppbV		100
15) Dichloroethylene,_1,1-	6.30	61	871305	33.41	ppbV		98
16) Butyl_Alcohol,_tert	6.43	59	502441	36.68	ppbV		100
17) Methylene_chloride	6.43	49	656037	33.76	ppbV		98
18) Chloropropene,_3-	6.55	76	67253	27.13	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.67	101	1345281	37.96	ppbV		98
20) Carbon_disulfide	6.72	76	1711498	35.68	ppbV		100
21) Dichloroethylene,_trans-1,	7.36	61	840192	34.41	ppbV		97
22) Dichloroethane, 1,1-	7.58	63	1081042	34.42	ppbV		100
23) Methyl-t-butyl_ether	7.63	73	1640404	33.65	ppbV		99
24) Vinyl acetate	7.63	43	361894	33.20	ppbV	#	99
25) Methyl_ethyl_ketone	8.00	43	1105890	34.81	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.44	61	806225	34.24	ppbV		98
27) Hexane	8.64	57	1054724	35.74	ppbV		98
28) Ethyl acetate	8.68	61	221388	39.13	ppbV		98
29) Chloroform	8.77	83	1171982	33.89	ppbV		99
31) Tetrahydrofuran	9.17	42	673822	39.84	ppbV		99
32) Dichloroethane,_1,2-	9.56	62	752429	38.21	ppbV		99
33) Trichloroethane,_1,1,1-	9.82	97	1178612	39.40	ppbV		99
34) Benzene	10.33	78	1854789	37.24	ppbV	#	90
35) Carbon_tetrachloride	10.48	117	1026376	39.17	ppbV		100
36) Cyclohexane	10.62	56	1063439	40.00	ppbV		98
37) Dichloropropane,_1,2-	11.25	63	727313	41.66	ppbV		99
38) Bromodichloromethane	11.47	83	1465124	41.81	ppbV		99
39) Dioxane, 1,4-	11.51	88	632049	50.79	ppbV		96
40) Trichloroethylene	11.52	130	1285906	48.01	ppbV		100
41) Trimethylpentane,_2,2,4-	11.53	57	1618699	41.98	ppbV		98
42) Heptane	11.84	43	1218728	39.98	ppbV		97
43) Dichloropropene,_cis-1,3-	12.53	75	1221720	41.97	ppbV		100
44) Methyl_isobutyl_ketone	12.56	43	1389161	40.77	ppbV		98
45) Dichloropropene,_trans-1,3	13.16	75	1135988	40.28	ppbV		98

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std05.D
Acq On : 27 Nov 06 16:09
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 28 10:23:54 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration

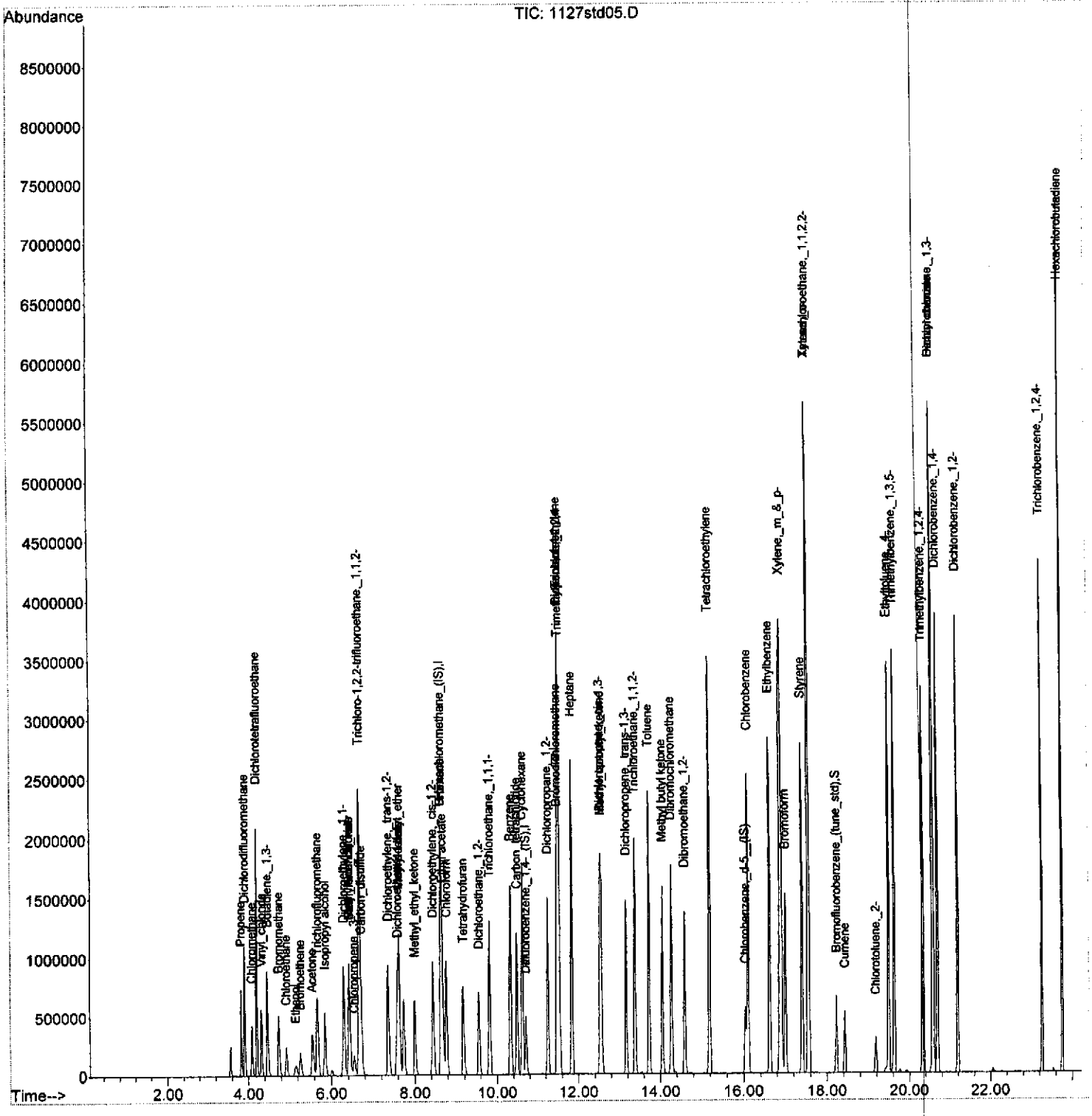
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	844448	43.56	ppbV		99
48) Toluene	13.73	91	2240298	37.03	ppbV		98
49) Methyl butyl ketone	14.05	43	1289089	42.30	ppbV		98
50) Dibromochloromethane	14.27	129	1357380	43.63	ppbV		99
51) Dibromoethane,_1,2-	14.59	107	1340474	44.03	ppbV		100
52) Tetrachloroethylene	15.18	166	1446962	45.93	ppbV		99
53) Chlorobenzene	16.10	112	1918485	40.39	ppbV		99
54) Ethylbenzene	16.62	91	2530583	35.57	ppbV	#	95
55) Xylene,_m_&_p-	16.89	91	4052577	39.62	ppbV	#	94
56) Bromoform	16.99	171	789953	48.49	ppbV	#	85
57) Styrene	17.39	104	1832512	39.24	ppbV	#	79
58) Tetrachloroethane,_1,1,2,2	17.55	83	1939369	41.17	ppbV		96
59) Xylene,_o-	17.55	91	2459873	37.91	ppbV	#	94
61) Cumene	18.42	105	491173	38.82	ppbV		100
62) Chlorotoluene,_2-	19.17	91	248440	38.19	ppbV		99
63) Ethyltoluene,_4-	19.48	105	2420504m	35.44	ppbV		
64) Trimethylbenzene,_1,3,5-	19.62	105	2321717	34.78	ppbV	#	93
65) Trimethylbenzene,_1,2,4-	20.32	105	2440562	37.57	ppbV		96
66) Benzyl chloride	20.56	91	2374632	38.89	ppbV	#	95
67) Dichlorobenzene,_1,3-	20.57	146	2154761	43.15	ppbV		97
68) Dichlorobenzene,_1,4-	20.68	146	1892846	40.63	ppbV		97
69) Dichlorobenzene,_1,2-	21.18	146	1695476	40.89	ppbV		96
70) Trichlorobenzene,_1,2,4-	23.26	180	1158443	45.02	ppbV		100
71) Hexachlorobutadiene	23.75	225	680294m	30.85	ppbV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127std05.D
Acq On : 27 Nov 06 16:09
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 28 10:23:54 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Tue Nov 28 10:13:58 2006
Response via : Initial Calibration



Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1208.M
Title : TO-15
Last Update : Mon Dec 11 15:19:00 2006
Response Via : Initial Calibration

Calibration Files
0.2 =1208std06.D 0.5 =1208std01.D 10 =1208std02.D
20 =1208std03.D 30 =1208std04.D 40 =1208std05.D

		Compound	0.2	0.5	10	20	30	40	Avg	%RSD
1)	I	Bromochloromethane_(I	----------	ISTD	----------					
2)		Propene	1.297		1.019	0.952	0.787	0.764	0.964	22.34
3)		Dichlorodifluorom	3.720		2.773	2.527	2.103	1.932	2.611	26.96
4)		Chloromethane	1.456		1.186	1.070	0.895	0.845	1.090	22.56
5)		Dichlorotetrafluo		4.160	3.285	3.152	2.557	2.312	3.093	23.30
6)		Vinyl_chloride	2.351		1.777	1.609	1.386	1.406	1.706	23.13
7)		Butadiene,_1,3-	1.396		1.461	1.303	1.091	1.036	1.257	14.86
8)		Bromomethane	1.363		1.037	0.971	0.869	0.835	1.015	20.75
9)		Chloroethane	0.993		0.745	0.697	0.608	0.587	0.726	22.40
10)		Ethanol	0.213		0.435	0.430	0.366	0.333	0.355	25.45
11)		Bromoethene	0.444		0.430	0.407	0.345	0.339	0.393	12.37
12)		Acetone		2.130	1.844	1.651	1.373	1.209	1.641	22.35
13)		Trichlorofluorome		3.394	2.835	2.276	1.814	1.632	2.390	30.50
14)		Isopropyl alcohol	2.000		2.408	2.239	1.941	1.797	2.077	11.77
15)		Dichloroethylene,	2.579		2.117	1.971	1.680	1.575	1.984	20.01
16)		Butyl_Alcohol,_te	0.858		0.998	0.940	0.834	0.796	0.885	9.28
17)		Methylene_chlorid	2.078		1.525	1.415	1.228	1.172	1.483	24.37
18)		Chloropropene,_3-	0.124		0.183	0.159	0.121	0.108	0.139	22.33
19)		Trichloro-1,2,2-t	2.413		2.577	2.697	2.620	2.578	2.577	4.03
20)		Carbon_disulfide	4.403		3.575	3.487	3.249	3.170	3.577	13.73
21)		Dichloroethylene,	1.969		1.981	1.850	1.613	1.528	1.788	11.61
22)		Dichloroethane, 1	3.186		2.501	2.373	2.118	1.997	2.435	19.08
23)		Methyl-t-butyl_et	4.948		3.836	3.619	3.202	3.039	3.729	20.17
24)		Vinyl acetate	1.255		0.906	0.832	0.684	0.632	0.862	28.52
25)		Methyl_ethyl_keto	2.113		2.688	2.481	2.196	2.017	2.299	12.09
26)		Dichloroethylene,	2.314		1.856	1.746	1.529	1.463	1.782	18.93
27)		Hexane	3.043		2.333	2.306	2.065	1.981	2.346	17.83
28)		Ethyl acetate	0.293		0.449	0.439	0.409	0.410	0.400	15.61
29)		Chloroform	3.460		2.673	2.581	2.243	2.099	2.611	20.30
30)	I	Difluorobenzene,_1,4-	----------	ISTD	----------					
31)		Tetrahydrofuran	0.371		0.364	0.357	0.348	0.342	0.356	3.23
32)		Dichloroethane,_1	0.455		0.424	0.412	0.387	0.381	0.412	7.26
33)		Trichloroethane,_	0.735		0.607	0.608	0.608	0.611	0.634	8.99
34)		Benzene	1.307		1.006	1.032	1.032	0.995	1.074	12.23
35)		Carbon_tetrachlor	0.557		0.543	0.541	0.525	0.505	0.534	3.77
36)		Cyclohexane	0.623		0.508	0.526	0.534	0.549	0.548	8.10
37)		Dichloropropane,_	0.400		0.346	0.359	0.376	0.385	0.373	5.70
38)		Bromodichlorometh	0.747		0.711	0.758	0.789	0.786	0.758	4.22
39)		Dioxane, 1,4-		0.158	0.229	0.282	0.333	0.352	0.271	29.11
40)		Trichloroethylene	0.512		0.457	0.562	0.663	0.706	0.580	17.88
41)		Trimethylpentane,	0.797		0.685	0.756	0.801	0.798	0.767	6.46
42)		Heptane	0.738		0.617	0.660	0.658	0.659	0.666	6.60
43)		Dichloropropene,_	0.578		0.571	0.612	0.649	0.649	0.612	6.09
44)		Methyl_isobutyl_k	0.557		0.717	0.747	0.780	0.759	0.712	12.57
45)		Dichloropropene,_	0.485		0.573	0.585	0.605	0.592	0.568	8.45
46)		Trichloroethane,_	0.393		0.370	0.397	0.444	0.453	0.411	8.60
47)		Chlorobenzene,_d-5__(	----------	ISTD	----------					
48)		Toluene	2.238		1.291	1.352	1.378	1.313	1.514	26.81
49)		Methyl butyl keto	0.461		0.670	0.722	0.731	0.729	0.662	17.42
50)		Dibromochlorometh	0.729		0.628	0.697	0.748	0.767	0.714	7.61
51)		Dibromoethane,_1,	0.701		0.604	0.674	0.741	0.759	0.696	8.78
52)		Tetrachloroethyle	0.833		0.587	0.705	0.818	0.847	0.758	14.65
53)		Chlorobenzene	1.248		0.982	1.067	1.125	1.116	1.108	8.76

Method Path : C:\MSDCHEM\1\METHODS\
Method File : PAL1208.M
Title : TO-15
Last Update : Mon Dec 11 15:19:00 2006
Response Via : Initial Calibration

Calibration Files
0.2 =1208std06.D 0.5 =1208std01.D 10 =1208std02.D
20 =1208std03.D 30 =1208std04.D 40 =1208std05.D

		Compound	0.2	0.5	10	20	30	40	Avg	%RSD
54)		Ethylbenzene	2.124		1.627	1.683	1.633	1.529	1.719	13.54
55)		Xylene,_m_&_p-	3.704		2.721	2.852	2.703	2.479	2.892	16.37
56)		Bromoform	0.160		0.147	0.159	0.158	0.156	0.156	3.45
57)		Styrene	1.286		1.024	1.076	1.101	1.083	1.114	9.02
58)		Tetrachloroethane	1.181		1.027	1.236	1.233	1.168	1.169	7.26
59)		Xylene,_o-	1.930		1.453	1.621	1.580	1.488	1.615	11.70
60)	S	Bromofluorobenzen	0.808	0.737	0.737	0.726	0.703	0.691	0.734	5.59
61)		Cumene	0.418		0.250	0.246	0.237	0.232	0.277	28.72
62)		Chlorotoluene,_2-		0.146	0.131	0.128	0.121	0.117	0.129	8.92
63)		Ethyltoluene,_4-	2.354		1.784	1.843	1.781	1.684	1.889	14.08
64)		Trimethylbenzene,	2.164		1.559	1.648	1.581	1.509	1.692	15.86
65)		Trimethylbenzene,	1.993		1.492	1.559	1.541	1.478	1.612	13.34
66)		Benzyl chloride	1.391		1.466	1.617	1.536	1.441	1.490	5.92
67)		Dichlorobenzene,_	1.531		1.052	1.279	1.333	1.308	1.301	13.11
68)		Dichlorobenzene,_	1.523		0.986	1.152	1.191	1.161	1.203	16.30
69)		Dichlorobenzene,_	1.407		0.900	1.026	1.066	1.035	1.087	17.50
70)		Trichlorobenzene,		0.710	0.453	0.557	0.624	0.663	0.601	16.63
71)		Hexachlorobutadie		0.317	0.235	0.231	0.332	0.336	0.290	18.19

(#) = Out of Range

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std06.D
Acq On : 08 Dec 06 19:59
Operator : .
Sample : 0.2 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 14:57:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:09:03 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	73912	10.00	ppbV		-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	354284	10.00	ppbV		-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	286547	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	231587	11.24	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 112.40%				
Target Compounds							Qvalue
2) Propene	3.85	41	1917	0.28	ppbV		98
3) Dichlorodifluoromethane	3.93	85	5499	0.30	ppbV		100
4) Chloromethane	4.11	50	2153	0.27	ppbV		98
6) Vinyl_chloride	4.33	62	3475	0.29	ppbV		99
7) Butadiene,_1,3-	4.47	54	2063	0.23	ppbV		96
8) Bromomethane	4.75	94	2015	0.28	ppbV		100
9) Chloroethane	4.92	64	1468	0.28	ppbV	#	97
10) Ethanol	5.16	45	315m	0.12	ppbV		
11) Bromoethene	5.27	106	657	0.23	ppbV		99
14) Isopropyl alcohol	5.81	45	2956	0.20	ppbV		100
15) Dichloroethylene,_1,1-	6.30	61	3812	0.26	ppbV		98
16) Butyl_Alcohol,_tert	6.46	59	1268m	0.19	ppbV		
17) Methylene_chloride	6.42	49	3072	0.29	ppbV		98
18) Chloropropene,_3-	6.53	76	183	0.16	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	3567	0.18	ppbV		100
20) Carbon_disulfide	6.73	76	6509	0.25	ppbV		99
21) Dichloroethylene,_trans-1,	7.35	61	2911	0.22	ppbV		100
22) Dichloroethane, 1,1-	7.55	63	4709	0.27	ppbV		99
23) Methyl-t-butyl_ether	7.60	73	7314	0.27	ppbV		99
24) Vinyl acetate	7.75	43	1855	0.31	ppbV		100
25) Methyl_ethyl_ketone	8.00	43	3124	0.18	ppbV	#	88
26) Dichloroethylene,_cis-1,2-	8.42	61	3420	0.27	ppbV		99
27) Hexane	8.61	57	4498	0.27	ppbV		99
28) Ethyl acetate	8.67	61	433m	0.14	ppbV		
29) Chloroform	8.71	83	5115	0.27	ppbV		100
31) Tetrahydrofuran	9.17	42	2626	0.21	ppbV	#	86
32) Dichloroethane,_1,2-	9.53	62	3222	0.22	ppbV		99
33) Trichloroethane,_1,1,1-	9.78	97	5211	0.24	ppbV		99
34) Benzene	10.30	78	9264	0.25	ppbV		100
35) Carbon_tetrachloride	10.45	117	3948	0.21	ppbV		100
36) Cyclohexane	10.59	56	4413	0.23	ppbV		100
37) Dichloropropane,_1,2-	11.22	63	2835	0.22	ppbV		98
38) Bromodichloromethane	11.45	83	5296	0.20	ppbV		100
40) Trichloroethylene	11.48	130	3625	0.18	ppbV		99
41) Trimethylpentane,_2,2,4-	11.51	57	5647	0.21	ppbV		100
42) Heptane	11.81	43	5230	0.23	ppbV		99
43) Dichloropropene,_cis-1,3-	12.52	75	4093	0.19	ppbV		98
44) Methyl_isobutyl_ketone	12.56	43	3949	0.16	ppbV		98
45) Dichloropropene,_trans-1,3	13.16	75	3434	0.17	ppbV		99
46) Trichloroethane,_1,1,2-	13.37	97	2784	0.19	ppbV		97
48) Toluene	13.71	91	12825	0.33	ppbV		99
49) Methyl butyl ketone	14.06	43	2641m	0.14	ppbV		
50) Dibromochloromethane	14.25	129	4176	0.21	ppbV		99

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std06.D
Acq On : 08 Dec 06 19:59
Operator : .
Sample : 0.2 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

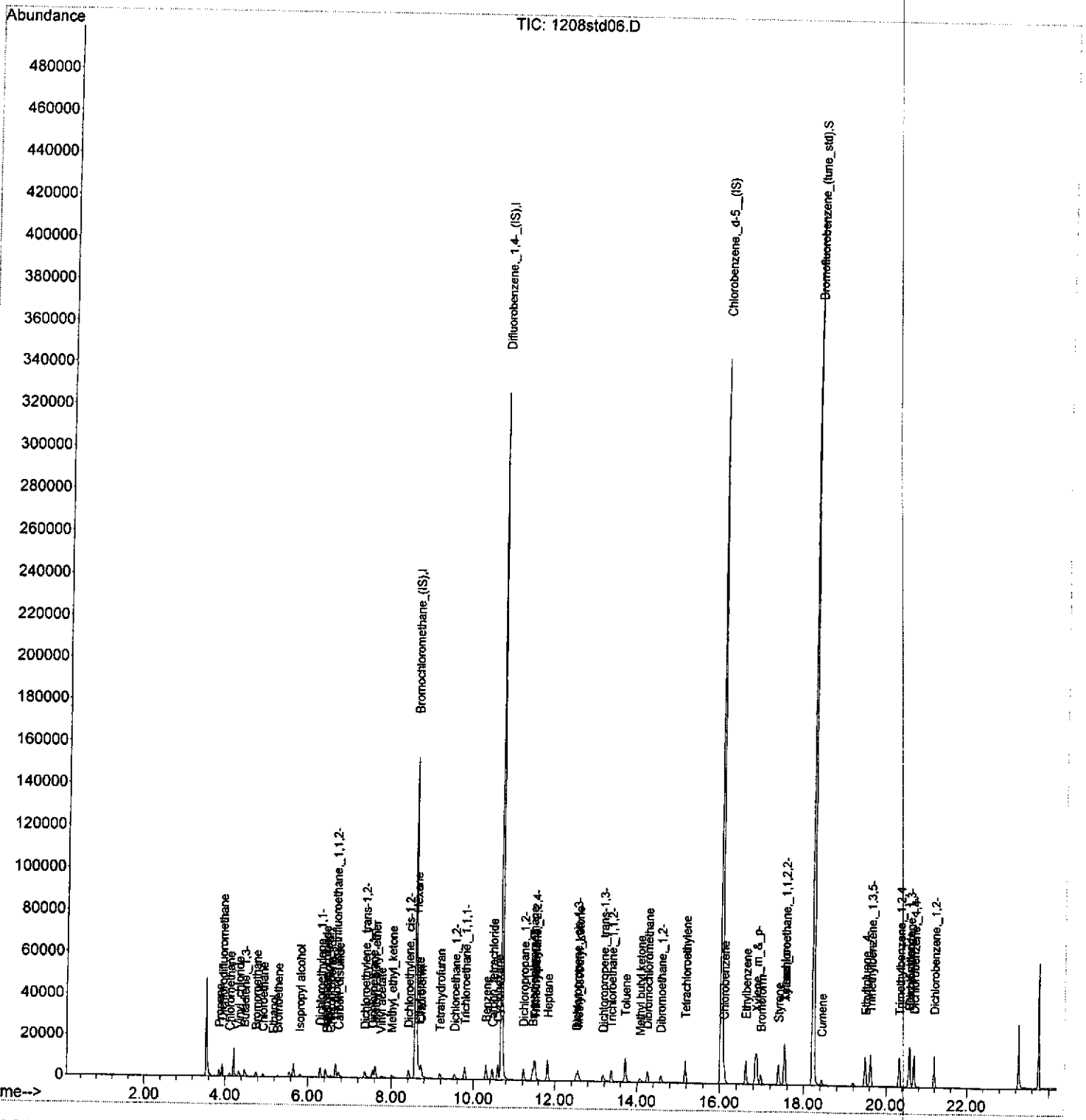
Quant Time: Dec 11 14:57:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:09:03 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromoethane,_1,2-	14.57	107	4015	0.21	ppbV	100
52) Tetrachloroethylene	15.16	166	4772	0.24	ppbV	99
53) Chlorobenzene	16.08	112	7153	0.24	ppbV	99
54) Ethylbenzene	16.61	91	12170	0.26	ppbV	99
55) Xylene,_m_&_p-	16.86	91	21226	0.27	ppbV	98
56) Bromoform	16.97	93	917	0.21	ppbV	100
57) Styrene	17.38	104	7372	0.25	ppbV	99
58) Tetrachloroethane,_1,1,2,2	17.53	83	6770	0.21	ppbV	99
59) Xylene,_o-	17.53	91	11060	0.26	ppbV	99
61) Cumene	18.42	105	2398	0.34	ppbV	99
63) Ethyltoluene,_4-	19.48	105	13492	0.27	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.61	105	12401	0.28	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.31	105	11419	0.27	ppbV	100
66) Benzyl chloride	20.55	91	7974	0.19	ppbV	99
67) Dichlorobenzene,_1,3-	20.56	146	8773	0.26	ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	8726	0.28	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	8065	0.29	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std06.D
Acq On : 08 Dec 06 19:59
Operator : .
Sample : 0.2 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 14:57:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:09:03 2006
Response via : Initial Calibration



Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std01.D
Acq On : 08 Dec 2006 11:16
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 10:05:19 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:03:40 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	88311	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	416299	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	382264	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	281874	10.26	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.60%			
Target Compounds						Qvalue
2) Propene	3.85	41	5184	0.63	ppbV	98
3) Dichlorodifluoromethane	3.93	85	14300	0.64	ppbV	100
4) Chloromethane	4.11	50	6062	0.64	ppbV	99
5) Dichlorotetrafluoroethane	4.22	85	18370	0.67	ppbV	97
6) Vinyl_chloride	4.33	62	8702	0.60	ppbV	99
7) Butadiene,_1,3-	4.47	54	5584	0.51	ppbV	97
8) Bromomethane	4.75	94	5171	0.60	ppbV	100
9) Chloroethane	4.92	64	3816	0.62	ppbV	100
10) Ethanol	5.16	45	1144m	0.35	ppbV	
11) Bromoethene	5.27	106	1958	0.56	ppbV	99
12) Acetone	5.55	43	9403	0.65	ppbV #	84
13) Trichlorofluoromethane	5.66	101	14985	0.71	ppbV	100
14) Isopropyl alcohol	5.81	45	7850	0.42	ppbV	99
15) Dichloroethylene,_1,1-	6.30	61	10584	0.62	ppbV	97
16) Butyl_Alcohol,_tert	6.41	59	3781m	0.48	ppbV	
17) Methylene_chloride	6.42	49	8331	0.65	ppbV	97
18) Chloropropene,_3-	6.54	76	901	0.66	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.66	101	12621	0.54	ppbV	97
20) Carbon_disulfide	6.72	76	17502	0.57	ppbV	100
21) Dichloroethylene,_trans-1,	7.35	61	9159	0.57	ppbV	96
22) Dichloroethane, 1,1-	7.55	63	12710	0.61	ppbV	100
23) Methyl-t-butyl_ether	7.61	73	19251	0.60	ppbV	100
24) Vinyl acetate	7.61	43	4424	0.62	ppbV #	99
25) Methyl_ethyl_ketone	7.99	43	10273	0.47	ppbV	99
26) Dichloroethylene,_cis-1,2-	8.42	61	9251	0.60	ppbV	97
27) Hexane	8.62	57	11072	0.56	ppbV	100
28) Ethyl acetate	8.66	61	1582	0.43	ppbV	99
29) Chloroform	8.72	83	13347	0.60	ppbV	100
31) Tetrahydrofuran	9.17	42	7145	0.49	ppbV	98
32) Dichloroethane,_1,2-	9.52	62	9183	0.54	ppbV	100
33) Trichloroethane,_1,1,1-	9.78	97	13462	0.53	ppbV	100
34) Benzene	10.29	78	23185	0.54	ppbV	100
35) Carbon_tetrachloride	10.45	117	11118	0.50	ppbV	100
36) Cyclohexane	10.59	56	11943	0.53	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	7644	0.50	ppbV	99
38) Bromodichloromethane	11.44	83	14289	0.46	ppbV	100
39) Dioxane, 1,4-	11.49	88	3299m	0.29	ppbV	
40) Trichloroethylene	11.48	130	9039	0.38	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	14652	0.47	ppbV	100
42) Heptane	11.81	43	13805	0.51	ppbV	98
43) Dichloropropene,_cis-1,3-	12.51	75	11045	0.44	ppbV	100
44) Methyl_isobutyl_ketone	12.54	43	12009	0.40	ppbV	98
45) Dichloropropene,_trans-1,3	13.15	75	11042	0.46	ppbV	99

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std01.D
Acq On : 08 Dec 2006 11:16
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

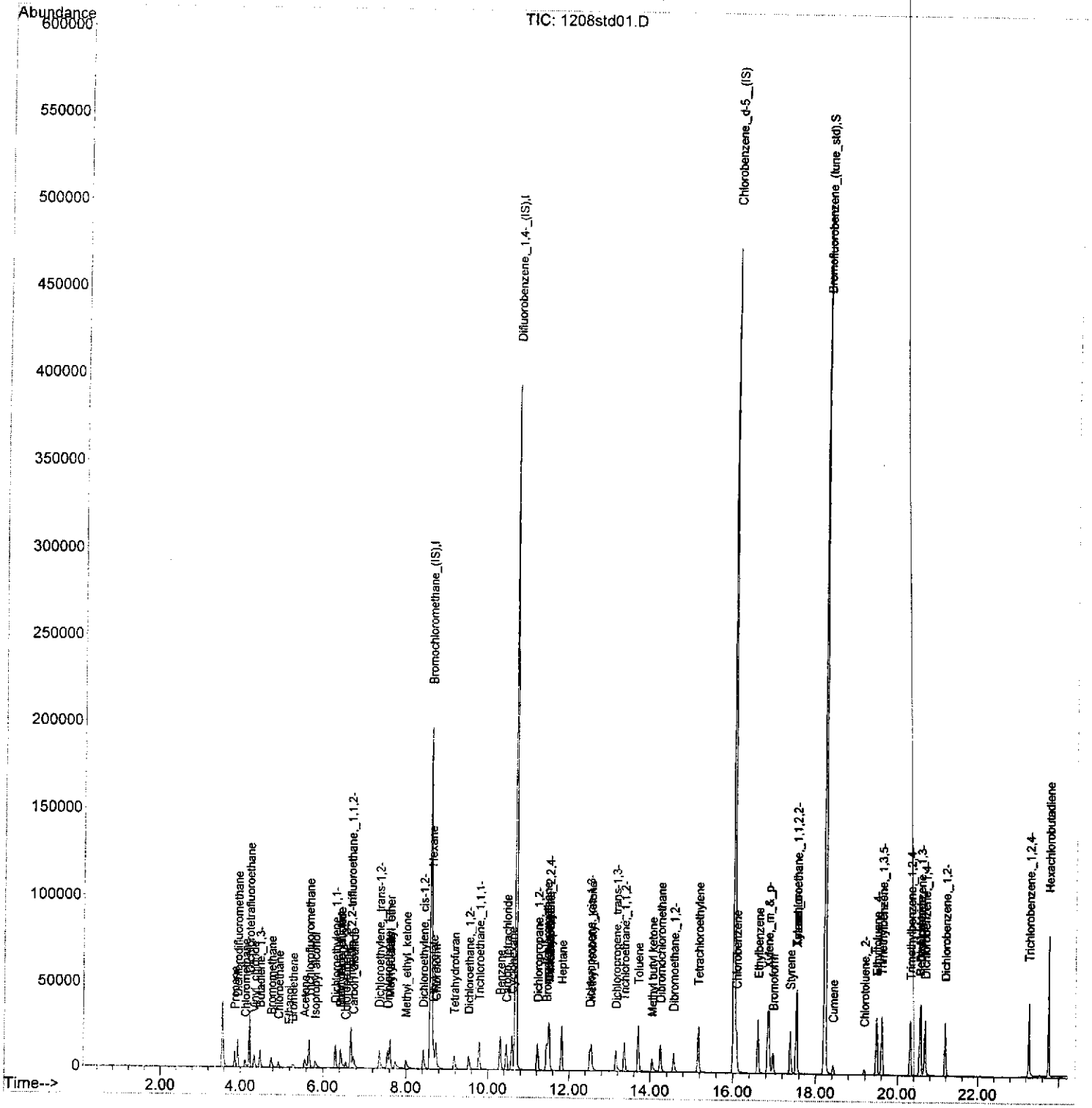
Quant Time: Dec 11 10:05:19 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:03:40 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	7828	0.46 ppbV	99
48) Toluene	13.70	91	28013	0.54 ppbV	99
49) Methyl butyl ketone	14.05	43	8174	0.33 ppbV	97
50) Dibromochloromethane	14.25	129	11625	0.44 ppbV	99
51) Dibromoethane,_1,2-	14.57	107	11414	0.44 ppbV	99
52) Tetrachloroethylene	15.16	166	11149	0.41 ppbV	99
53) Chlorobenzene	16.08	112	19013	0.47 ppbV	100
54) Ethylbenzene	16.60	91	32485	0.52 ppbV	99
55) Xylene,_m_&_p-	16.84	91	52222	0.51 ppbV	99
56) Bromoform	16.96	93	2512	0.23 ppbV	100
57) Styrene	17.38	104	18190	0.45 ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	16121	0.38 ppbV	99
59) Xylene,_o-	17.53	91	26011	0.45 ppbV	99
61) Cumene	18.41	105	5130	0.54 ppbV	99
62) Chlorotoluene,_2-	19.17	91	2797	0.57 ppbV	98
63) Ethyltoluene,_4-	19.47	105	32417	0.48 ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	28361	0.48 ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	26442	0.46 ppbV	99
66) Benzyl chloride	20.53	91	20932	0.38 ppbV	99
67) Dichlorobenzene,_1,3-	20.56	146	17712	0.39 ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	18235	0.44 ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	16077	0.43 ppbV	100
70) Trichlorobenzene,_1,2,4-	23.26	180	13565	0.59 ppbV	99
71) Hexachlorobutadiene	23.74	190	6055	0.51 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std01.D
Acq On : 08 Dec 2006 11:16
Operator : .
Sample : 0.5 ppbv Std.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 10:05:19 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:03:40 2006
Response via : Initial Calibration



Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std02.D
Acq On : 08 Dec 2006 12:01
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 10:03:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:02:56 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	89181	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.69	114	400677	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	385925	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	284254	10.25	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.50%				
Target Compounds							Qvalue
2) Propene	3.83	41	90879	10.85	ppbV		99
3) Dichlorodifluoromethane	3.91	85	247264	11.03	ppbV		100
4) Chloromethane	4.08	50	105740	11.04	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	292939	10.62	ppbV		98
6) Vinyl_chloride	4.32	62	158447	10.90	ppbV		100
7) Butadiene,_1,3-	4.45	54	130307	11.87	ppbV		98
8) Bromomethane	4.73	94	92476	10.62	ppbV		100
9) Chloroethane	4.91	64	66466	10.64	ppbV		100
10) Ethanol	5.13	45	38764	11.86	ppbV		100
11) Bromoethene	5.25	106	38348	10.95	ppbV		100
12) Acetone	5.53	43	164460	11.24	ppbV		100
13) Trichlorofluoromethane	5.66	101	252831	11.86	ppbV		100
14) Isopropyl alcohol	5.82	45	214786	11.52	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	188781	10.87	ppbV		98
16) Butyl_Alcohol,_tert	6.40	59	88984	11.20	ppbV		100
17) Methylene_chloride	6.41	49	136024	10.55	ppbV		99
18) Chloropropene,_3-	6.53	76	16330	11.81	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	229845	9.67	ppbV		99
20) Carbon_disulfide	6.71	76	318784	10.25	ppbV		100
21) Dichloroethylene,_trans-1,	7.34	61	176667	10.95	ppbV		98
22) Dichloroethane, 1,1-	7.57	63	223012	10.53	ppbV		100
23) Methyl-t-butyl_ether	7.61	73	342064	10.62	ppbV		100
24) Vinyl acetate	7.61	43	80838	11.17	ppbV	#	99
25) Methyl_ethyl_ketone	7.98	43	239723	10.92	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.43	61	165541	10.68	ppbV		98
27) Hexane	8.62	57	208086	10.42	ppbV		98
28) Ethyl acetate	8.65	61	40037	10.87	ppbV		99
29) Chloroform	8.74	83	238348	10.59	ppbV		100
31) Tetrahydrofuran	9.16	42	145763	10.37	ppbV		99
32) Dichloroethane,_1,2-	9.54	62	170056	10.38	ppbV		100
33) Trichloroethane,_1,1,1-	9.80	97	243085	9.85	ppbV		99
34) Benzene	10.31	78	402999	9.71	ppbV		100
35) Carbon_tetrachloride	10.47	117	217720	10.26	ppbV		100
36) Cyclohexane	10.60	56	203579	9.44	ppbV		99
37) Dichloropropane,_1,2-	11.23	63	138600	9.43	ppbV		99
38) Bromodichloromethane	11.46	83	284772	9.53	ppbV		100
39) Dioxane, 1,4-	11.49	88	91761	8.51	ppbV		100
40) Trichloroethylene	11.50	130	182924	8.09	ppbV		99
41) Trimethylpentane,_2,2,4-	11.52	57	274417	9.15	ppbV		100
42) Heptane	11.82	43	247281	9.47	ppbV		99
43) Dichloropropene,_cis-1,3-	12.51	75	228986	9.49	ppbV		100
44) Methyl_isobutyl_ketone	12.54	43	287260	10.01	ppbV		99
45) Dichloropropene,_trans-1,3	13.15	75	229666	9.93	ppbV		98

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std02.D
Acq On : 08 Dec 2006 12:01
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

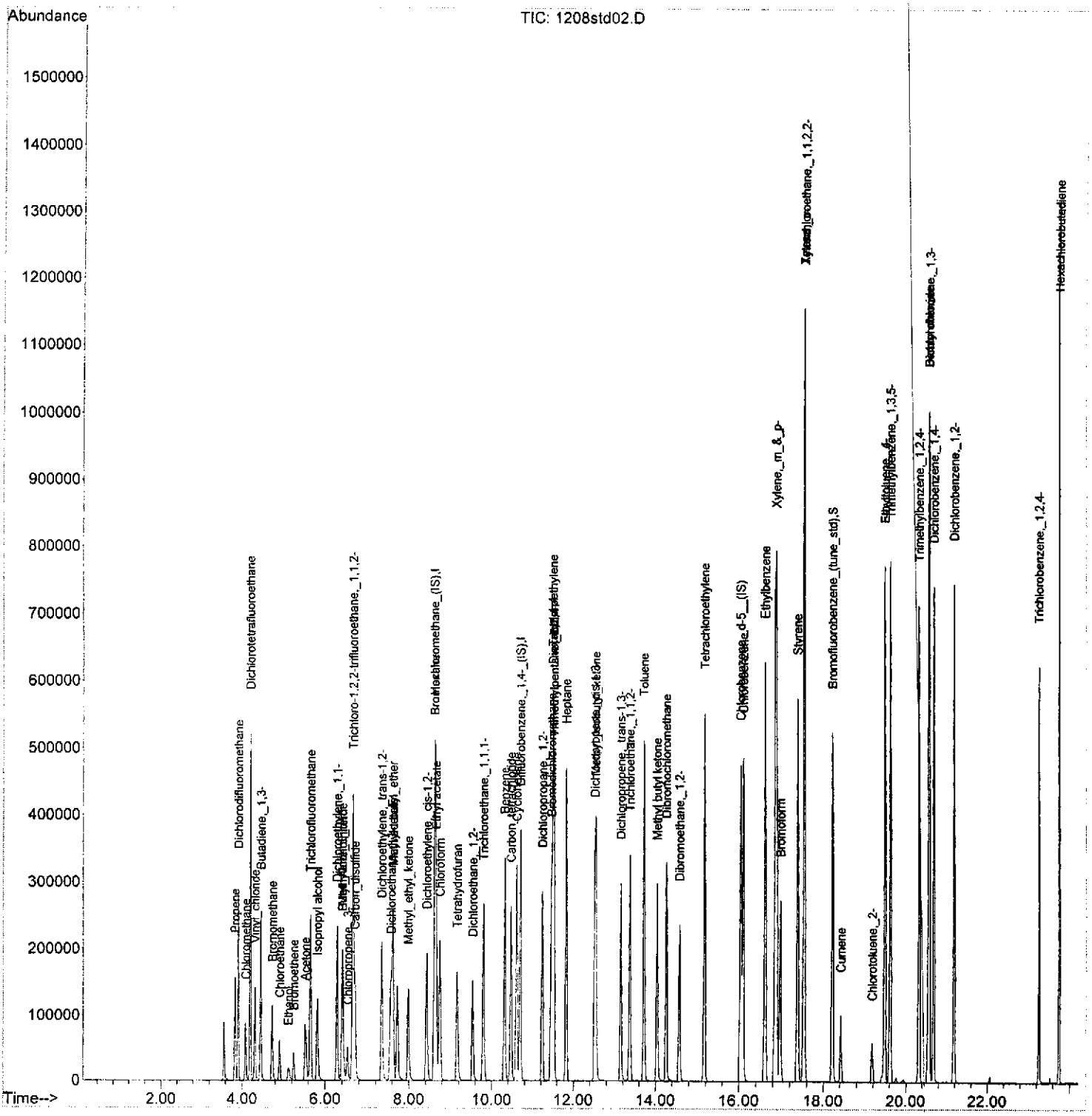
Quant Time: Dec 11 10:03:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:02:56 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	148358	9.07 ppbV	100
48) Toluene	13.71	91	498218	9.49 ppbV	99
49) Methyl butyl ketone	14.03	43	258617	10.22 ppbV	99
50) Dibromochloromethane	14.26	129	242373	9.11 ppbV	100
51) Dibromoethane,_1,2-	14.57	107	233252	8.95 ppbV	99
52) Tetrachloroethylene	15.17	166	226379	8.29 ppbV	99
53) Chlorobenzene	16.09	112	378830	9.29 ppbV	100
54) Ethylbenzene	16.61	91	628049	9.96 ppbV	99
55) Xylene,_m_&_p-	16.87	91	1049985	10.09 ppbV	99
56) Bromoform	16.97	93	56677	4.87 ppbV	100
57) Styrene	17.38	104	395267	9.78 ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	396495	9.33 ppbV	100
59) Xylene,_o-	17.53	91	560892	9.68 ppbV	99
61) Cumene	18.42	105	96412	10.12 ppbV	100
62) Chlorotoluene,_2-	19.17	91	50634	10.21 ppbV	99
63) Ethyltoluene,_4-	19.47	105	688369	10.15 ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	601737	10.02 ppbV	99
65) Trimethylbenzene,_1,2,4-	20.31	105	575824	10.01 ppbV	99
66) Benzyl chloride	20.54	91	565777	10.24 ppbV	100
67) Dichlorobenzene,_1,3-	20.56	146	406035	8.92 ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	380571	9.06 ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	347186	9.24 ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	174797	7.53 ppbV	100
71) Hexachlorobutadiene	23.74	190	90694	7.58 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std02.D
Acq On : 08 Dec 2006 12:01
Operator : .
Sample : 10 ppbv Std.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 11 10:03:22 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:02:56 2006
Response via : Initial Calibration



Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std03.D
Acq On : 08 Dec 2006 12:41
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 10:06:56 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:06:39 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	98798	10.00	ppbV		0.01
30) Difluorobenzene,_1,4-_(IS)	10.70	114	416380	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	403284	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	292720	10.10	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.00%				
Target Compounds							Qvalue
2) Propene	3.81	41	188028	20.27	ppbV		99
3) Dichlorodifluoromethane	3.90	85	499278	20.10	ppbV		99
4) Chloromethane	4.08	50	211433	19.93	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	622759	20.38	ppbV		99
6) Vinyl_chloride	4.31	62	317999	19.75	ppbV		100
7) Butadiene,_1,3-	4.45	54	257546	21.17	ppbV		100
8) Bromomethane	4.72	94	191781	19.88	ppbV		99
9) Chloroethane	4.91	64	137729	19.91	ppbV		100
10) Ethanol	5.13	45	84911	23.58	ppbV		99
11) Bromoethene	5.25	106	80464	20.73	ppbV		99
12) Acetone	5.52	43	326263	20.12	ppbV		100
13) Trichlorofluoromethane	5.65	101	449729	19.05	ppbV		100
14) Isopropyl alcohol	5.82	45	442323	22.03	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	389471	20.24	ppbV		99
16) Butyl_Alcohol,_tert	6.40	59	185828	21.25	ppbV		100
17) Methylene_chloride	6.41	49	279502	19.58	ppbV		100
18) Chloropropene,_3-	6.53	76	31460	20.53	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	532883	20.23	ppbV		100
20) Carbon_disulfide	6.71	76	689010	19.99	ppbV		100
21) Dichloroethylene,_trans-1,	7.35	61	365583	20.45	ppbV		100
22) Dichloroethane, 1,1-	7.57	63	468894	20.00	ppbV		100
23) Methyl-t-butyl_ether	7.62	73	715055	20.04	ppbV		100
24) Vinyl acetate	7.62	43	164413	20.51	ppbV	#	99
25) Methyl_ethyl_ketone	7.99	43	490281	21.19	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.43	61	345073	20.10	ppbV		99
27) Hexane	8.63	57	455608	20.60	ppbV		100
28) Ethyl acetate	8.67	61	86822	21.28	ppbV		100
29) Chloroform	8.76	83	509984	20.45	ppbV		99
31) Tetrahydrofuran	9.17	42	297257	20.35	ppbV		99
32) Dichloroethane,_1,2-	9.55	62	342706	20.12	ppbV		100
33) Trichloroethane,_1,1,1-	9.81	97	506010	19.73	ppbV		99
34) Benzene	10.32	78	859149	19.93	ppbV		100
35) Carbon_tetrachloride	10.47	117	450295	20.43	ppbV		99
36) Cyclohexane	10.61	56	438002	19.55	ppbV		99
37) Dichloropropane,_1,2-	11.24	63	299313	19.60	ppbV		100
38) Bromodichloromethane	11.47	83	631365	20.32	ppbV		100
39) Dioxane, 1,4-	11.50	88	234635	20.82	ppbV		98
40) Trichloroethylene	11.51	130	467995	19.92	ppbV		99
41) Trimethylpentane,_2,2,4-	11.52	57	629460	20.19	ppbV		100
42) Heptane	11.83	43	549262	20.25	ppbV		100
43) Dichloropropene,_cis-1,3-	12.52	75	509627	20.32	ppbV		100
44) Methyl_isobutyl_ketone	12.55	43	621920	20.86	ppbV		100
45) Dichloropropene,_trans-1,3	13.16	75	487088	20.27	ppbV		99

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std03.D
Acq On : 08 Dec 2006 12:41
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 10:06:56 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:06:39 2006
Response via : Initial Calibration

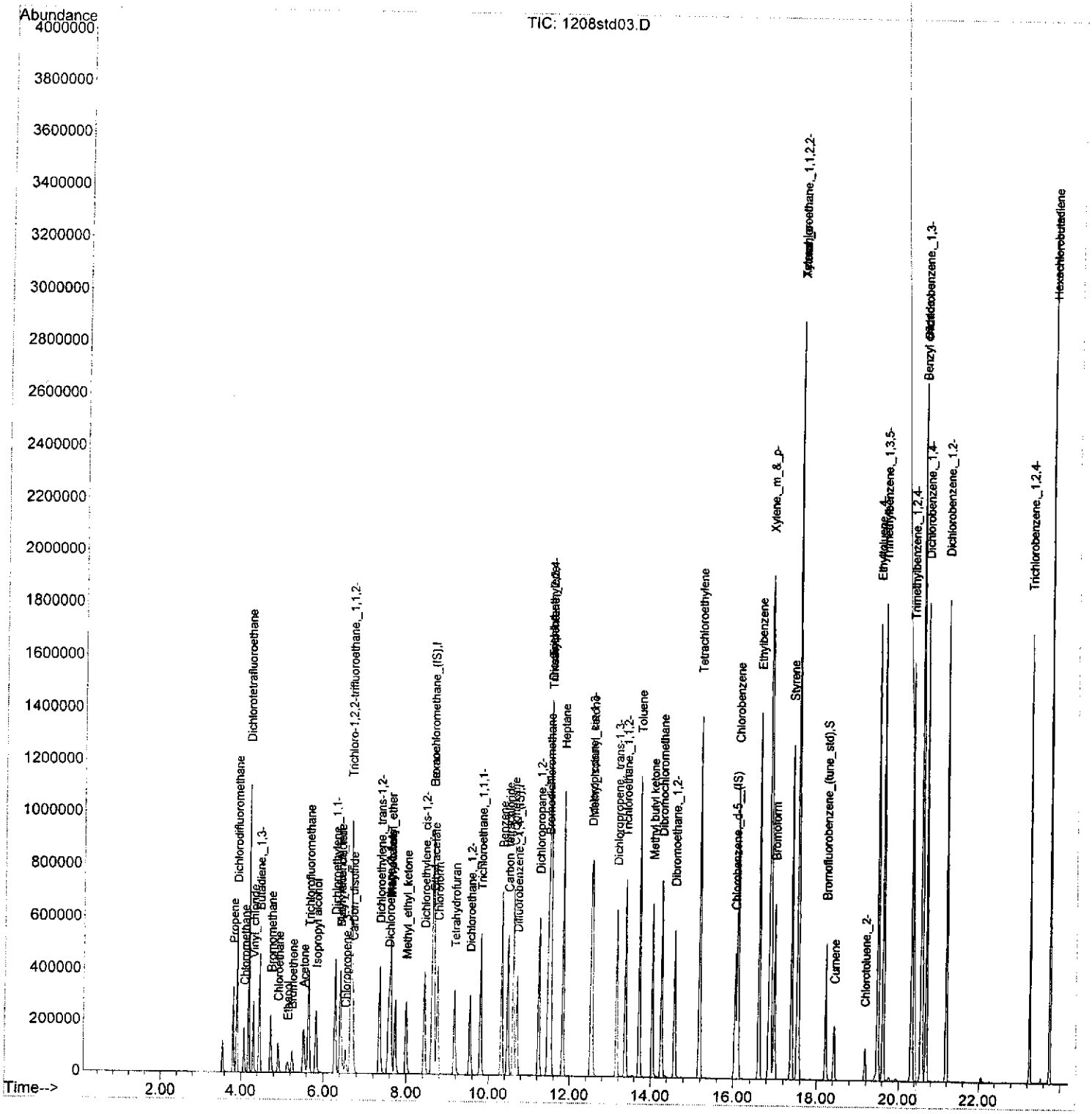
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	330924	19.48	ppbV	99
48) Toluene	13.72	91	1090511	19.89	ppbV	99
49) Methyl butyl ketone	14.04	43	582244	22.01	ppbV	98
50) Dibromochloromethane	14.26	129	562341	20.22	ppbV	100
51) Dibromoethane,_1,2-	14.58	107	543247	19.96	ppbV	100
52) Tetrachloroethylene	15.17	166	568467	19.91	ppbV	100
53) Chlorobenzene	16.09	112	860613	20.19	ppbV	100
54) Ethylbenzene	16.61	91	1357478	20.59	ppbV	99
55) Xylene,_m_&_p-	16.88	91	2300586	21.15	ppbV	99
56) Bromoform	16.98	93	128527	12.28	ppbV	100
57) Styrene	17.38	104	867519	20.54	ppbV	99
58) Tetrachloroethane,_1,1,2,2	17.53	83	996990	22.44	ppbV	99
59) Xylene,_o-	17.54	91	1307723	21.61	ppbV	99
61) Cumene	18.42	105	198563	19.95	ppbV	100
62) Chlorotoluene,_2-	19.17	91	102881	19.85	ppbV	100
63) Ethyltoluene,_4-	19.48	105	1486450	20.97	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.61	105	1328925	21.17	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.31	105	1257235	20.91	ppbV	100
66) Benzyl chloride	20.55	91	1304619	22.60	ppbV	99
67) Dichlorobenzene,_1,3-	20.56	146	1031589	21.68	ppbV	99
68) Dichlorobenzene,_1,4-	20.67	146	928812	21.15	ppbV	99
69) Dichlorobenzene,_1,2-	21.17	146	827205	21.07	ppbV	99
70) Trichlorobenzene,_1,2,4-	23.25	180	449661	18.54	ppbV	99
71) Hexachlorobutadiene	23.74	190	186257	19.60	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std03.D
Acq On : 08 Dec 2006 12:41
Operator : .
Sample : 20 ppbv Std.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 11 10:06:56 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:06:39 2006
Response via : Initial Calibration



Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std04.D
Acq On : 08 Dec 06 17:20
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:07:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:07:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	105572	10.00	ppbV		0.02
30) Difluorobenzene,_1,4-_(IS)	10.70	114	392634	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.04	117	384630	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	270297	9.78	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 97.80%				
Target Compounds							Qvalue
2) Propene	3.79	41	249239	25.14	ppbV		99
3) Dichlorodifluoromethane	3.89	85	666045	25.09	ppbV		99
4) Chloromethane	4.07	50	283552	25.01	ppbV		100
5) Dichlorotetrafluoroethane	4.19	85	809794	24.80	ppbV		100
6) Vinyl_chloride	4.30	62	439103	25.52	ppbV		100
7) Butadiene,_1,3-	4.45	54	345464	26.58	ppbV		99
8) Bromomethane	4.73	94	275155	26.69	ppbV		100
9) Chloroethane	4.90	64	192436	26.03	ppbV		100
10) Ethanol	5.14	45	116028	30.15	ppbV		99
11) Bromoethene	5.25	106	109160	26.32	ppbV		100
12) Acetone	5.53	43	434801	25.09	ppbV		99
13) Trichlorofluoromethane	5.65	101	574605	22.77	ppbV		100
14) Isopropyl alcohol	5.84	45	614620	28.64	ppbV		100
15) Dichloroethylene,_1,1-	6.29	61	532212	25.88	ppbV		99
16) Butyl_Alcohol,_tert	6.41	59	264080	28.27	ppbV		100
17) Methylene_chloride	6.42	49	388850	25.49	ppbV		99
18) Chloropropene,_3-	6.54	76	38316	23.40	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	829693	29.48	ppbV		99
20) Carbon_disulfide	6.71	76	1028883	27.93	ppbV		100
21) Dichloroethylene,_trans-1,	7.35	61	510765	26.74	ppbV		98
22) Dichloroethane, 1,1-	7.58	63	670913	26.77	ppbV		100
23) Methyl-t-butyl_ether	7.62	73	1014000	26.60	ppbV		100
24) Vinyl acetate	7.62	43	216791	25.31	ppbV	#	99
25) Methyl_ethyl_ketone	8.00	43	695409	28.13	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.44	61	484370	26.40	ppbV		99
27) Hexane	8.64	57	653926	27.67	ppbV		98
28) Ethyl acetate	8.67	61	129484	29.70	ppbV		99
29) Chloroform	8.76	83	710375	26.66	ppbV		100
31) Tetrahydrofuran	9.17	42	409355	29.72	ppbV		100
32) Dichloroethane,_1,2-	9.55	62	455996	28.40	ppbV		99
33) Trichloroethane,_1,1,1-	9.81	97	715740	29.60	ppbV		99
34) Benzene	10.33	78	1215121	29.89	ppbV		99
35) Carbon_tetrachloride	10.48	117	617823	29.72	ppbV		100
36) Cyclohexane	10.61	56	628735	29.76	ppbV		98
37) Dichloropropane,_1,2-	11.24	63	442344	30.72	ppbV		99
38) Bromodichloromethane	11.47	83	929663	31.74	ppbV		99
39) Dioxane, 1,4-	11.50	88	391764	36.86	ppbV		96
40) Trichloroethylene	11.51	130	780924	35.24	ppbV		99
41) Trimethylpentane,_2,2,4-	11.53	57	942919	32.08	ppbV		99
42) Heptane	11.84	43	775291	30.32	ppbV		99
43) Dichloropropene,_cis-1,3-	12.53	75	763945	32.30	ppbV		100
44) Methyl_isobutyl_ketone	12.55	43	919177	32.69	ppbV		100
45) Dichloropropene,_trans-1,3	13.16	75	712444	31.44	ppbV		98

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std04.D
Acq On : 08 Dec 06 17:20
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

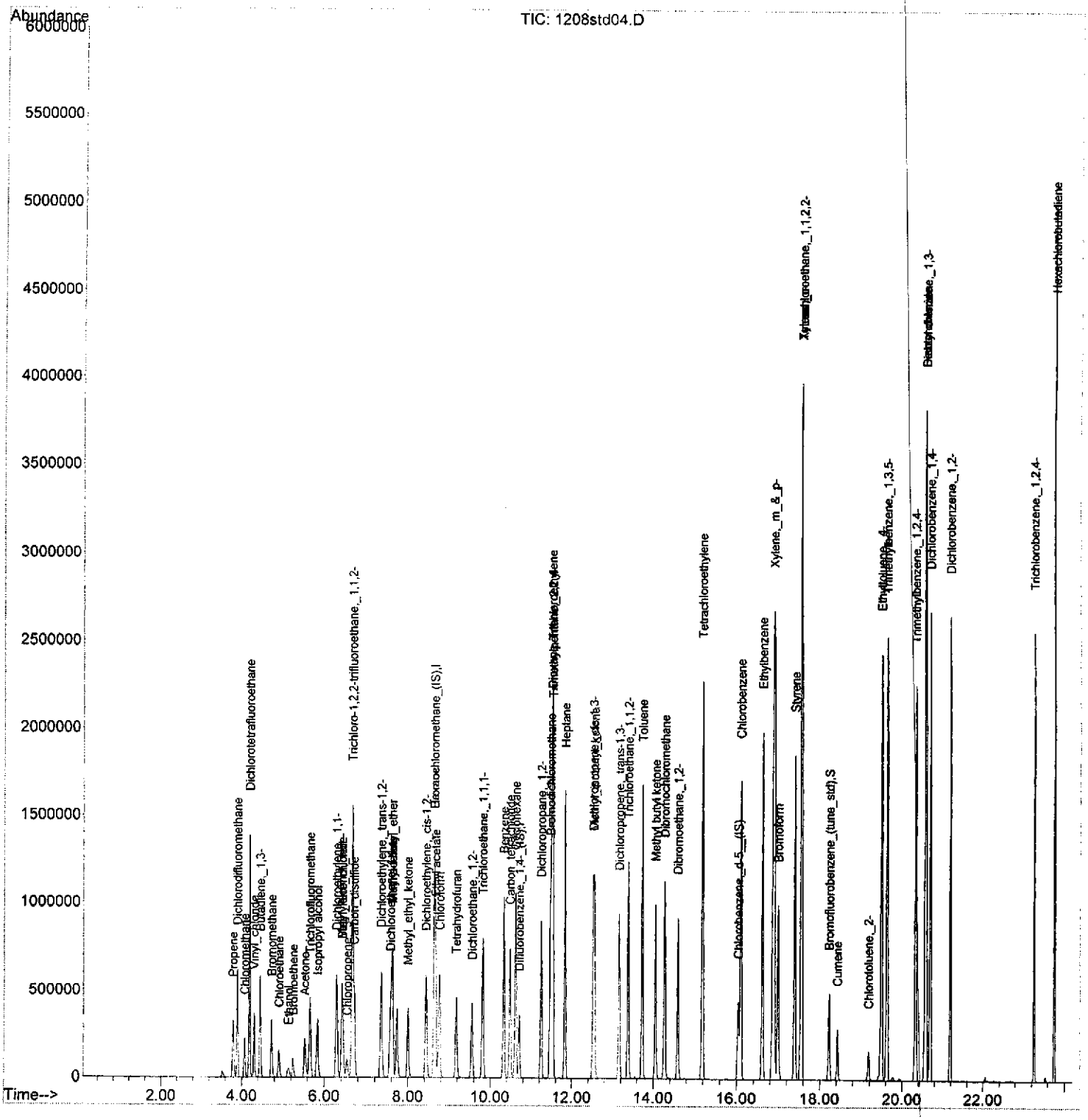
Quant Time: Dec 11 10:07:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:07:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	522526	32.61	ppbV		99
48) Toluene	13.73	91	1589796	30.40	ppbV		100
49) Methyl butyl ketone	14.04	43	843352	33.43	ppbV		100
50) Dibromochloromethane	14.26	129	863290	32.55	ppbV		100
51) Dibromoethane,_1,2-	14.59	107	854601	32.92	ppbV		100
52) Tetrachloroethylene	15.18	166	944243	34.68	ppbV		100
53) Chlorobenzene	16.10	112	1298061	31.93	ppbV		99
54) Ethylbenzene	16.61	91	1884811	29.98	ppbV		98
55) Xylene,_m_&_p-	16.89	91	3119507	30.07	ppbV		96
56) Bromoform	16.99	93	182569	18.35	ppbV		100
57) Styrene	17.39	104	1270572	31.55	ppbV		98
58) Tetrachloroethane,_1,1,2,2	17.54	83	1423187	33.59	ppbV		98
59) Xylene,_o-	17.55	91	1823497	31.59	ppbV		97
61) Cumene	18.42	105	273853	28.85	ppbV		100
62) Chlorotoluene,_2-	19.17	91	139388	28.20	ppbV		100
63) Ethyltoluene,_4-	19.48	105	2055567	30.41	ppbV	#	97
64) Trimethylbenzene,_1,3,5-	19.62	105	1824841	30.49	ppbV		97
65) Trimethylbenzene,_1,2,4-	20.32	105	1777730	31.01	ppbV		98
66) Benzyl chloride	20.56	91	1772721	32.20	ppbV	#	97
67) Dichlorobenzene,_1,3-	20.57	146	1538327	33.90	ppbV		98
68) Dichlorobenzene,_1,4-	20.68	146	1374772	32.83	ppbV		98
69) Dichlorobenzene,_1,2-	21.18	146	1229691	32.85	ppbV		98
70) Trichlorobenzene,_1,2,4-	23.25	180	720044	31.13	ppbV		98
71) Hexachlorobutadiene	23.75	190	383451	42.09	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std04.D
Acq On : 08 Dec 06 17:20
Operator : .
Sample : 30 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:07:57 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:07:42 2006
Response via : Initial Calibration



Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std05.D
Acq On : 08 Dec 06 18:01
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:08:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:08:23 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.64	130	109132	10.00	ppbV		0.03
30) Difluorobenzene,_1,4-_(IS)	10.71	114	384265	10.00	ppbV		0.01
47) Chlorobenzene,_d-5__(IS)	16.04	117	369926	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	255672	9.62	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 96.20%				
Target Compounds							Qvalue
2) Propene	3.81	41	333430	32.53	ppbV		99
3) Dichlorodifluoromethane	3.91	85	843284	30.73	ppbV		99
4) Chloromethane	4.09	50	368709	31.47	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	1009188	29.90	ppbV		99
6) Vinyl_chloride	4.32	62	613589	34.50	ppbV		100
7) Butadiene,_1,3-	4.46	54	452159	33.65	ppbV		97
8) Bromomethane	4.74	94	364576	34.21	ppbV		100
9) Chloroethane	4.93	64	256373	33.55	ppbV		100
10) Ethanol	5.15	45	145176	36.50	ppbV		99
11) Bromoethene	5.26	106	148008	34.52	ppbV		99
12) Acetone	5.55	43	527877	29.47	ppbV	#	84
13) Trichlorofluoromethane	5.67	101	712198	27.30	ppbV		100
14) Isopropyl alcohol	5.85	45	784427	35.37	ppbV		100
15) Dichloroethylene,_1,1-	6.30	61	687529	32.34	ppbV		98
16) Butyl_Alcohol,_tert	6.43	59	347662	36.00	ppbV		100
17) Methylene_chloride	6.43	49	511456	32.43	ppbV		98
18) Chloropropene,_3-	6.55	76	47248	27.91	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.67	101	1125450	38.68	ppbV		98
20) Carbon_disulfide	6.72	76	1383832	36.35	ppbV		100
21) Dichloroethylene,_trans-1,	7.36	61	666812	33.77	ppbV		97
22) Dichloroethane, 1,1-	7.59	63	871947	33.66	ppbV		100
23) Methyl-t-butyl_ether	7.63	73	1326766	33.67	ppbV		99
24) Vinyl acetate	7.63	43	275774	31.15	ppbV	#	99
25) Methyl_ethyl_ketone	8.01	43	880500	34.45	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.45	61	638548	33.67	ppbV		98
27) Hexane	8.64	57	864853	35.40	ppbV		98
28) Ethyl acetate	8.68	61	178766	39.66	ppbV		97
29) Chloroform	8.77	83	916191	33.27	ppbV		100
31) Tetrahydrofuran	9.18	42	526315	39.05	ppbV		100
32) Dichloroethane,_1,2-	9.56	62	585226	37.24	ppbV		98
33) Trichloroethane,_1,1,1-	9.81	97	938605	39.66	ppbV		99
34) Benzene	10.33	78	1528728	38.42	ppbV		98
35) Carbon_tetrachloride	10.49	117	775584	38.12	ppbV		100
36) Cyclohexane	10.62	56	844194	40.82	ppbV		98
37) Dichloropropane,_1,2-	11.25	63	592387	42.04	ppbV		99
38) Bromodichloromethane	11.48	83	1207650	42.12	ppbV		99
39) Dioxane, 1,4-	11.50	88	540522	51.96	ppbV		94
40) Trichloroethylene	11.51	130	1084961	50.03	ppbV		100
41) Trimethylpentane,_2,2,4-	11.54	57	1226359	42.63	ppbV		99
42) Heptane	11.84	43	1012232	40.44	ppbV		98
43) Dichloropropene,_cis-1,3-	12.53	75	998090	43.12	ppbV		100
44) Methyl_isobutyl_ketone	12.56	43	1166851	42.41	ppbV		99
45) Dichloropropene,_trans-1,3	13.16	75	910418	41.05	ppbV		98

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std05.D
Acq On : 08 Dec 06 18:01
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:08:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:08:23 2006
Response via : Initial Calibration

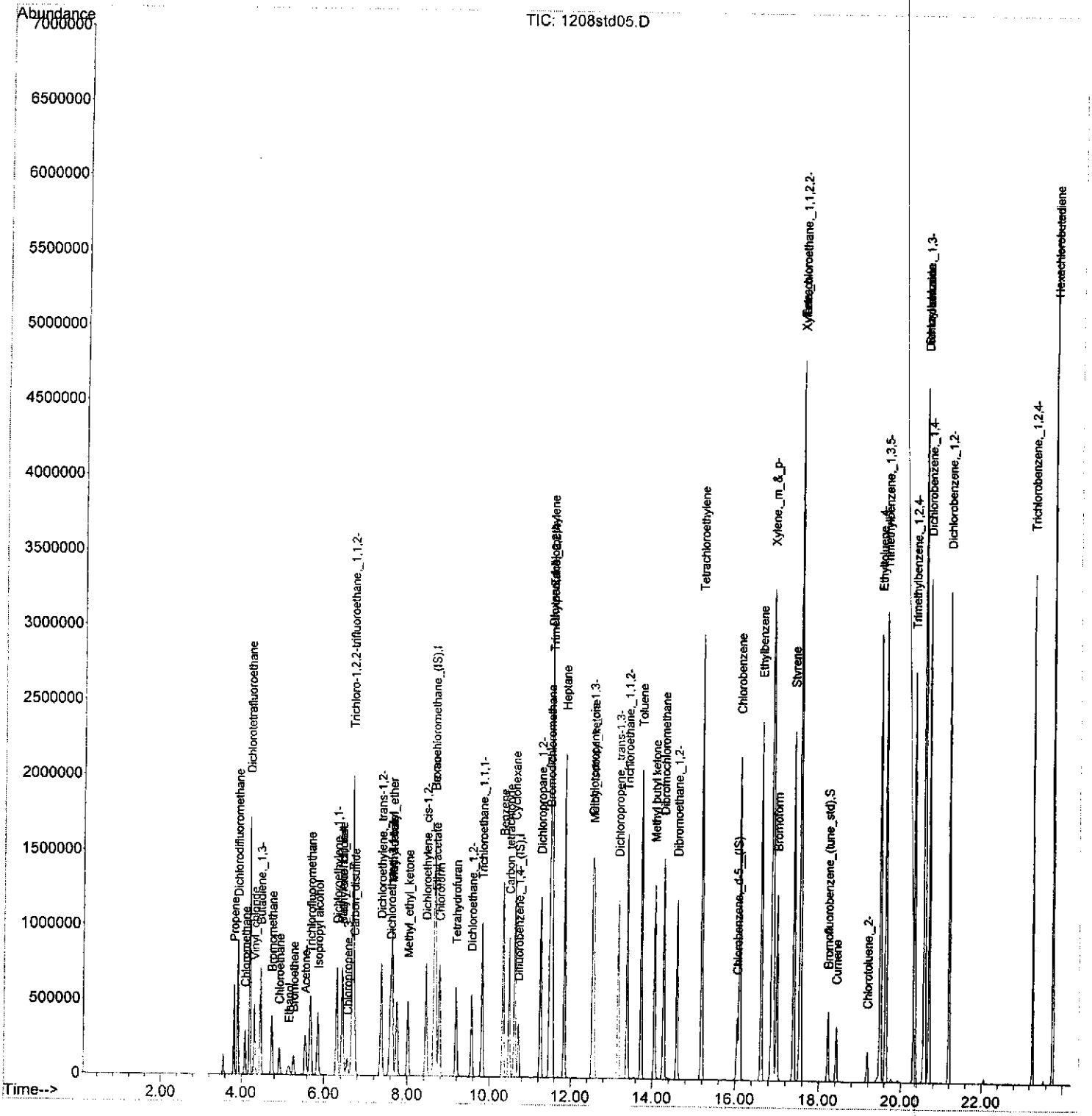
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.39	97	696464	44.41	ppbV		100
48) Toluene	13.73	91	1942146	38.61	ppbV		99
49) Methyl butyl ketone	14.05	43	1078132	44.44	ppbV		100
50) Dibromochloromethane	14.27	129	1134199	44.46	ppbV		99
51) Dibromoethane,_1,2-	14.59	107	1123520	44.99	ppbV		100
52) Tetrachloroethylene	15.18	166	1253144	47.85	ppbV		99
53) Chlorobenzene	16.10	112	1651779	42.25	ppbV		100
54) Ethylbenzene	16.61	91	2262619	37.42	ppbV	#	96
55) Xylene,_m_&_p-	16.89	91	3667871	36.76	ppbV	#	95
56) Bromoform	16.99	93	230262	30.05	ppbV		100
57) Styrene	17.39	104	1602010	41.36	ppbV		96
58) Tetrachloroethane,_1,1,2,2	17.55	83	1728075	42.40	ppbV		97
59) Xylene,_o-	17.56	91	2201745	39.66	ppbV		95
61) Cumene	18.42	105	343508	37.63	ppbV		100
62) Chlorotoluene,_2-	19.17	91	172658	36.32	ppbV		100
63) Ethyltoluene,_4-	19.49	105	2492205	38.33	ppbV	#	96
64) Trimethylbenzene,_1,3,5-	19.62	105	2232767	38.78	ppbV		96
65) Trimethylbenzene,_1,2,4-	20.32	105	2186963	39.66	ppbV		97
66) Benzyl chloride	20.56	91	2132147	40.27	ppbV	#	96
67) Dichlorobenzene,_1,3-	20.57	146	1934906	44.34	ppbV		97
68) Dichlorobenzene,_1,4-	20.69	146	1717660	42.65	ppbV		97
69) Dichlorobenzene,_1,2-	21.18	146	1531066	42.52	ppbV		97
70) Trichlorobenzene,_1,2,4-	23.25	180	981009	44.09	ppbV		96
71) Hexachlorobutadiene	23.75	190	497381	48.64	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208std05.D
Acq On : 08 Dec 06 18:01
Operator : .
Sample : 40 ppbv Std.
Misc : .
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:08:38 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Mon Dec 11 10:08:23 2006
Response via : Initial Calibration



Continuing Calibration Report

File Name	Level ID	Date Time
1031DCS	10 PPBV	10/31/06

Runs with this DCS:

10 PPBV LCS [1031LCS01]; 10 PPBV LCS [1031LCS02]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]; METHOD BLANK [1031BLK]

Compound Name	AVG. RF	Chk Std RF	% Difference	Pass/Fail
Bromochloromethane	1.000	1.000	63	PASS
Propene	0.836	0.926	67	PASS
Dichlorodifluoromethane	2.268	2.478	64	PASS
Chloromethane	0.999	1.039	63	PASS
Dichlorotetrafluoroethane	2.737	2.956	59	PASS
Vinyl chloride	1.400	1.718	76	PASS
1,3-Butadiene	1.210	1.413	69	PASS
Bromomethane	1.025	0.792	47	PASS
Chloroethane	0.683	0.585	51	PASS
Ethanol	0.371	0.366	51	PASS
Bromoethene	0.421	0.341	48	PASS
Acetone	1.426	1.568	62	PASS
Trichlorofluoromethane	2.277	2.300	53	PASS
1,1-Dichloroethylene	1.848	1.958	63	PASS
tert-Butyl alcohol	0.899	0.954	60	PASS
Methylene chloride	1.377	1.420	64	PASS
3-Chloropropene	0.169	0.140	42	PASS
1,1,2-Trichloro-1,2,2-trifluoroethane	2.715	2.801	63	PASS
Carbon disulfide	3.613	3.269	53	PASS
trans-1,2-Dichloroethylene	1.780	1.825	61	PASS
Methyl-t-butyl ether	3.533	3.649	60	PASS
Methyl ethyl ketone	2.171	2.630	67	PASS
cis-1,2-Dichloroethylene	1.699	1.878	66	PASS
Hexane	2.188	2.525	69	PASS
Chloroform	2.485	2.771	65	PASS
Tetrahydrofuran	0.336	0.350	67	PASS
Difluorobenzene,_1,4	1.000	1.000	65	PASS
1,2-Dichloroethane	0.397	0.440	72	PASS
1,1,1-Trichloroethane	0.637	0.650	68	PASS
Benzene	1.017	1.060	63	PASS
Cyclohexane	0.536	0.531	67	PASS
1,2-Dichloropropane	0.370	0.371	68	PASS
Bromodichloromethane	0.738	0.794	73	PASS
Trichloroethylene	0.597	0.539	67	PASS
2,2,4-Trimethylpentane	0.730	0.749	70	PASS
Heptane	0.596	0.679	76	PASS
cis-1,3-Dichloropropene	0.615	0.639	68	PASS
Methyl isobutyl ketone	0.655	0.842	81	PASS
trans-1,3-Dichloropropene	0.589	0.647	71	PASS
1,1,2-Trichloroethane	0.434	0.431	68	PASS
Chlorobenzene,_d-5	1.000	1.000	71	PASS
Toluene	1.308	1.398	69	PASS
Dibromochloromethane	0.741	0.712	69	PASS
1,2-Dibromoethane	0.714	0.689	69	PASS
Tetrachloroethylene	0.764	0.675	66	PASS
Chlorobenzene	1.088	1.125	69	PASS
Ethylbenzene	1.553	1.841	74	PASS
m or p-Xylene	2.476	3.066	75	PASS
Bromoform	0.427	0.370	67	PASS
Styrene	1.082	1.197	71	PASS
1,1,2,2-Tetrachloroethane	1.047	1.166	73	PASS
o-Xylene	1.423	1.673	76	PASS
Bromofluorobenzene	0.705	0.760	76	PASS
Cumene	0.260	0.270	71	PASS
2-Chlorotoluene	0.127	0.139	75	PASS
4-Ethyltoluene	1.603	2.035	75	PASS
1,3,5-Trimethylbenzene	1.500	1.819	76	PASS
1,2,4-Trimethylbenzene	1.456	1.763	75	PASS
1,3-Dichlorobenzene	1.172	1.280	74	PASS
1,4-Dichlorobenzene	1.083	1.247	74	PASS
1,2-Dichlorobenzene	0.972	1.124	75	PASS
1,2,4-Trichlorobenzene	0.688	0.731	73	PASS
Hexachlorobutadiene	0.675	0.789	80	PASS

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031dcs.D
Acq On : 31 Oct 2006 08:44
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 10:15:44 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	63	0.00
2		Propene	0.836	0.926	-10.8	67	0.00
3		Dichlorodifluoromethane	2.268	2.478	-9.3	64	0.00
4		Chloromethane	0.999	1.039	-4.0	63	0.00
5		Dichlorotetrafluoroethane	2.737	2.956	-8.0	59	0.00
6		Vinyl_chloride	1.400	1.718	-22.7	76	0.00
7		Butadiene,_1,3-	1.210	1.413	-16.8	69	0.00
8		Bromomethane	1.025	0.792	22.7	47	0.00
9		Chloroethane	0.683	0.585	14.3	51	0.00
10		Ethanol	0.371	0.366	1.3	51	0.00
11		Bromoethene	0.421	0.341	19.0	48	0.00
12		Acetone	1.426	1.568	-10.0	62	0.00
13		Trichlorofluoromethane	2.277	2.300	-1.0	53	0.00
14		Isopropyl alcohol	1.935	2.095	-8.3	60	0.00
15		Dichloroethylene,_1,1-	1.848	1.958	-6.0	63	0.00
16		Butyl_Alcohol,_tert	0.899	0.954	-6.1	60	0.00
17		Methylene_chloride	1.377	1.420	-3.1	64	0.00
18		Chloropropene,_3-	0.169	0.140	17.2	42	0.00
19		Trichloro-1,2,2-trifluoroet	2.715	2.801	-3.2	63	0.00
20		Carbon_disulfide	3.613	3.269	9.5	53	0.00
21		Dichloroethylene,_trans-1,2	1.780	1.825	-2.5	61	0.00
22		Dichloroethane, 1,1-	2.271	2.330	-2.6	60	0.00
23		Methyl-t-butyl_ether	3.533	3.649	-3.3	60	0.00
24		Vinyl acetate	0.741	0.907	-22.4	75	0.00
25		Methyl_ethyl_ketone	2.171	2.630	-21.1	67	0.00
26		Dichloroethylene,_cis-1,2-	1.699	1.878	-10.5	66	0.00
27		Hexane	2.188	2.525	-15.4	69	0.00
28		Ethyl acetate	0.423	0.465	-9.9	64	0.00
29		Chloroform	2.485	2.771	-11.5	65	0.00
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	65	0.00
31		Tetrahydrofuran	0.336	0.350	-4.2	67	0.00
32		Dichloroethane,_1,2-	0.397	0.440	-10.8	72	0.00
33		Trichloroethane,_1,1,1-	0.637	0.650	-2.0	68	0.00
34		Benzene	1.017	1.060	-4.2	63	0.00
35		Carbon_tetrachloride	0.582	0.596	-2.4	67	0.00
36		Cyclohexane	0.536	0.531	0.9	67	0.00
37		Dichloropropane,_1,2-	0.370	0.371	-0.3	68	0.00
38		Bromodichloromethane	0.738	0.794	-7.6	73	0.00
39		Dioxane, 1,4-	0.295	0.281	4.7	71	0.00
40		Trichloroethylene	0.597	0.539	9.7	67	0.00
41		Trimethylpentane,_2,2,4-	0.730	0.749	-2.6	70	0.00
42		Heptane	0.596	0.679	-13.9	76	0.00
43		Dichloropropene,_cis-1,3-	0.615	0.639	-3.9	68	0.00
44		Methyl_isobutyl_ketone	0.655	0.842	-28.5	81	0.00
45		Dichloropropene,_trans-1,3-	0.589	0.647	-9.8	71	0.00
46		Trichloroethane,_1,1,2-	0.434	0.431	0.7	68	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031dcs.D
Acq On : 31 Oct 2006 08:44
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 10:15:44 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	71	0.00
48		Toluene	1.308	1.398	-6.9	69	0.00
49		Methyl butyl ketone	0.646	0.827	-28.0	84	0.00
50		Dibromochloromethane	0.741	0.712	3.9	69	0.00
51		Dibromoethane,_1,2-	0.714	0.689	3.5	69	0.00
52		Tetrachloroethylene	0.764	0.675	11.6	66	0.00
53		Chlorobenzene	1.088	1.125	-3.4	69	0.00
54		Ethylbenzene	1.553	1.841	-18.5	74	0.00
55		Xylene,_m_&_p-	2.476	3.066	-23.8	75	0.00
56		Bromoform	0.427	0.370	13.3	67	0.00
57		Styrene	1.082	1.197	-10.6	71	0.00
58		Tetrachloroethane,_1,1,2,2-	1.047	1.166	-11.4	73	0.00
59		Xylene,_o-	1.423	1.673	-17.6	76	0.00
60	S	Bromofluorobenzene_(tune_st	0.705	0.760	-7.8	76	0.00
61		Cumene	0.260	0.270	-3.8	71	0.00
62		Chlorotoluene,_2-	0.127	0.139	-9.4	75	0.00
63		Ethyltoluene,_4-	1.603	2.035	-26.9	75	0.00
64		Trimethylbenzene,_1,3,5-	1.500	1.819	-21.3	76	0.00
65		Trimethylbenzene,_1,2,4-	1.456	1.763	-21.1	75	0.00
66		Benzyl chloride	1.373	1.765	-28.6	79	0.00
67		Dichlorobenzene,_1,3-	1.172	1.280	-9.2	74	0.00
68		Dichlorobenzene,_1,4-	1.083	1.247	-15.1	74	0.00
69		Dichlorobenzene,_1,2-	0.972	1.124	-15.6	75	0.00
70		Trichlorobenzene,_1,2,4-	0.688	0.731	-6.3	73	0.00
71		Hexachlorobutadiene	0.675	0.789	-16.9	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031dcs.D
Acq On : 31 Oct 2006 08:44
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 10:15:44 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	99349	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.71	114	456668	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	453219	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	344286	10.77	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.70%			
Target Compounds						Qvalue
2) Propene	3.83	41	91988	11.08	ppbV	100
3) Dichlorodifluoromethane	3.91	85	246142	10.93	ppbV	100
4) Chloromethane	4.09	50	103179	10.39	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	293667	10.80	ppbV	99
6) Vinyl_chloride	4.32	62	170665	12.27	ppbV	100
7) Butadiene,_1,3-	4.45	54	140396	11.68	ppbV	97
8) Bromomethane	4.73	94	78665	7.72	ppbV	97
9) Chloroethane	4.91	64	58071	8.56	ppbV	100
10) Ethanol	5.14	45	36355	9.88	ppbV	96
11) Bromoethene	5.26	106	33857	8.10	ppbV	98
12) Acetone	5.54	43	155749	10.99	ppbV	97
13) Trichlorofluoromethane	5.66	101	228501	10.10	ppbV	98
14) Isopropyl alcohol	5.84	45	208172	10.83	ppbV #	95
15) Dichloroethylene,_1,1-	6.29	61	194502	10.59	ppbV	96
16) Butyl_Alcohol,_tert	6.42	59	94755	10.61	ppbV	100
17) Methylene_chloride	6.42	49	141071	10.31	ppbV	95
18) Chloropropene,_3-	6.54	76	13911	8.30	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.67	101	278262	10.31	ppbV	99
20) Carbon_disulfide	6.72	76	324788	9.05	ppbV #	98
21) Dichloroethylene,_trans-1,	7.36	61	181263	10.25	ppbV	99
22) Dichloroethane, 1,1-	7.58	63	231516	10.26	ppbV	100
23) Methyl-t-butyl_ether	7.63	73	362484	10.33	ppbV	100
24) Vinyl acetate	7.63	43	90093	12.23	ppbV #	99
25) Methyl_ethyl_ketone	8.00	43	261262	12.11	ppbV	98
26) Dichloroethylene,_cis-1,2-	8.44	61	186537	11.05	ppbV	99
27) Hexane	8.64	57	250879	11.54	ppbV	94
28) Ethyl acetate	8.67	61	46163	11.00	ppbV	98
29) Chloroform	8.76	83	275321	11.15	ppbV	99
31) Tetrahydrofuran	9.17	42	159779	10.43	ppbV #	85
32) Dichloroethane,_1,2-	9.55	62	200961	11.08	ppbV #	80
33) Trichloroethane,_1,1,1-	9.81	97	296906	10.20	ppbV	97
34) Benzene	10.33	78	483901	10.42	ppbV	99
35) Carbon_tetrachloride	10.48	117	272196	10.24	ppbV	100
36) Cyclohexane	10.62	56	242490	9.90	ppbV	98
37) Dichloropropane,_1,2-	11.24	63	169216	10.02	ppbV #	94
38) Bromodichloromethane	11.47	83	362472	10.75	ppbV	99
39) Dioxane, 1,4-	11.50	88	128208	9.52	ppbV	99
40) Trichloroethylene	11.52	130	246317	9.03	ppbV	94
41) Trimethylpentane,_2,2,4-	11.53	57	341918	10.26	ppbV	96
42) Heptane	11.84	43	309873	11.38	ppbV	98
43) Dichloropropene,_cis-1,3-	12.53	75	291671	10.38	ppbV	99
44) Methyl_isobutyl_ketone	12.55	43	384328	12.86	ppbV	98
45) Dichloropropene,_trans-1,3	13.16	75	295573	11.00	ppbV #	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031dcs.D
Acq On : 31 Oct 2006 08:44
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 10:15:44 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

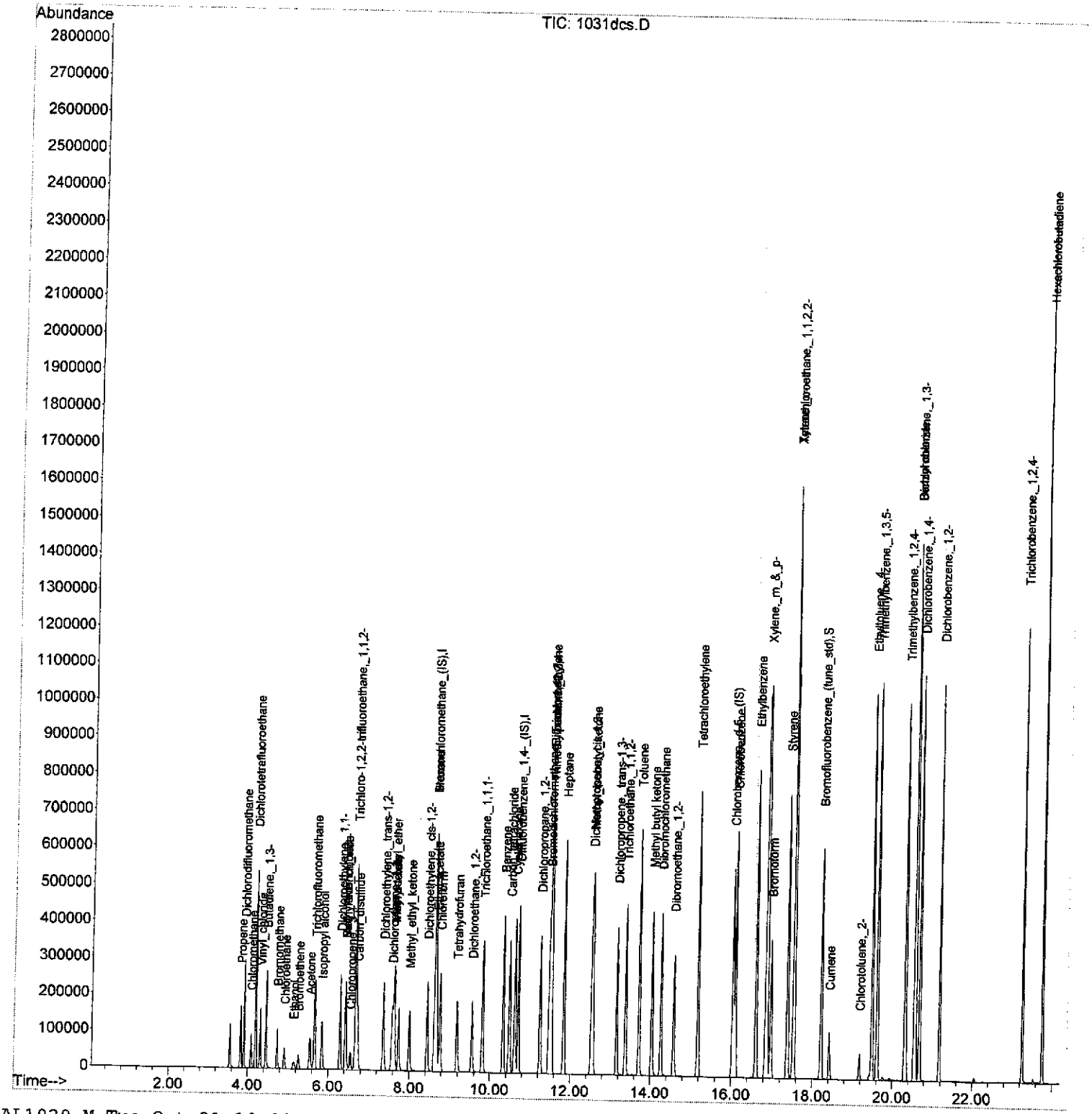
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	196742	9.93	ppbV	97
48) Toluene	13.73	91	633716	10.69	ppbV	100
49) Methyl butyl ketone	14.04	43	374922	12.80	ppbV	96
50) Dibromochloromethane	14.27	129	322726	9.61	ppbV	96
51) Dibromoethane,_1,2-	14.58	107	312138	9.64	ppbV	98
52) Tetrachloroethylene	15.18	166	305937	8.84	ppbV	94
53) Chlorobenzene	16.09	112	509666	10.33	ppbV	100
54) Ethylbenzene	16.62	91	834292	11.85	ppbV	99
55) Xylene,_m_&_p-	16.88	91	1389517	12.38	ppbV	100
56) Bromoform	16.98	171	167524	8.66	ppbV #	93
57) Styrene	17.39	104	542711	11.07	ppbV #	70
58) Tetrachloroethane,_1,1,2,2	17.54	83	528598	11.14	ppbV	97
59) Xylene,_o-	17.54	91	758097	11.76	ppbV	99
61) Cumene	18.42	105	122581	10.42	ppbV #	98
62) Chlorotoluene,_2-	19.18	91	62860	10.95	ppbV	99
63) Ethyltoluene,_4-	19.47	105	922330	12.69	ppbV	100
64) Trimethylbenzene,_1,3,5-	19.61	105	824604	12.13	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.32	105	799113	12.11	ppbV	99
66) Benzyl chloride	20.55	91	800140	12.86	ppbV	99
67) Dichlorobenzene,_1,3-	20.57	146	580344	10.93	ppbV	97
68) Dichlorobenzene,_1,4-	20.68	146	565214	11.51	ppbV	98
69) Dichlorobenzene,_1,2-	21.18	146	509245	11.56	ppbV	97
70) Trichlorobenzene,_1,2,4-	23.25	180	331147	10.62	ppbV	93
71) Hexachlorobutadiene	23.75	225	357539	11.69	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031dcs.D
Acq On : 31 Oct 2006 08:44
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 10:15:44 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 10:22:58 2006 S1

Continuing Calibration Report

File Name	Level ID	Date Time
1107DCS	10 PPBV	11/7/06

Runs with this DCS:

10 PPBV LCS [1107LCS01]; 10 PPBV LCS [1107LCS02]; 3044 [110719]; BFB [1107BFB]; METHOD BLANK [1107BLK]

Compound Name	AVG. RF	Chk Std RF	% Difference	Pass/Fail
Bromochloromethane	1.000	1.000	102	PASS
Propene	0.764	0.881	116	PASS
Dichlorodifluoromethane	2.088	2.445	117	PASS
Chloromethane	0.890	1.044	117	PASS
Dichlorotetrafluoroethane	2.548	2.847	107	PASS
Vinyl chloride	1.250	1.393	111	PASS
1,3-Butadiene	1.014	1.281	115	PASS
Bromomethane	0.832	0.935	110	PASS
Chloroethane	0.594	0.666	110	PASS
Ethanol	0.338	0.412	114	PASS
Bromoethene	0.416	0.480	110	PASS
Acetone	1.280	1.600	117	PASS
Trichlorofluoromethane	2.084	2.568	109	PASS
1,1-Dichloroethylene	1.625	1.895	115	PASS
tert-Butyl alcohol	0.979	1.142	114	PASS
Methylene chloride	1.197	1.355	114	PASS
3-Chloropropene	0.165	0.207	103	PASS
1,1,2-Trichloro-1,2,2-trifluoroethane	2.331	2.396	107	PASS
Carbon disulfide	3.039	3.309	106	PASS
trans-1,2-Dichloroethylene	1.536	1.783	113	PASS
Methyl-t-butyl ether	3.117	3.547	112	PASS
Methyl ethyl ketone	2.013	2.398	116	PASS
cis-1,2-Dichloroethylene	1.499	1.690	114	PASS
Hexane	1.886	2.072	110	PASS
Chloroform	2.194	2.499	113	PASS
Tetrahydrofuran	0.296	0.312	114	PASS
Difluorobenzene,_1,4	1.000	1.000	104	PASS
1,2-Dichloroethane	0.355	0.380	119	PASS
1,1,1-Trichloroethane	0.557	0.560	112	PASS
Benzene	0.906	0.939	109	PASS
Cyclohexane	0.460	0.452	110	PASS
1,2-Dichloropropane	0.315	0.309	110	PASS
Bromodichloromethane	0.636	0.644	113	PASS
Trichloroethylene	0.511	0.426	107	PASS
2,2,4-Trimethylpentane	0.751	0.722	112	PASS
Heptane	0.544	0.537	113	PASS
cis-1,3-Dichloropropene	0.524	0.526	110	PASS
Methyl isobutyl ketone	0.593	0.642	114	PASS
trans-1,3-Dichloropropene	0.513	0.526	112	PASS
1,1,2-Trichloroethane	0.365	0.346	110	PASS
Chlorobenzene,_d-5	1.000	1.000	106	PASS
Toluene	1.162	1.223	108	PASS
Dibromochloromethane	0.648	0.617	109	PASS
1,2-Dibromoethane	0.622	0.591	110	PASS
Tetrachloroethylene	0.658	0.593	108	PASS
Chlorobenzene	0.962	0.982	111	PASS
Ethylbenzene	1.384	1.550	110	PASS
m or p-Xylene	2.248	2.571	112	PASS
Bromoform	0.346	0.319	111	PASS
Styrene	0.935	1.020	113	PASS
1,1,2,2-Tetrachloroethane	0.927	0.947	113	PASS
o-Xylene	1.278	1.375	115	PASS
Bromofluorobenzene	0.667	0.706	112	PASS
Cumene	0.379	0.405	115	PASS
2-Chlorotoluene	0.222	0.242	117	PASS
4-Ethyltoluene	1.481	1.748	115	PASS
1,3,5-Trimethylbenzene	1.340	1.510	114	PASS
1,2,4-Trimethylbenzene	1.306	1.458	114	PASS
1,3-Dichlorobenzene	1.020	1.031	115	PASS
1,4-Dichlorobenzene	0.951	0.997	114	PASS
1,2-Dichlorobenzene	0.841	0.887	114	PASS
1,2,4-Trichlorobenzene	0.533	0.485	107	PASS
Hexachlorobutadiene	0.343	0.410	115	PASS

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107dcs.D
Acq On : 07 Nov 2006 08:58
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 09:50:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	102	0.00
2		Propene	0.764	0.881	-15.3	116	0.00
3		Dichlorodifluoromethane	2.088	2.445	-17.1	117	0.00
4		Chloromethane	0.890	1.044	-17.3	117	0.00
5		Dichlorotetrafluoroethane	2.548	2.847	-11.7	107	0.00
6		Vinyl_chloride	1.250	1.393	-11.4	111	0.00
7		Butadiene,_1,3-	1.014	1.281	-26.3	115	0.00
8		Bromomethane	0.832	0.935	-12.4	110	0.00
9		Chloroethane	0.594	0.666	-12.1	110	0.00
10		Ethanol	0.338	0.412	-21.9	114	0.00
11		Bromoethene	0.416	0.480	-15.4	110	0.00
12		Acetone	1.280	1.600	-25.0	117	0.00
13		Trichlorofluoromethane	2.084	2.568	-23.2	109	0.00
14		Isopropyl alcohol	1.741	2.143	-23.1	115	0.00
15		Dichloroethylene,_1,1-	1.625	1.895	-16.6	115	0.00
16		Butyl_Alcohol,_tert	0.979	1.142	-16.6	114	0.00
17		Methylene_chloride	1.197	1.355	-13.2	114	0.00
18		Chloropropene,_3-	0.165	0.207	-25.5	103	0.00
19		Trichloro-1,2,2-trifluoroet	2.331	2.396	-2.8	107	0.00
20		Carbon_disulfide	3.039	3.309	-8.9	106	0.00
21		Dichloroethylene,_trans-1,2	1.536	1.783	-16.1	113	0.00
22		Dichloroethane, 1,1-	1.949	2.289	-17.4	114	0.00
23		Methyl-t-butyl_ether	3.117	3.547	-13.8	112	0.00
24		Vinyl acetate	0.679	0.819	-20.6	124	0.00
25		Methyl_ethyl_ketone	2.013	2.398	-19.1	116	0.00
26		Dichloroethylene,_cis-1,2-	1.499	1.690	-12.7	114	0.00
27		Hexane	1.886	2.072	-9.9	110	0.00
28		Ethyl acetate	0.359	0.397	-10.6	109	0.00
29		Chloroform	2.194	2.499	-13.9	113	0.00
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	104	0.00
31		Tetrahydrofuran	0.296	0.312	-5.4	114	0.00
32		Dichloroethane,_1,2-	0.355	0.380	-7.0	119	0.00
33		Trichloroethane,_1,1,1-	0.557	0.560	-0.5	112	0.00
34		Benzene	0.906	0.939	-3.6	109	0.00
35		Carbon_tetrachloride	0.501	0.506	-1.0	111	0.00
36		Cyclohexane	0.460	0.452	1.7	110	0.00
37		Dichloropropane,_1,2-	0.315	0.309	1.9	110	0.00
38		Bromodichloromethane	0.636	0.644	-1.3	113	0.00
39		Dioxane, 1,4-	0.251	0.219	12.7	108	0.00
40		Trichloroethylene	0.511	0.426	16.6	107	0.00
41		Trimethylpentane,_2,2,4-	0.751	0.722	3.9	112	0.00
42		Heptane	0.544	0.537	1.3	113	0.00
43		Dichloropropene,_cis-1,3-	0.524	0.526	-0.4	110	0.00
44		Methyl_isobutyl_ketone	0.593	0.642	-8.3	114	0.00
45		Dichloropropene,_trans-1,3-	0.513	0.526	-2.5	112	0.00
46		Trichloroethane,_1,1,2-	0.365	0.346	5.2	110	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107dcs.D
Acq On : 07 Nov 2006 08:58
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 09:50:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	106	0.00
48		Toluene	1.162	1.223	-5.2	108	0.00
49		Methyl butyl ketone	0.593	0.649	-9.4	112	0.00
50		Dibromochloromethane	0.648	0.617	4.8	109	0.00
51		Dibromoethane,_1,2-	0.622	0.591	5.0	110	0.00
52		Tetrachloroethylene	0.658	0.593	9.9	108	0.00
53		Chlorobenzene	0.962	0.982	-2.1	111	0.00
54		Ethylbenzene	1.384	1.550	-12.0	110	0.00
55		Xylene,_m_&_p-	2.248	2.571	-14.4	112	0.00
56		Bromoform	0.346	0.319	7.8	111	0.00
57		Styrene	0.935	1.020	-9.1	113	0.00
58		Tetrachloroethane,_1,1,2,2-	0.927	0.947	-2.2	113	0.00
59		Xylene,_o-	1.278	1.375	-7.6	115	0.00
60	S	Bromofluorobenzene_(tune_st	0.667	0.706	-5.8	112	0.00
61		Cumene	0.379	0.405	-6.9	115	0.00
62		Chlorotoluene,_2-	0.222	0.242	-9.0	117	0.00
63		Ethyltoluene,_4-	1.481	1.748	-18.0	115	0.00
64		Trimethylbenzene,_1,3,5-	1.340	1.510	-12.7	114	0.00
65		Trimethylbenzene,_1,2,4-	1.306	1.458	-11.6	114	0.00
66		Benzyl chloride	1.081	1.397	-29.2	116	0.00
67		Dichlorobenzene,_1,3-	1.020	1.031	-1.1	115	0.00
68		Dichlorobenzene,_1,4-	0.951	0.997	-4.8	114	0.00
69		Dichlorobenzene,_1,2-	0.841	0.887	-5.5	114	0.00
70		Trichlorobenzene,_1,2,4-	0.533	0.485	9.0	107	0.00
71		Hexachlorobutadiene	0.343	0.410	-19.5	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107dcs.D
Acq On : 07 Nov 2006 08:58
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 09:50:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	136975	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	626058	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	580491	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	409687	10.58	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.80%			
Target Compounds						Qvalue
2) Propene	3.83	41	120710	11.54	ppbV	100
3) Dichlorodifluoromethane	3.91	85	334954	11.71	ppbV	100
4) Chloromethane	4.09	50	143025	11.74	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	390023	11.17	ppbV	100
6) Vinyl_chloride	4.32	62	190874	11.14	ppbV	100
7) Butadiene,_1,3-	4.46	54	175412	12.63	ppbV	100
8) Bromomethane	4.73	94	128115	11.24	ppbV	100
9) Chloroethane	4.91	64	91223	11.21	ppbV	100
10) Ethanol	5.14	45	56477	12.21	ppbV	100
11) Bromoethene	5.26	106	65794	11.55	ppbV	99
12) Acetone	5.54	43	219163	12.50	ppbV	100
13) Trichlorofluoromethane	5.66	101	351804	12.32	ppbV	100
14) Isopropyl alcohol	5.83	45	293560	12.31	ppbV	100
15) Dichloroethylene,_1,1-	6.29	61	259503	11.66	ppbV	100
16) Butyl_Alcohol,_tert	6.41	59	156423	11.66	ppbV	100
17) Methylene_chloride	6.42	49	185558	11.32	ppbV	100
18) Chloropropene,_3-	6.54	76	28405	12.57	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.67	101	328238	10.28	ppbV	100
20) Carbon_disulfide	6.72	76	453300	10.89	ppbV #	100
21) Dichloroethylene,_trans-1,	7.35	61	244173	11.61	ppbV	100
22) Dichloroethane, 1,1-	7.57	63	313472	11.74	ppbV	100
23) Methyl-t-butyl_ether	7.62	73	485839	11.38	ppbV	100
24) Vinyl acetate	7.62	43	112218	12.06	ppbV #	100
25) Methyl_ethyl_ketone	7.99	43	328527	11.91	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.43	61	231475	11.27	ppbV	100
27) Hexane	8.63	57	283776	10.98	ppbV	99
28) Ethyl acetate	8.67	61	54411	11.07	ppbV	99
29) Chloroform	8.75	83	342320	11.39	ppbV	99
31) Tetrahydrofuran	9.17	42	195613	10.56	ppbV	100
32) Dichloroethane,_1,2-	9.55	62	238026	10.72	ppbV #	100
33) Trichloroethane,_1,1,1-	9.80	97	350867	10.06	ppbV	100
34) Benzene	10.32	78	587957	10.36	ppbV	100
35) Carbon_tetrachloride	10.47	117	316730	10.11	ppbV	100
36) Cyclohexane	10.61	56	283097	9.83	ppbV	100
37) Dichloropropane,_1,2-	11.24	63	193582	9.81	ppbV #	100
38) Bromodichloromethane	11.47	83	403447	10.13	ppbV	100
39) Dioxane, 1,4-	11.49	88	136870	8.71	ppbV	99
40) Trichloroethylene	11.50	130	267009	8.35	ppbV	99
41) Trimethylpentane,_2,2,4-	11.53	57	451983	9.62	ppbV	100
42) Heptane	11.83	43	335987	9.86	ppbV	100
43) Dichloropropene,_cis-1,3-	12.52	75	329020	10.03	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	402033	10.82	ppbV	100
45) Dichloropropene,_trans-1,3	13.15	75	329217	10.25	ppbV #	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107dcs.D
Acq On : 07 Nov 2006 08:58
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 09:50:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

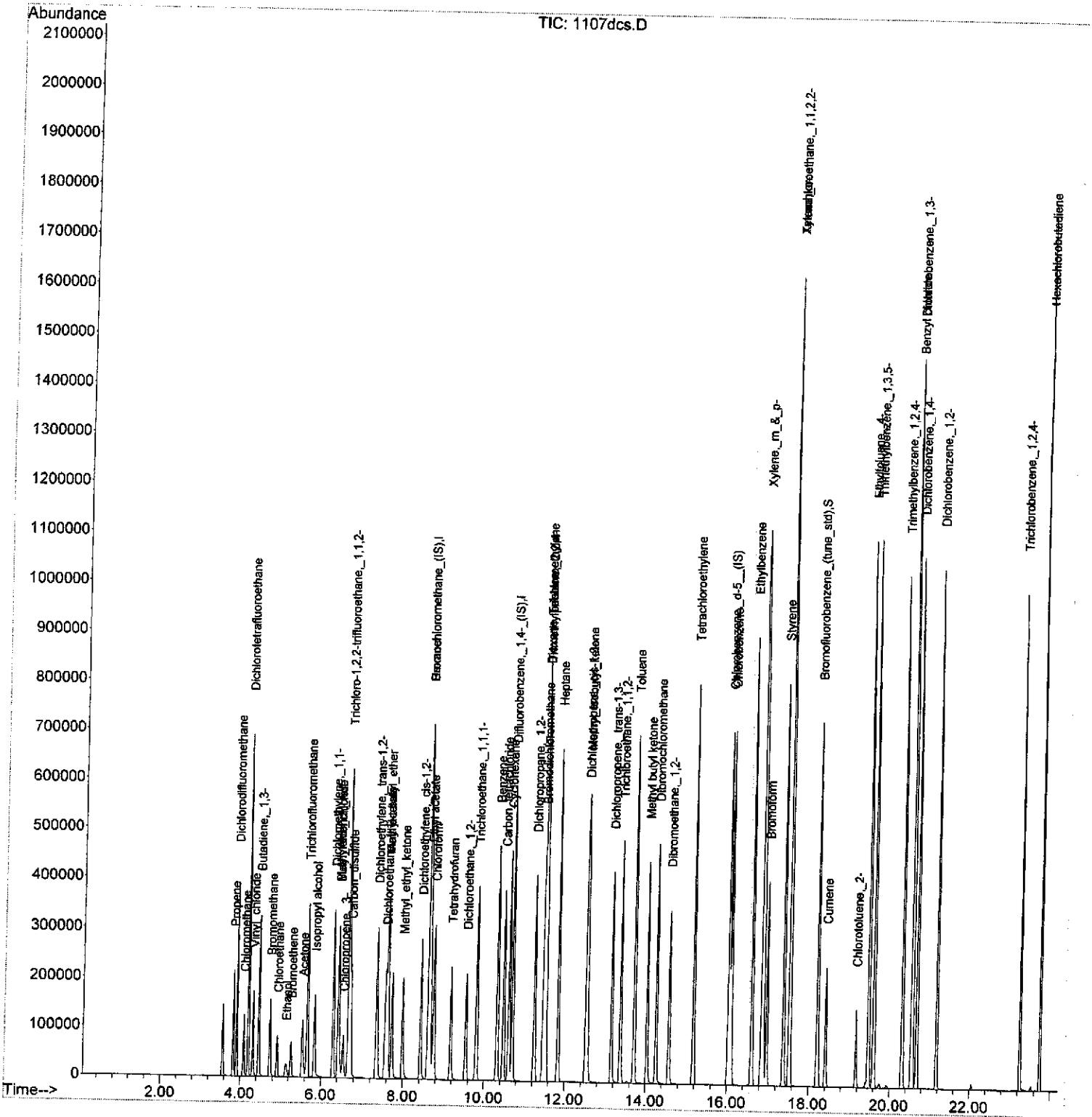
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	216884	9.49	ppbV		100
48) Toluene	13.72	91	709740	10.52	ppbV		100
49) Methyl butyl ketone	14.03	43	376924	10.94	ppbV		100
50) Dibromochloromethane	14.26	129	358312	9.52	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	342941	9.50	ppbV		100
52) Tetrachloroethylene	15.17	166	344349	9.01	ppbV		99
53) Chlorobenzene	16.09	112	570299	10.21	ppbV		99
54) Ethylbenzene	16.61	91	899996	11.20	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1492258	11.44	ppbV		100
56) Bromoform	16.98	171	184901	9.19	ppbV	#	74
57) Styrene	17.39	104	591875	10.90	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	549745	10.22	ppbV		100
59) Xylene,_o-	17.54	91	797990	10.76	ppbV		100
61) Cumene	18.42	105	235254	10.68	ppbV		100
62) Chlorotoluene,_2-	19.17	91	140658	10.90	ppbV		100
63) Ethyltoluene,_4-	19.47	105	1014959	11.81	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	876606	11.27	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.31	105	846421	11.17	ppbV		100
66) Benzyl chloride	20.54	91	811059	12.93	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	598522	10.11	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	578610	10.48	ppbV		100
69) Dichlorobenzene,_1,2-	21.18	146	515040	10.55	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	281622	9.11	ppbV		99
71) Hexachlorobutadiene	23.75	225	238044	11.94	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107dcs.D
Acq On : 07 Nov 2006 08:58
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 09:50:51 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Tue Nov 07 09:51:22 2006 S1

Continuing Calibration Report

File Name	Level ID	Date Time
1108DCS	10 PPBV	11/8/06

Runs with this DCS:

10 PPBV LCS [1108LCS01]; 10 PPBV LCS [1108LCS02]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]; METHOD BLANK [1108BLK]

Compound Name	AVG. RF	Chk Std RF	% Difference	Pass/Fail
Bromochloromethane	1.000	1.000	85	PASS
Propene	0.764	0.881	98	PASS
Dichlorodifluoromethane	2.088	2.463	99	PASS
Chloromethane	0.890	0.945	89	PASS
Dichlorotetrafluoroethane	2.548	2.926	93	PASS
Vinyl chloride	1.250	1.209	81	PASS
1,3-Butadiene	1.014	1.227	93	PASS
Bromomethane	0.832	0.906	89	PASS
Chloroethane	0.594	0.568	79	PASS
Ethanol	0.338	0.387	90	PASS
Bromoethene	0.416	0.407	78	PASS
Acetone	1.280	1.488	92	PASS
Trichlorofluoromethane	2.084	2.195	78	PASS
1,1-Dichloroethylene	1.625	1.813	92	PASS
tert-Butyl alcohol	0.979	1.068	89	PASS
Methylene chloride	1.197	1.309	93	PASS
3-Chloropropene	0.165	0.200	84	PASS
1,1,2-Trichloro-1,2,2-trifluoroethane	2.331	2.294	86	PASS
Carbon disulfide	3.039	3.023	81	PASS
trans-1,2-Dichloroethylene	1.536	1.738	93	PASS
Methyl-t-butyl ether	3.117	3.227	86	PASS
Methyl ethyl ketone	2.013	2.264	92	PASS
cis-1,2-Dichloroethylene	1.499	1.568	89	PASS
Hexane	1.886	1.977	89	PASS
Chloroform	2.194	2.399	91	PASS
Tetrahydrofuran	0.296	0.309	96	PASS
Difluorobenzene,_1,4	1.000	1.000	89	PASS
1,2-Dichloroethane	0.355	0.358	96	PASS
1,1,1-Trichloroethane	0.557	0.520	90	PASS
Benzene	0.906	0.910	91	PASS
Cyclohexane	0.460	0.406	85	PASS
1,2-Dichloropropane	0.315	0.287	88	PASS
Bromodichloromethane	0.636	0.556	84	PASS
Trichloroethylene	0.511	0.381	82	PASS
2,2,4-Trimethylpentane	0.751	0.692	92	PASS
Heptane	0.544	0.543	98	PASS
cis-1,3-Dichloropropene	0.524	0.453	81	PASS
Methyl isobutyl ketone	0.593	0.611	93	PASS
trans-1,3-Dichloropropene	0.513	0.482	88	PASS
1,1,2-Trichloroethane	0.365	0.316	86	PASS
Chlorobenzene,_d-5	1.000	1.000	88	PASS
Toluene	1.162	1.144	84	PASS
Dibromochloromethane	0.648	0.566	83	PASS
1,2-Dibromoethane	0.622	0.552	85	PASS
Tetrachloroethylene	0.658	0.537	81	PASS
Chlorobenzene	0.962	0.889	83	PASS
Ethylbenzene	1.384	1.450	85	PASS
m or p-Xylene	2.248	2.424	87	PASS
Bromoform	0.346	0.281	81	PASS
Styrene	0.935	0.959	88	PASS
1,1,2,2-Tetrachloroethane	0.927	0.869	86	PASS
o-Xylene	1.278	1.268	88	PASS
Bromofluorobenzene	0.667	0.738	97	PASS
Cumene	0.379	0.373	88	PASS
2-Chlorotoluene	0.222	0.231	92	PASS
4-Ethyltoluene	1.481	1.640	90	PASS
1,3,5-Trimethylbenzene	1.340	1.408	88	PASS
1,2,4-Trimethylbenzene	1.306	1.370	89	PASS
1,3-Dichlorobenzene	1.020	0.939	87	PASS
1,4-Dichlorobenzene	0.951	0.937	89	PASS
1,2-Dichlorobenzene	0.841	0.842	90	PASS
1,2,4-Trichlorobenzene	0.533	0.478	88	PASS
Hexachlorobutadiene	0.343	0.419	97	PASS

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108dcs.D
Acq On : 08 Nov 2006 10:03
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 11:06:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	85	0.00
2		Propene	0.764	0.881	-15.3	98	0.00
3		Dichlorodifluoromethane	2.088	2.463	-18.0	99	0.00
4		Chloromethane	0.890	0.945	-6.2	89	0.00
5		Dichlorotetrafluoroethane	2.548	2.926	-14.8	93	0.00
6		Vinyl_chloride	1.250	1.209	3.3	81	0.00
7		Butadiene,_1,3-	1.014	1.227	-21.0	93	0.00
8		Bromomethane	0.832	0.906	-8.9	89	0.00
9		Chloroethane	0.594	0.568	4.4	79	0.00
10		Ethanol	0.338	0.387	-14.5	90	-0.01
11		Bromoethene	0.416	0.407	2.2	78	0.00
12		Acetone	1.280	1.488	-16.2	92	0.00
13		Trichlorofluoromethane	2.084	2.195	-5.3	78	0.00
14		Isopropyl alcohol	1.741	1.915	-10.0	86	-0.01
15		Dichloroethylene,_1,1-	1.625	1.813	-11.6	92	0.00
16		Butyl_Alcohol,_tert	0.979	1.068	-9.1	89	-0.01
17		Methylene_chloride	1.197	1.309	-9.4	93	0.00
18		Chloropropene,_3-	0.165	0.200	-21.2	84	0.00
19		Trichloro-1,2,2-trifluoroet	2.331	2.294	1.6	86	0.00
20		Carbon_disulfide	3.039	3.023	0.5	81	0.00
21		Dichloroethylene,_trans-1,2	1.536	1.738	-13.2	93	0.00
22		Dichloroethane, 1,1-	1.949	2.108	-8.2	89	0.00
23		Methyl-t-butyl_ether	3.117	3.227	-3.5	86	0.00
24		Vinyl acetate	0.679	0.756	-11.3	96	0.00
25		Methyl_ethyl_ketone	2.013	2.264	-12.5	92	0.00
26		Dichloroethylene,_cis-1,2-	1.499	1.568	-4.6	89	0.00
27		Hexane	1.886	1.977	-4.8	89	0.00
28		Ethyl acetate	0.359	0.376	-4.7	87	0.00
29		Chloroform	2.194	2.399	-9.3	91	0.00
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	89	0.00
31		Tetrahydrofuran	0.296	0.309	-4.4	96	0.00
32		Dichloroethane,_1,2-	0.355	0.358	-0.8	96	0.00
33		Trichloroethane,_1,1,1-	0.557	0.520	6.6	90	0.00
34		Benzene	0.906	0.910	-0.4	91	0.00
35		Carbon_tetrachloride	0.501	0.468	6.6	89	0.00
36		Cyclohexane	0.460	0.406	11.7	85	0.00
37		Dichloropropane,_1,2-	0.315	0.287	8.9	88	0.00
38		Bromodichloromethane	0.636	0.556	12.6	84	0.00
39		Dioxane, 1,4-	0.251	0.200	20.3	85	0.00
40		Trichloroethylene	0.511	0.381	25.4	82	0.00
41		Trimethylpentane,_2,2,4-	0.751	0.692	7.9	92	0.00
42		Heptane	0.544	0.543	0.2	98	0.00
43		Dichloropropene,_cis-1,3-	0.524	0.453	13.5	81	0.00
44		Methyl_isobutyl_ketone	0.593	0.611	-3.0	93	0.00
45		Dichloropropene,_trans-1,3-	0.513	0.482	6.0	88	0.00
46		Trichloroethane,_1,1,2-	0.365	0.316	13.4	86	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108dcs.D
Acq On : 08 Nov 2006 10:03
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 11:06:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	88	0.00
48		Toluene	1.162	1.144	1.5	84	0.00
49		Methyl butyl ketone	0.593	0.652	-9.9	94	0.00
50		Dibromochloromethane	0.648	0.566	12.7	83	0.00
51		Dibromoethane,_1,2-	0.622	0.552	11.3	85	0.00
52		Tetrachloroethylene	0.658	0.537	18.4	81	0.00
53		Chlorobenzene	0.962	0.889	7.6	83	0.00
54		Ethylbenzene	1.384	1.450	-4.8	85	0.00
55		Xylene,_m_&_p-	2.248	2.424	-7.8	87	0.00
56		Bromoform	0.346	0.281	18.8	81	0.00
57		Styrene	0.935	0.959	-2.6	88	0.00
58		Tetrachloroethane,_1,1,2,2-	0.927	0.869	6.3	86	0.00
59		Xylene,_o-	1.278	1.268	0.8	88	0.00
60	S	Bromofluorobenzene_(tune_st	0.667	0.738	-10.6	97	0.00
61		Cumene	0.379	0.373	1.6	88	0.00
62		Chlorotoluene,_2-	0.222	0.231	-4.1	92	0.00
63		Ethyltoluene,_4-	1.481	1.640	-10.7	90	0.00
64		Trimethylbenzene,_1,3,5-	1.340	1.408	-5.1	88	0.00
65		Trimethylbenzene,_1,2,4-	1.306	1.370	-4.9	89	0.00
66		Benzyl chloride	1.081	1.346	-24.5	92	0.00
67		Dichlorobenzene,_1,3-	1.020	0.939	7.9	87	0.00
68		Dichlorobenzene,_1,4-	0.951	0.937	1.5	89	0.00
69		Dichlorobenzene,_1,2-	0.841	0.842	-0.1	90	0.00
70		Trichlorobenzene,_1,2,4-	0.533	0.478	10.3	88	0.00
71		Hexachlorobutadiene	0.343	0.419	-22.2	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108dcs.D
Acq On : 08 Nov 2006 10:03
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 11:06:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	115152	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	538512	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	481031	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	354853	11.06	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 110.60%				
Target Compounds							Qvalue
2) Propene	3.82	41	101487	11.54	ppbV		100
3) Dichlorodifluoromethane	3.90	85	283648	11.80	ppbV		100
4) Chloromethane	4.08	50	108864	10.63	ppbV		100
5) Dichlorotetrafluoroethane	4.19	85	336921	11.48	ppbV		99
6) Vinyl_chloride	4.31	62	139240	9.67	ppbV		100
7) Butadiene,_1,3-	4.45	54	141303	12.10	ppbV		99
8) Bromomethane	4.72	94	104383	10.89	ppbV		99
9) Chloroethane	4.90	64	65453	9.56	ppbV		100
10) Ethanol	5.12	45	44578	11.47	ppbV		100
11) Bromoethene	5.25	106	46833	9.78	ppbV		99
12) Acetone	5.52	43	171329	11.62	ppbV	#	100
13) Trichlorofluoromethane	5.65	101	252800	10.53	ppbV		100
14) Isopropyl alcohol	5.82	45	220533	11.00	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	208786	11.16	ppbV		100
16) Butyl_Alcohol,_tert	6.39	59	122968	10.90	ppbV		100
17) Methylene_chloride	6.41	49	150764	10.94	ppbV		100
18) Chloropropene,_3-	6.53	76	23079	12.14	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.65	101	264120	9.84	ppbV		99
20) Carbon_disulfide	6.70	76	348052	9.95	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.35	61	200181	11.32	ppbV		100
22) Dichloroethane, 1,1-	7.56	63	242707	10.81	ppbV		100
23) Methyl-t-butyl_ether	7.61	73	371639	10.36	ppbV		100
24) Vinyl acetate	7.61	43	87105	11.14	ppbV	#	100
25) Methyl_ethyl_ketone	7.98	43	260737	11.25	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.43	61	180583	10.46	ppbV		100
27) Hexane	8.63	57	227659	10.48	ppbV		99
28) Ethyl acetate	8.66	61	43345	10.49	ppbV		100
29) Chloroform	8.75	83	276307	10.93	ppbV		100
31) Tetrahydrofuran	9.16	42	166152	10.43	ppbV		100
32) Dichloroethane,_1,2-	9.53	62	192810	10.10	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.80	97	279897	9.33	ppbV		100
34) Benzene	10.32	78	490161	10.04	ppbV		100
35) Carbon_tetrachloride	10.47	117	252088	9.35	ppbV		100
36) Cyclohexane	10.61	56	218613	8.82	ppbV		100
37) Dichloropropane,_1,2-	11.24	63	154787	9.12	ppbV	#	100
38) Bromodichloromethane	11.46	83	299174	8.73	ppbV		100
39) Dioxane, 1,4-	11.49	88	107881	7.98	ppbV		99
40) Trichloroethylene	11.50	130	204908	7.45	ppbV		99
41) Trimethylpentane,_2,2,4-	11.52	57	372676	9.22	ppbV		100
42) Heptane	11.83	43	292478	9.98	ppbV		100
43) Dichloropropene,_cis-1,3-	12.52	75	243846	8.64	ppbV		100
44) Methyl_isobutyl_ketone	12.54	43	328928	10.29	ppbV		100
45) Dichloropropene,_trans-1,3	13.15	75	259597	9.39	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108dcs.D
Acq On : 08 Nov 2006 10:03
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 11:06:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

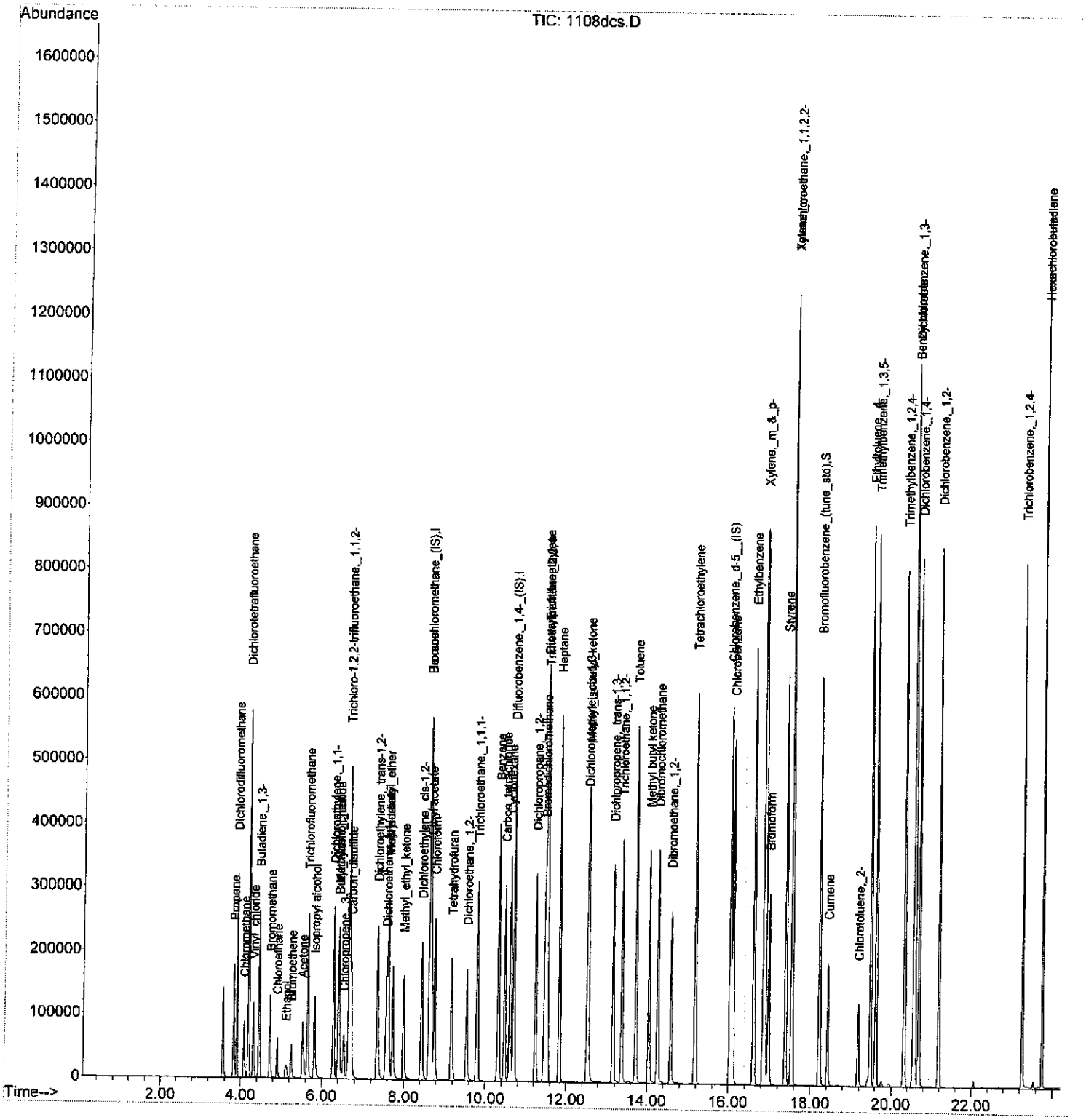
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	170027	8.65	ppbV		100
48) Toluene	13.72	91	550488	9.85	ppbV		100
49) Methyl butyl ketone	14.03	43	313650	10.99	ppbV		100
50) Dibromochloromethane	14.26	129	272103	8.73	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	265425	8.88	ppbV		100
52) Tetrachloroethylene	15.18	166	258451	8.16	ppbV		99
53) Chlorobenzene	16.10	112	427445	9.23	ppbV		100
54) Ethylbenzene	16.61	91	697617	10.48	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1166257	10.78	ppbV		100
56) Bromoform	16.98	171	135108	8.11	ppbV		98
57) Styrene	17.39	104	461403	10.26	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	418078	9.38	ppbV		100
59) Xylene,_o-	17.54	91	609761	9.92	ppbV		100
61) Cumene	18.42	105	179542	9.84	ppbV		100
62) Chlorotoluene,_2-	19.18	91	111355	10.41	ppbV		100
63) Ethyltoluene,_4-	19.48	105	789098	11.08	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	677206	10.51	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.32	105	659072	10.49	ppbV		100
66) Benzyl chloride	20.55	91	647447	12.45	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	451460	9.21	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	450938	9.86	ppbV		99
69) Dichlorobenzene,_1,2-	21.18	146	404792	10.01	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.26	180	229698	8.96	ppbV		100
71) Hexachlorobutadiene	23.75	225	201772	12.22	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108dcs.D
Acq On : 08 Nov 2006 10:03
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 11:06:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Wed Nov 08 11:16:32 2006 S1

Continuing Calibration Report

File Name	Level ID	Date Time
1206DCS_061206151240	10 PPBV	12/6/06

Runs with this DCS:

10 PPBV LCS [1206LCS01]; 10 PPBV LCS [1206LCS02]; 3054 [120602]; BFB [1206BFB_061206135147]; METHOD BLANK [1206BLK]

Compound Name	AVG. RF	Chk Std RF	% Difference	Pass/Fail
Bromochloromethane	1.000	1.000	69	PASS
Propene	0.867	1.040	82	PASS
Dichlorodifluoromethane	2.294	2.543	73	PASS
Chloromethane	0.997	1.121	76	PASS
Dichlorotetrafluoroethane	2.756	2.913	71	PASS
Vinyl chloride	1.419	1.263	59	PASS
1,3-Butadiene	1.190	1.371	69	PASS
Bromomethane	0.917	1.005	74	PASS
Chloroethane	0.650	0.728	76	PASS
Ethanol	0.362	0.436	74	PASS
Bromoethene	0.420	0.467	74	PASS
Acetone	1.548	1.842	80	PASS
Trichlorofluoromethane	2.218	2.376	65	PASS
1,1-Dichloroethylene	1.786	2.042	77	PASS
tert-Butyl alcohol	0.938	1.118	78	PASS
Methylene chloride	1.331	1.450	76	PASS
3-Chloropropene	0.170	0.183	64	PASS
1,1,2-Trichloro-1,2,2-trifluoroethane	2.427	2.532	75	PASS
Carbon disulfide	3.285	3.568	73	PASS
trans-1,2-Dichloroethylene	1.672	1.884	77	PASS
Methyl-t-butyl ether	3.338	3.813	77	PASS
Methyl ethyl ketone	2.175	2.633	78	PASS
cis-1,2-Dichloroethylene	1.613	1.816	77	PASS
Hexane	2.021	2.251	77	PASS
Chloroform	2.369	2.661	76	PASS
Tetrahydrofuran	0.320	0.341	78	PASS
Difluorobenzene,_1,4	1.000	1.000	72	PASS
1,2-Dichloroethane	0.372	0.392	79	PASS
1,1,1-Trichloroethane	0.566	0.570	76	PASS
Benzene	0.942	0.991	77	PASS
Cyclohexane	0.503	0.498	76	PASS
1,2-Dichloropropane	0.330	0.324	76	PASS
Bromodichloromethane	0.663	0.672	77	PASS
Trichloroethylene	0.506	0.439	73	PASS
2,2,4-Trimethylpentane	0.729	0.706	76	PASS
Heptane	0.576	0.584	78	PASS
cis-1,3-Dichloropropene	0.550	0.547	74	PASS
Methyl isobutyl ketone	0.644	0.706	79	PASS
trans-1,3-Dichloropropene	0.533	0.552	76	PASS
1,1,2-Trichloroethane	0.367	0.362	76	PASS
Chlorobenzene,_d-5	1.000	1.000	73	PASS
Toluene	1.215	1.268	76	PASS
Dibromochloromethane	0.625	0.605	76	PASS
1,2-Dibromoethane	0.612	0.591	75	PASS
Tetrachloroethylene	0.633	0.569	75	PASS
Chlorobenzene	0.954	0.948	76	PASS
Ethylbenzene	1.429	1.570	78	PASS
m or p-Xylene	2.337	2.545	77	PASS
Bromoform	0.327	0.294	74	PASS
Styrene	0.938	0.983	77	PASS
1,1,2,2-Tetrachloroethane	0.946	0.944	77	PASS
o-Xylene	1.303	1.338	77	PASS
Bromofluorobenzene	0.730	0.735	75	PASS
Cumene	0.254	0.264	76	PASS
2-Chlorotoluene	0.131	0.139	77	PASS
4-Ethyltoluene	1.476	1.714	80	PASS
1,3,5-Trimethylbenzene	1.341	1.488	79	PASS
1,2,4-Trimethylbenzene	1.305	1.437	80	PASS
1,3-Dichlorobenzene	1.003	0.988	79	PASS
1,4-Dichlorobenzene	0.936	0.940	77	PASS
1,2-Dichlorobenzene	0.833	0.854	78	PASS
1,2,4-Trichlorobenzene	0.517	0.481	74	PASS
Hexachlorobutadiene	0.481	0.000	0	FAIL

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206dcs_061206113224.D
Acq On : 06 Dec 2006 11:32
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 09:42:08 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	73	0.00
2		Propene	0.867	1.001	-15.5	83	-0.01
3		Dichlorodifluoromethane	2.294	2.444	-6.5	74	-0.01
4		Chloromethane	0.997	1.083	-8.6	77	-0.01
5		Dichlorotetrafluoroethane	2.756	2.963	-7.5	76	-0.02
6		Vinyl_chloride	1.419	1.354	4.6	66	0.00
7		Butadiene,_1,3-	1.190	1.304	-9.6	69	0.00
8		Bromomethane	0.917	0.986	-7.5	77	0.00
9		Chloroethane	0.650	0.736	-13.2	81	-0.01
10		Ethanol	0.362	0.446	-23.2	80	0.00
11		Bromoethene	0.420	0.467	-11.2	78	0.00
12		Acetone	1.548	1.824	-17.8	83	0.00
13		Trichlorofluoromethane	2.218	2.375	-7.1	68	0.00
14		Isopropyl alcohol	1.961	2.386	-21.7	81	0.00
15		Dichloroethylene,_1,1-	1.786	1.997	-11.8	79	-0.01
16		Butyl_Alcohol,_tert	0.938	1.123	-19.7	82	-0.01
17		Methylene_chloride	1.331	1.426	-7.1	79	0.00
18		Chloropropene,_3-	0.170	0.183	-7.6	68	0.00
19		Trichloro-1,2,2-trifluoroet	2.427	2.507	-3.3	78	0.00
20		Carbon_disulfide	3.285	3.493	-6.3	76	0.00
21		Dichloroethylene,_trans-1,2	1.672	1.839	-10.0	79	0.00
22		Dichloroethane, 1,1-	2.151	2.442	-13.5	82	0.00
23		Methyl-t-butyl_ether	3.338	3.738	-12.0	80	0.00
24		Vinyl acetate	0.746	0.838	-12.3	82	0.00
25		Methyl_ethyl_ketone	2.175	2.630	-20.9	82	0.00
26		Dichloroethylene,_cis-1,2-	1.613	1.780	-10.4	80	0.00
27		Hexane	2.021	2.195	-8.6	79	0.00
28		Ethyl acetate	0.387	0.437	-12.9	80	0.00
29		Chloroform	2.369	2.607	-10.0	79	0.00
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	75	0.00
31		Tetrahydrofuran	0.320	0.331	-3.4	79	0.00
32		Dichloroethane,_1,2-	0.372	0.381	-2.4	80	0.00
33		Trichloroethane,_1,1,1-	0.566	0.560	1.1	79	0.00
34		Benzene	0.942	0.940	0.2	76	0.00
35		Carbon_tetrachloride	0.495	0.486	1.8	75	0.00
36		Cyclohexane	0.503	0.477	5.2	77	0.00
37		Dichloropropane,_1,2-	0.330	0.317	3.9	78	0.00
38		Bromodichloromethane	0.663	0.649	2.1	78	0.00
39		Dioxane, 1,4-	0.235	0.221	6.0	81	0.00
40		Trichloroethylene	0.506	0.432	14.6	76	0.00
41		Trimethylpentane,_2,2,4-	0.729	0.684	6.2	77	0.00
42		Heptane	0.576	0.564	2.1	79	0.00
43		Dichloropropene,_cis-1,3-	0.550	0.536	2.5	76	0.00
44		Methyl_isobutyl_ketone	0.644	0.712	-10.6	83	0.00
45		Dichloropropene,_trans-1,3-	0.533	0.535	-0.4	77	0.00
46		Trichloroethane,_1,1,2-	0.367	0.350	4.6	77	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206dcs_061206113224.D
Acq On : 06 Dec 2006 11:32
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 09:42:08 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	74	0.00
48		Toluene	1.215	1.248	-2.7	77	0.00
49		Methyl butyl ketone	0.612	0.713	-16.5	84	0.00
50		Dibromochloromethane	0.625	0.599	4.2	77	0.00
51		Dibromoethane,_1,2-	0.612	0.589	3.8	77	0.00
52		Tetrachloroethylene	0.633	0.572	9.6	77	0.00
53		Chlorobenzene	0.954	0.945	0.9	78	0.00
54		Ethylbenzene	1.429	1.555	-8.8	79	0.00
55		Xylene,_m_&_p-	2.337	2.553	-9.2	79	0.00
56		Bromoform	0.327	0.297	9.2	77	0.00
57		Styrene	0.938	0.982	-4.7	78	0.00
58		Tetrachloroethane,_1,1,2,2-	0.946	0.940	0.6	78	0.00
59		Xylene,_o-	1.303	1.345	-3.2	79	0.00
60	S	Bromofluorobenzene_(tune_st	0.730	0.745	-2.1	78	0.00
61		Cumene	0.254	0.269	-5.9	80	0.00
62		Chlorotoluene,_2-	0.131	0.138	-5.3	78	0.00
63		Ethyltoluene,_4-	1.476	1.721	-16.6	82	0.00
64		Trimethylbenzene,_1,3,5-	1.341	1.483	-10.6	81	0.00
65		Trimethylbenzene,_1,2,4-	1.305	1.446	-10.8	82	0.00
66		Benzyl chloride	1.227	1.397	-13.9	82	0.00
67		Dichlorobenzene,_1,3-	1.003	0.992	1.1	81	0.00
68		Dichlorobenzene,_1,4-	0.936	0.973	-4.0	82	0.00
69		Dichlorobenzene,_1,2-	0.833	0.878	-5.4	82	0.00
70		Trichlorobenzene,_1,2,4-	0.517	0.513	0.8	80	0.00
71		Hexachlorobutadiene	0.481	0.445	7.5	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206dcs_061206113224.D
Acq On : 06 Dec 2006 11:32
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 09:42:08 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	83441	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.69	114	389615	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.02	117	369459	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	275381	10.21	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.10%			
Target Compounds						Qvalue
2) Propene	3.81	41	83545	11.54	ppbV	98
3) Dichlorodifluoromethane	3.89	85	203920	10.65	ppbV	100
4) Chloromethane	4.07	50	90375	10.86	ppbV	100
5) Dichlorotetrafluoroethane	4.18	85	247221	10.75	ppbV	99
6) Vinyl_chloride	4.30	62	112948	9.54	ppbV	100
7) Butadiene,_1,3-	4.44	54	108844	10.96	ppbV	100
8) Bromomethane	4.71	94	82248	10.75	ppbV	100
9) Chloroethane	4.89	64	61386	11.33	ppbV	99
10) Ethanol	5.11	45	37220	12.32	ppbV	99
11) Bromoethene	5.24	106	39008	11.13	ppbV	100
12) Acetone	5.51	43	152168	11.78	ppbV	100
13) Trichlorofluoromethane	5.64	101	198156	10.71	ppbV	100
14) Isopropyl alcohol	5.80	45	199077	12.17	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	166662	11.18	ppbV	100
16) Butyl_Alcohol,_tert	6.38	59	93741	11.98	ppbV	100
17) Methylene_chloride	6.40	49	118982	10.71	ppbV	100
18) Chloropropene,_3-	6.52	76	15308	10.81	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.65	101	209148	10.33	ppbV	100
20) Carbon_disulfide	6.70	76	291443	10.63	ppbV	100
21) Dichloroethylene,_trans-1,	7.34	61	153422	11.00	ppbV	99
22) Dichloroethane, 1,1-	7.55	63	203763	11.35	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	311920	11.20	ppbV	100
24) Vinyl acetate	7.60	43	69961	11.23	ppbV #	99
25) Methyl_ethyl_ketone	7.97	43	219435	12.09	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.41	61	148488	11.03	ppbV	100
27) Hexane	8.62	57	183112	10.86	ppbV	100
28) Ethyl acetate	8.64	61	36479	11.28	ppbV	99
29) Chloroform	8.73	83	217554	11.01	ppbV	100
31) Tetrahydrofuran	9.15	42	128839	10.34	ppbV	100
32) Dichloroethane,_1,2-	9.53	62	148290	10.22	ppbV	100
33) Trichloroethane,_1,1,1-	9.79	97	218297	9.91	ppbV	100
34) Benzene	10.30	78	366213	9.98	ppbV	100
35) Carbon_tetrachloride	10.46	117	189211	9.80	ppbV	100
36) Cyclohexane	10.60	56	185863	9.49	ppbV	99
37) Dichloropropane,_1,2-	11.23	63	123571	9.61	ppbV	100
38) Bromodichloromethane	11.45	83	252872	9.80	ppbV	100
39) Dioxane, 1,4-	11.48	88	86244	9.41	ppbV	99
40) Trichloroethylene	11.49	130	168484	8.54	ppbV	100
41) Trimethylpentane,_2,2,4-	11.51	57	266597	9.39	ppbV	100
42) Heptane	11.82	43	219550	9.78	ppbV	99
43) Dichloropropene,_cis-1,3-	12.51	75	208717	9.73	ppbV	100
44) Methyl_isobutyl_ketone	12.54	43	277519	11.06	ppbV	99
45) Dichloropropene,_trans-1,3	13.14	75	208494	10.04	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206dcs_061206113224.D
Acq On : 06 Dec 2006 11:32
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 09:42:08 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

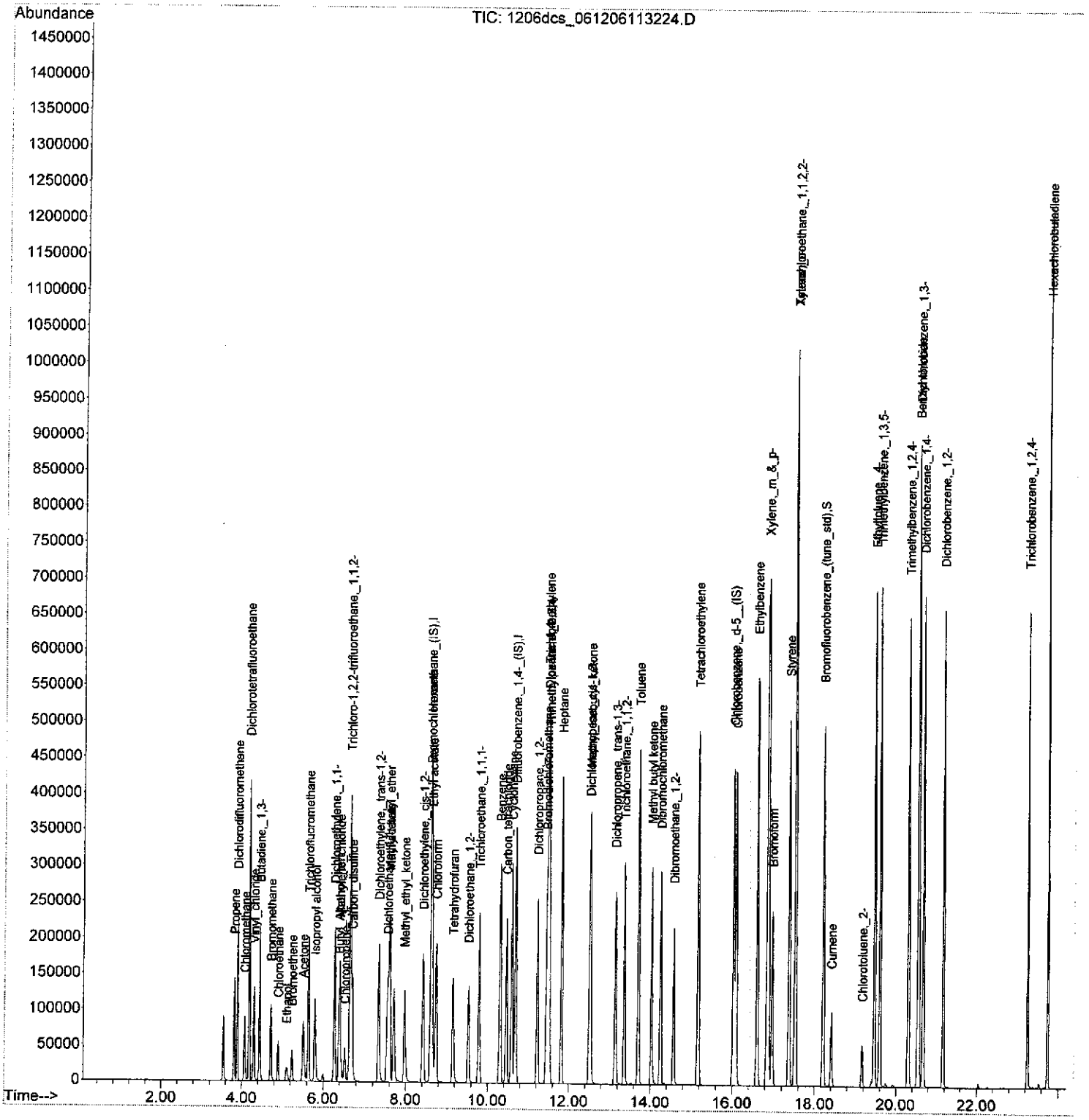
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	136418	9.55	ppbV		100
48) Toluene	13.71	91	461205	10.27	ppbV		99
49) Methyl butyl ketone	14.02	43	263570	11.65	ppbV		99
50) Dibromochloromethane	14.25	129	221332	9.59	ppbV		100
51) Dibromoethane,_1,2-	14.57	107	217771	9.64	ppbV		100
52) Tetrachloroethylene	15.16	166	211350	9.04	ppbV		100
53) Chlorobenzene	16.08	112	349024	9.90	ppbV		100
54) Ethylbenzene	16.60	91	574451	10.88	ppbV		99
55) Xylene,_m_&_p-	16.86	91	943121	10.92	ppbV		99
56) Bromoform	16.96	171	109777	9.08	ppbV	#	86
57) Styrene	17.38	104	362868	10.47	ppbV		100
58) Tetrachloroethane,_1,1,2,2	17.52	83	347357	9.94	ppbV		100
59) Xylene,_o-	17.53	91	496879	10.32	ppbV		99
61) Cumene	18.41	105	99212	10.56	ppbV		100
62) Chlorotoluene,_2-	19.16	91	50961	10.55	ppbV		100
63) Ethyltoluene,_4-	19.47	105	636013	11.66	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.60	105	548086	11.06	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.30	105	534277	11.08	ppbV		99
66) Benzyl chloride	20.54	91	516153	11.39	ppbV		100
67) Dichlorobenzene,_1,3-	20.55	146	366531	9.89	ppbV		100
68) Dichlorobenzene,_1,4-	20.66	146	359534	10.40	ppbV		100
69) Dichlorobenzene,_1,2-	21.16	146	324270	10.54	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	189397	9.92	ppbV		98
71) Hexachlorobutadiene	23.74	TIC	164384	9.25	ppbV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206dcs_061206113224.D
Acq On : 06 Dec 2006 11:32
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 09:42:08 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration



Continuing Calibration Report

File Name	Level ID	Date Time
1214DCS	10 PPBV	12/14/06

Runs with this DCS:

10 PPBV LCS [1214LCS01]; 10 PPBV LCS [1214LCS02]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]; METHOD BLANK [1214BLK_061214134343]

Compound Name	AVG. RF	Chk Std RF	% Difference	Pass/Fail
Bromochloromethane	1.000	1.000	61	PASS
Propene	0.964	1.061	64	PASS
Dichlorodifluoromethane	2.611	2.946	65	PASS
Chloromethane	1.090	1.257	65	PASS
Dichlorotetrafluoroethane	3.093	3.501	65	PASS
Vinyl chloride	1.706	1.844	63	PASS
1,3-Butadiene	1.257	1.572	66	PASS
Bromomethane	1.015	1.091	64	PASS
Chloroethane	0.726	0.781	64	PASS
Ethanol	0.355	0.460	65	PASS
Bromoethene	0.393	0.454	64	PASS
Acetone	1.641	1.958	65	PASS
Trichlorofluoromethane	2.390	2.841	61	PASS
1,1-Dichloroethylene	1.984	2.217	64	PASS
tert-Butyl alcohol	0.885	0.931	57	PASS
Methylene chloride	1.483	1.597	64	PASS
3-Chloropropene	0.139	0.180	60	PASS
1,1,2-Trichloro-1,2,2-trifluoroethane	2.577	2.814	67	PASS
Carbon disulfide	3.577	3.943	67	PASS
trans-1,2-Dichloroethylene	1.788	2.063	64	PASS
Methyl-t-butyl ether	3.729	4.210	67	PASS
Methyl ethyl ketone	2.299	2.908	66	PASS
cis-1,2-Dichloroethylene	1.782	1.986	65	PASS
Hexane	2.346	2.480	65	PASS
Chloroform	2.611	2.902	66	PASS
Tetrahydrofuran	0.356	0.370	65	PASS
Difluorobenzene,_1,4	1.000	1.000	64	PASS
1,2-Dichloroethane	0.412	0.431	65	PASS
1,1,1-Trichloroethane	0.634	0.631	66	PASS
Benzene	1.074	1.071	68	PASS
Cyclohexane	0.548	0.530	66	PASS
1,2-Dichloropropane	0.373	0.357	66	PASS
Bromodichloromethane	0.758	0.719	64	PASS
Trichloroethylene	0.580	0.477	66	PASS
2,2,4-Trimethylpentane	0.767	0.691	64	PASS
Heptane	0.666	0.644	66	PASS
cis-1,3-Dichloropropene	0.612	0.597	66	PASS
Methyl isobutyl ketone	0.712	0.751	67	PASS
trans-1,3-Dichloropropene	0.568	0.600	67	PASS
1,1,2-Trichloroethane	0.411	0.387	66	PASS
Chlorobenzene,_d-5	1.000	1.000	65	PASS
Toluene	1.514	1.342	67	PASS
Dibromochloromethane	0.714	0.652	67	PASS
1,2-Dibromoethane	0.696	0.621	67	PASS
Tetrachloroethylene	0.758	0.605	67	PASS
Chlorobenzene	1.108	1.021	67	PASS
Ethylbenzene	1.719	1.688	67	PASS
m or p-Xylene	2.892	2.824	67	PASS
Bromoform	0.156	0.143	63	PASS
Styrene	1.114	1.065	67	PASS
1,1,2,2-Tetrachloroethane	1.169	1.054	66	PASS
o-Xylene	1.615	1.497	67	PASS
Bromofluorobenzene	0.734	0.750	66	PASS
Cumene	0.277	0.257	67	PASS
2-Chlorotoluene	0.129	0.136	67	PASS
4-Ethyltoluene	1.889	1.820	66	PASS
1,3,5-Trimethylbenzene	1.692	1.609	67	PASS
1,2,4-Trimethylbenzene	1.612	1.543	67	PASS
1,3-Dichlorobenzene	1.301	1.061	65	PASS
1,4-Dichlorobenzene	1.203	1.027	67	PASS
1,2-Dichlorobenzene	1.087	0.927	67	PASS
1,2,4-Trichlorobenzene	0.601	0.495	71	PASS
Hexachlorobutadiene	0.290	0.237	65	PASS

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214dcs.D
Acq On : 14 Dec 2006 08:11
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 14 08:51:30 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Thu Dec 14 08:51:24 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	61	-0.02
2		Propene	0.964	1.061	-10.1	64	-0.02
3		Dichlorodifluoromethane	2.611	2.946	-12.8	65	-0.02
4		Chloromethane	1.090	1.257	-15.3	65	-0.01
5		Dichlorotetrafluoroethane	3.093	3.501	-13.2	65	-0.02
6		Vinyl_chloride	1.706	1.844	-8.1	63	-0.02
7		Butadiene,_1,3-	1.257	1.572	-25.1	66	-0.02
8		Bromomethane	1.015	1.091	-7.5	64	-0.02
9		Chloroethane	0.726	0.781	-7.6	64	-0.02
10		Ethanol	0.355	0.460	-29.6	65	-0.03
11		Bromoethene	0.393	0.454	-15.5	64	-0.02
12		Acetone	1.641	1.958	-19.3	65	-0.03
13		Trichlorofluoromethane	2.390	2.841	-18.9	61	-0.02
14		Isopropyl alcohol	2.077	2.515	-21.1	64	-0.04
15		Dichloroethylene,_1,1-	1.984	2.217	-11.7	64	-0.02
16		Butyl_Alcohol,_tert	0.885	0.931	-5.2	57	-0.03
17		Methylene_chloride	1.483	1.597	-7.7	64	-0.02
18		Chloropropene,_3-	0.139	0.180	-29.5	60	-0.02
19		Trichloro-1,2,2-trifluoroet	2.577	2.814	-9.2	67	-0.02
20		Carbon_disulfide	3.577	3.943	-10.2	67	-0.02
21		Dichloroethylene,_trans-1,2	1.788	2.063	-15.4	64	-0.01
22		Dichloroethane, 1,1-	2.435	2.649	-8.8	65	-0.02
23		Methyl-t-butyl_ether	3.729	4.210	-12.9	67	-0.02
24		Vinyl acetate	0.862	0.960	-11.4	65	-0.02
25		Methyl_ethyl_ketone	2.299	2.908	-26.5	66	-0.02
26		Dichloroethylene,_cis-1,2-	1.782	1.986	-11.4	65	-0.02
27		Hexane	2.346	2.480	-5.7	65	-0.01
28		Ethyl acetate	0.400	0.492	-23.0	67	-0.02
29		Chloroform	2.611	2.902	-11.1	66	-0.02
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	64	-0.02
31		Tetrahydrofuran	0.356	0.370	-3.9	65	-0.02
32		Dichloroethane,_1,2-	0.412	0.431	-4.6	65	-0.02
33		Trichloroethane,_1,1,1-	0.634	0.631	0.5	66	-0.02
34		Benzene	1.074	1.071	0.3	68	-0.02
35		Carbon_tetrachloride	0.534	0.543	-1.7	64	-0.02
36		Cyclohexane	0.548	0.530	3.3	66	-0.02
37		Dichloropropane,_1,2-	0.373	0.357	4.3	66	-0.02
38		Bromodichloromethane	0.758	0.719	5.1	64	-0.02
39		Dioxane, 1,4-	0.271	0.248	8.5	69	-0.02
40		Trichloroethylene	0.580	0.477	17.8	66	-0.02
41		Trimethylpentane,_2,2,4-	0.767	0.691	9.9	64	-0.02
42		Heptane	0.666	0.644	3.3	66	-0.01
43		Dichloropropene,_cis-1,3-	0.612	0.597	2.5	66	-0.01
44		Methyl_isobutyl_ketone	0.712	0.751	-5.5	67	-0.02
45		Dichloropropene,_trans-1,3-	0.568	0.600	-5.6	67	-0.01
46		Trichloroethane,_1,1,2-	0.411	0.387	5.8	66	-0.01

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214dcs.D
Acq On : 14 Dec 2006 08:11
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 14 08:51:30 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Thu Dec 14 08:51:24 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	65	-0.01
48		Toluene	1.514	1.342	11.4	67	-0.01
49		Methyl butyl ketone	0.662	0.717	-8.3	69	-0.01
50		Dibromochloromethane	0.714	0.652	8.7	67	-0.01
51		Dibromoethane,_1,2-	0.696	0.621	10.8	67	-0.01
52		Tetrachloroethylene	0.758	0.605	20.2	67	-0.01
53		Chlorobenzene	1.108	1.021	7.9	67	-0.01
54		Ethylbenzene	1.719	1.688	1.8	67	-0.01
55		Xylene,_m_&_p-	2.892	2.824	2.4	67	-0.01
56		Bromoform	0.156	0.143	8.3	63	-0.01
57		Styrene	1.114	1.065	4.4	67	-0.01
58		Tetrachloroethane,_1,1,2,2-	1.169	1.054	9.8	66	-0.01
59		Xylene,_o-	1.615	1.497	7.3	67	-0.01
60	S	Bromofluorobenzene_(tune_st	0.734	0.750	-2.2	66	0.00
61		Cumene	0.277	0.257	7.2	67	-0.01
62		Chlorotoluene,_2-	0.129	0.136	-5.4	67	0.00
63		Ethyltoluene,_4-	1.889	1.820	3.7	66	0.00
64		Trimethylbenzene,_1,3,5-	1.692	1.609	4.9	67	-0.01
65		Trimethylbenzene,_1,2,4-	1.612	1.543	4.3	67	-0.01
66		Benzyl chloride	1.490	1.478	0.8	65	-0.01
67		Dichlorobenzene,_1,3-	1.301	1.061	18.4	65	-0.01
68		Dichlorobenzene,_1,4-	1.203	1.027	14.6	67	0.00
69		Dichlorobenzene,_1,2-	1.087	0.927	14.7	67	-0.01
70		Trichlorobenzene,_1,2,4-	0.601	0.495	17.6	71	0.00
71		Hexachlorobutadiene	0.290	0.237	18.3	65	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214dcs.D
Acq On : 14 Dec 2006 08:11
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 14 08:51:30 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Thu Dec 14 08:51:24 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	54390	10.00	ppbV		-0.02
30) Difluorobenzene,_1,4-_(IS)	10.68	114	254612	10.00	ppbV		-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	249882	10.00	ppbV		-0.01
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	187352	10.22	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.20%				
Target Compounds							Qvalue
2) Propene	3.81	41	57715	11.01	ppbV		100
3) Dichlorodifluoromethane	3.89	85	160253	11.29	ppbV		100
4) Chloromethane	4.07	50	68376	11.53	ppbV		100
5) Dichlorotetrafluoroethane	4.18	85	190412	11.32	ppbV		99
6) Vinyl_chloride	4.30	62	100273	10.81	ppbV		100
7) Butadiene,_1,3-	4.44	54	85482	12.50	ppbV		99
8) Bromomethane	4.72	94	59344	10.75	ppbV		100
9) Chloroethane	4.89	64	42500	10.76	ppbV		100
10) Ethanol	5.10	45	25033	12.95	ppbV		100
11) Bromoethene	5.23	106	24674	11.54	ppbV		99
12) Acetone	5.51	43	106505	11.93	ppbV		100
13) Trichlorofluoromethane	5.64	101	154539	11.89	ppbV		100
14) Isopropyl alcohol	5.78	45	136776	12.11	ppbV		100
15) Dichloroethylene,_1,1-	6.27	61	120587	11.17	ppbV		99
16) Butyl_Alcohol,_tert	6.37	59	50621	10.51	ppbV		100
17) Methylene_chloride	6.39	49	86881	10.77	ppbV		99
18) Chloropropene,_3-	6.52	76	9792	12.95	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.64	101	153076	10.92	ppbV		99
20) Carbon_disulfide	6.69	76	214481	11.03	ppbV		100
21) Dichloroethylene,_trans-1,	7.33	61	112190	11.54	ppbV		100
22) Dichloroethane, 1,1-	7.54	63	144089	10.88	ppbV		100
23) Methyl-t-butyl_ether	7.59	73	228995	11.29	ppbV		100
24) Vinyl acetate	7.59	43	52209	11.14	ppbV	#	99
25) Methyl_ethyl_ketone	7.96	43	158140	12.65	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.41	61	108034	11.15	ppbV		99
27) Hexane	8.61	57	134913	10.58	ppbV		99
28) Ethyl acetate	8.64	61	26782	12.31	ppbV		100
29) Chloroform	8.73	83	157842	11.11	ppbV		99
31) Tetrahydrofuran	9.14	42	94252	10.39	ppbV		100
32) Dichloroethane,_1,2-	9.52	62	109849	10.48	ppbV		100
33) Trichloroethane,_1,1,1-	9.78	97	160695	9.96	ppbV		100
34) Benzene	10.29	78	272631	9.97	ppbV		100
35) Carbon_tetrachloride	10.45	117	138375	10.18	ppbV		100
36) Cyclohexane	10.59	56	135011	9.68	ppbV		99
37) Dichloropropane,_1,2-	11.22	63	90856	9.56	ppbV		100
38) Bromodichloromethane	11.44	83	183126	9.49	ppbV		100
39) Dioxane, 1,4-	11.47	88	63079	9.15	ppbV		99
40) Trichloroethylene	11.48	130	121406	8.22	ppbV		99
41) Trimethylpentane,_2,2,4-	11.51	57	175841	9.00	ppbV		100
42) Heptane	11.81	43	164093	9.67	ppbV		99
43) Dichloropropene,_cis-1,3-	12.50	75	151954	9.75	ppbV		100
44) Methyl_isobutyl_ketone	12.53	43	191128	10.54	ppbV		100
45) Dichloropropene,_trans-1,3	13.14	75	152878	10.57	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214dcs.D
Acq On : 14 Dec 2006 08:11
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 14 08:51:30 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Thu Dec 14 08:51:24 2006
Response via : Initial Calibration

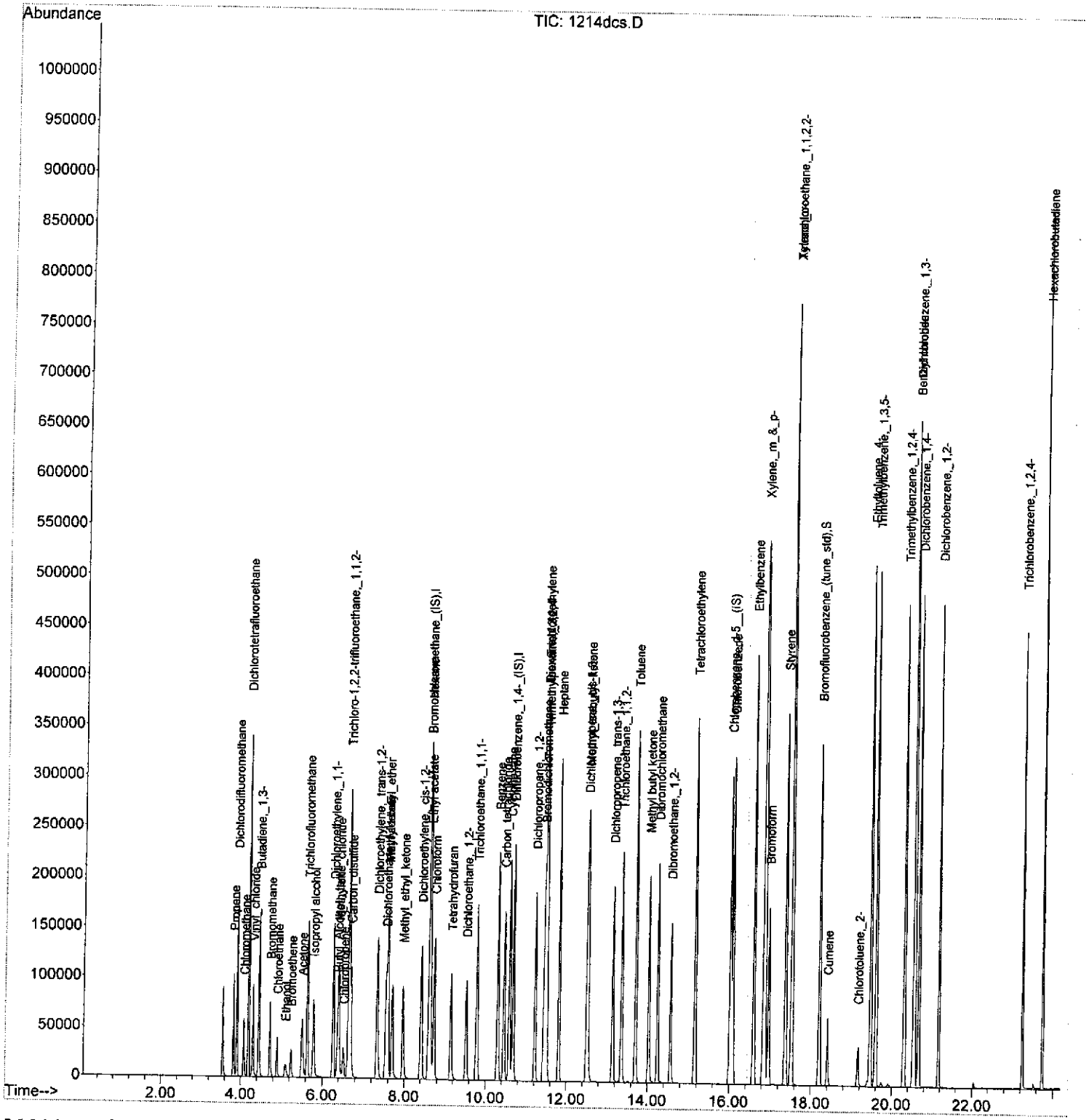
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	98597	9.41	ppbV	100
48) Toluene	13.70	91	335256	8.86	ppbV	100
49) Methyl butyl ketone	14.02	43	179053	10.82	ppbV	99
50) Dibromochloromethane	14.24	129	162995	9.14	ppbV	100
51) Dibromoethane,_1,2-	14.56	107	155201	8.93	ppbV	99
52) Tetrachloroethylene	15.16	166	151098	7.98	ppbV	100
53) Chlorobenzene	16.08	112	255068	9.22	ppbV	99
54) Ethylbenzene	16.59	91	421727	9.82	ppbV	99
55) Xylene,_m_&_p-	16.86	91	705617	9.76	ppbV	99
56) Bromoform	16.96	93	35656	9.15	ppbV	100
57) Styrene	17.37	104	266021	9.56	ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	263496	9.02	ppbV	99
59) Xylene,_o-	17.52	91	374168	9.27	ppbV	99
61) Cumene	18.41	105	64289	9.30	ppbV	100
62) Chlorotoluene,_2-	19.16	91	33908	10.56	ppbV	100
63) Ethyltoluene,_4-	19.47	105	454662	9.63	ppbV	100
64) Trimethylbenzene,_1,3,5-	19.59	105	401981	9.51	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	385490	9.57	ppbV	99
66) Benzyl chloride	20.53	91	369379	9.92	ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	265241	8.16	ppbV	100
68) Dichlorobenzene,_1,4-	20.66	146	256697	8.54	ppbV	100
69) Dichlorobenzene,_1,2-	21.16	146	231568	8.53	ppbV	100
70) Trichlorobenzene,_1,2,4-	23.24	180	123600	8.22	ppbV	99
71) Hexachlorobutadiene	23.74	190	59242	8.17	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214dcs.D
Acq On : 14 Dec 2006 08:11
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 14 08:51:30 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Thu Dec 14 08:51:24 2006
Response via : Initial Calibration



PAL1208.M Thu Dec 14 09:01:47 2006 S1

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215dcs.D
Acq On : 15 Dec 06 15:29
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 16:09:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Runs with this DCS	Data Files
BFB tune	1215bfb
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
Method Blank	1215blk
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane_(IS)	1.000	1.000	0.0	74	-0.01
2		Propene	0.964	0.897	7.0	65	-0.02
3		Dichlorodifluoromethane	2.611	2.416	7.5	64	-0.02
4		Chloromethane	1.090	1.051	3.6	65	-0.01
5		Dichlorotetrafluoroethane	3.093	2.962	4.2	67	-0.01
6		Vinyl_chloride	1.706	1.644	3.6	68	-0.02
7		Butadiene,_1,3-	1.257	1.407	-11.9	71	-0.02
8		Bromomethane	1.015	0.969	4.5	69	-0.02
9		Chloroethane	0.726	0.667	8.1	66	-0.02
10		Ethanol	0.355	0.399	-12.4	68	-0.02
11		Bromoethene	0.393	0.399	-1.5	68	-0.02
12		Acetone	1.641	1.620	1.3	65	-0.03
13		Trichlorofluoromethane	2.390	2.259	5.5	59	-0.02
14		Isopropyl alcohol	2.077	2.125	-2.3	65	-0.03
15		Dichloroethylene,_1,1-	1.984	1.867	5.9	65	-0.01
16		Butyl_Alcohol,_tert	0.885	0.909	-2.7	67	-0.03
17		Methylene_chloride	1.483	1.349	9.0	65	-0.01
18		Chloropropene,_3-	0.139	0.156	-12.2	63	-0.02
19		Trichloro-1,2,2-trifluoroet	2.577	2.428	5.8	70	-0.02
20		Carbon_disulfide	3.577	3.403	4.9	70	-0.02
21		Dichloroethylene,_trans-1,2	1.788	1.751	2.1	65	-0.02
22		Dichloroethane, 1,1-	2.435	2.196	9.8	65	-0.02
23		Methyl-t-butyl_ether	3.729	3.514	5.8	68	-0.02
24		Vinyl acetate	0.862	0.763	11.5	62	-0.02
25		Methyl_ethyl_ketone	2.299	2.395	-4.2	66	-0.02
26		Dichloroethylene,_cis-1,2-	1.782	1.663	6.7	66	-0.02
27		Hexane	2.346	2.126	9.4	67	-0.01
28		Ethyl acetate	0.400	0.405	-1.3	67	-0.01
29		Chloroform	2.611	2.362	9.5	65	-0.01
30	I	Difluorobenzene,_1,4-_(IS)	1.000	1.000	0.0	75	-0.01
31		Tetrahydrofuran	0.356	0.313	12.1	65	-0.02
32		Dichloroethane,_1,2-	0.412	0.366	11.2	65	-0.02
33		Trichloroethane,_1,1,1-	0.634	0.529	16.6	66	-0.02
34		Benzene	1.074	0.929	13.5	70	-0.01
35		Carbon_tetrachloride	0.534	0.466	12.7	65	-0.01
36		Cyclohexane	0.548	0.453	17.3	67	-0.01
37		Dichloropropane,_1,2-	0.373	0.310	16.9	68	-0.02
38		Bromodichloromethane	0.758	0.630	16.9	67	-0.01
39		Dioxane, 1,4-	0.271	0.221	18.5	73	-0.02
40		Trichloroethylene	0.580	0.428	26.2	71	-0.02
41		Trimethylpentane,_2,2,4-	0.767	0.605	21.1	66	-0.02
42		Heptane	0.666	0.549	17.6	67	-0.01
43		Dichloropropene,_cis-1,3-	0.612	0.525	14.2	69	0.00
44		Methyl_isobutyl_ketone	0.712	0.646	9.3	68	-0.01
45		Dichloropropene,_trans-1,3-	0.568	0.514	9.5	68	-0.02
46		Trichloroethane,_1,1,2-	0.411	0.342	16.8	70	-0.01

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215dcs.D
Acq On : 15 Dec 06 15:29
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Runs with this DCS	Data Files
BFB tune	1215bfb
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
Method Blank	1215blk
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 15 16:09:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47		Chlorobenzene,_d-5__(IS)	1.000	1.000	0.0	74	-0.01
48		Toluene	1.514	1.207	20.3	69	-0.01
49		Methyl butyl ketone	0.662	0.636	3.9	70	0.00
50		Dibromochloromethane	0.714	0.587	17.8	69	-0.01
51		Dibromoethane,_1,2-	0.696	0.582	16.4	71	0.00
52		Tetrachloroethylene	0.758	0.568	25.1	72	0.00
53		Chlorobenzene	1.108	0.923	16.7	70	-0.01
54		Ethylbenzene	1.719	1.524	11.3	69	0.00
55		Xylene,_m_&_p-	2.892	2.510	13.2	68	0.00
56		Bromoform	0.156	0.128	17.9	65	-0.01
57		Styrene	1.114	0.942	15.4	68	0.00
58		Tetrachloroethane,_1,1,2,2-	1.169	0.950	18.7	69	0.00
59		Xylene,_o-	1.615	1.341	17.0	68	0.00
60	S	Bromofluorobenzene_(tune_st	0.734	0.682	7.1	69	0.00
61		Cumene	0.277	0.225	18.8	67	-0.01
62		Chlorotoluene,_2-	0.129	0.114	11.6	65	0.00
63		Ethyltoluene,_4-	1.889	1.641	13.1	68	0.00
64		Trimethylbenzene,_1,3,5-	1.692	1.443	14.7	69	0.00
65		Trimethylbenzene,_1,2,4-	1.612	1.391	13.7	69	-0.01
66		Benzyl chloride	1.490	1.306	12.3	66	-0.01
67		Dichlorobenzene,_1,3-	1.301	0.947	27.2	67	-0.01
68		Dichlorobenzene,_1,4-	1.203	0.913	24.1	69	0.00
69		Dichlorobenzene,_1,2-	1.087	0.827	23.9	68	0.00
70		Trichlorobenzene,_1,2,4-	0.601	0.429	28.6	70	0.00
71		Hexachlorobutadiene	0.290	0.205	29.3	65	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215dcs.D
Acq On : 15 Dec 06 15:29
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 16:09:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	65881	10.00	ppbV	-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	301719	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	286120	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	195217	9.30	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 93.00%			
Target Compounds						Qvalue
2) Propene	3.81	41	59107	9.31	ppbV	100
3) Dichlorodifluoromethane	3.89	85	159167	9.25	ppbV	100
4) Chloromethane	4.07	50	69219	9.64	ppbV	100
5) Dichlorotetrafluoroethane	4.19	85	195136	9.58	ppbV	98
6) Vinyl_chloride	4.30	62	108327	9.64	ppbV	100
7) Butadiene,_1,3-	4.44	54	92700	11.19	ppbV	97
8) Bromomethane	4.71	94	63834	9.55	ppbV	100
9) Chloroethane	4.89	64	43975	9.19	ppbV	100
10) Ethanol	5.11	45	26288	11.23	ppbV	100
11) Bromoethene	5.23	106	26265	10.14	ppbV	99
12) Acetone	5.51	43	106750	9.87	ppbV	99
13) Trichlorofluoromethane	5.64	101	148826	9.45	ppbV	100
14) Isopropyl alcohol	5.79	45	139981	10.23	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	122995	9.41	ppbV	99
16) Butyl_Alcohol,_tert	6.37	59	59870	10.27	ppbV	100
17) Methylene_chloride	6.40	49	88906	9.10	ppbV	100
18) Chloropropene,_3-	6.51	76	10269	11.21	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.64	101	159928	9.42	ppbV	100
20) Carbon_disulfide	6.69	76	224165	9.51	ppbV	100
21) Dichloroethylene,_trans-1,	7.33	61	115359	9.79	ppbV	100
22) Dichloroethane, 1,1-	7.55	63	144660	9.02	ppbV	100
23) Methyl-t-butyl_ether	7.59	73	231482	9.42	ppbV	100
24) Vinyl acetate	7.59	43	50299	8.86	ppbV	#BC 99
25) Methyl_ethyl_ketone	7.96	43	157787	10.42	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.41	61	109541	9.33	ppbV	100
27) Hexane	8.61	57	140076	9.06	ppbV	98
28) Ethyl acetate	8.64	61	26688	10.13	ppbV	100
29) Chloroform	8.73	83	155607	9.05	ppbV	100
31) Tetrahydrofuran	9.15	42	94351	8.78	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	110481	8.89	ppbV	100
33) Trichloroethane,_1,1,1-	9.78	97	159515	8.34	ppbV	100
34) Benzene	10.30	78	280431	8.65	ppbV	100
35) Carbon_tetrachloride	10.45	117	140458	8.72	ppbV	100
36) Cyclohexane	10.59	56	136685	8.27	ppbV	100
37) Dichloropropane,_1,2-	11.22	63	93559	8.31	ppbV	100
38) Bromodichloromethane	11.44	83	189942	8.30	ppbV	99
39) Dioxane, 1,4-	11.47	88	66801	8.18	ppbV	98
40) Trichloroethylene	11.48	130	129029	7.38	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	182433	7.88	ppbV	100
42) Heptane	11.81	43	165647	8.24	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	158426	8.58	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	194906	9.07	ppbV	100
45) Dichloropropene,_trans-1,3	13.13	75	155068	9.05	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215dcs.D
Acq On : 15 Dec 06 15:29
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 16:09:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

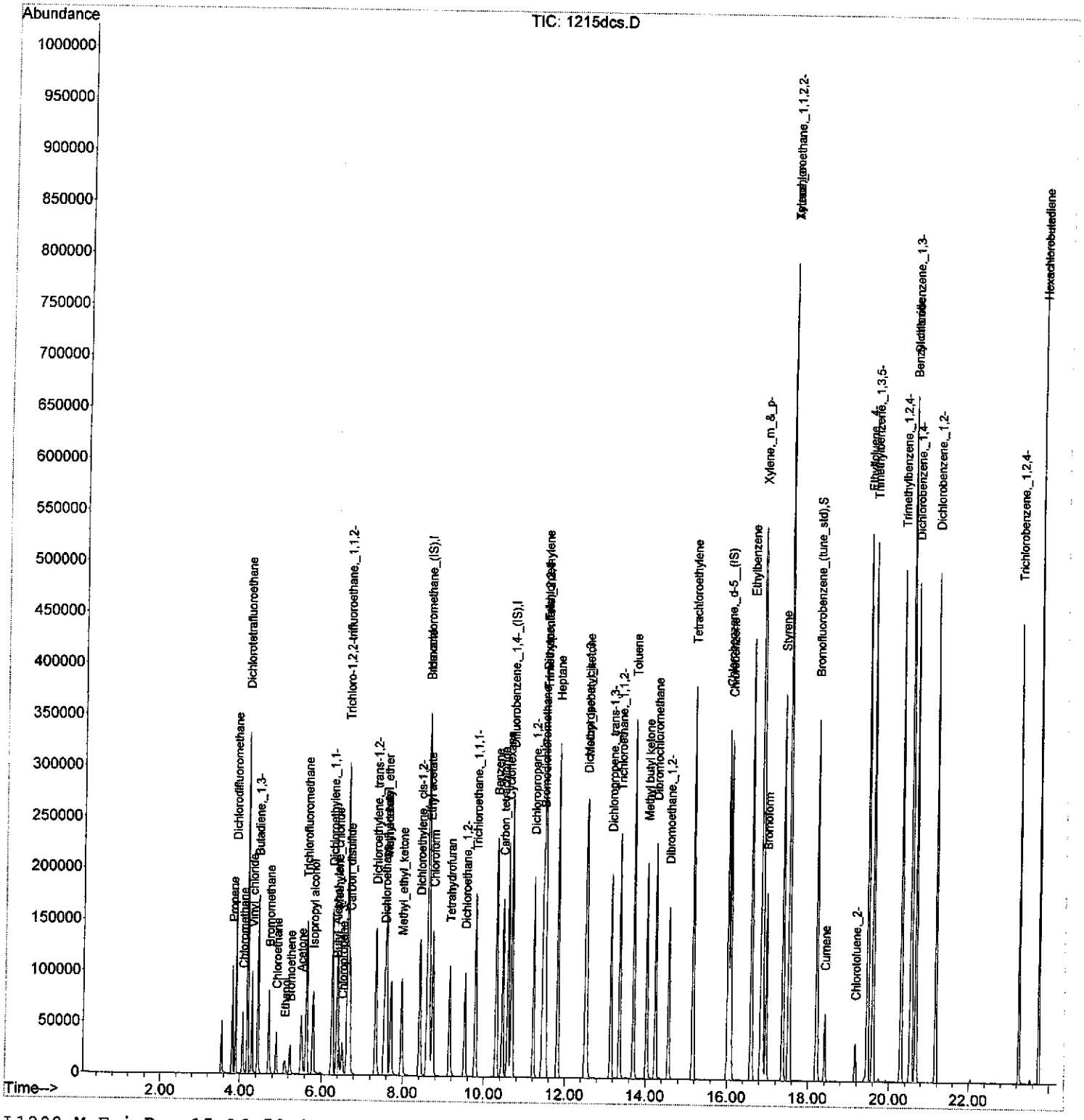
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	103213	8.31	ppbV	100
48) Toluene	13.70	91	345252	7.97	ppbV	99
49) Methyl butyl ketone	14.02	43	182062	9.61	ppbV	100
50) Dibromochloromethane	14.24	129	167867	8.22	ppbV	100
51) Dibromoethane,_1,2-	14.56	107	166417	8.36	ppbV	99
52) Tetrachloroethylene	15.16	166	162471	7.49	ppbV	99
53) Chlorobenzene	16.08	112	264099	8.33	ppbV	99
54) Ethylbenzene	16.60	91	435969	8.86	ppbV	99
55) Xylene,_m_&_p-	16.86	91	718231	8.68	ppbV	99
56) Bromoform	16.96	93	36663	8.21	ppbV	100
57) Styrene	17.37	104	269531	8.46	ppbV	99
58) Tetrachloroethane,_1,1,2,2	17.52	83	271885	8.13	ppbV	100
59) Xylene,_o-	17.53	91	383549	8.30	ppbV	99
61) Cumene	18.41	105	64254	8.11	ppbV	100
62) Chlorotoluene,_2-	19.16	91	32676	8.89	ppbV	100
63) Ethyltoluene,_4-	19.46	105	469500	8.69	ppbV	100
64) Trimethylbenzene,_1,3,5-	19.60	105	412924	8.53	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	398060	8.63	ppbV	99
66) Benzyl chloride	20.53	91	373665	8.76	ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	270973	7.28	ppbV	100
68) Dichlorobenzene,_1,4-	20.66	146	261223	7.59	ppbV	100
69) Dichlorobenzene,_1,2-	21.16	146	236656	7.61	ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	122611	7.13	ppbV	99
71) Hexachlorobutadiene	23.74	190	58717	7.07	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215dcs.D
Acq On : 15 Dec 06 15:29
Operator : .
Sample : 10 ppbv DCS.
Misc : .
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 16:09:46 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration



PAL1208.M Fri Dec 15 16:58:00 2006 S1

Section IX: Raw Quality Control Data Package

BFB Spectra with Mass Listing

Method Blank Summary with
Quantitation Reports and Chromatograms

Laboratory Control Sample Summary with
Quantitation Reports and Chromatograms

Copy of Instrument Run Logs

Pressure Gauge Readings (initial and final)

Example Calculations

Screening Data

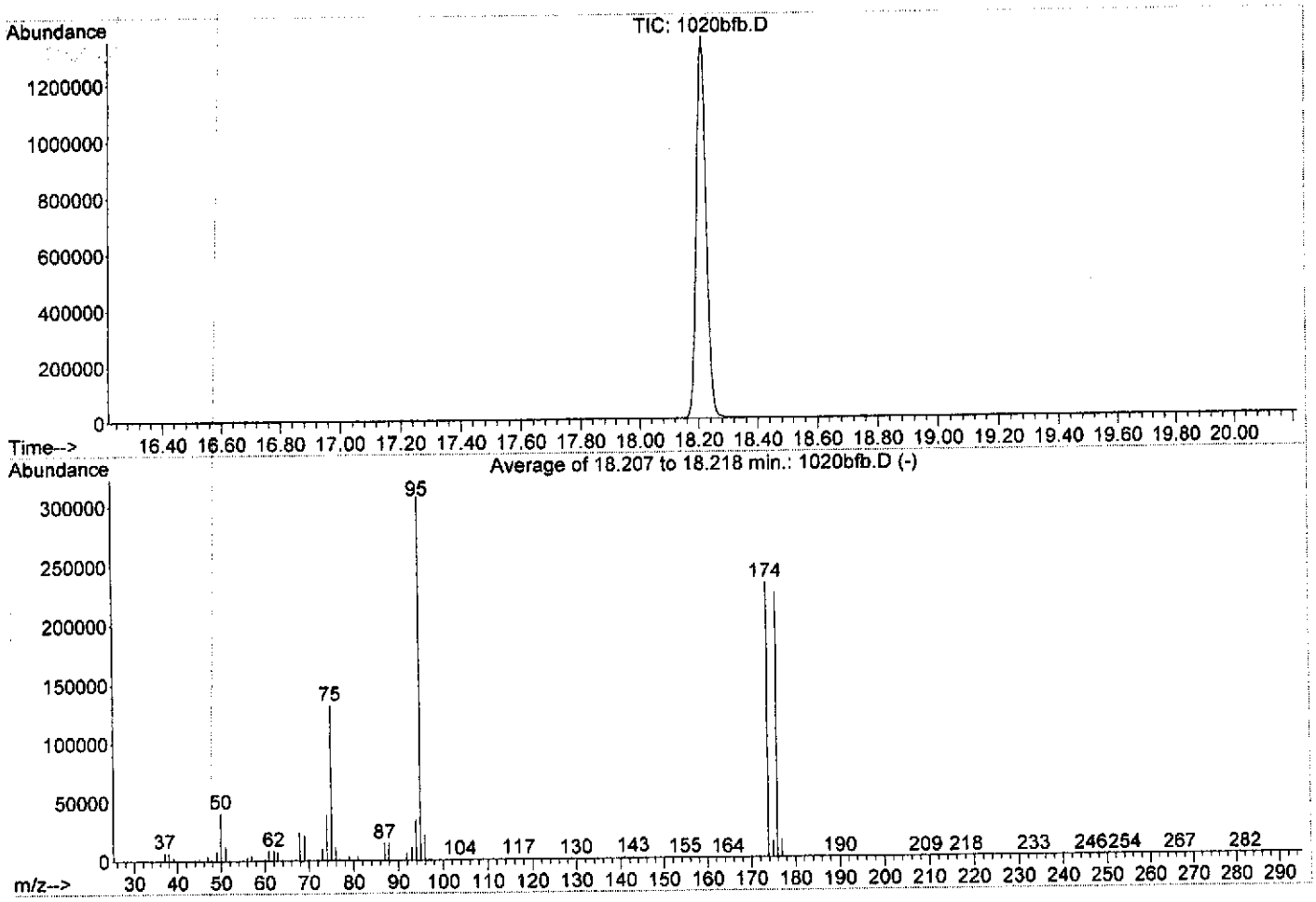
Clean Canister Certification Summary with
Quantitation Reports and Chromatograms

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1020bfb.D
Acq On : 20 Oct 2006 08:54
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL0906.M
Title : TO-15
Last Update : Fri Oct 06 10:39:30 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1020std01
30 ppbv TO-15 Standard	1020std02
20 ppbv TO-15 Standard	1020std03
10 ppbv TO-15 Standard	1020std04
0.5 ppbv TO-15 Standard	1020std05



AutoFind: Scans 3279, 3280, 3281; Background Corrected with Scan 3263

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.3	40902	PASS
75	95	30	66	43.1	132690	PASS
95	95	100	100	100.0	307999	PASS
96	95	5	9	7.1	21717	PASS
173	174	0.00	2	0.4	918	PASS
174	95	50	120	75.5	232554	PASS
175	174	4	9	5.9	13776	PASS
176	174	93	101	96.4	224213	PASS
177	176	5	9	6.8	15205	PASS

BFB

Data Path: P:\ChemStation\Data_Oct\

Data File: 1031BFB.D

Acq On: 10/31/2006 8:00:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1020.M

Title: TO-15

Last Update: Mon Oct 23 09:45:27 2006

Runs with this BFB

10 PPBV DCS. [1031DCS]; 10 PPBV LCS [1031LCS01]; 10 PPBV LCS [1031LCS02]; 1070 [103105]; 3003 [103109]; METHOD BLANK [1031BLK]

Spectrum Information: Average of 18.223 to 18.234 min.

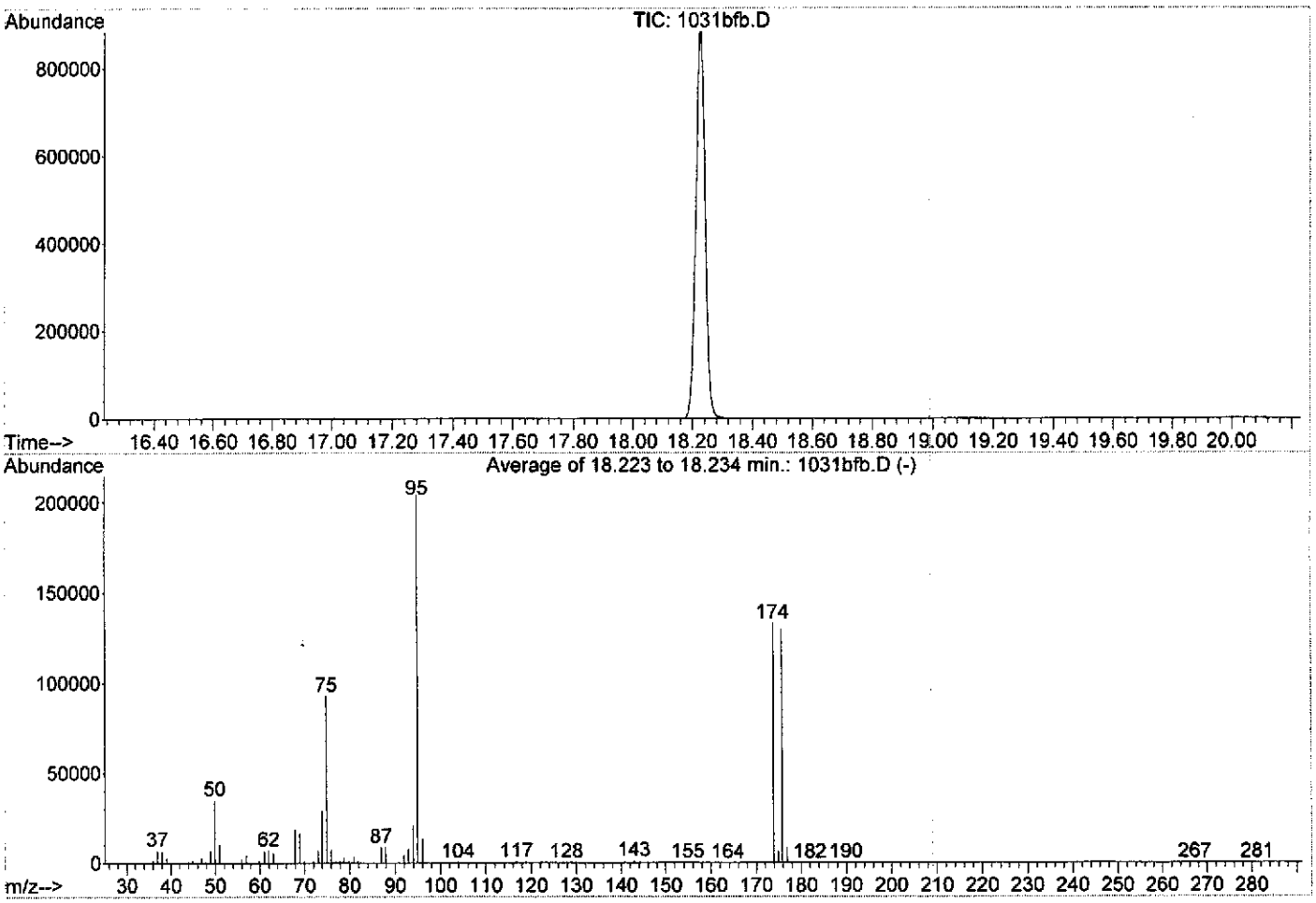
Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	17.1	34938	PASS
75	95	30	66	45.4	92744	PASS
95	95	100	100	100.0	204222	PASS
96	95	5	9	6.5	13301	PASS
173	174	0.00	2	0.3	391	PASS
174	95	50	120	65.1	132978	PASS
175	174	4	9	4.9	6461	PASS
176	174	93	101	97.5	129709	PASS
177	176	5	9	6.3	8180	PASS

PAL1020.M Wed Nov 08 16:04:37 2006 IAL

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031bfb.D
Acq On : 31 Oct 2006 08:00
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1004.M
Title : TO-15
Last Update : Wed Oct 18 08:41:16 2006



AutoFind: Scans 3270, 3271, 3272; Background Corrected with Scan 3257

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.1	34938	PASS
75	95	30	66	45.4	92744	PASS
95	95	100	100	100.0	204222	PASS
96	95	5	9	6.5	13301	PASS
173	174	0.00	2	0.3	391	PASS
174	95	50	120	65.1	132978	PASS
175	174	4	9	4.9	6461	PASS
176	174	93	101	97.5	129709	PASS
177	176	5	9	6.3	8180	PASS

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1102bfb.D
Acq On : 02 Nov 2006 08:00
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

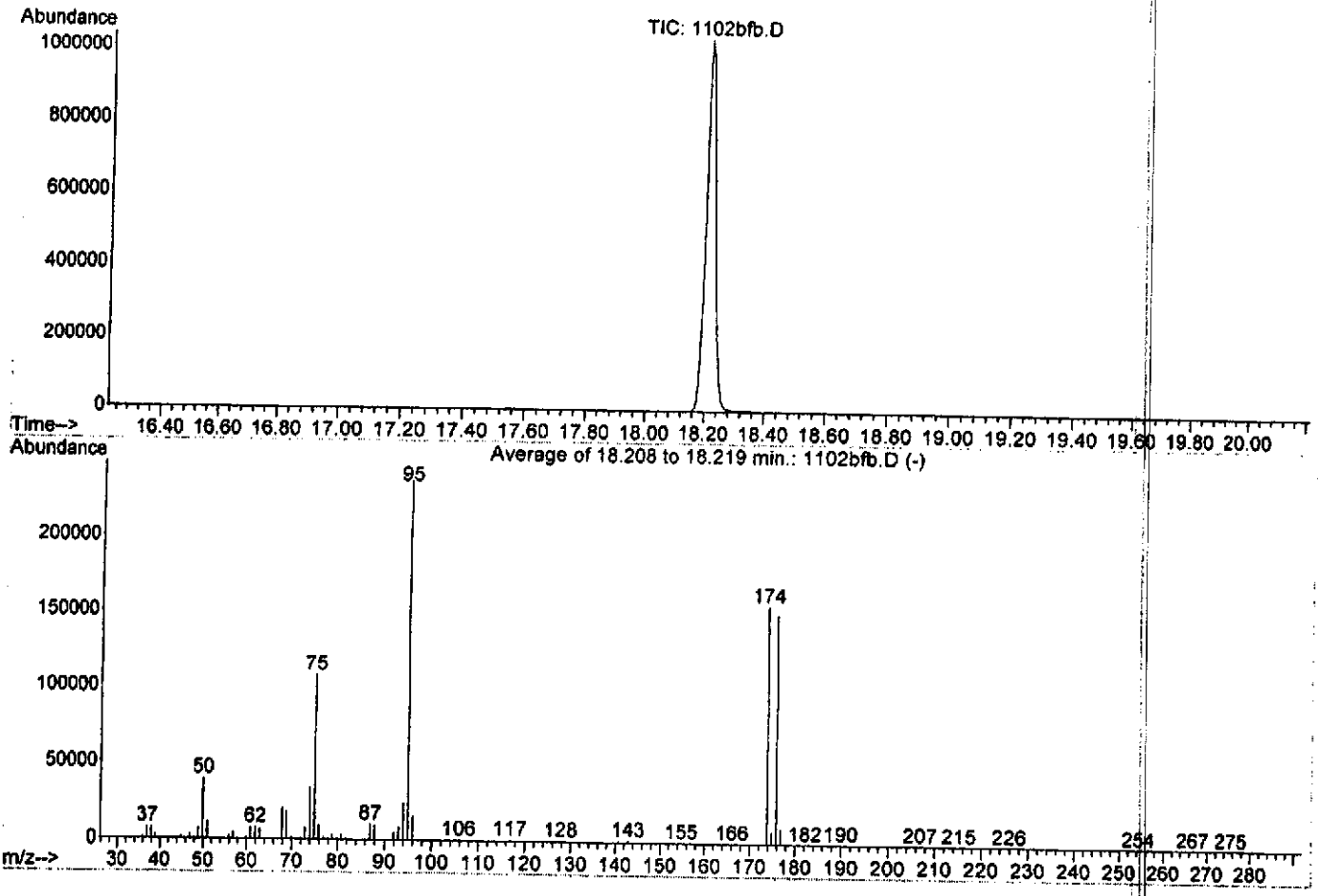
Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Title : TO-15
Last Update : Wed Nov 01 13:59:19 2006

Runs with this BFB Tune

Initial Calibration
40 ppbv TO-15 Standard
30 ppbv TO-15 Standard
20 ppbv TO-15 Standard
10 ppbv TO-15 Standard
0.5 ppbv TO-15 Standard

Data Files

1102std01
1102std02
1102std03
1102std04
1102std05



AutoFind: Scans 3274, 3275, 3276; Background Corrected with Scan 3261

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.7	39642	PASS
75	95	30	66	45.6	108205	PASS
95	95	100	100	100.0	237415	PASS
96	95	5	9	6.8	16091	PASS
173	174	0.00	2	0.4	557	PASS
174	95	50	120	66.0	156778	PASS
175	174	4	9	5.1	7970	PASS
176	174	93	101	96.4	151168	PASS
177	176	5	9	6.7	10063	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Certs\

Data File: 1107BFB.D

Acq On: 11/7/2006 8:16:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1102.M

Title: TO-15

Last Update: Fri Nov 10 11:17:05 2006

Runs with this BFB

10 PPBV DCS. [1107DCS]; 10 PPBV LCS [1107LCS01]; 10 PPBV LCS [1107LCS02]; 3044 [110719]; METHOD BLANK [1107BLK]

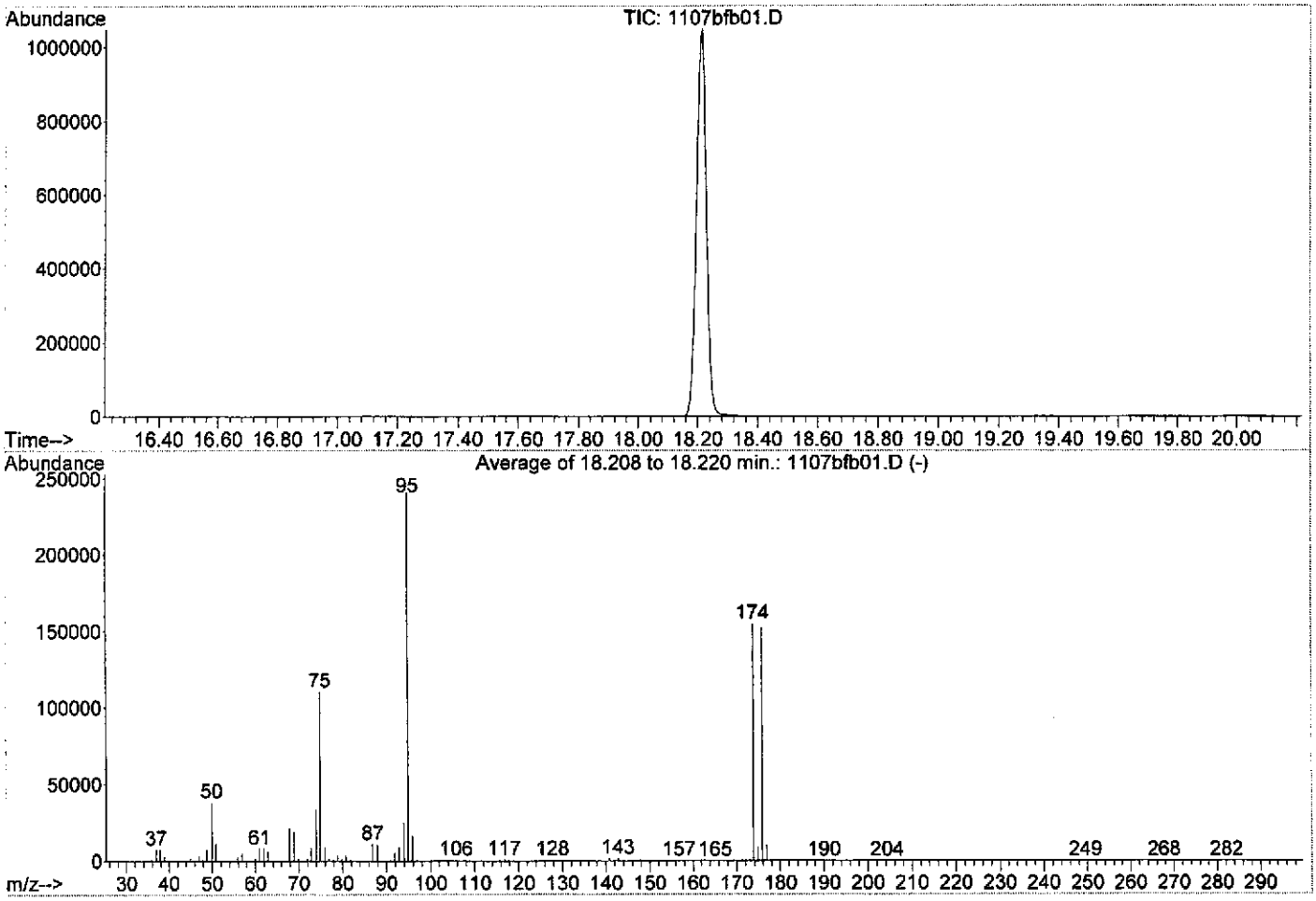
Spectrum Information:

Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	16.0	38442	PASS
75	95	30	66	45.8	110422	PASS
95	95	100	100	100.0	240957	PASS
96	95	5	9	6.6	15953	PASS
173	174	0.00	2	0.4	636	PASS
174	95	50	120	64.3	154858	PASS
175	174	4	9	5.5	8531	PASS
176	174	93	101	98.5	152512	PASS
177	176	5	9	6.6	10097	PASS

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107bfb01.D
Acq On : 07 Nov 2006 08:16
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Title : TO-15
Last Update : Fri Nov 03 14:55:31 2006



AutoFind: Scans 3279, 3280, 3281; Background Corrected with Scan 3263

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.0	38442	PASS
75	95	30	66	45.8	110422	PASS
95	95	100	100	100.0	240957	PASS
96	95	5	9	6.6	15953	PASS
173	174	0.00	2	0.4	636	PASS
174	95	50	120	64.3	154858	PASS
175	174	4	9	5.5	8531	PASS
176	174	93	101	98.5	152512	PASS
177	176	5	9	6.6	10097	PASS

BFB

Data Path: P:\ChemStation\Data_Nov\

Data File: 1108BFB.D

Acq On: 11/8/2006 8:07:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1102.M

Title: TO-15

Last Update: Fri Nov 10 11:17:05 2006

Runs with this BFB

10 PPBV DCS. [1108DCS]; 10 PPBV LCS [1108LCS01]; 10 PPBV LCS [1108LCS02]; 2157 [110818]; 3045 [110816]; 3061 [110817]; METHOD BLANK [1108BLK]

Spectrum Information: Average of 18.208 to 18.219 min.

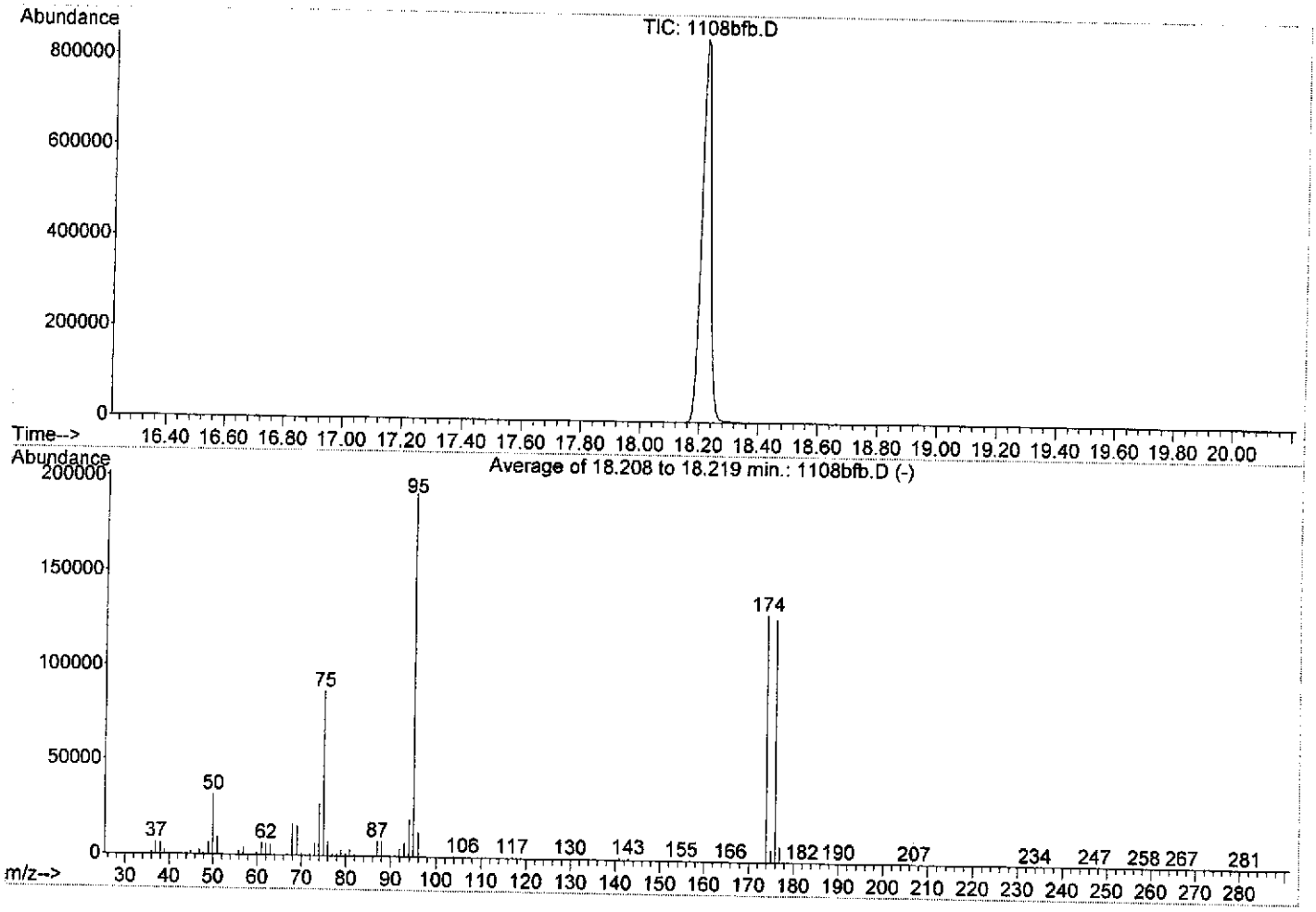
Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	16.6	31920	PASS
75	95	30	66	45.4	87130	PASS
95	95	100	100	100.0	192106	PASS
96	95	5	9	6.7	12914	PASS
173	174	0.00	2	0.3	381	PASS
174	95	50	120	68.0	130592	PASS
175	174	4	9	5.0	6506	PASS
176	174	93	101	98.4	128456	PASS
177	176	5	9	6.6	8433	PASS

PAL1102.M Mon Nov 20 15:56:08 2006 IAL

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108bfb.D
Acq On : 08 Nov 2006 08:07
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Title : TO-15
Last Update : Tue Nov 07 09:50:42 2006



AutoFind: Scans 3279, 3280, 3281; Background Corrected with Scan 3266

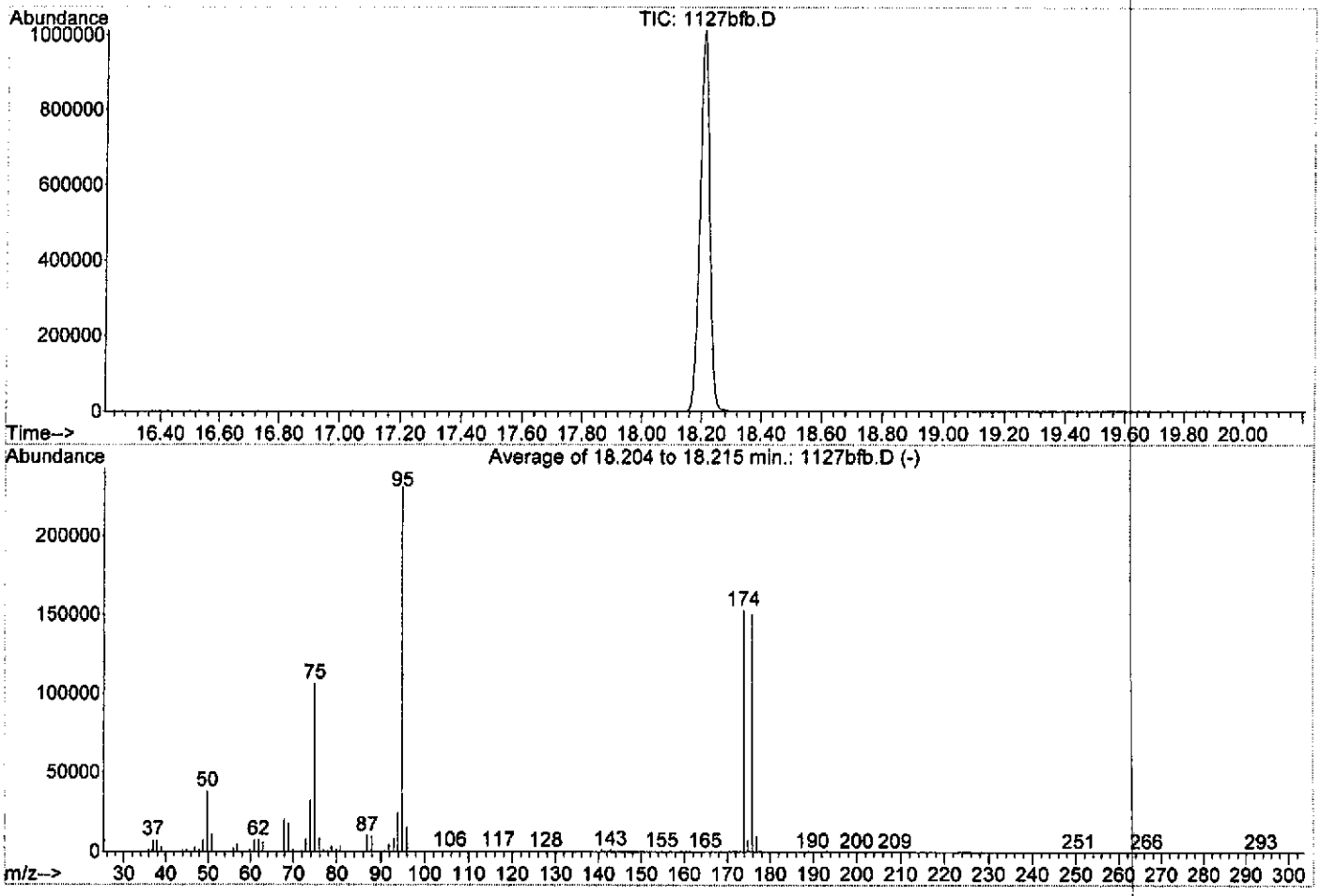
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.6	31920	PASS
75	95	30	66	45.4	87130	PASS
95	95	100	100	100.0	192106	PASS
96	95	5	9	6.7	12914	PASS
173	174	0.00	2	0.3	381	PASS
174	95	50	120	68.0	130592	PASS
175	174	4	9	5.0	6506	PASS
176	174	93	101	98.4	128456	PASS
177	176	5	9	6.6	8433	PASS

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1127bfb.D
Acq On : 27 Nov 2006 10:54
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Title : TO-15
Last Update : Fri Nov 10 11:17:05 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1127std01
30 ppbv TO-15 Standard	1127std02
20 ppbv TO-15 Standard	1127std03
10 ppbv TO-15 Standard	1127std04
0.5 ppbv TO-15 Standard	1127std05



AutoFind: Scans 3278, 3279, 3280; Background Corrected with Scan 3262

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.5	38212	PASS
75	95	30	66	46.1	106800	PASS
95	95	100	100	100.0	231655	PASS
96	95	5	9	6.7	15528	PASS
173	174	0.00	2	0.4	659	PASS
174	95	50	120	66.0	152981	PASS
175	174	4	9	5.0	7588	PASS
176	174	93	101	98.4	150570	PASS
177	176	5	9	6.5	9790	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Certs\

Data File: 1206BFB_061206135147.D

Acq On: 12/6/2006 1:51:00PM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1127.M

Title: TO-15

Last Update: Tue Nov 28 10:27:04 2006

Runs with this BFB

10 PPBV DCS. [1206DCS_061206151240]; 10 PPBV LCS [1206LCS01]; 10 PPBV LCS [1206LCS02]; 3054 [120602]; METHOD BLANK [1206BLK]

Spectrum Information: Average of 18.212 to 18.224 min.

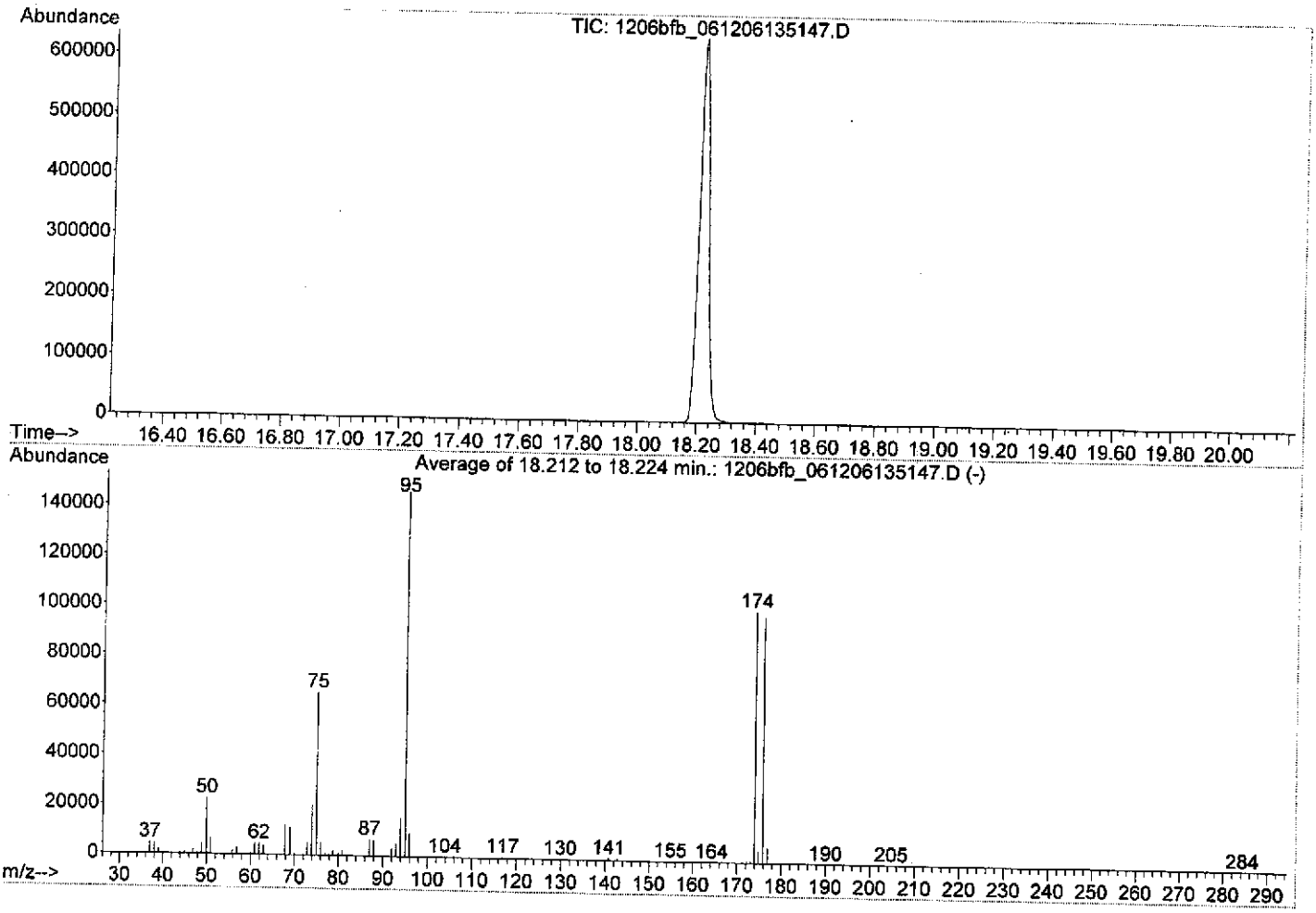
Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	15.4	22538	PASS
75	95	30	66	44.6	65290	PASS
95	95	100	100	100.0	146325	PASS
96	95	5	9	6.4	9333	PASS
173	174	0.00	2	0.4	430	PASS
174	95	50	120	68.7	100533	PASS
175	174	4	9	4.8	4789	PASS
176	174	93	101	97.7	98237	PASS
177	176	5	9	6.4	6249	PASS

PAL1127.M Tue Jan 09 15:25:49 2007 IAL

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206bfb_061206135147.D
Acq On : 06 Dec 06 13:51
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Title : TO-15
Last Update : Tue Dec 05 13:20:32 2006



AutoFind: Scans 3272, 3273, 3274; Background Corrected with Scan 3254

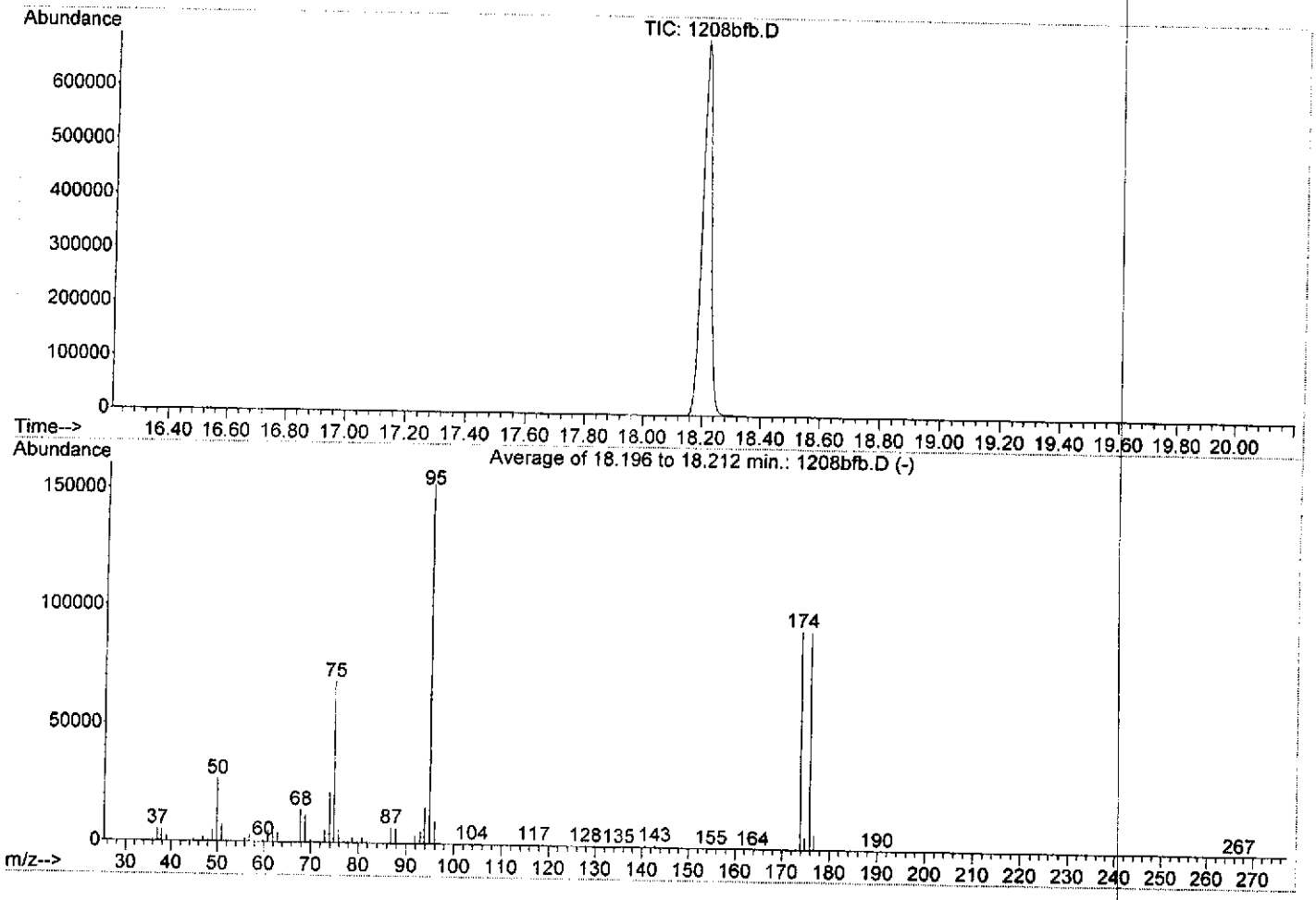
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.4	22538	PASS
75	95	30	66	44.6	65290	PASS
95	95	100	100	100.0	146325	PASS
96	95	5	9	6.4	9333	PASS
173	174	0.00	2	0.4	430	PASS
174	95	50	120	68.7	100533	PASS
175	174	4	9	4.8	4789	PASS
176	174	93	101	97.7	98237	PASS
177	176	5	9	6.4	6249	PASS

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1208bfb.D
Acq On : 08 Dec 2006 09:32
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Title : TO-15
Last Update : Tue Dec 05 13:20:32 2006

Runs with this BFB Tune	Data Files
Initial Calibration	
40 ppbv TO-15 Standard	1208std01
30 ppbv TO-15 Standard	1208std02
20 ppbv TO-15 Standard	1208std03
10 ppbv TO-15 Standard	1208std04
0.5 ppbv TO-15 Standard	1208std05



AutoFind: Scans 2181, 2182, 2183; Background Corrected with Scan 2171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	26781	PASS
75	95	30	66	44.9	68497	PASS
95	95	100	100	100.0	152722	PASS
96	95	5	9	6.4	9821	PASS
173	174	0.00	2	0.5	425	PASS
174	95	50	120	60.6	92576	PASS
175	174	4	9	5.2	4860	PASS
176	174	93	101	99.2	91826	PASS
177	176	5	9	6.7	6137	PASS

BFB

Data Path: P:\ChemStation\60695ESPL\Samples\

Data File: 1214BFB.D

Acq On: 12/14/2006 7:24:00AM

Operator: jls

Sample: BFB

Misc:

ALS Vial: 1 Multiplier: 1

Integration File: LSCINT.P

Method: P:\CHEMSTATION\METHOD\PAL1208.M

Title: TO-15

Last Update: Mon Dec 11 15:19:00 2006

Runs with this BFB

10 PPBV DCS. [1214DCS]; 10 PPBV LCS [1214LCS01]; 10 PPBV LCS [1214LCS02]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; METHOD BLANK [1214BLK_061214134343]

Spectrum Information: Average of 18.197 to 18.208 min.

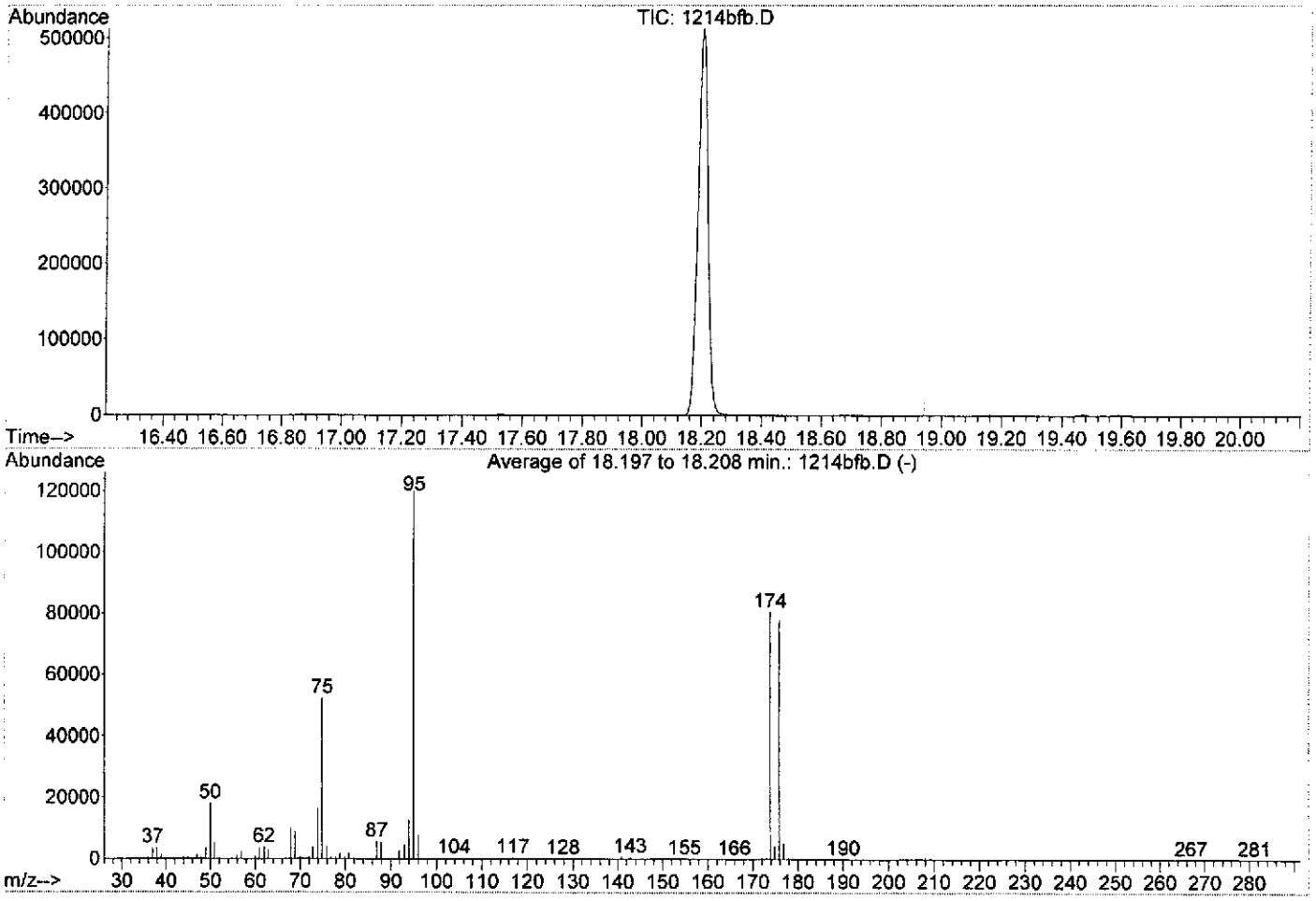
Target Mass	Rel. to Mass	Lower Limit %	Upper Limit %	Rel. Abn %	Raw Abn	Result Pass/Fail
50	95	8	40	15.2	18213	PASS
75	95	30	66	43.6	52362	PASS
95	95	100	100	100.0	119972	PASS
96	95	5	9	6.5	7744	PASS
173	174	0.00	2	0.4	337	PASS
174	95	50	120	67.1	80493	PASS
175	174	4	9	5.4	4326	PASS
176	174	93	101	96.8	77954	PASS
177	176	5	9	6.4	5019	PASS

PAL1208.M Mon Jan 08 17:50:45 2007 IAL

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214bfb.D
Acq On : 14 Dec 2006 07:24
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Title : TO-15
Last Update : Thu Dec 14 07:30:54 2006



AutoFind: Scans 3272, 3273, 3274; Background Corrected with Scan 3259

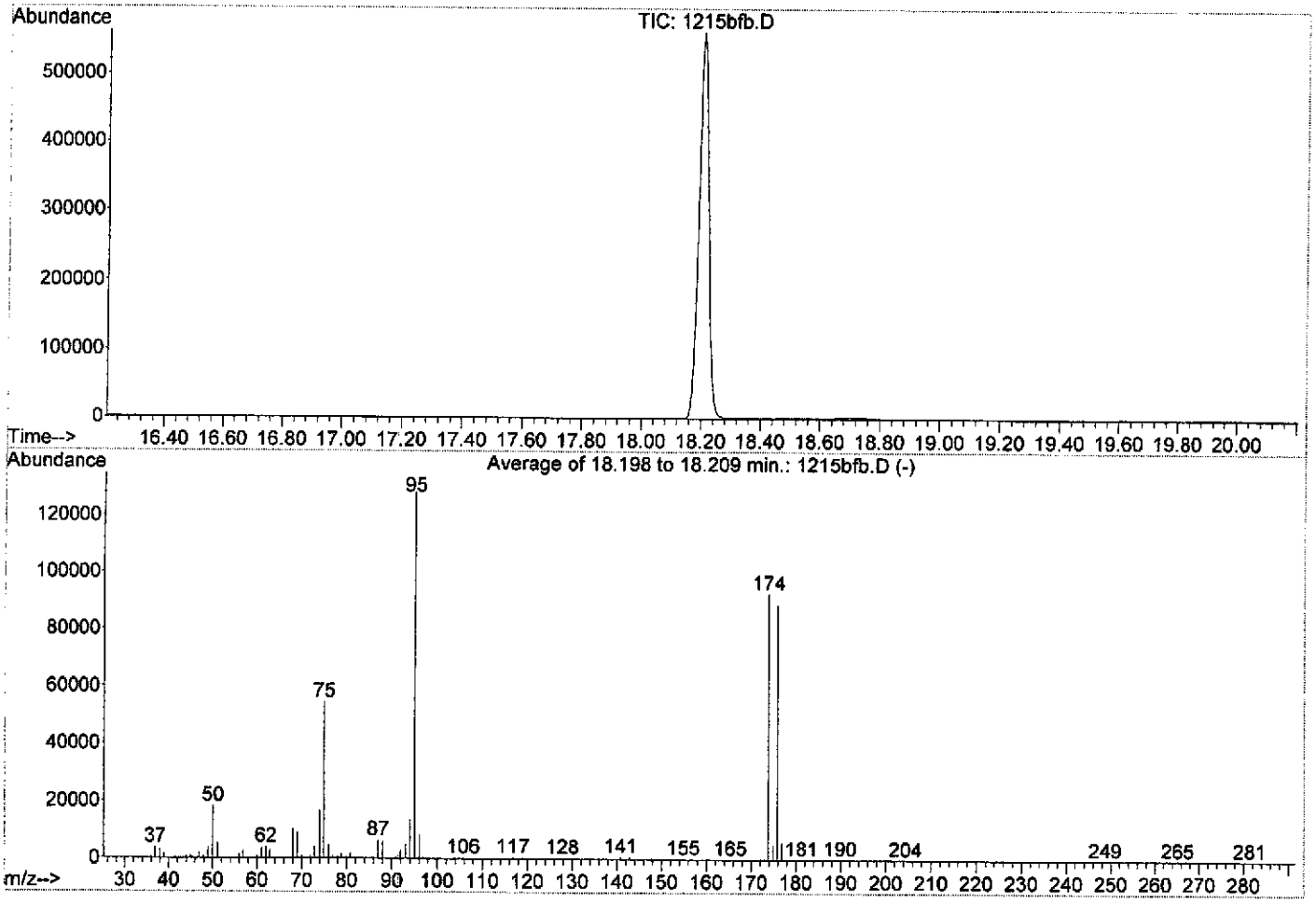
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.2	18213	PASS
75	95	30	66	43.6	52362	PASS
95	95	100	100	100.0	119972	PASS
96	95	5	9	6.5	7744	PASS
173	174	0.00	2	0.4	337	PASS
174	95	50	120	67.1	80493	PASS
175	174	4	9	5.4	4326	PASS
176	174	93	101	96.8	77954	PASS
177	176	5	9	6.4	5019	PASS

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215bfb.D
Acq On : 15 Dec 06 13:12
Operator : .
Sample : bfb.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Title : TO-15
Last Update : Tue Dec 12 09:03:02 2006

Runs with this bfb Tune	Data Files
10 ppbv Daily Calibration	1215dcs
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507



AutoFind: Scans 3277, 3278, 3279; Background Corrected with Scan 3262

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.1	18088	PASS
75	95	30	66	42.5	54573	PASS
95	95	100	100	100.0	128277	PASS
96	95	5	9	6.6	8420	PASS
173	174	0.00	2	0.4	414	PASS
174	95	50	120	72.5	92960	PASS
175	174	4	9	5.4	5022	PASS
176	174	93	101	95.8	89095	PASS
177	176	5	9	6.6	5903	PASS

Method Blank Report

Sample Name: METHOD BLANK

Data File: 1031BLK
Date Analyzed: 10/31/06

Runs with this Method Blank:

10 PPBV DCS. [1031DCS]; 10 PPBV LCS [1031LCS01]; 10 PPBV LCS [1031LCS02]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031blk.D
Acq On : 31 Oct 2006 11:42
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 14:00:21 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

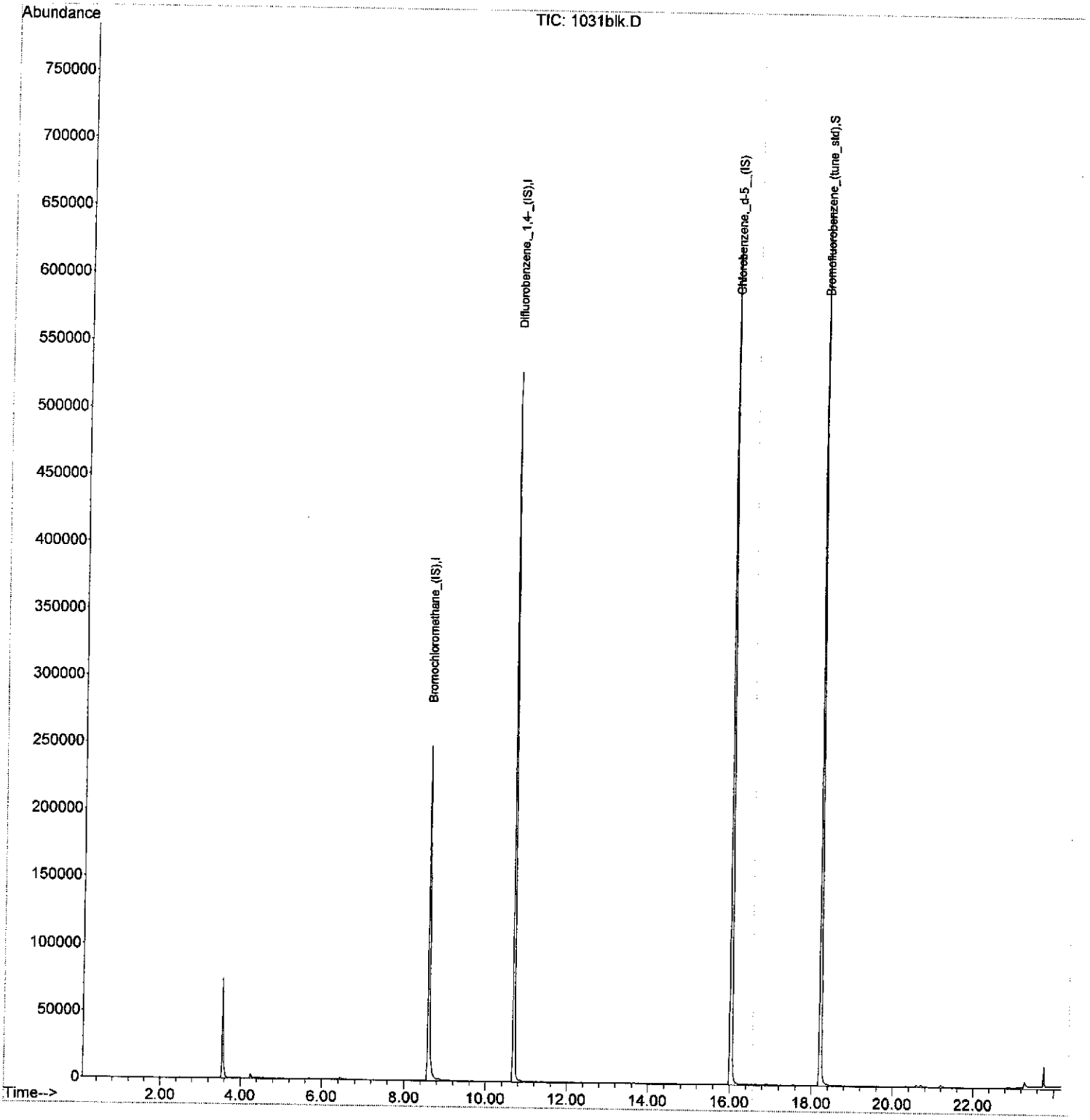
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	124019	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.69	114	578459	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	525921	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	367453	9.91	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031blk.D
Acq On : 31 Oct 2006 11:42
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 14:00:21 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



Method Blank Report

Sample Name: METHOD BLANK

Data File: 1107BLK
Date Analyzed: 11/7/06

Runs with this Method Blank:

10 PPBV DCS. [1107DCS]; 10 PPBV LCS [1107LCS01]; 10 PPBV LCS [1107LCS02]; 3044 [110719]; BFB [1107BFB]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107blk.D
Acq On : 07 Nov 2006 11:10
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 13:22:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

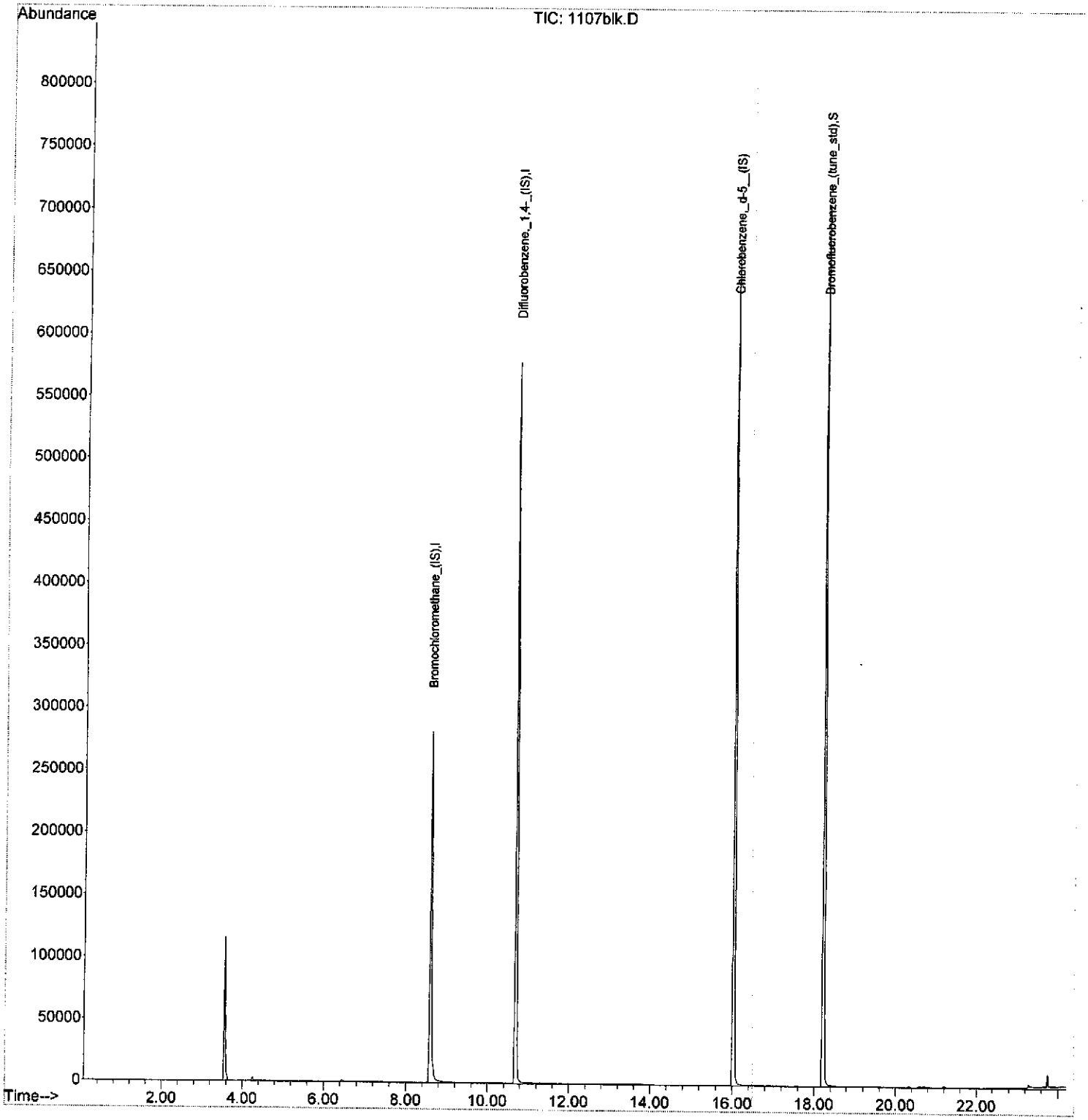
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	140079	10.00	ppbV	-0.02
30) Difluorobenzene,_1,4-_(IS)	10.69	114	647692	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	575822	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	391280	10.19	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107blk.D
Acq On : 07 Nov 2006 11:10
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 13:22:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



Method Blank Report

Sample Name: METHOD BLANK

Data File: 1108BLK
Date Analyzed: 11/8/06

Runs with this Method Blank:

10 PPBV DCS. [1108DCS]; 10 PPBV LCS [1108LCS01]; 10 PPBV LCS [1108LCS02]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108blk.D
Acq On : 08 Nov 2006 12:29
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 09:25:55 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

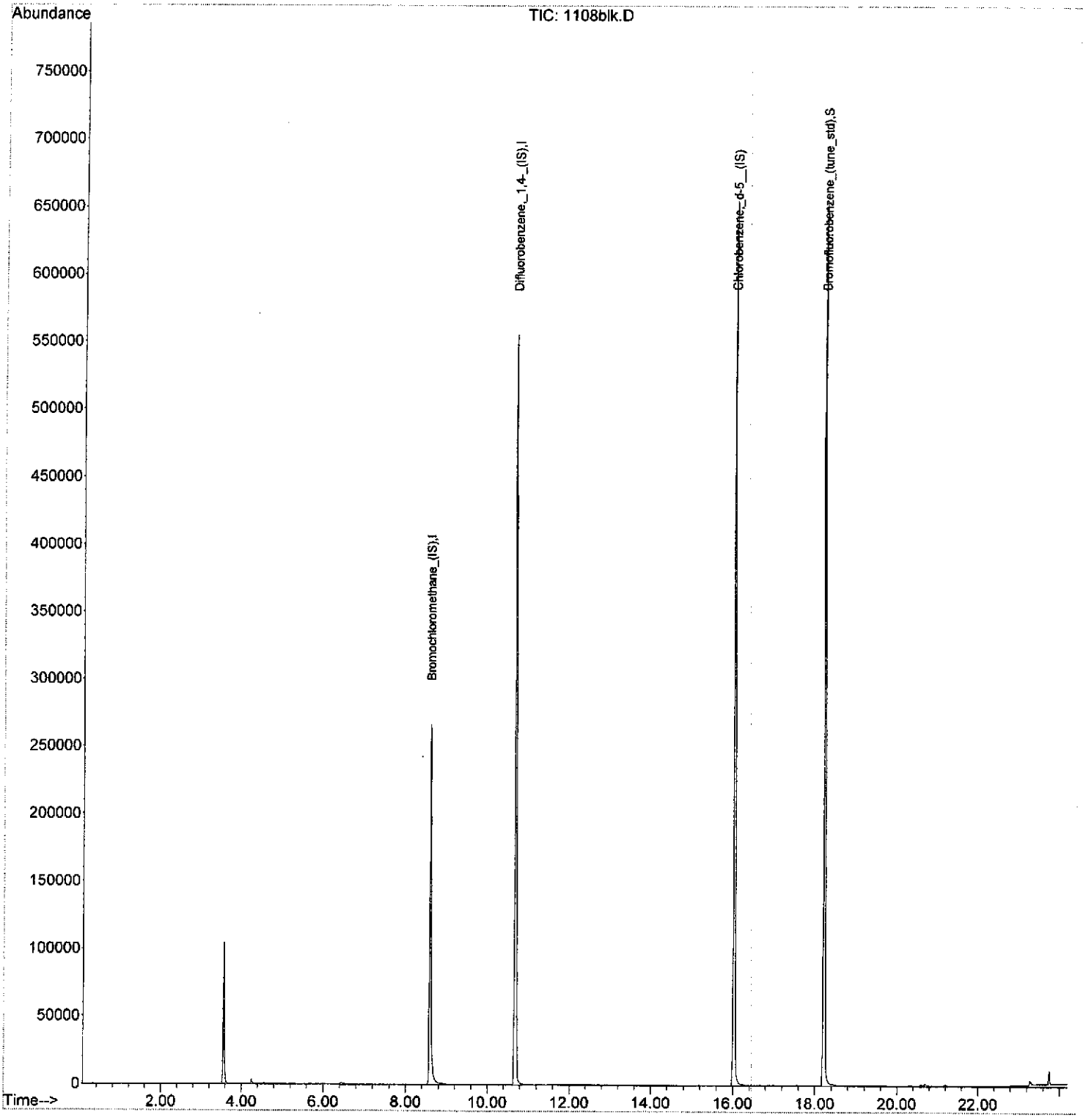
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	132243	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	612940	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	549780	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	379358	10.35	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 103.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108blk.D
Acq On : 08 Nov 2006 12:29
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 09 09:25:55 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



Method Blank Report

Sample Name: METHOD BLANK

Data File: 1206BLK
Date Analyzed: 12/6/06

Runs with this Method Blank:

10 PPBV DCS. [1206DCS_061206151240]; 10 PPBV LCS [1206LCS01]; 10 PPBV LCS [1206LCS02]; 3054 [120602]; BFB [1206BFB_061206135147]

Compound	CAS #	PQL	ppbv Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	ND
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	ND
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206blk.D
Acq On : 06 Dec 06 17:18
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 10:50:02 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

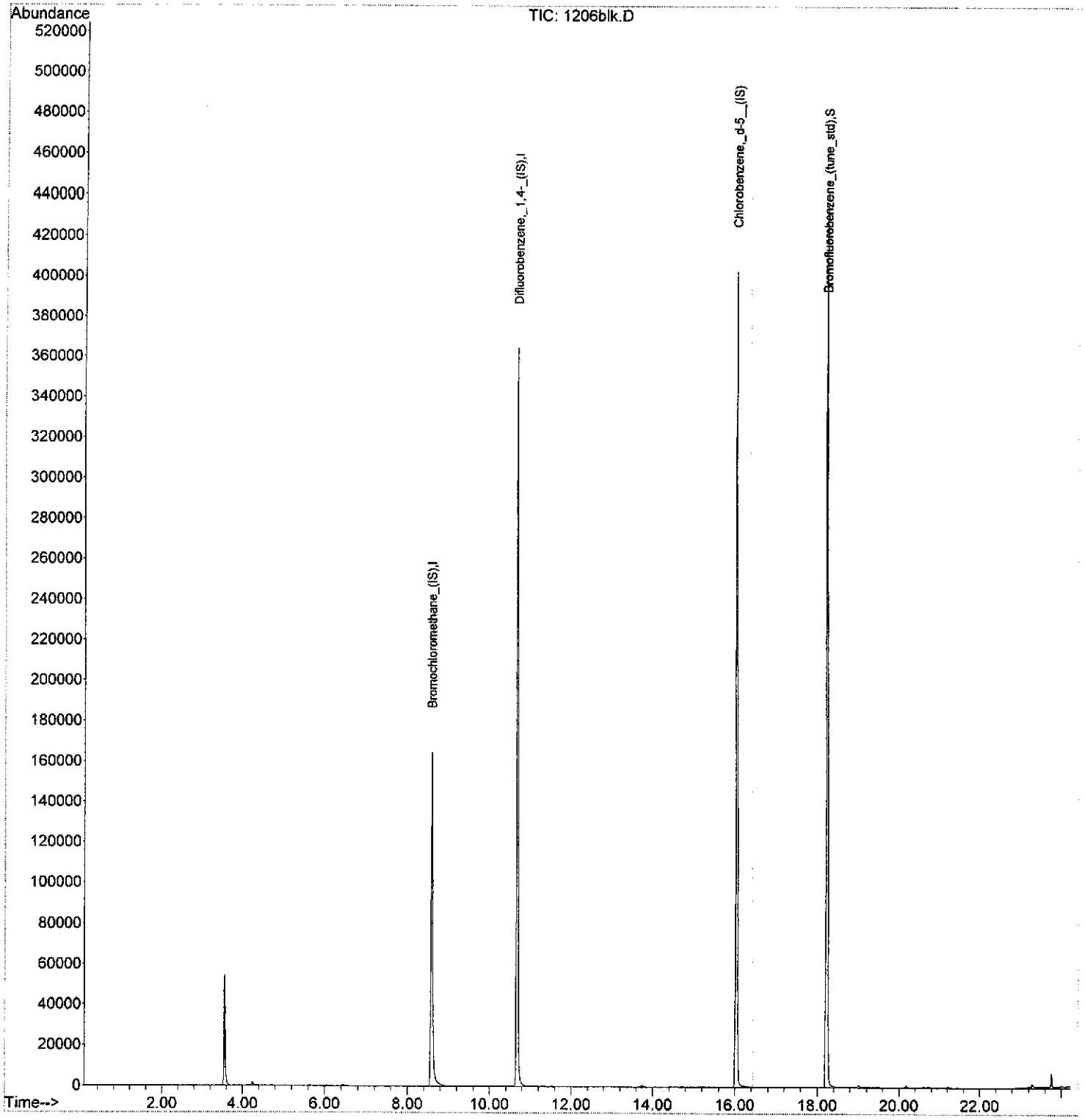
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	83507	10.00	ppbV	-0.02
30) Difluorobenzene,_1,4-_(IS)	10.68	114	395087	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	334004	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	247011	10.13	ppbV	0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206blk.D
Acq On : 06 Dec 06 17:18
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 10:50:02 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration



Method Blank Report

Sample Name: METHOD BLANK

Data File: 1214BLK_061214134343
Date Analyzed: 12/14/06

Runs with this Method Blank:

10 PPBV DCS. [1214DCS]; 10 PPBV LCS [1214LCS01]; 10 PPBV LCS [1214LCS02]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]

Compound	CAS #	POL (ppbv)	Calculated Amount
Acetone	67-64-1	0.50	ND
Benzene	71-43-2	0.078	ND
Bromodichloromethane	75-27-4	0.14	ND
Bromoethene	593-60-2	0.069	ND
Bromoform	75-25-2	0.11	ND
Bromomethane	74-83-9	0.28	ND
1,3-Butadiene	106-99-0	0.15	ND
tert-Butyl alcohol	75-65-0	0.15	ND
Carbon disulfide	75-15-0	0.15	ND
Carbon tetrachloride	56-23-5	0.17	ND
Chlorobenzene	108-90-7	0.039	ND
Chloroethane	75-00-3	0.13	ND
Chloroform	67-66-3	0.12	ND
Chloromethane	74-87-3	0.23	ND
3-Chloropropene	107-05-1	0.27	ND
2-Chlorotoluene	95-49-8	0.072	ND
Cyclohexane	110-82-7	0.16	ND
Dibromochloromethane	124-48-1	0.099	ND
1,2-Dibromoethane	106-93-4	0.066	ND
1,2-Dichlorobenzene	95-50-1	0.21	ND
1,3-Dichlorobenzene	541-73-1	0.17	ND
1,4-Dichlorobenzene	106-46-7	0.23	ND
Dichlorodifluoromethane	75-71-8	0.22	ND
1,1-Dichloroethane	75-34-3	0.16	ND
1,2-Dichloroethane	107-06-2	0.13	ND
1,1-Dichloroethylene	75-35-4	0.093	ND
cis-1,2-Dichloroethylene	156-59-2	0.14	ND
trans-1,2-Dichloroethylene	156-60-5	0.18	ND
1,2-Dichloropropane	78-87-5	0.087	ND
cis-1,3-Dichloropropene	10061-01-5	0.17	ND
trans-1,3-Dichloropropene	10061-02-6	0.19	ND
Dichlorotetrafluoroethane	76-14-2	0.28	ND
Ethylbenzene	100-41-4	0.030	ND
4-Ethyltoluene	622-96-8	0.27	ND
Heptane	142-82-5	0.081	ND
Hexachlorobutadiene	87-68-3	0.26	0.33
Hexane	110-54-3	0.11	ND
Methyl ethyl ketone	78-93-3	0.16	ND
Methyl isobutyl ketone	108-10-1	0.096	ND
Methylene chloride	75-09-2	0.24	ND
Methyl-t-butyl ether	1634-04-4	0.12	ND
Styrene	100-42-5	0.087	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.036	ND
Tetrachloroethylene	127-18-4	0.057	ND
Toluene	108-88-3	0.033	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.090	ND
1,2,4-Trichlorobenzene	120-82-1	0.29	0.35
1,1,1-Trichloroethane	71-55-6	0.093	ND
1,1,2-Trichloroethane	79-00-5	0.057	ND
Trichloroethylene	79-01-6	0.042	ND
Trichlorofluoromethane	75-69-4	0.15	ND
1,2,4-Trimethylbenzene	95-63-6	0.28	ND
1,3,5-Trimethylbenzene	108-67-8	0.29	ND
2,2,4-Trimethylpentane	540-84-1	0.033	ND
Vinyl chloride	75-01-4	0.13	ND
m or p-Xylene	1330-20-7	0.093	ND
o-Xylene	95-47-6	0.099	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214blk_061214134343.D
Acq On : 14 Dec 06 13:43
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 14 14:22:09 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Tue Dec 12 09:03:02 2006
Response via : Initial Calibration

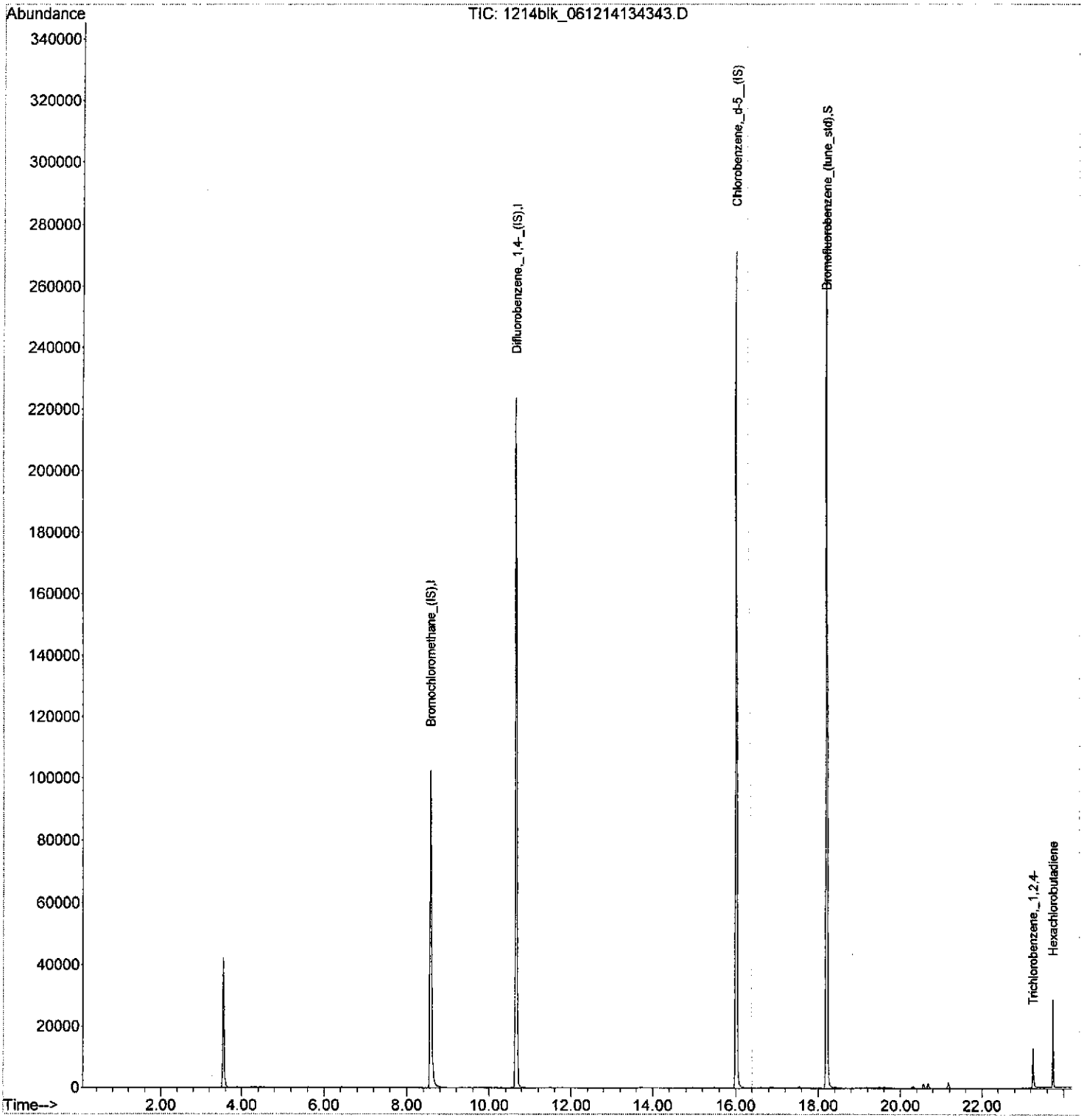
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.57	130	49126	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.67	114	235989	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.01	117	218301	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	160633	10.03	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.30%			
Target Compounds						Qvalue
70) Trichlorobenzene,_1,2,4-	23.26	180	4598	0.35	ppbV	98
71) Hexachlorobutadiene	23.74	190	2109	0.33	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214blk_061214134343.D
Acq On : 14 Dec 06 13:43
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 14 14:22:09 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Tue Dec 12 09:03:02 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215blk.D
Acq On : 15 Dec 06 17:50
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Method Blank	Data Files
BFB tune	1215bfb
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Laboratory Control Spike	1215lcs02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:35:16 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

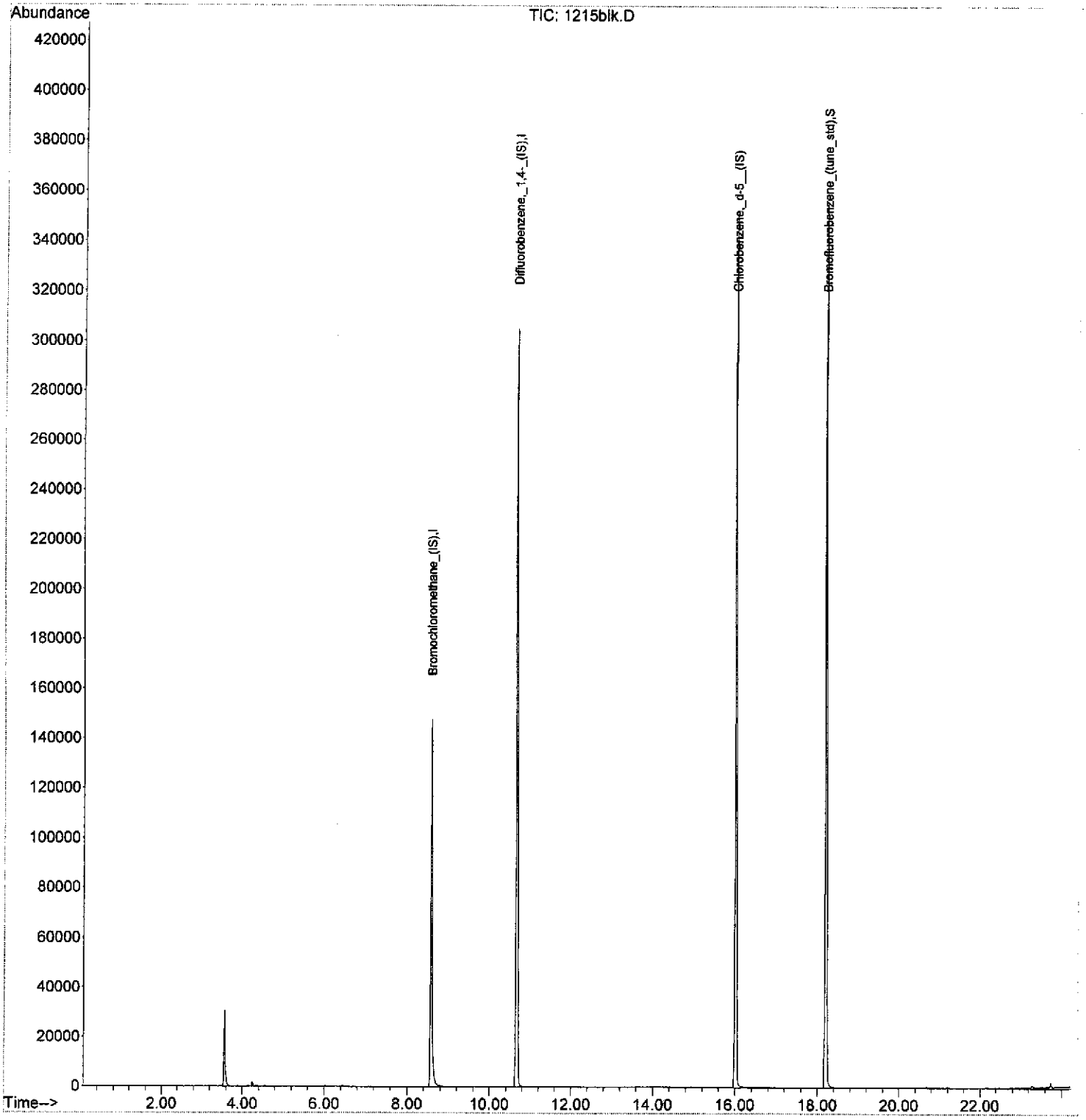
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	69895	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.67	114	327450	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.01	117	289055	10.00	ppbV	-0.02
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	196139	9.25	ppbV	-0.01
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215blk.D
Acq On : 15 Dec 06 17:50
Operator : .
Sample : Method Blank.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 16:35:16 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration



Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1031LCS01
Date Analyzed: 10/31/06

Runs with this LCS:

10 PPBV DCS. [1031DCS]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]; METHOD BLANK [1031BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	13	127
Benzene	71-43-2	10	101
Bromodichloromethane	75-27-4	9.5	95
Bromoethene	593-60-2	11	108
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	9.9	99
1,3-Butadiene	106-99-0	10	104
tert-Butyl alcohol	75-65-0	12	121
Carbon disulfide	75-15-0	10	102
Carbon tetrachloride	56-23-5	9.4	94
Chlorobenzene	108-90-7	9.8	98
Chloroethane	75-00-3	11	109
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	111
3-Chloropropene	107-05-1	11	113
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.4	94
Dibromochloromethane	124-48-1	9.1	91
1,2-Dibromoethane	106-93-4	9.1	91
1,2-Dichlorobenzene	95-50-1	11	105
1,3-Dichlorobenzene	541-73-1	10.0	100
1,4-Dichlorobenzene	106-46-7	10	105
Dichlorodifluoromethane	75-71-8	11	108
1,1-Dichloroethane	75-34-3	11	111
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	12	115
cis-1,2-Dichloroethylene	156-59-2	11	112
trans-1,2-Dichloroethylene	156-60-5	11	111
1,2-Dichloropropane	78-87-5	9.3	93
cis-1,3-Dichloropropene	10061-01-5	9.5	95
trans-1,3-Dichloropropene	10061-02-6	9.9	99
Dichlorotetrafluoroethane	76-14-2	11	106
Ethylbenzene	100-41-4	11	109
4-Ethyltoluene	622-96-8	12	119
Heptane	142-82-5	9.9	99
Hexachlorobutadiene	87-68-3	10	102
Hexane	110-54-3	11	107
Methyl ethyl ketone	78-93-3	13	126
Methyl isobutyl ketone	108-10-1	11	112
Methylene chloride	75-09-2	11	110
Methyl-t-butyl ether	1634-04-4	11	114
Styrene	100-42-5	10	103
1,1,2,2-Tetrachloroethane	79-34-5	10	102
Tetrachloroethylene	127-18-4	8.5	85
Toluene	108-88-3	10	104
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	100
1,2,4-Trichlorobenzene	120-82-1	9.8	98
1,1,1-Trichloroethane	71-55-6	9.5	95
1,1,2-Trichloroethane	79-00-5	8.9	89
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	11	114
1,2,4-Trimethylbenzene	95-63-6	11	112
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	9.1	91
Vinyl chloride	75-01-4	11	109
m or p-Xylene	1330-20-7	11	114
o-Xylene	95-47-6	11	106

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031lcs01.D
Acq On : 31 Oct 2006 10:22
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:20:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	116213	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	549894	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.04	117	516023	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.23	95	384776	10.58	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.80%			
Target Compounds						Qvalue
2) Propene	3.83	41	110045	11.33	ppbV	99
3) Dichlorodifluoromethane	3.91	85	284520	10.80	ppbV	100
4) Chloromethane	4.09	50	128381	11.06	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	337643	10.62	ppbV	97
6) Vinyl_chloride	4.32	62	176780	10.87	ppbV	100
7) Butadiene,_1,3-	4.46	54	146261	10.40	ppbV	99
8) Bromomethane	4.74	94	117459	9.86	ppbV	96
9) Chloroethane	4.91	64	86771	10.94	ppbV	100
10) Ethanol	5.14	45	56000	13.00	ppbV	96
11) Bromoethene	5.26	106	52593	10.76	ppbV	98
12) Acetone	5.54	43	209737	12.66	ppbV	98
13) Trichlorofluoromethane	5.66	101	301542	11.39	ppbV	97
14) Isopropyl alcohol	5.84	45	284232	12.64	ppbV	99
15) Dichloroethylene,_1,1-	6.29	61	247185	11.51	ppbV	98
16) Butyl_Alcohol,_tert	6.42	59	126367	12.10	ppbV	100
17) Methylene_chloride	6.43	49	175908	10.99	ppbV	98
18) Chloropropene,_3-	6.54	76	22197	11.33	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.67	101	315686	10.00	ppbV	97
20) Carbon_disulfide	6.72	76	427567	10.18	ppbV	100
21) Dichloroethylene,_trans-1,	7.36	61	230481	11.14	ppbV	99
22) Dichloroethane, 1,1-	7.58	63	292945	11.10	ppbV	100
23) Methyl-t-butyl_ether	7.63	73	466905	11.37	ppbV	99
24) Vinyl acetate	7.63	43	105230	12.21	ppbV #	99
25) Methyl_ethyl_ketone	8.00	43	317853	12.60	ppbV	99
26) Dichloroethylene,_cis-1,2-	8.44	61	221170	11.20	ppbV	100
27) Hexane	8.64	57	273088	10.74	ppbV	96
28) Ethyl acetate	8.67	61	53355	10.87	ppbV	98
29) Chloroform	8.76	83	319677	11.07	ppbV	99
31) Tetrahydrofuran	9.18	42	190342	10.32	ppbV #	96
32) Dichloroethane,_1,2-	9.55	62	223228	10.22	ppbV #	80
33) Trichloroethane,_1,1,1-	9.82	97	331530	9.46	ppbV	98
34) Benzene	10.33	78	563913	10.09	ppbV	99
35) Carbon_tetrachloride	10.48	117	300060	9.38	ppbV	99
36) Cyclohexane	10.62	56	276709	9.38	ppbV	97
37) Dichloropropane,_1,2-	11.25	63	188623	9.27	ppbV #	94
38) Bromodichloromethane	11.48	83	385625	9.50	ppbV	99
39) Dioxane, 1,4-	11.50	88	134454	8.29	ppbV	100
40) Trichloroethylene	11.51	130	258160	7.86	ppbV	94
41) Trimethylpentane,_2,2,4-	11.54	57	363906	9.06	ppbV	97
42) Heptane	11.84	43	325968	9.94	ppbV	99
43) Dichloropropene,_cis-1,3-	12.53	75	320616	9.48	ppbV	99
44) Methyl_isobutyl_ketone	12.56	43	404383	11.23	ppbV	98
45) Dichloropropene,_trans-1,3	13.16	75	320120	9.89	ppbV #	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 10311cs01.D
Acq On : 31 Oct 2006 10:22
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:20:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

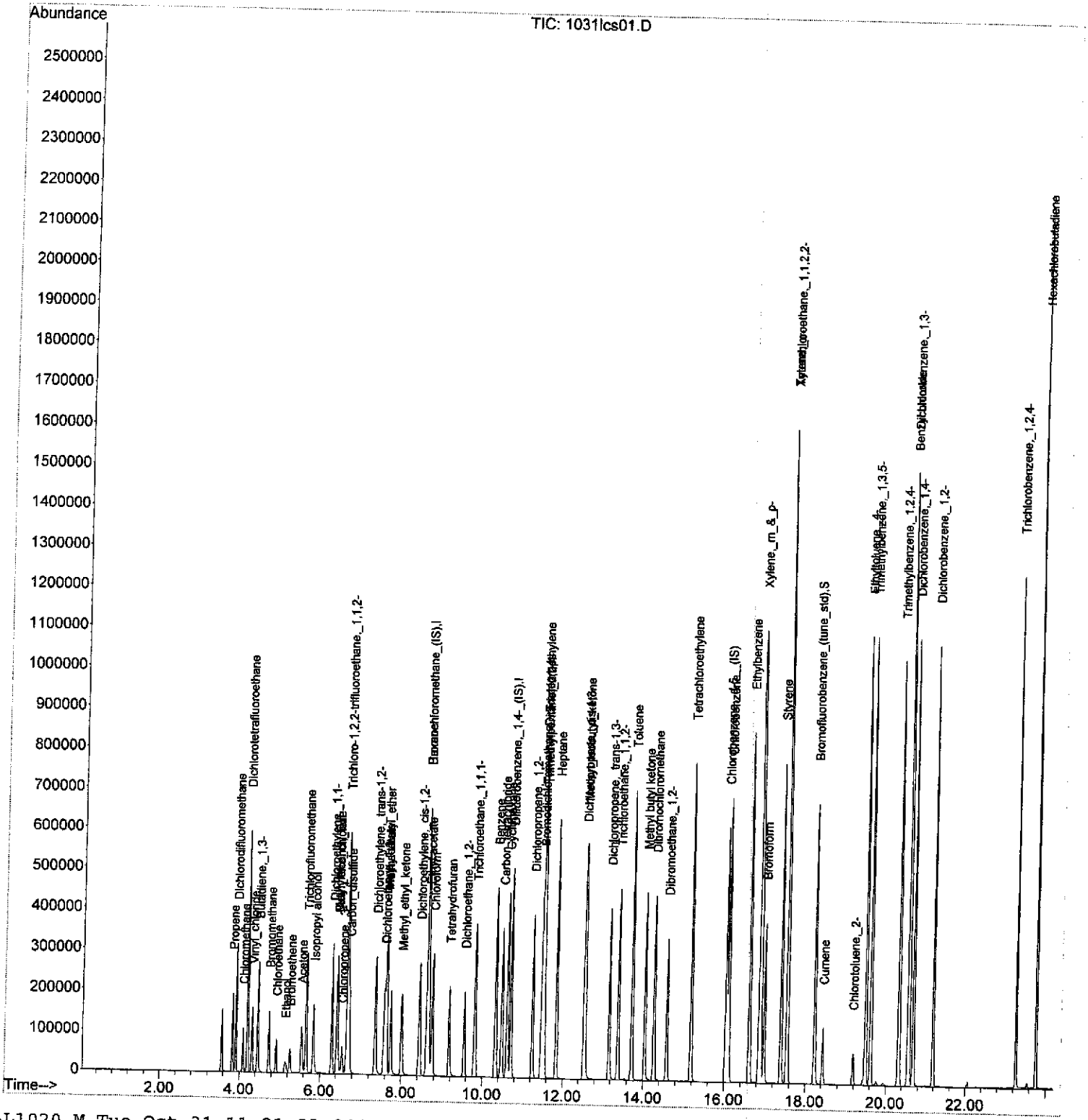
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	211137	8.85	ppbV		96
48) Toluene	13.73	91	703010	10.42	ppbV		100
49) Methyl butyl ketone	14.04	43	392091	11.76	ppbV		95
50) Dibromochloromethane	14.26	129	347249	9.09	ppbV		96
51) Dibromoethane,_1,2-	14.59	107	333414	9.05	ppbV		98
52) Tetrachloroethylene	15.19	166	333459	8.46	ppbV		94
53) Chlorobenzene	16.10	112	548880	9.77	ppbV		99
54) Ethylbenzene	16.62	91	871793	10.88	ppbV		99
55) Xylene,_m_&_p-	16.88	91	1455494	11.39	ppbV		100
56) Bromoform	16.98	171	177230	8.05	ppbV	#	93
57) Styrene	17.39	104	577048	10.34	ppbV	#	70
58) Tetrachloroethane,_1,1,2,2	17.54	83	549840	10.18	ppbV		97
59) Xylene,_o-	17.55	91	777565	10.59	ppbV		98
61) Cumene	18.43	105	131120	9.79	ppbV	#	98
62) Chlorotoluene,_2-	19.18	91	66797	10.22	ppbV		99
63) Ethyltoluene,_4-	19.49	105	982369	11.87	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.62	105	848895	10.97	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.32	105	839693	11.18	ppbV		100
66) Benzyl chloride	20.55	91	825740	11.65	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	603797	9.98	ppbV		98
68) Dichlorobenzene,_1,4-	20.68	146	584111	10.45	ppbV		99
69) Dichlorobenzene,_1,2-	21.18	146	528569	10.54	ppbV		98
70) Trichlorobenzene,_1,2,4-	23.26	180	348968	9.83	ppbV		93
71) Hexachlorobutadiene	23.75	225	355375	10.20	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031lcs01.D
Acq On : 31 Oct 2006 10:22
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:20:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 11:21:21 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1031LCS02
Date Analyzed: 10/31/06

Runs with this LCS:

10 PPBV DCS. [1031DCS]; 1070 [103105]; 3003 [103109]; BFB [1031BFB]; METHOD BLANK [1031BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	123
Benzene	71-43-2	10	102
Bromodichloromethane	75-27-4	9.5	95
Bromoethene	593-60-2	11	107
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	10.0	100
1,3-Butadiene	106-99-0	10	104
tert-Butyl alcohol	75-65-0	12	118
Carbon disulfide	75-15-0	10	103
Carbon tetrachloride	56-23-5	9.5	95
Chlorobenzene	108-90-7	9.7	97
Chloroethane	75-00-3	11	109
Chloroform	67-66-3	11	108
Chloromethane	74-87-3	11	111
3-Chloropropene	107-05-1	11	112
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.5	95
Dibromochloromethane	124-48-1	9.0	90
1,2-Dibromoethane	106-93-4	9.0	90
1,2-Dichlorobenzene	95-50-1	10	103
1,3-Dichlorobenzene	541-73-1	9.9	99
1,4-Dichlorobenzene	106-46-7	10	103
Dichlorodifluoromethane	75-71-8	11	107
1,1-Dichloroethane	75-34-3	11	111
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	11	112
cis-1,2-Dichloroethylene	156-59-2	11	111
trans-1,2-Dichloroethylene	156-60-5	11	111
1,2-Dichloropropane	78-87-5	9.4	94
cis-1,3-Dichloropropene	10061-01-5	9.6	96
trans-1,3-Dichloropropene	10061-02-6	9.8	98
Dichlorotetrafluoroethane	76-14-2	10	105
Ethylbenzene	100-41-4	11	111
4-Ethyltoluene	622-96-8	12	118
Heptane	142-82-5	9.9	99
Hexachlorobutadiene	87-68-3	10	102
Hexane	110-54-3	11	106
Methyl ethyl ketone	78-93-3	12	122
Methyl isobutyl ketone	108-10-1	11	111
Methylene chloride	75-09-2	11	109
Methyl-t-butyl ether	1634-04-4	11	112
Styrene	100-42-5	10	104
1,1,2,2-Tetrachloroethane	79-34-5	10	101
Tetrachloroethylene	127-18-4	8.6	86
Toluene	108-88-3	10	104
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	101
1,2,4-Trichlorobenzene	120-82-1	9.9	99
1,1,1-Trichloroethane	71-55-6	9.6	96
1,1,2-Trichloroethane	79-00-5	9.0	90
Trichloroethylene	79-01-6	8.0	80
Trichlorofluoromethane	75-69-4	11	112
1,2,4-Trimethylbenzene	95-63-6	11	112
1,3,5-Trimethylbenzene	108-67-8	11	111
2,2,4-Trimethylpentane	540-84-1	9.1	91
Vinyl chloride	75-01-4	11	106
m or p-Xylene	1330-20-7	11	113
o-Xylene	95-47-6	10	104

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031lcs02.D
Acq On : 31 Oct 2006 11:02
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 13:59:18 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.63	130	123174	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.71	114	569915	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	535573	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	390583	10.34	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 103.40%				
Target Compounds							Qvalue
2) Propene	3.83	41	117865	11.45	ppbV		99
3) Dichlorodifluoromethane	3.91	85	298112	10.67	ppbV		99
4) Chloromethane	4.09	50	136007	11.05	ppbV		100
5) Dichlorotetrafluoroethane	4.21	85	352582	10.46	ppbV		97
6) Vinyl_chloride	4.32	62	183204	10.63	ppbV		100
7) Butadiene,_1,3-	4.46	54	155311	10.42	ppbV		100
8) Bromomethane	4.74	94	126159	9.99	ppbV		97
9) Chloroethane	4.92	64	91695	10.90	ppbV		100
10) Ethanol	5.15	45	58327	12.78	ppbV		96
11) Bromoethene	5.26	106	55297	10.67	ppbV		97
12) Acetone	5.54	43	215183	12.25	ppbV		99
13) Trichlorofluoromethane	5.67	101	314293	11.20	ppbV		98
14) Isopropyl alcohol	5.84	45	298568	12.53	ppbV		100
15) Dichloroethylene,_1,1-	6.29	61	254670	11.19	ppbV		99
16) Butyl_Alcohol,_tert	6.42	59	130572	11.79	ppbV		100
17) Methylene_chloride	6.43	49	185093	10.91	ppbV		98
18) Chloropropene,_3-	6.54	76	23268	11.20	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.67	101	336251	10.05	ppbV		96
20) Carbon_disulfide	6.72	76	459038	10.32	ppbV		100
21) Dichloroethylene,_trans-1,	7.36	61	242704	11.07	ppbV		99
22) Dichloroethane, 1,1-	7.58	63	310711	11.11	ppbV		100
23) Methyl-t-butyl_ether	7.63	73	488683	11.23	ppbV		99
24) Vinyl acetate	7.63	43	108356	11.87	ppbV	#	99
25) Methyl_ethyl_ketone	8.00	43	326896	12.23	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.44	61	232008	11.09	ppbV		100
27) Hexane	8.64	57	286302	10.62	ppbV		96
28) Ethyl acetate	8.67	61	55448	10.65	ppbV		98
29) Chloroform	8.76	83	329227	10.75	ppbV		99
31) Tetrahydrofuran	9.18	42	198990	10.40	ppbV	#	96
32) Dichloroethane,_1,2-	9.55	62	230423	10.18	ppbV	#	80
33) Trichloroethane,_1,1,1-	9.81	97	347423	9.57	ppbV		98
34) Benzene	10.33	78	593667	10.24	ppbV		99
35) Carbon_tetrachloride	10.48	117	314596	9.49	ppbV		100
36) Cyclohexane	10.62	56	289355	9.47	ppbV		97
37) Dichloropropane,_1,2-	11.24	63	198384	9.41	ppbV	#	94
38) Bromodichloromethane	11.47	83	399504	9.50	ppbV		99
39) Dioxane, 1,4-	11.50	88	142450	8.48	ppbV		98
40) Trichloroethylene	11.51	130	272843	8.01	ppbV		95
41) Trimethylpentane,_2,2,4-	11.53	57	379848	9.13	ppbV		97
42) Heptane	11.84	43	336462	9.90	ppbV		99
43) Dichloropropene,_cis-1,3-	12.52	75	334811	9.55	ppbV		99
44) Methyl_isobutyl_ketone	12.56	43	414744	11.12	ppbV		99
45) Dichloropropene,_trans-1,3	13.16	75	330128	9.84	ppbV	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 10311cs02.D
Acq On : 31 Oct 2006 11:02
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 13:59:18 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

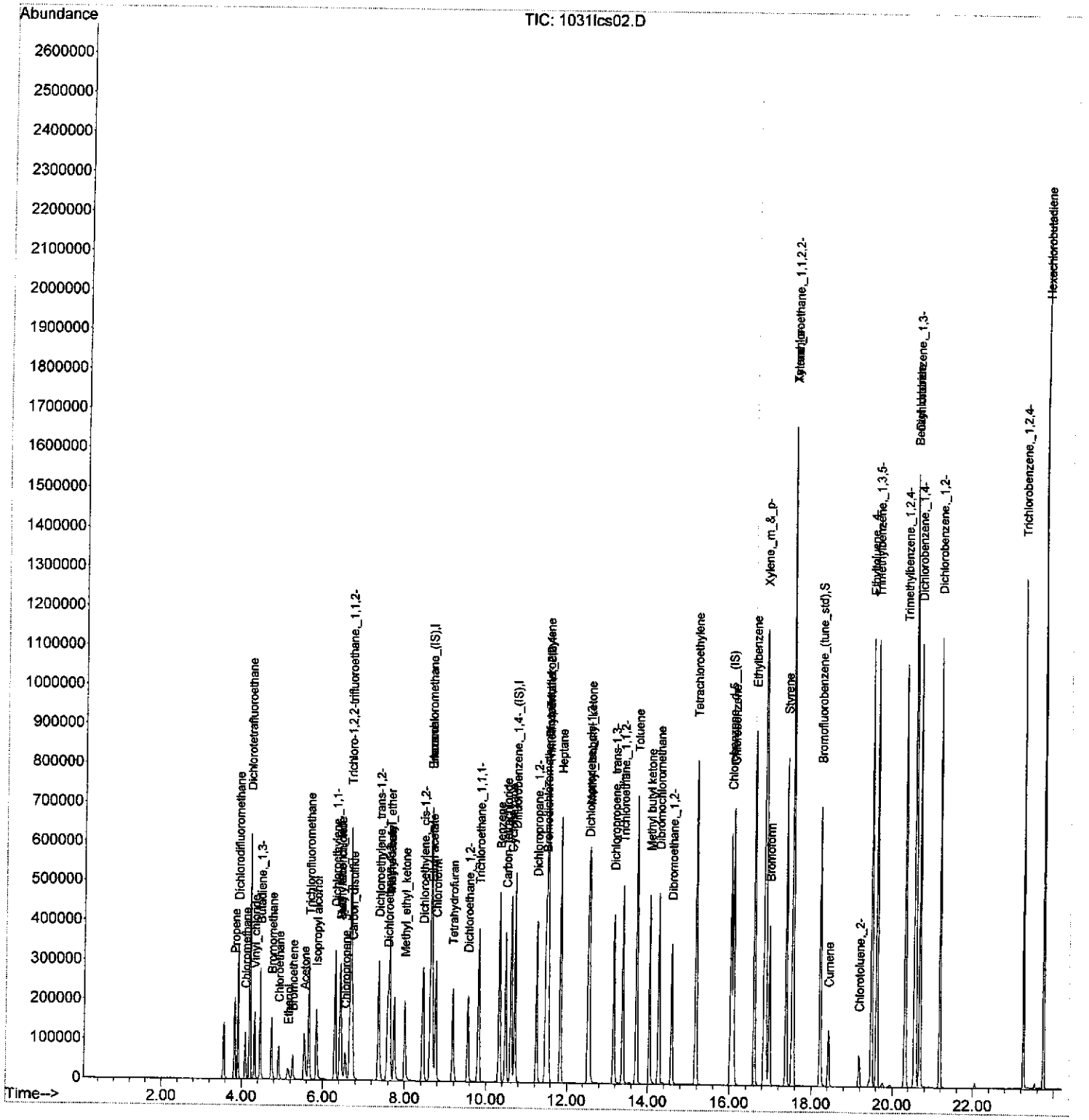
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	222978	9.02	ppbV		97
48) Toluene	13.73	91	727439	10.39	ppbV		99
49) Methyl butyl ketone	14.04	43	406038	11.73	ppbV		95
50) Dibromochloromethane	14.26	129	357239	9.01	ppbV		97
51) Dibromoethane,_1,2-	14.59	107	345576	9.03	ppbV		98
52) Tetrachloroethylene	15.18	166	352623	8.62	ppbV		94
53) Chlorobenzene	16.10	112	567633	9.74	ppbV		99
54) Ethylbenzene	16.62	91	920329	11.07	ppbV		99
55) Xylene,_m_&_p-	16.88	91	1503302	11.34	ppbV		99
56) Bromoform	16.98	171	185662	8.12	ppbV	#	94
57) Styrene	17.39	104	600504	10.37	ppbV	#	70
58) Tetrachloroethane,_1,1,2,2	17.54	83	567421	10.12	ppbV		97
59) Xylene,_o-	17.54	91	795549	10.44	ppbV		98
61) Cumene	18.42	105	135729	9.76	ppbV	#	98
62) Chlorotoluene,_2-	19.17	91	68964	10.17	ppbV		99
63) Ethyltoluene,_4-	19.48	105	1014411	11.81	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.62	105	891951	11.10	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.32	105	873300	11.20	ppbV		100
66) Benzyl chloride	20.55	91	843776	11.47	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	624231	9.94	ppbV		97
68) Dichlorobenzene,_1,4-	20.68	146	600153	10.34	ppbV		98
69) Dichlorobenzene,_1,2-	21.18	146	538009	10.34	ppbV		97
70) Trichlorobenzene,_1,2,4-	23.26	180	364463	9.89	ppbV		93
71) Hexachlorobutadiene	23.75	225	368592	10.20	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 1031lcs02.D
Acq On : 31 Oct 2006 11:02
Operator : .
Sample : 10 ppbv LCS, (made 10/20/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 13:59:18 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



PAL1020.M Tue Oct 31 13:59:52 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1107LCS01
Date Analyzed: 11/7/06

Runs with this LCS:

10 PPBV DCS. [1107DCS]; 3044 [110719]; BFB [1107BFB]; METHOD BLANK [1107BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	117
Benzene	71-43-2	9.7	97
Bromodichloromethane	75-27-4	9.3	93
Bromoethene	593-60-2	11	110
Bromoform	75-25-2	8.5	85
Bromomethane	74-83-9	11	107
1,3-Butadiene	106-99-0	12	120
tert-Butyl alcohol	75-65-0	11	110
Carbon disulfide	75-15-0	10	103
Carbon tetrachloride	56-23-5	9.3	93
Chlorobenzene	108-90-7	9.4	94
Chloroethane	75-00-3	11	107
Chloroform	67-66-3	11	106
Chloromethane	74-87-3	11	109
3-Chloropropene	107-05-1	12	121
2-Chlorotoluene	95-49-8	10.0	100
Cyclohexane	110-82-7	9.2	92
Dibromochloromethane	124-48-1	8.9	89
1,2-Dibromoethane	106-93-4	8.9	89
1,2-Dichlorobenzene	95-50-1	9.6	96
1,3-Dichlorobenzene	541-73-1	9.1	91
1,4-Dichlorobenzene	106-46-7	9.5	95
Dichlorodifluoromethane	75-71-8	11	109
1,1-Dichloroethane	75-34-3	11	109
1,2-Dichloroethane	107-06-2	9.7	97
1,1-Dichloroethylene	75-35-4	11	108
cis-1,2-Dichloroethylene	156-59-2	11	105
trans-1,2-Dichloroethylene	156-60-5	11	109
1,2-Dichloropropane	78-87-5	9.2	92
cis-1,3-Dichloropropene	10061-01-5	9.3	93
trans-1,3-Dichloropropene	10061-02-6	9.5	95
Dichlorotetrafluoroethane	76-14-2	11	107
Ethylbenzene	100-41-4	10	104
4-Ethyltoluene	622-96-8	11	106
Heptane	142-82-5	9.2	92
Hexachlorobutadiene	87-68-3	12	116
Hexane	110-54-3	10	103
Methyl ethyl ketone	78-93-3	11	112
Methyl isobutyl ketone	108-10-1	10	100
Methylene chloride	75-09-2	11	106
Methyl-t-butyl ether	1634-04-4	11	107
Styrene	100-42-5	10	101
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	9.8	98
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.7	97
1,2,4-Trichlorobenzene	120-82-1	8.1	81
1,1,1-Trichloroethane	71-55-6	9.4	94
1,1,2-Trichloroethane	79-00-5	8.9	89
Trichloroethylene	79-01-6	7.7	77
Trichlorofluoromethane	75-69-4	12	117
1,2,4-Trimethylbenzene	95-63-6	10.0	100
1,3,5-Trimethylbenzene	108-67-8	10	102
2,2,4-Trimethylpentane	540-84-1	8.8	88
Vinyl chloride	75-01-4	11	106
m or p-Xylene	1330-20-7	10	105
o-Xylene	95-47-6	9.8	98

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs01.D
Acq On : 07 Nov 2006 09:46
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 10:48:49 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	139145	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	643418	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.04	117	595194	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	417444	10.52	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.20%				
Target Compounds							Qvalue
2) Propene	3.82	41	113055	10.64	ppbV		100
3) Dichlorodifluoromethane	3.91	85	317736	10.94	ppbV		100
4) Chloromethane	4.08	50	134838	10.89	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	379854	10.71	ppbV		99
6) Vinyl_chloride	4.31	62	184236	10.59	ppbV		100
7) Butadiene,_1,3-	4.45	54	169292	12.00	ppbV		98
8) Bromomethane	4.73	94	123565	10.67	ppbV		100
9) Chloroethane	4.91	64	88754	10.73	ppbV		100
10) Ethanol	5.12	45	54485	11.60	ppbV		100
11) Bromoethene	5.25	106	63790	11.02	ppbV		99
12) Acetone	5.52	43	208340	11.69	ppbV	#	99
13) Trichlorofluoromethane	5.65	101	339087	11.69	ppbV		100
14) Isopropyl alcohol	5.82	45	282605	11.67	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	244795	10.83	ppbV		100
16) Butyl_Alcohol,_tert	6.40	59	149905	11.00	ppbV		100
17) Methylene_chloride	6.41	49	176743	10.61	ppbV		99
18) Chloropropene,_3-	6.53	76	27826	12.12	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	315937	9.74	ppbV		99
20) Carbon_disulfide	6.70	76	434386	10.27	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.35	61	233356	10.92	ppbV		98
22) Dichloroethane, 1,1-	7.56	63	296117	10.92	ppbV		100
23) Methyl-t-butyl_ether	7.61	73	464589	10.71	ppbV		100
24) Vinyl acetate	7.61	43	103610	10.97	ppbV	#	100
25) Methyl_ethyl_ketone	7.98	43	314805	11.24	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.43	61	219187	10.51	ppbV		99
27) Hexane	8.63	57	270697	10.31	ppbV		98
28) Ethyl acetate	8.66	61	53036	10.62	ppbV		99
29) Chloroform	8.75	83	323300	10.59	ppbV		100
31) Tetrahydrofuran	9.16	42	191277	10.05	ppbV		100
32) Dichloroethane,_1,2-	9.54	62	221209	9.70	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.80	97	335063	9.35	ppbV		100
34) Benzene	10.32	78	565835	9.70	ppbV		100
35) Carbon_tetrachloride	10.47	117	300757	9.34	ppbV		100
36) Cyclohexane	10.61	56	273034	9.22	ppbV		99
37) Dichloropropane,_1,2-	11.24	63	185886	9.17	ppbV	#	100
38) Bromodichloromethane	11.46	83	380018	9.28	ppbV		99
39) Dioxane, 1,4-	11.49	88	134288	8.31	ppbV		99
40) Trichloroethylene	11.50	130	253694	7.72	ppbV		99
41) Trimethylpentane,_2,2,4-	11.53	57	426641	8.83	ppbV		100
42) Heptane	11.83	43	321609	9.18	ppbV		100
43) Dichloropropene,_cis-1,3-	12.52	75	311795	9.25	ppbV		100
44) Methyl_isobutyl_ketone	12.55	43	382506	10.02	ppbV		100
45) Dichloropropene,_trans-1,3	13.15	75	312310	9.46	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs01.D
Acq On : 07 Nov 2006 09:46
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 10:48:49 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

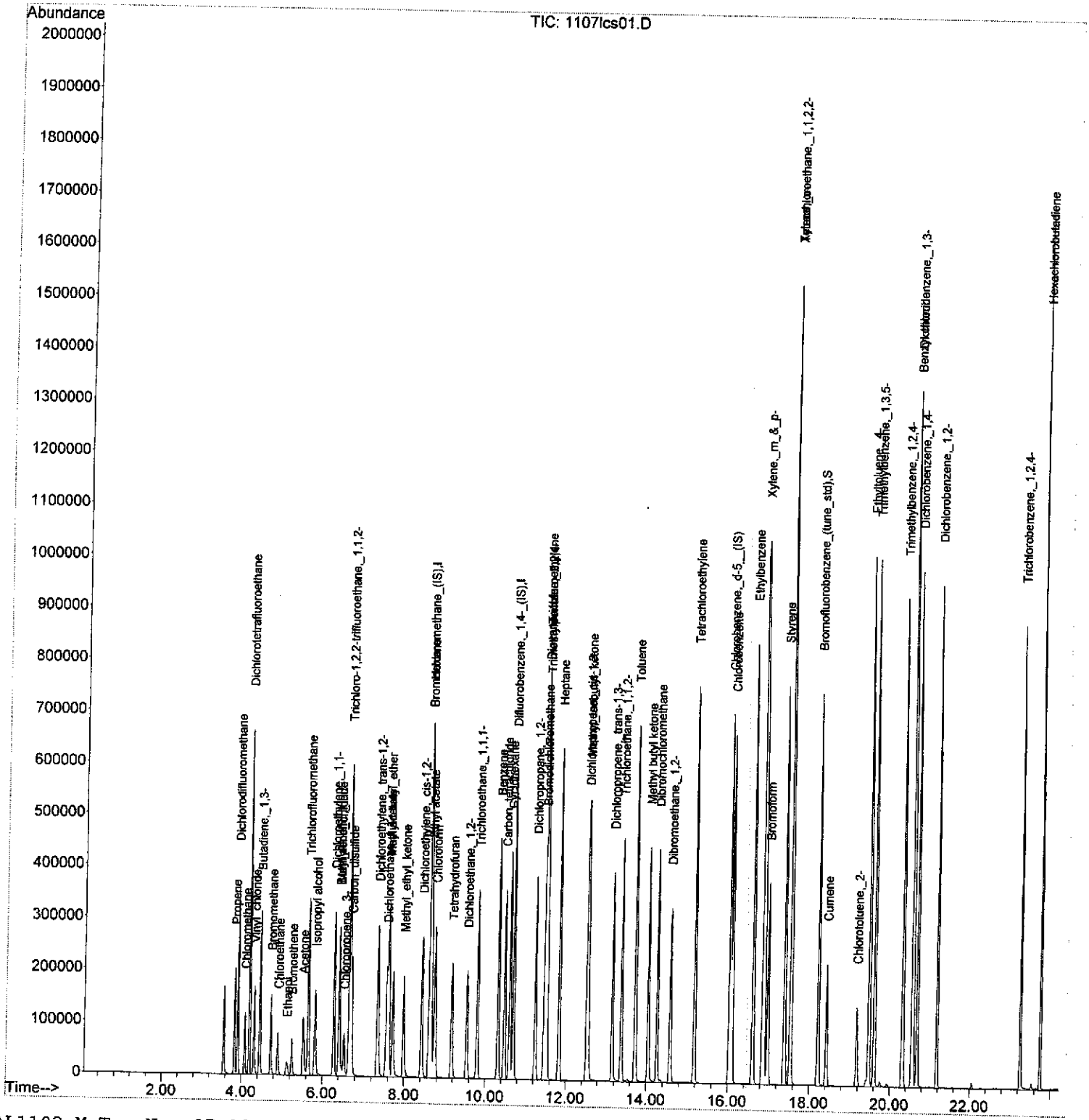
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.38	97	208781	8.89	ppbV		100
48) Toluene	13.72	91	679417	9.83	ppbV		100
49) Methyl butyl ketone	14.04	43	375353	10.63	ppbV		99
50) Dibromochloromethane	14.26	129	341997	8.86	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	330074	8.92	ppbV		100
52) Tetrachloroethylene	15.18	166	329592	8.41	ppbV		99
53) Chlorobenzene	16.10	112	537782	9.39	ppbV		99
54) Ethylbenzene	16.61	91	853660	10.36	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1399813	10.46	ppbV		100
56) Bromoform	16.98	171	174330	8.45	ppbV	#	78
57) Styrene	17.39	104	559654	10.05	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.54	83	517466	9.38	ppbV		100
59) Xylene,_o-	17.54	91	742339	9.76	ppbV		100
61) Cumene	18.43	105	222498	9.85	ppbV		100
62) Chlorotoluene,_2-	19.17	91	131648	9.95	ppbV		99
63) Ethyltoluene,_4-	19.48	105	935156	10.61	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.62	105	810230	10.16	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.32	105	772997	9.95	ppbV		100
66) Benzyl chloride	20.55	91	749620	11.65	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	552526	9.11	ppbV		100
68) Dichlorobenzene,_1,4-	20.68	146	537803	9.50	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	480020	9.59	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.26	180	257668	8.13	ppbV		99
71) Hexachlorobutadiene	23.75	225	236793	11.59	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs01.D
Acq On : 07 Nov 2006 09:46
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 10:48:49 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Tue Nov 07 10:49:29 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1107LCS02
Date Analyzed: 11/7/06

Runs with this LCS:

10 PPBV DCS. [1107DCS]; 3044 [110719]; BFB [1107BFB]; METHOD BLANK [1107BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	11	114
Benzene	71-43-2	9.8	98
Bromodichloromethane	75-27-4	9.3	93
Bromoethene	593-60-2	11	109
Bromoform	75-25-2	8.3	83
Bromomethane	74-83-9	11	108
1,3-Butadiene	106-99-0	12	118
tert-Butyl alcohol	75-65-0	11	106
Carbon disulfide	75-15-0	10	102
Carbon tetrachloride	56-23-5	9.3	93
Chlorobenzene	108-90-7	9.5	95
Chloroethane	75-00-3	11	106
Chloroform	67-66-3	10	105
Chloromethane	74-87-3	11	108
3-Chloropropene	107-05-1	12	120
2-Chlorotoluene	95-49-8	10.0	100
Cyclohexane	110-82-7	9.3	93
Dibromochloromethane	124-48-1	8.8	88
1,2-Dibromoethane	106-93-4	8.9	89
1,2-Dichlorobenzene	95-50-1	9.6	96
1,3-Dichlorobenzene	541-73-1	9.2	92
1,4-Dichlorobenzene	106-46-7	9.6	96
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	11	108
1,2-Dichloroethane	107-06-2	9.6	96
1,1-Dichloroethylene	75-35-4	11	107
cis-1,2-Dichloroethylene	156-59-2	10	104
trans-1,2-Dichloroethylene	156-60-5	11	106
1,2-Dichloropropane	78-87-5	9.2	92
cis-1,3-Dichloropropene	10061-01-5	9.2	92
trans-1,3-Dichloropropene	10061-02-6	9.5	95
Dichlorotetrafluoroethane	76-14-2	11	107
Ethylbenzene	100-41-4	11	105
4-Ethyltoluene	622-96-8	11	106
Heptane	142-82-5	9.2	92
Hexachlorobutadiene	87-68-3	10	105
Hexane	110-54-3	10	102
Methyl ethyl ketone	78-93-3	11	108
Methyl isobutyl ketone	108-10-1	10.0	100
Methylene chloride	75-09-2	10	103
Methyl-t-butyl ether	1634-04-4	11	106
Styrene	100-42-5	10.0	100
1,1,2,2-Tetrachloroethane	79-34-5	9.3	93
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	10.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.6	96
1,2,4-Trichlorobenzene	120-82-1	7.5	75
1,1,1-Trichloroethane	71-55-6	9.2	92
1,1,2-Trichloroethane	79-00-5	8.8	88
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	11	113
1,2,4-Trimethylbenzene	95-63-6	9.8	98
1,3,5-Trimethylbenzene	108-67-8	10	103
2,2,4-Trimethylpentane	540-84-1	8.9	89
Vinyl chloride	75-01-4	11	105
m or p-Xylene	1330-20-7	11	105
o-Xylene	95-47-6	9.6	96

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs02.D
Acq On : 07 Nov 2006 10:31
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 12:55:41 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	139155	10.00	ppbV		-0.02
30) Difluorobenzene,_1,4-_(IS)	10.69	114	633617	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.04	117	583753	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.22	95	411116	10.56	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.60%				
Target Compounds							Qvalue
2) Propene	3.78	41	111711	10.51	ppbV		100
3) Dichlorodifluoromethane	3.87	85	318430	10.96	ppbV		100
4) Chloromethane	4.05	50	133799	10.81	ppbV		100
5) Dichlorotetrafluoroethane	4.17	85	378398	10.67	ppbV		100
6) Vinyl_chloride	4.28	62	182927	10.51	ppbV		100
7) Butadiene,_1,3-	4.42	54	166855	11.83	ppbV		98
8) Bromomethane	4.70	94	124430	10.75	ppbV		100
9) Chloroethane	4.88	64	87548	10.59	ppbV		100
10) Ethanol	5.10	45	53738	11.44	ppbV		100
11) Bromoethene	5.22	106	63263	10.93	ppbV		100
12) Acetone	5.51	43	202259	11.35	ppbV		99
13) Trichlorofluoromethane	5.63	101	328948	11.34	ppbV		100
14) Isopropyl alcohol	5.80	45	280163	11.56	ppbV		100
15) Dichloroethylene,_1,1-	6.26	61	241251	10.67	ppbV		99
16) Butyl_Alcohol,_tert	6.38	59	144489	10.60	ppbV		100
17) Methylene_chloride	6.39	49	171634	10.30	ppbV		98
18) Chloropropene,_3-	6.51	76	27556	12.00	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.64	101	312634	9.64	ppbV		99
20) Carbon_disulfide	6.69	76	430732	10.18	ppbV	#	100
21) Dichloroethylene,_trans-1,	7.33	61	227407	10.64	ppbV		99
22) Dichloroethane, 1,1-	7.55	63	291486	10.75	ppbV		100
23) Methyl-t-butyl_ether	7.60	73	458269	10.57	ppbV		100
24) Vinyl acetate	7.60	43	100050	10.59	ppbV	#	100
25) Methyl_ethyl_ketone	7.97	43	303309	10.83	ppbV		99
26) Dichloroethylene,_cis-1,2-	8.42	61	216429	10.37	ppbV		99
27) Hexane	8.62	57	266826	10.16	ppbV		98
28) Ethyl acetate	8.65	61	51473	10.31	ppbV		100
29) Chloroform	8.73	83	319638	10.47	ppbV		100
31) Tetrahydrofuran	9.15	42	183971	9.82	ppbV		99
32) Dichloroethane,_1,2-	9.53	62	216589	9.64	ppbV	#	100
33) Trichloroethane,_1,1,1-	9.80	97	325940	9.23	ppbV		100
34) Benzene	10.31	78	560207	9.75	ppbV		100
35) Carbon_tetrachloride	10.47	117	294395	9.28	ppbV		100
36) Cyclohexane	10.61	56	271240	9.30	ppbV		100
37) Dichloropropane,_1,2-	11.23	63	184515	9.24	ppbV	#	100
38) Bromodichloromethane	11.46	83	373005	9.25	ppbV		100
39) Dioxane, 1,4-	11.49	88	130838	8.22	ppbV		99
40) Trichloroethylene	11.50	130	254106	7.85	ppbV		99
41) Trimethylpentane,_2,2,4-	11.52	57	422038	8.87	ppbV		100
42) Heptane	11.82	43	316274	9.17	ppbV		100
43) Dichloropropene,_cis-1,3-	12.51	75	305961	9.22	ppbV		100
44) Methyl_isobutyl_ketone	12.54	43	374177	9.95	ppbV		100
45) Dichloropropene,_trans-1,3	13.15	75	307173	9.45	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs02.D
Acq On : 07 Nov 2006 10:31
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 12:55:41 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

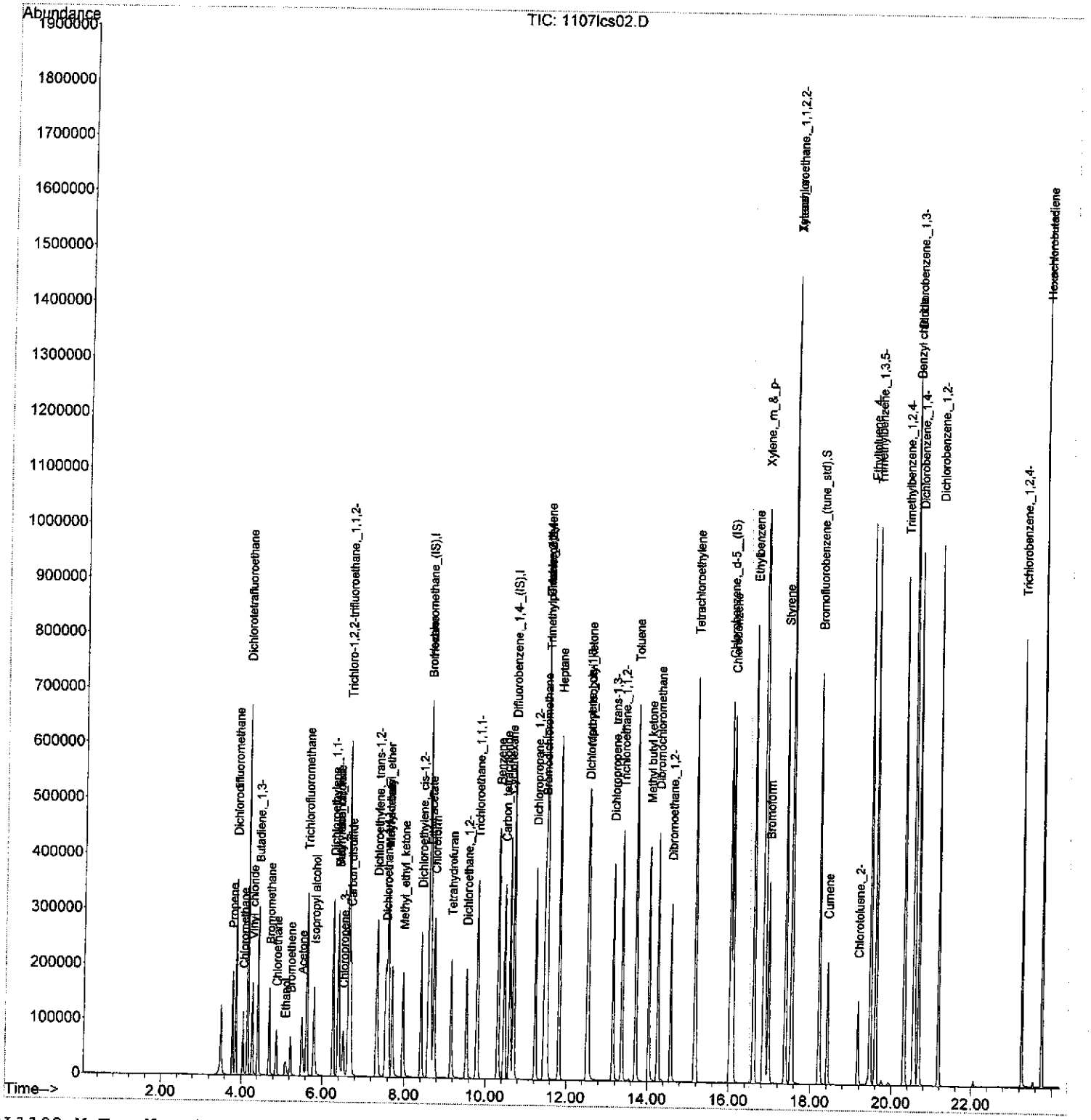
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	204084	8.83	ppbV		99
48) Toluene	13.71	91	675974	9.97	ppbV		100
49) Methyl butyl ketone	14.03	43	361833	10.45	ppbV		99
50) Dibromochloromethane	14.26	129	333874	8.82	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	321987	8.87	ppbV		100
52) Tetrachloroethylene	15.17	166	320978	8.35	ppbV		99
53) Chlorobenzene	16.09	112	533242	9.49	ppbV		99
54) Ethylbenzene	16.61	91	849072	10.51	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1377997	10.50	ppbV		100
56) Bromoform	16.97	171	168670	8.34	ppbV	#	85
57) Styrene	17.38	104	545319	9.99	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	501269	9.26	ppbV		100
59) Xylene,_o-	17.54	91	717155	9.61	ppbV		100
61) Cumene	18.42	105	216796	9.79	ppbV		100
62) Chlorotoluene,_2-	19.17	91	129484	9.97	ppbV		99
63) Ethyltoluene,_4-	19.48	105	919508	10.64	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	804302	10.28	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.31	105	748679	9.82	ppbV		100
66) Benzyl chloride	20.54	91	743361	11.78	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	544647	9.15	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	532864	9.60	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	472330	9.62	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	233289	7.50	ppbV		99
71) Hexachlorobutadiene	23.75	225	210243	10.49	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1107lcs02.D
Acq On : 07 Nov 2006 10:31
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 12:55:41 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Tue Nov 07 13:21:01 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1108LCS01
Date Analyzed: 11/8/06

Runs with this LCS:

10 PPBV DCS. [1108DCS]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]; METHOD BLANK [1108BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	121
Benzene	71-43-2	10	101
Bromodichloromethane	75-27-4	9.6	96
Bromoethene	593-60-2	11	113
Bromoform	75-25-2	8.4	84
Bromomethane	74-83-9	11	111
1,3-Butadiene	106-99-0	12	120
tert-Butyl alcohol	75-65-0	11	113
Carbon disulfide	75-15-0	11	107
Carbon tetrachloride	56-23-5	9.6	96
Chlorobenzene	108-90-7	9.7	97
Chloroethane	75-00-3	11	112
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	114
3-Chloropropene	107-05-1	13	125
2-Chlorotoluene	95-49-8	10	103
Cyclohexane	110-82-7	9.6	96
Dibromochloromethane	124-48-1	8.9	89
1,2-Dibromoethane	106-93-4	9.2	92
1,2-Dichlorobenzene	95-50-1	9.8	98
1,3-Dichlorobenzene	541-73-1	9.4	94
1,4-Dichlorobenzene	106-46-7	9.7	97
Dichlorodifluoromethane	75-71-8	11	115
1,1-Dichloroethane	75-34-3	11	115
1,2-Dichloroethane	107-06-2	10	102
1,1-Dichloroethylene	75-35-4	11	113
cis-1,2-Dichloroethylene	156-59-2	11	110
trans-1,2-Dichloroethylene	156-60-5	11	113
1,2-Dichloropropane	78-87-5	9.7	97
cis-1,3-Dichloropropene	10061-01-5	9.6	96
trans-1,3-Dichloropropene	10061-02-6	10	100
Dichlorotetrafluoroethane	76-14-2	11	110
Ethylbenzene	100-41-4	11	107
4-Ethyltoluene	622-96-8	11	111
Heptane	142-82-5	9.8	98
Hexachlorobutadiene	87-68-3	12	119
Hexane	110-54-3	11	107
Methyl ethyl ketone	78-93-3	12	116
Methyl isobutyl ketone	108-10-1	11	106
Methylene chloride	75-09-2	11	111
Methyl-t-butyl ether	1634-04-4	11	111
Styrene	100-42-5	10	103
1,1,2,2-Tetrachloroethane	79-34-5	9.7	97
Tetrachloroethylene	127-18-4	8.4	84
Toluene	108-88-3	10	101
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.9	99
1,2,4-Trichlorobenzene	120-82-1	9.0	90
1,1,1-Trichloroethane	71-55-6	9.6	96
1,1,2-Trichloroethane	79-00-5	9.2	92
Trichloroethylene	79-01-6	7.9	79
Trichlorofluoromethane	75-69-4	12	121
1,2,4-Trimethylbenzene	95-63-6	11	106
1,3,5-Trimethylbenzene	108-67-8	11	106
2,2,4-Trimethylpentane	540-84-1	9.2	92
Vinyl chloride	75-01-4	11	107
m or p-Xylene	1330-20-7	11	109
o-Xylene	95-47-6	10	101

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs01.D
Acq On : 08 Nov 2006 11:09
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 09:27:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	124198	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	572090	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	533179	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	384535	10.81	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 108.10%			
Target Compounds						Qvalue
2) Propene	3.82	41	107335	11.32	ppbV	100
3) Dichlorodifluoromethane	3.90	85	297139	11.46	ppbV	100
4) Chloromethane	4.08	50	126309	11.43	ppbV	100
5) Dichlorotetrafluoroethane	4.19	85	348061	11.00	ppbV	100
6) Vinyl_chloride	4.31	62	165620	10.66	ppbV	100
7) Butadiene,_1,3-	4.45	54	150600	11.96	ppbV	100
8) Bromomethane	4.72	94	114462	11.08	ppbV	100
9) Chloroethane	4.90	64	82866	11.23	ppbV	100
10) Ethanol	5.12	45	50829	12.12	ppbV	100
11) Bromoethene	5.24	106	58596	11.34	ppbV	99
12) Acetone	5.52	43	192925	12.13	ppbV	100
13) Trichlorofluoromethane	5.65	101	312928	12.09	ppbV	100
14) Isopropyl alcohol	5.82	45	261045	12.07	ppbV	100
15) Dichloroethylene,_1,1-	6.28	61	228589	11.33	ppbV	100
16) Butyl_Alcohol,_tert	6.40	59	137112	11.27	ppbV	100
17) Methylene_chloride	6.41	49	164639	11.08	ppbV	100
18) Chloropropene,_3-	6.52	76	25686	12.53	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.66	101	286916	9.91	ppbV	100
20) Carbon_disulfide	6.71	76	402135	10.65	ppbV #	100
21) Dichloroethylene,_trans-1,	7.34	61	216136	11.33	ppbV	100
22) Dichloroethane, 1,1-	7.56	63	277919	11.48	ppbV	100
23) Methyl-t-butyl_ether	7.61	73	430123	11.11	ppbV	100
24) Vinyl acetate	7.61	43	98321	11.66	ppbV #	100
25) Methyl_ethyl_ketone	7.98	43	290860	11.63	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.43	61	204071	10.96	ppbV	99
27) Hexane	8.62	57	250993	10.71	ppbV	99
28) Ethyl acetate	8.66	61	48493	10.88	ppbV	99
29) Chloroform	8.75	83	302057	11.08	ppbV	99
31) Tetrahydrofuran	9.16	42	177527	10.49	ppbV	100
32) Dichloroethane,_1,2-	9.54	62	207447	10.23	ppbV #	100
33) Trichloroethane,_1,1,1-	9.80	97	304560	9.56	ppbV	100
34) Benzene	10.31	78	521236	10.05	ppbV	100
35) Carbon_tetrachloride	10.47	117	274566	9.59	ppbV	100
36) Cyclohexane	10.61	56	252280	9.58	ppbV	100
37) Dichloropropane,_1,2-	11.23	63	174059	9.65	ppbV #	100
38) Bromodichloromethane	11.46	83	349436	9.60	ppbV	100
39) Dioxane, 1,4-	11.49	88	122609	8.53	ppbV	99
40) Trichloroethylene	11.51	130	231459	7.92	ppbV	99
41) Trimethylpentane,_2,2,4-	11.52	57	396943	9.24	ppbV	100
42) Heptane	11.83	43	305262	9.80	ppbV	100
43) Dichloropropene,_cis-1,3-	12.51	75	287414	9.59	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	359102	10.58	ppbV	100
45) Dichloropropene,_trans-1,3	13.15	75	294525	10.03	ppbV #	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs01.D
Acq On : 08 Nov 2006 11:09
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 09:27:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

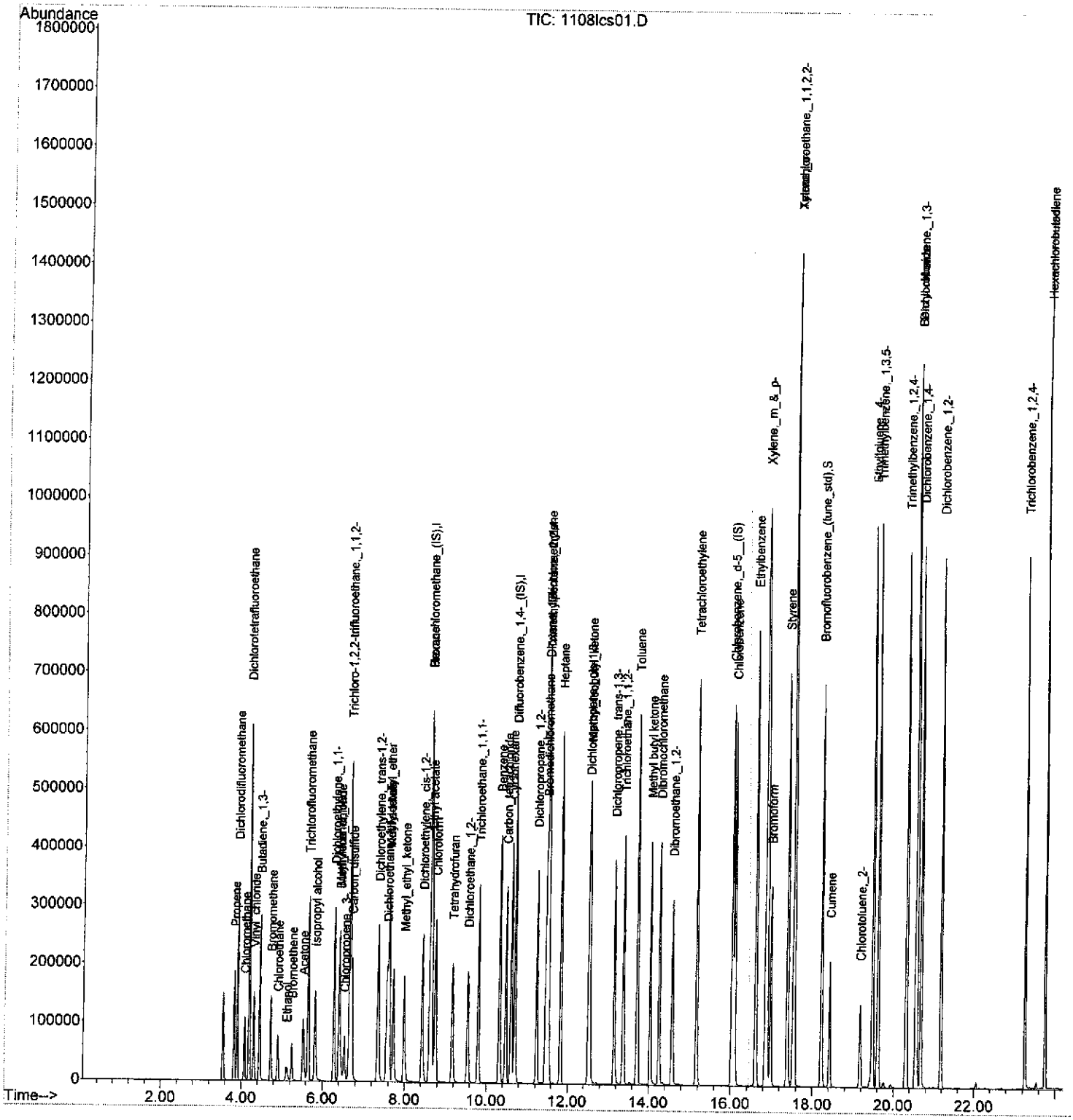
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	191147	9.15	ppbV		99
48) Toluene	13.72	91	623187	10.06	ppbV		100
49) Methyl butyl ketone	14.03	43	348158	11.01	ppbV		100
50) Dibromochloromethane	14.26	129	305732	8.85	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	305089	9.20	ppbV		100
52) Tetrachloroethylene	15.17	166	293386	8.36	ppbV		99
53) Chlorobenzene	16.09	112	497413	9.69	ppbV		100
54) Ethylbenzene	16.61	91	792159	10.73	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1304494	10.88	ppbV		100
56) Bromoform	16.97	171	154322	8.35	ppbV		96
57) Styrene	17.38	104	514084	10.31	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	480883	9.73	ppbV		100
59) Xylene,_o-	17.55	91	689542	10.12	ppbV		100
61) Cumene	18.42	105	202286	10.00	ppbV		100
62) Chlorotoluene,_2-	19.17	91	122154	10.30	ppbV		100
63) Ethyltoluene,_4-	19.48	105	874827	11.08	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	754541	10.56	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.32	105	738765	10.61	ppbV		100
66) Benzyl chloride	20.55	91	696198	12.08	ppbV		100
67) Dichlorobenzene,_1,3-	20.57	146	509549	9.37	ppbV		100
68) Dichlorobenzene,_1,4-	20.68	146	491569	9.70	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	437676	9.76	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.26	180	256604	9.03	ppbV		100
71) Hexachlorobutadiene	23.75	225	217758	11.90	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs01.D
Acq On : 08 Nov 2006 11:09
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 09 09:27:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Thu Nov 09 09:28:19 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1108LCS02
Date Analyzed: 11/8/06

Runs with this LCS:

10 PPBV DCS. [1108DCS]; 2157 [110818]; 3045 [110816]; 3061 [110817]; BFB [1108BFB]; METHOD BLANK [1108BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery
Acetone	67-64-1	12	120
Benzene	71-43-2	10.0	100
Bromodichloromethane	75-27-4	9.4	94
Bromoethene	593-60-2	11	114
Bromoform	75-25-2	8.1	81
Bromomethane	74-83-9	11	112
1,3-Butadiene	106-99-0	11	115
tert-Butyl alcohol	75-65-0	11	114
Carbon disulfide	75-15-0	11	109
Carbon tetrachloride	56-23-5	9.5	95
Chlorobenzene	108-90-7	9.5	95
Chloroethane	75-00-3	11	113
Chloroform	67-66-3	11	111
Chloromethane	74-87-3	11	109
3-Chloropropene	107-05-1	12	121
2-Chlorotoluene	95-49-8	10	102
Cyclohexane	110-82-7	9.4	94
Dibromochloromethane	124-48-1	8.8	88
1,2-Dibromoethane	106-93-4	9.1	91
1,2-Dichlorobenzene	95-50-1	9.4	94
1,3-Dichlorobenzene	541-73-1	8.8	88
1,4-Dichlorobenzene	106-46-7	9.3	93
Dichlorodifluoromethane	75-71-8	9.0	90
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	10	100
1,1-Dichloroethylene	75-35-4	12	115
cis-1,2-Dichloroethylene	156-59-2	11	109
trans-1,2-Dichloroethylene	156-60-5	11	107
1,2-Dichloropropane	78-87-5	9.4	94
cis-1,3-Dichloropropene	10061-01-5	9.5	95
trans-1,3-Dichloropropene	10061-02-6	9.9	99
Dichlorotetrafluoroethane	76-14-2	11	108
Ethylbenzene	100-41-4	10	105
4-Ethyltoluene	622-96-8	10	102
Heptane	142-82-5	9.6	96
Hexachlorobutadiene	87-68-3	11	111
Hexane	110-54-3	10	104
Methyl ethyl ketone	78-93-3	12	117
Methyl isobutyl ketone	108-10-1	11	107
Methylene chloride	75-09-2	11	109
Methyl-t-butyl ether	1634-04-4	11	111
Styrene	100-42-5	9.8	98
1,1,2,2-Tetrachloroethane	79-34-5	9.3	93
Tetrachloroethylene	127-18-4	8.2	82
Toluene	108-88-3	9.9	99
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	107
1,2,4-Trichlorobenzene	120-82-1	8.5	85
1,1,1-Trichloroethane	71-55-6	9.4	94
1,1,2-Trichloroethane	79-00-5	9.1	91
Trichloroethylene	79-01-6	7.8	78
Trichlorofluoromethane	75-69-4	12	118
1,2,4-Trimethylbenzene	95-63-6	10	101
1,3,5-Trimethylbenzene	108-67-8	10	101
2,2,4-Trimethylpentane	540-84-1	9.0	90
Vinyl chloride	75-01-4	11	107
m or p-Xylene	1330-20-7	10	103
o-Xylene	95-47-6	9.5	95

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs02.D
Acq On : 08 Nov 2006 11:49
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 09:20:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.62	130	126627	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.70	114	592712	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	560779	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	393536	10.52	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.20%			
Target Compounds						Qvalue
2) Propene	3.83	41	110678	11.45	ppbV	100
3) Dichlorodifluoromethane	3.91	85	236949	8.96	ppbV	100
4) Chloromethane	4.08	50	122940	10.91	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	347690	10.78	ppbV	100
6) Vinyl_chloride	4.31	62	169763	10.72	ppbV	100
7) Butadiene,_1,3-	4.45	54	147537	11.49	ppbV	99
8) Bromomethane	4.73	94	117807	11.18	ppbV	100
9) Chloroethane	4.91	64	84822	11.27	ppbV	100
10) Ethanol	5.13	45	50651	11.85	ppbV	100
11) Bromoethene	5.25	106	59925	11.38	ppbV	100
12) Acetone	5.53	43	194278	11.98	ppbV	99
13) Trichlorofluoromethane	5.65	101	312380	11.84	ppbV	100
14) Isopropyl alcohol	5.82	45	270649	12.28	ppbV	100
15) Dichloroethylene,_1,1-	6.29	61	236944	11.52	ppbV	100
16) Butyl_Alcohol,_tert	6.40	59	140958	11.37	ppbV	100
17) Methylene_chloride	6.41	49	165668	10.93	ppbV	100
18) Chloropropene,_3-	6.54	76	25367	12.14	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.66	101	315077	10.67	ppbV	100
20) Carbon_disulfide	6.71	76	417733	10.85	ppbV #	100
21) Dichloroethylene,_trans-1,	7.35	61	208803	10.74	ppbV	99
22) Dichloroethane, 1,1-	7.57	63	270953	10.98	ppbV	100
23) Methyl-t-butyl_ether	7.62	73	436558	11.06	ppbV	100
24) Vinyl acetate	7.62	43	97272	11.31	ppbV #	100
25) Methyl_ethyl_ketone	7.99	43	297518	11.67	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.43	61	207202	10.91	ppbV	100
27) Hexane	8.63	57	247329	10.35	ppbV	99
28) Ethyl acetate	8.66	61	50482	11.11	ppbV	100
29) Chloroform	8.75	83	307295	11.06	ppbV	99
31) Tetrahydrofuran	9.16	42	178195	10.16	ppbV	100
32) Dichloroethane,_1,2-	9.54	62	210437	10.01	ppbV #	100
33) Trichloroethane,_1,1,1-	9.80	97	308659	9.35	ppbV	100
34) Benzene	10.32	78	536827	9.99	ppbV	100
35) Carbon_tetrachloride	10.48	117	280977	9.47	ppbV	100
36) Cyclohexane	10.61	56	257091	9.43	ppbV	100
37) Dichloropropane,_1,2-	11.24	63	175191	9.38	ppbV #	100
38) Bromodichloromethane	11.46	83	354206	9.39	ppbV	100
39) Dioxane, 1,4-	11.49	88	123373	8.29	ppbV	100
40) Trichloroethylene	11.51	130	236591	7.81	ppbV	99
41) Trimethylpentane,_2,2,4-	11.53	57	399336	8.98	ppbV	100
42) Heptane	11.83	43	310312	9.62	ppbV	100
43) Dichloropropene,_cis-1,3-	12.51	75	295006	9.50	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	375030	10.66	ppbV	100
45) Dichloropropene,_trans-1,3	13.15	75	299492	9.85	ppbV #	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs02.D
Acq On : 08 Nov 2006 11:49
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 09:20:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

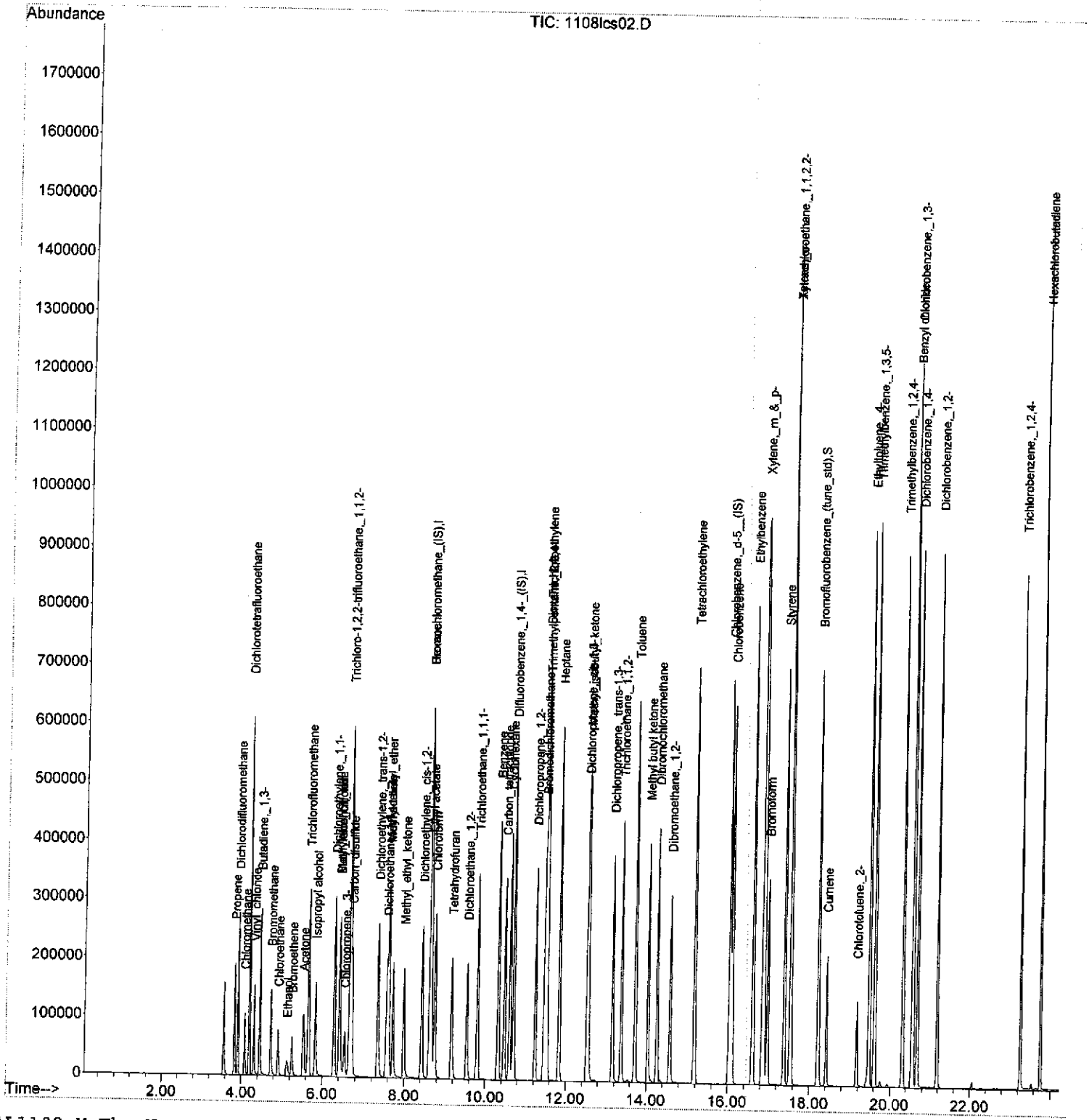
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	196694	9.09	ppbV		100
48) Toluene	13.72	91	641809	9.85	ppbV		100
49) Methyl butyl ketone	14.03	43	347162	10.44	ppbV		100
50) Dibromochloromethane	14.26	129	320804	8.83	ppbV		100
51) Dibromoethane,_1,2-	14.58	107	315649	9.05	ppbV		100
52) Tetrachloroethylene	15.17	166	304211	8.24	ppbV		99
53) Chlorobenzene	16.09	112	513848	9.52	ppbV		100
54) Ethylbenzene	16.61	91	812531	10.47	ppbV		100
55) Xylene,_m_&_p-	16.87	91	1292088	10.25	ppbV		100
56) Bromoform	16.97	171	157440	8.10	ppbV		96
57) Styrene	17.38	104	512433	9.77	ppbV	#	100
58) Tetrachloroethane,_1,1,2,2	17.53	83	483319	9.30	ppbV		100
59) Xylene,_o-	17.54	91	682152	9.52	ppbV		100
61) Cumene	18.42	105	212184	9.97	ppbV		100
62) Chlorotoluene,_2-	19.17	91	127611	10.23	ppbV		100
63) Ethyltoluene,_4-	19.47	105	850307	10.24	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	758708	10.10	ppbV		100
65) Trimethylbenzene,_1,2,4-	20.31	105	740640	10.12	ppbV		100
66) Benzyl chloride	20.54	91	700969	11.57	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	505149	8.84	ppbV		99
68) Dichlorobenzene,_1,4-	20.68	146	496142	9.30	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	443250	9.40	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	252477	8.45	ppbV		99
71) Hexachlorobutadiene	23.75	225	214080	11.12	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 1108lcs02.D
Acq On : 08 Nov 2006 11:49
Operator : .
Sample : 10 ppbv LCS, (made 11/2/06).
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 09:20:34 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Thu Nov 09 09:21:07 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1206LCS01
Date Analyzed: 12/6/06

Runs with this LCS:

10 PPBV DCS. [1206DCS_061206151240]; 3054 [120602]; BFB [1206BFB_061206135147]; METHOD BLANK [1206BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	11	113	
Benzene	71-43-2	10.0	100	
Bromodichloromethane	75-27-4	9.5	95	
Bromoethene	593-60-2	11	107	
Bromoform	75-25-2	8.6	86	
Bromomethane	74-83-9	10	104	
1,3-Butadiene	106-99-0	11	106	
tert-Butyl alcohol	75-65-0	11	114	
Carbon disulfide	75-15-0	10	104	
Carbon tetrachloride	56-23-5	9.6	96	
Chlorobenzene	108-90-7	9.5	95	
Chloroethane	75-00-3	11	109	
Chloroform	67-66-3	11	108	
Chloromethane	74-87-3	10	105	
3-Chloropropene	107-05-1	11	108	
2-Chlorotoluene	95-49-8	10	102	
Cyclohexane	110-82-7	9.3	93	
Dibromochloromethane	124-48-1	9.3	93	
1,2-Dibromoethane	106-93-4	9.1	91	
1,2-Dichlorobenzene	95-50-1	10.0	100	
1,3-Dichlorobenzene	541-73-1	9.3	93	
1,4-Dichlorobenzene	106-46-7	9.7	97	
Dichlorodifluoromethane	75-71-8	10	103	
1,1-Dichloroethane	75-34-3	11	109	
1,2-Dichloroethane	107-06-2	10	101	
1,1-Dichloroethylene	75-35-4	11	108	
cis-1,2-Dichloroethylene	156-59-2	11	108	
trans-1,2-Dichloroethylene	156-60-5	11	108	
1,2-Dichloropropane	78-87-5	9.4	94	
cis-1,3-Dichloropropene	10061-01-5	9.4	94	
trans-1,3-Dichloropropene	10061-02-6	9.7	97	
Dichlorotetrafluoroethane	76-14-2	10	102	
Ethylbenzene	100-41-4	10	105	
4-Ethyltoluene	622-96-8	11	110	
Heptane	142-82-5	9.6	96	
Hexachlorobutadiene	87-68-3	34	337	*
Hexane	110-54-3	11	106	
Methyl ethyl ketone	78-93-3	12	116	
Methyl isobutyl ketone	108-10-1	10	103	
Methylene chloride	75-09-2	10	104	
Methyl-t-butyl ether	1634-04-4	11	109	
Styrene	100-42-5	10.0	100	
1,1,2,2-Tetrachloroethane	79-34-5	9.6	96	
Tetrachloroethylene	127-18-4	8.7	87	
Toluene	108-88-3	9.8	98	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	9.9	99	
1,2,4-Trichlorobenzene	120-82-1	9.1	91	
1,1,1-Trichloroethane	71-55-6	9.6	96	
1,1,2-Trichloroethane	79-00-5	9.3	93	
Trichloroethylene	79-01-6	8.3	83	
Trichlorofluoromethane	75-69-4	10	105	
1,2,4-Trimethylbenzene	95-63-6	10	104	
1,3,5-Trimethylbenzene	108-67-8	11	106	
2,2,4-Trimethylpentane	540-84-1	9.2	92	
Vinyl chloride	75-01-4	10.0	100	
m or p-Xylene	1330-20-7	10	104	
o-Xylene	95-47-6	9.9	99	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs01.D
Acq On : 06 Dec 06 15:58
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 10:20:27 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	81163	10.00	ppbV		0.00
30) Difluorobenzene,_1,4-_(IS)	10.69	114	378382	10.00	ppbV		0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	363521	10.00	ppbV		0.00
System Monitoring Compounds							
60) Bromofluorobenzene_(tune_s	18.21	95	269909	10.17	ppbV		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.70%				
Target Compounds							Qvalue
2) Propene	3.83	41	77071	10.95	ppbV		99
3) Dichlorodifluoromethane	3.91	85	192236	10.32	ppbV		100
4) Chloromethane	4.09	50	84834	10.48	ppbV		100
5) Dichlorotetrafluoroethane	4.20	85	228794	10.23	ppbV		98
6) Vinyl_chloride	4.32	62	114721	9.96	ppbV		100
7) Butadiene,_1,3-	4.45	54	102167	10.58	ppbV		100
8) Bromomethane	4.73	94	77685	10.44	ppbV		100
9) Chloroethane	4.90	64	57405	10.89	ppbV		100
10) Ethanol	5.12	45	33137	11.28	ppbV		100
11) Bromoethene	5.25	106	36511	10.71	ppbV		99
12) Acetone	5.53	43	141426	11.26	ppbV		100
13) Trichlorofluoromethane	5.65	101	188484	10.47	ppbV		100
14) Isopropyl alcohol	5.80	45	184750	11.61	ppbV		100
15) Dichloroethylene,_1,1-	6.28	61	157117	10.84	ppbV		100
16) Butyl_Alcohol,_tert	6.39	59	86557	11.37	ppbV		100
17) Methylene_chloride	6.41	49	112353	10.40	ppbV		100
18) Chloropropene,_3-	6.53	76	14841	10.77	ppbV		100
19) Trichloro-1,2,2-trifluoroe	6.66	101	195276	9.91	ppbV		99
20) Carbon_disulfide	6.71	76	276599	10.37	ppbV		100
21) Dichloroethylene,_trans-1,	7.34	61	146073	10.76	ppbV		100
22) Dichloroethane, 1,1-	7.57	63	189886	10.88	ppbV		100
23) Methyl-t-butyl_ether	7.61	73	294707	10.88	ppbV		100
24) Vinyl acetate	7.61	43	66045	10.90	ppbV	#	99
25) Methyl_ethyl_ketone	7.98	43	204716	11.59	ppbV		100
26) Dichloroethylene,_cis-1,2-	8.43	61	140750	10.75	ppbV		100
27) Hexane	8.62	57	173836	10.60	ppbV		100
28) Ethyl acetate	8.65	61	34515	10.98	ppbV		100
29) Chloroform	8.74	83	206569	10.75	ppbV		100
31) Tetrahydrofuran	9.15	42	125163	10.34	ppbV		100
32) Dichloroethane,_1,2-	9.53	62	142385	10.11	ppbV		100
33) Trichloroethane,_1,1,1-	9.79	97	206238	9.64	ppbV		99
34) Benzene	10.31	78	354985	9.96	ppbV		100
35) Carbon_tetrachloride	10.47	117	179795	9.59	ppbV		100
36) Cyclohexane	10.60	56	177073	9.31	ppbV		99
37) Dichloropropane,_1,2-	11.23	63	117371	9.40	ppbV		99
38) Bromodichloromethane	11.45	83	237892	9.49	ppbV		100
39) Dioxane, 1,4-	11.49	88	80088	9.00	ppbV		99
40) Trichloroethylene	11.49	130	159284	8.31	ppbV		99
41) Trimethylpentane,_2,2,4-	11.52	57	253764	9.20	ppbV		100
42) Heptane	11.82	43	208287	9.55	ppbV		99
43) Dichloropropene,_cis-1,3-	12.51	75	195697	9.40	ppbV		100
44) Methyl_isobutyl_ketone	12.54	43	251453	10.32	ppbV		99
45) Dichloropropene,_trans-1,3	13.14	75	195976	9.71	ppbV		100

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs01.D
Acq On : 06 Dec 06 15:58
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 10:20:27 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

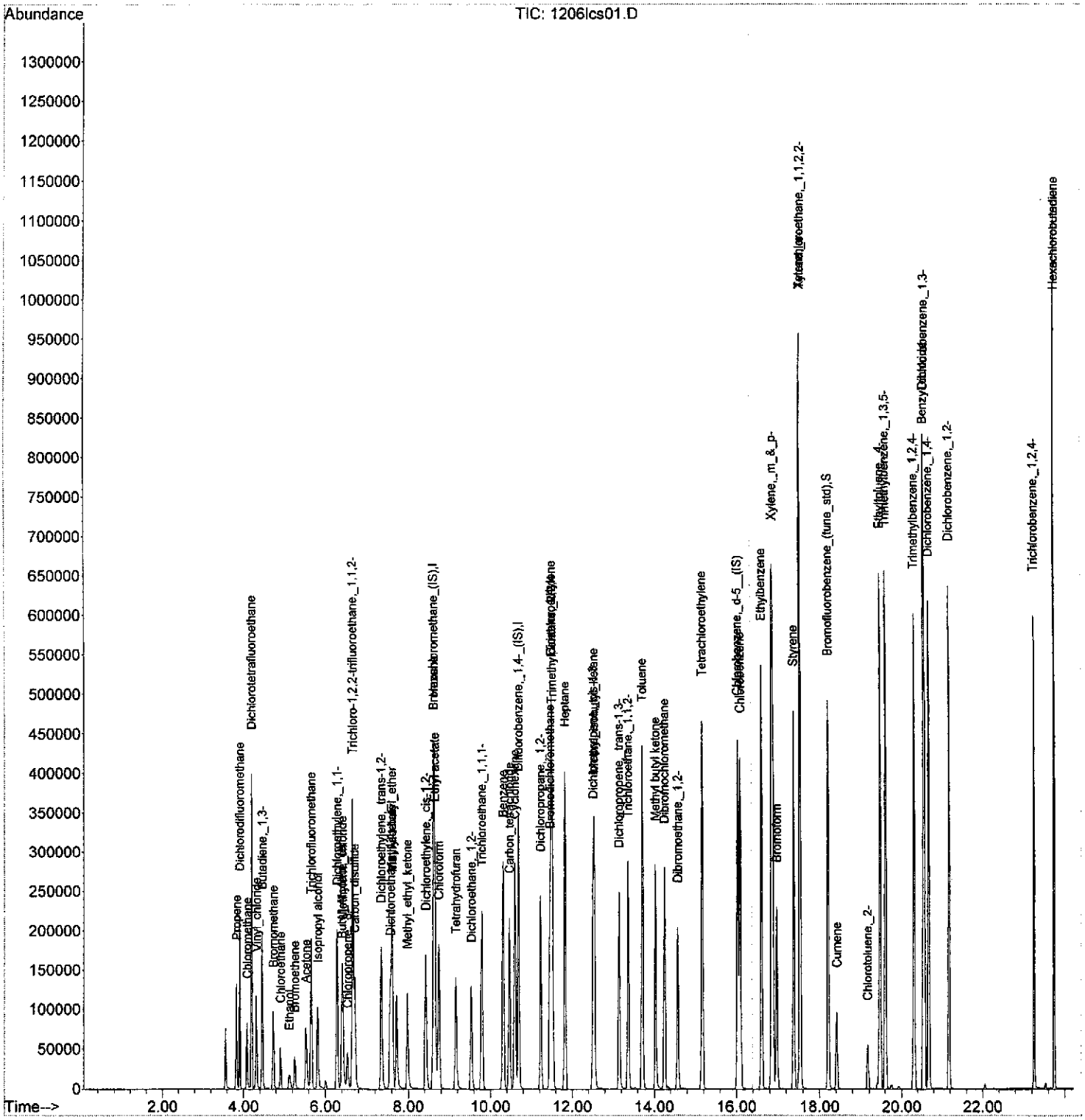
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.37	97	129423	9.33	ppbV		100
48) Toluene	13.71	91	432477	9.79	ppbV		99
49) Methyl butyl ketone	14.03	43	250351	11.25	ppbV		99
50) Dibromochloromethane	14.25	129	210225	9.25	ppbV		100
51) Dibromoethane,_1,2-	14.57	107	202526	9.11	ppbV		100
52) Tetrachloroethylene	15.17	166	200541	8.72	ppbV		99
53) Chlorobenzene	16.09	112	330226	9.52	ppbV		99
54) Ethylbenzene	16.60	91	545137	10.49	ppbV		99
55) Xylene,_m_&_p-	16.87	91	885504	10.42	ppbV		99
56) Bromoform	16.97	171	102181	8.59	ppbV	#	84
57) Styrene	17.38	104	340821	9.99	ppbV		100
58) Tetrachloroethane,_1,1,2,2	17.53	83	330481	9.61	ppbV		100
59) Xylene,_o-	17.53	91	467615	9.87	ppbV		99
61) Cumene	18.42	105	93194	10.09	ppbV		100
62) Chlorotoluene,_2-	19.17	91	48497	10.21	ppbV		100
63) Ethyltoluene,_4-	19.47	105	591043	11.01	ppbV		99
64) Trimethylbenzene,_1,3,5-	19.60	105	514712	10.56	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.30	105	494714	10.43	ppbV		99
66) Benzyl chloride	20.54	91	483287	10.84	ppbV		100
67) Dichlorobenzene,_1,3-	20.55	146	340261	9.33	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	328169	9.65	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	301277	9.95	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	171033	9.10	ppbV		99
71) Hexachlorobutadiene	23.74	TIC	589739	33.73	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs01.D
Acq On : 06 Dec 06 15:58
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 10:20:27 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration



Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1206LCS02
Date Analyzed: 12/6/06

Runs with this LCS:

10 PPBV DCS. [1206DCS_061206151240]; 3054 [120602]; BFB [1206BFB_061206135147]; METHOD BLANK [1206BLK]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	11	112	
Benzene	71-43-2	9.8	98	
Bromodichloromethane	75-27-4	9.5	95	
Bromoethene	593-60-2	11	108	
Bromoform	75-25-2	8.8	88	
Bromomethane	74-83-9	10	104	
1,3-Butadiene	106-99-0	11	108	
tert-Butyl alcohol	75-65-0	10	102	
Carbon disulfide	75-15-0	10	104	
Carbon tetrachloride	56-23-5	9.5	95	
Chlorobenzene	108-90-7	9.5	95	
Chloroethane	75-00-3	11	106	
Chloroform	67-66-3	11	108	
Chloromethane	74-87-3	10	104	
3-Chloropropene	107-05-1	11	110	
2-Chlorotoluene	95-49-8	10	104	
Cyclohexane	110-82-7	9.3	93	
Dibromochloromethane	124-48-1	9.1	91	
1,2-Dibromoethane	106-93-4	9.2	92	
1,2-Dichlorobenzene	95-50-1	10	102	
1,3-Dichlorobenzene	541-73-1	9.6	96	
1,4-Dichlorobenzene	106-46-7	9.9	99	
Dichlorodifluoromethane	75-71-8	10	102	
1,1-Dichloroethane	75-34-3	11	109	
1,2-Dichloroethane	107-06-2	10	100	
1,1-Dichloroethylene	75-35-4	11	109	
cis-1,2-Dichloroethylene	156-59-2	11	108	
trans-1,2-Dichloroethylene	156-60-5	11	109	
1,2-Dichloropropane	78-87-5	9.4	94	
cis-1,3-Dichloropropene	10061-01-5	9.5	95	
trans-1,3-Dichloropropene	10061-02-6	9.8	98	
Dichlorotetrafluoroethane	76-14-2	10	102	
Ethylbenzene	100-41-4	11	106	
4-Ethyltoluene	622-96-8	11	112	
Heptane	142-82-5	9.5	95	
Hexachlorobutadiene	87-68-3	45	451	*
Hexane	110-54-3	11	105	
Methyl ethyl ketone	78-93-3	12	116	
Methyl isobutyl ketone	108-10-1	11	107	
Methylene chloride	75-09-2	10	104	
Methyl-t-butyl ether	1634-04-4	11	109	
Styrene	100-42-5	10	102	
1,1,2,2-Tetrachloroethane	79-34-5	9.6	96	
Tetrachloroethylene	127-18-4	8.7	87	
Toluene	108-88-3	9.9	99	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	10	102	
1,2,4-Trichlorobenzene	120-82-1	9.5	95	
1,1,1-Trichloroethane	71-55-6	9.7	97	
1,1,2-Trichloroethane	79-00-5	9.3	93	
Trichloroethylene	79-01-6	8.2	82	
Trichlorofluoromethane	75-69-4	10	104	
1,2,4-Trimethylbenzene	95-63-6	11	108	
1,3,5-Trimethylbenzene	108-67-8	11	107	
2,2,4-Trimethylpentane	540-84-1	9.1	91	
Vinyl chloride	75-01-4	8.9	89	
m or p-Xylene	1330-20-7	11	107	
o-Xylene	95-47-6	10.0	100	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs02.D
Acq On : 06 Dec 06 16:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 03 12:45:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Wed Jan 03 12:40:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.61	130	81836	10.00	ppbV	0.00
30) Difluorobenzene,_1,4-_(IS)	10.69	114	382350	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.02	117	366752	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	269980	10.08	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.80%			
Target Compounds						Qvalue
2) Propene	3.82	41	76609	10.79	ppbV	99
3) Dichlorodifluoromethane	3.91	85	191901	10.22	ppbV	100
4) Chloromethane	4.08	50	84677	10.37	ppbV	100
5) Dichlorotetrafluoroethane	4.20	85	230045	10.20	ppbV	98
6) Vinyl_chloride	4.31	62	103508	8.91	ppbV	100
7) Butadiene,_1,3-	4.45	54	104716	10.75	ppbV	100
8) Bromomethane	4.73	94	77695	10.36	ppbV	100
9) Chloroethane	4.91	64	56543	10.64	ppbV	100
10) Ethanol	5.12	45	33806	11.41	ppbV	99
11) Bromoethene	5.25	106	36984	10.76	ppbV	99
12) Acetone	5.53	43	141665	11.18	ppbV	100
13) Trichlorofluoromethane	5.65	101	188806	10.40	ppbV	100
14) Isopropyl alcohol	5.81	45	184914	11.52	ppbV	100
15) Dichloroethylene,_1,1-	6.28	61	158832	10.87	ppbV	99
16) Butyl_Alcohol,_tert	6.39	59	78029	10.17	ppbV	100
17) Methylene_chloride	6.41	49	113398	10.41	ppbV	99
18) Chloropropene,_3-	6.53	76	15229	10.96	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.66	101	202331	10.19	ppbV	99
20) Carbon_disulfide	6.71	76	280704	10.44	ppbV	100
21) Dichloroethylene,_trans-1,	7.35	61	149262	10.91	ppbV	100
22) Dichloroethane, 1,1-	7.56	63	192663	10.94	ppbV	100
23) Methyl-t-butyl_ether	7.61	73	296779	10.86	ppbV	100
24) Vinyl acetate	7.61	43	66535	10.89	ppbV #	99
25) Methyl_ethyl_ketone	7.97	43	206003	11.57	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.42	61	142243	10.78	ppbV	99
27) Hexane	8.62	57	174280	10.54	ppbV	100
28) Ethyl acetate	8.66	61	34638	10.93	ppbV	100
29) Chloroform	8.74	83	209433	10.80	ppbV	99
31) Tetrahydrofuran	9.16	42	123754	10.12	ppbV	100
32) Dichloroethane,_1,2-	9.53	62	142715	10.03	ppbV	100
33) Trichloroethane,_1,1,1-	9.80	97	209435	9.68	ppbV	100
34) Benzene	10.31	78	354464	9.84	ppbV	100
35) Carbon_tetrachloride	10.46	117	179216	9.46	ppbV	100
36) Cyclohexane	10.60	56	179544	9.34	ppbV	99
37) Dichloropropane,_1,2-	11.23	63	118365	9.38	ppbV	100
38) Bromodichloromethane	11.45	83	240242	9.48	ppbV	99
39) Dioxane, 1,4-	11.48	88	81065	9.01	ppbV	99
40) Trichloroethylene	11.50	130	158642	8.19	ppbV	99
41) Trimethylpentane,_2,2,4-	11.52	57	253284	9.09	ppbV	100
42) Heptane	11.82	43	209844	9.52	ppbV	99
43) Dichloropropene,_cis-1,3-	12.51	75	199952	9.50	ppbV	100
44) Methyl_isobutyl_ketone	12.55	43	264600	10.74	ppbV	99
45) Dichloropropene,_trans-1,3	13.15	75	199353	9.78	ppbV	100

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs02.D
Acq On : 06 Dec 06 16:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

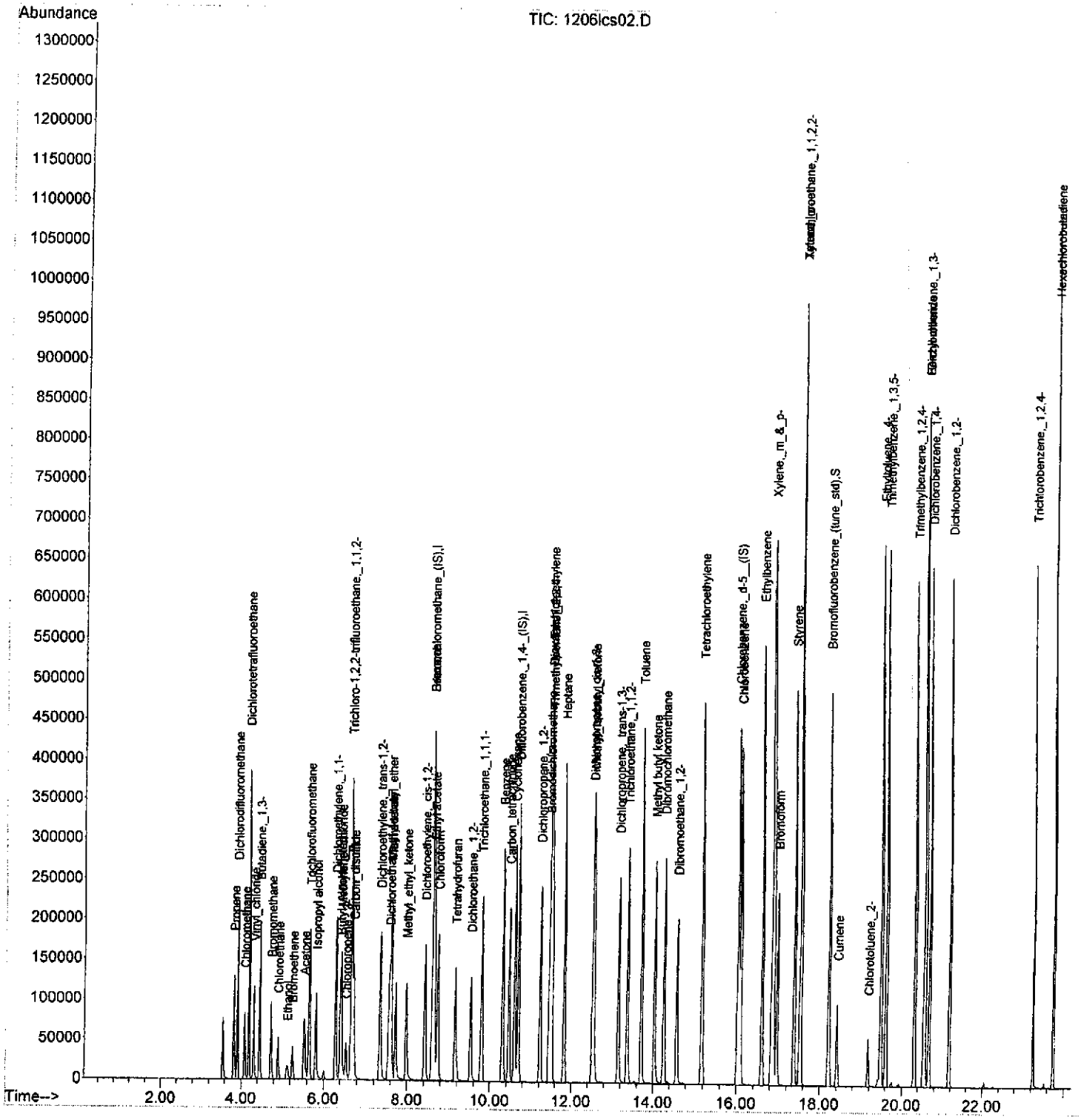
Quant Time: Jan 03 12:45:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Wed Jan 03 12:40:57 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	130869	9.34	ppbV		100
48) Toluene	13.71	91	442921	9.94	ppbV		99
49) Methyl butyl ketone	14.03	43	250829	11.17	ppbV		99
50) Dibromochloromethane	14.25	129	209439	9.14	ppbV		100
51) Dibromoethane,_1,2-	14.57	107	206250	9.20	ppbV		99
52) Tetrachloroethylene	15.17	166	202094	8.71	ppbV		99
53) Chlorobenzene	16.08	112	333333	9.53	ppbV		100
54) Ethylbenzene	16.60	91	553814	10.57	ppbV		99
55) Xylene,_m_&_p-	16.86	91	913754	10.66	ppbV		99
56) Bromoform	16.97	171	105111	8.76	ppbV	#	85
57) Styrene	17.38	104	350350	10.18	ppbV		100
58) Tetrachloroethane,_1,1,2,2	17.52	83	331357	9.55	ppbV		100
59) Xylene,_o-	17.53	91	475381	9.95	ppbV		99
61) Cumene	18.42	105	95147	10.21	ppbV		100
62) Chlorotoluene,_2-	19.17	91	49656	10.36	ppbV		100
63) Ethyltoluene,_4-	19.47	105	608781	11.24	ppbV		100
64) Trimethylbenzene,_1,3,5-	19.61	105	527895	10.73	ppbV		99
65) Trimethylbenzene,_1,2,4-	20.31	105	514342	10.75	ppbV		99
66) Benzyl chloride	20.54	91	494463	10.99	ppbV		100
67) Dichlorobenzene,_1,3-	20.56	146	351359	9.55	ppbV		100
68) Dichlorobenzene,_1,4-	20.67	146	338309	9.86	ppbV		100
69) Dichlorobenzene,_1,2-	21.17	146	311470	10.20	ppbV		100
70) Trichlorobenzene,_1,2,4-	23.25	180	179826	9.49	ppbV		98
71) Hexachlorobutadiene	23.74	225	184923	10.48	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1206lcs02.D
Acq On : 06 Dec 06 16:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 03 12:45:33 2007
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Wed Jan 03 12:40:57 2007
Response via : Initial Calibration



Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1214LCS01
Date Analyzed: 12/14/06

Runs with this LCS:

10 PPBV DCS. [1214DCS]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]; METHOD BLANK [1214BLK_061214134343]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	12	124	
Benzene	71-43-2	10	104	
Bromodichloromethane	75-27-4	9.9	99	
Bromoethene	593-60-2	12	121	
Bromoform	75-25-2	9.6	96	
Bromomethane	74-83-9	11	114	
1,3-Butadiene	106-99-0	13	134	*
tert-Butyl alcohol	75-65-0	11	107	
Carbon disulfide	75-15-0	12	115	
Carbon tetrachloride	56-23-5	10	104	
Chlorobenzene	108-90-7	9.7	97	
Chloroethane	75-00-3	11	112	
Chloroform	67-66-3	11	113	
Chloromethane	74-87-3	12	119	
3-Chloropropene	107-05-1	13	134	*
2-Chlorotoluene	95-49-8	11	109	
Cyclohexane	110-82-7	10	101	
Dibromochloromethane	124-48-1	9.4	94	
1,2-Dibromoethane	106-93-4	9.5	95	
1,2-Dichlorobenzene	95-50-1	8.8	88	
1,3-Dichlorobenzene	541-73-1	8.5	85	
1,4-Dichlorobenzene	106-46-7	9.0	90	
Dichlorodifluoromethane	75-71-8	11	113	
1,1-Dichloroethane	75-34-3	11	113	
1,2-Dichloroethane	107-06-2	11	107	
1,1-Dichloroethylene	75-35-4	12	116	
cis-1,2-Dichloroethylene	156-59-2	12	116	
trans-1,2-Dichloroethylene	156-60-5	12	121	
1,2-Dichloropropane	78-87-5	10.0	100	
cis-1,3-Dichloropropene	10061-01-5	10	101	
trans-1,3-Dichloropropene	10061-02-6	11	108	
Dichlorotetrafluoroethane	76-14-2	12	118	
Ethylbenzene	100-41-4	10	103	
4-Ethyltoluene	622-96-8	10	103	
Heptane	142-82-5	9.8	98	
Hexachlorobutadiene	87-68-3	9.0	90	
Hexane	110-54-3	11	110	
Methyl ethyl ketone	78-93-3	13	129	
Methyl isobutyl ketone	108-10-1	11	109	
Methylene chloride	75-09-2	11	110	
Methyl-t-butyl ether	1634-04-4	12	116	
Styrene	100-42-5	10	102	
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94	
Tetrachloroethylene	127-18-4	8.6	86	
Toluene	108-88-3	9.4	94	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	113	
1,2,4-Trichlorobenzene	120-82-1	8.7	87	
1,1,1-Trichloroethane	71-55-6	10	103	
1,1,2-Trichloroethane	79-00-5	9.8	98	
Trichloroethylene	79-01-6	8.7	87	
Trichlorofluoromethane	75-69-4	12	121	
1,2,4-Trimethylbenzene	95-63-6	10	101	
1,3,5-Trimethylbenzene	108-67-8	9.9	99	
2,2,4-Trimethylpentane	540-84-1	9.6	96	
Vinyl chloride	75-01-4	11	112	
m or p-Xylene	1330-20-7	10	101	
o-Xylene	95-47-6	9.7	97	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs01.D
Acq On : 14 Dec 2006 08:50
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 08:35:07 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Tue Dec 12 09:03:02 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	56501	10.00	ppbV	-0.02
30) Difluorobenzene,_1,4-_(IS)	10.68	114	262414	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.02	117	252483	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	186293	10.06	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.60%			
Target Compounds						Qvalue
2) Propene	3.82	41	62608	11.50	ppbV	100
3) Dichlorodifluoromethane	3.90	85	167324	11.34	ppbV	100
4) Chloromethane	4.08	50	73465	11.92	ppbV	100
5) Dichlorotetrafluoroethane	4.19	85	205653	11.77	ppbV	98
6) Vinyl_chloride	4.30	62	108108	11.22	ppbV	100
7) Butadiene,_1,3-	4.44	54	94931	13.36	ppbV	99
8) Bromomethane	4.72	94	65337	11.39	ppbV	100
9) Chloroethane	4.90	64	46128	11.24	ppbV	100
10) Ethanol	5.11	45	15119	7.53	ppbV	100
11) Bromoethene	5.24	106	26811	12.07	ppbV	100
12) Acetone	5.51	43	114562	12.35	ppbV	100
13) Trichlorofluoromethane	5.64	101	163122	12.08	ppbV	100
14) Isopropyl alcohol	5.79	45	149300	12.72	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	129847	11.58	ppbV	100
16) Butyl_Alcohol,_tert	6.37	59	53493	10.69	ppbV	100
17) Methylene_chloride	6.40	49	92296	11.01	ppbV	99
18) Chloropropene,_3-	6.52	76	10509	13.37	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.65	101	164706	11.31	ppbV	99
20) Carbon_disulfide	6.70	76	232885	11.52	ppbV	100
21) Dichloroethylene,_trans-1,	7.33	61	122105	12.09	ppbV	100
22) Dichloroethane, 1,1-	7.55	63	155086	11.27	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	243577	11.56	ppbV	100
24) Vinyl acetate	7.60	43	54987	11.29	ppbV #	99
25) Methyl_ethyl_ketone	7.96	43	168010	12.93	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.41	61	116343	11.56	ppbV	100
27) Hexane	8.61	57	145286	10.96	ppbV	99
28) Ethyl acetate	8.64	61	28874	12.78	ppbV	100
29) Chloroform	8.73	83	167180	11.33	ppbV	100
31) Tetrahydrofuran	9.15	42	99530	10.65	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	115680	10.71	ppbV	100
33) Trichloroethane,_1,1,1-	9.78	97	170925	10.28	ppbV	100
34) Benzene	10.30	78	293283	10.40	ppbV	100
35) Carbon_tetrachloride	10.46	117	145309	10.37	ppbV	100
36) Cyclohexane	10.59	56	144665	10.06	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	97506	9.95	ppbV	100
38) Bromodichloromethane	11.44	83	196659	9.88	ppbV	100
39) Dioxane, 1,4-	11.48	88	68567	9.65	ppbV	98
40) Trichloroethylene	11.48	130	132005	8.68	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	192427	9.56	ppbV	100
42) Heptane	11.81	43	171117	9.79	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	162417	10.12	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	203461	10.89	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	160338	10.76	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs01.D
Acq On : 14 Dec 2006 08:50
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 08:35:07 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Tue Dec 12 09:03:02 2006
Response via : Initial Calibration

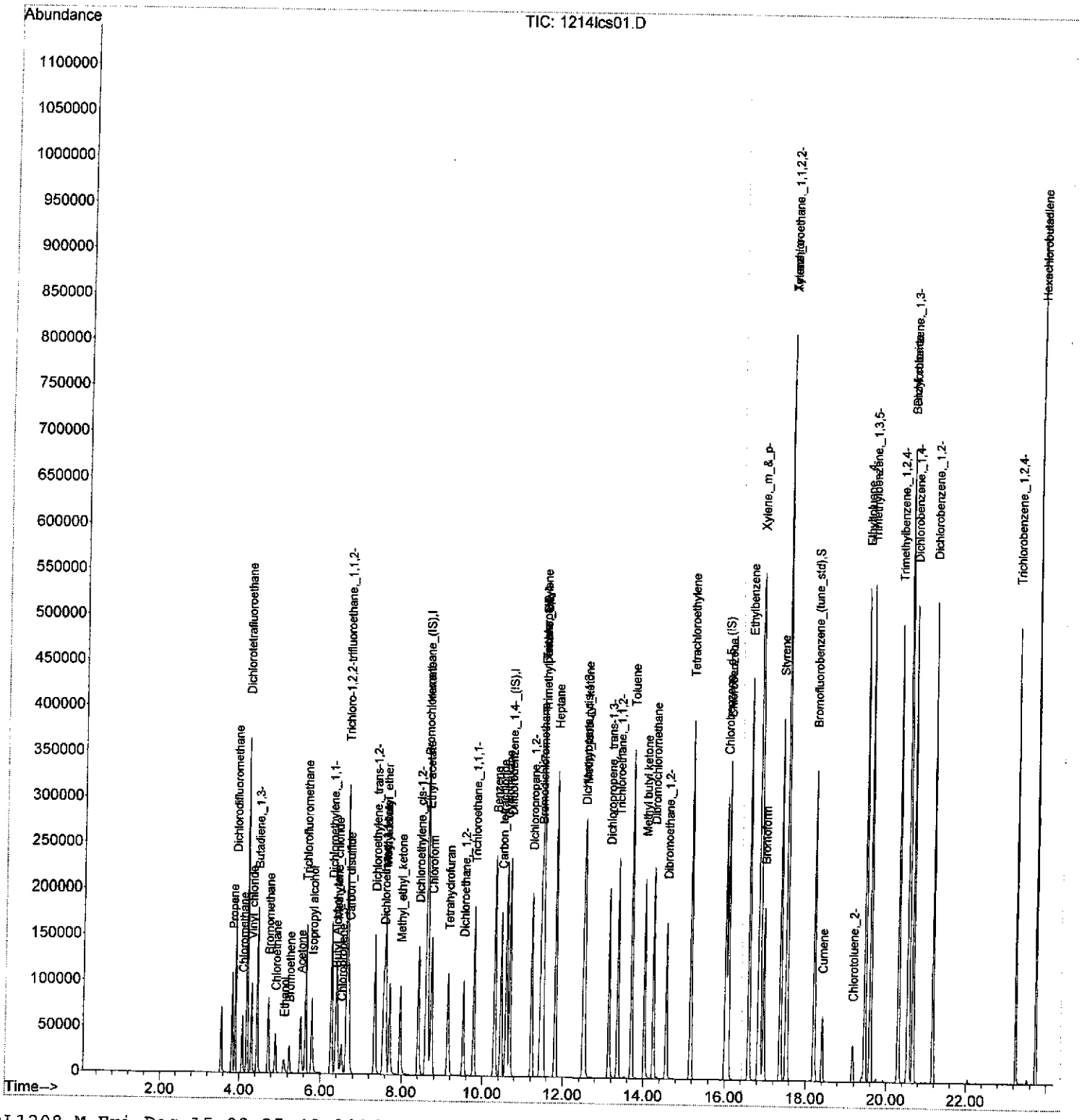
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	105556	9.78	ppbV	100
48) Toluene	13.71	91	357933	9.36	ppbV	99
49) Methyl butyl ketone	14.02	43	188226	11.25	ppbV	100
50) Dibromochloromethane	14.25	129	169741	9.42	ppbV	100
51) Dibromoethane,_1,2-	14.56	107	167003	9.51	ppbV	100
52) Tetrachloroethylene	15.16	166	165305	8.64	ppbV	99
53) Chlorobenzene	16.08	112	272157	9.73	ppbV	100
54) Ethylbenzene	16.60	91	448278	10.33	ppbV	99
55) Xylene,_m_&_p-	16.86	91	738363	10.11	ppbV	99
56) Bromoform	16.96	93	37837	9.61	ppbV	100
57) Styrene	17.37	104	285905	10.17	ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	278622	9.44	ppbV	99
59) Xylene,_o-	17.53	91	394582	9.68	ppbV	99
61) Cumene	18.41	105	67625	9.68	ppbV	100
62) Chlorotoluene,_2-	19.16	91	35251	10.86	ppbV	100
63) Ethyltoluene,_4-	19.47	105	490953	10.29	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	422102	9.88	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	410285	10.08	ppbV	99
66) Benzyl chloride	20.54	91	384713	10.22	ppbV	100
67) Dichlorobenzene,_1,3-	20.56	146	280028	8.53	ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	273019	8.99	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	242180	8.83	ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	131747	8.68	ppbV	99
71) Hexachlorobutadiene	23.74	190	65587	8.95	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs01.D
Acq On : 14 Dec 2006 08:50
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 08:35:07 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Tue Dec 12 09:03:02 2006
Response via : Initial Calibration



PAL1208.M Fri Dec 15 08:35:49 2006 S1

Laboratory Control Spike

Sample Name: 10 PPBV LCS
Spike Amount: 10 ppbv

Data File: 1214LCS02
Date Analyzed: 12/14/06

Runs with this LCS:

10 PPBV DCS. [1214DCS]; 60695-02 [121403]; 60695-03 [121404]; 60695-04 [121405]; 60695-05 [121406]; BFB [1214BFB]; METHOD BLANK [1214BLK_061214134343]

Compound	CAS #	Calculated Amount ppbv	% Recovery	
Acetone	67-64-1	12	124	
Benzene	71-43-2	10	103	
Bromodichloromethane	75-27-4	9.7	97	
Bromoethene	593-60-2	12	122	
Bromoform	75-25-2	9.6	96	
Bromomethane	74-83-9	11	114	
1,3-Butadiene	106-99-0	13	127	
tert-Butyl alcohol	75-65-0	12	121	
Carbon disulfide	75-15-0	11	114	
Carbon tetrachloride	56-23-5	10	105	
Chlorobenzene	108-90-7	9.7	97	
Chloroethane	75-00-3	11	113	
Chloroform	67-66-3	11	115	
Chloromethane	74-87-3	12	119	
3-Chloropropene	107-05-1	14	136	*
2-Chlorotoluene	95-49-8	11	108	
Cyclohexane	110-82-7	9.9	99	
Dibromochloromethane	124-48-1	9.6	96	
1,2-Dibromoethane	106-93-4	9.6	96	
1,2-Dichlorobenzene	95-50-1	8.9	89	
1,3-Dichlorobenzene	541-73-1	8.6	86	
1,4-Dichlorobenzene	106-46-7	8.9	89	
Dichlorodifluoromethane	75-71-8	11	114	
1,1-Dichloroethane	75-34-3	11	112	
1,2-Dichloroethane	107-06-2	11	107	
1,1-Dichloroethylene	75-35-4	12	116	
cis-1,2-Dichloroethylene	156-59-2	11	115	
trans-1,2-Dichloroethylene	156-60-5	12	121	
1,2-Dichloropropane	78-87-5	9.9	99	
cis-1,3-Dichloropropene	10061-01-5	10	101	
trans-1,3-Dichloropropene	10061-02-6	11	109	
Dichlorotetrafluoroethane	76-14-2	12	118	
Ethylbenzene	100-41-4	10	104	
4-Ethyltoluene	622-96-8	10	102	
Heptane	142-82-5	9.7	97	
Hexachlorobutadiene	87-68-3	8.6	86	
Hexane	110-54-3	11	109	
Methyl ethyl ketone	78-93-3	13	128	
Methyl isobutyl ketone	108-10-1	11	108	
Methylene chloride	75-09-2	11	112	
Methyl-t-butyl ether	1634-04-4	12	115	
Styrene	100-42-5	10	101	
1,1,2,2-Tetrachloroethane	79-34-5	9.4	94	
Tetrachloroethylene	127-18-4	8.6	86	
Toluene	108-88-3	9.4	94	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	115	
1,2,4-Trichlorobenzene	120-82-1	8.8	88	
1,1,1-Trichloroethane	71-55-6	10	102	
1,1,2-Trichloroethane	79-00-5	9.7	97	
Trichloroethylene	79-01-6	8.7	87	
Trichlorofluoromethane	75-69-4	12	120	
1,2,4-Trimethylbenzene	95-63-6	10	100	
1,3,5-Trimethylbenzene	108-67-8	9.8	98	
2,2,4-Trimethylpentane	540-84-1	9.4	94	
Vinyl chloride	75-01-4	11	111	
m or p-Xylene	1330-20-7	10	102	
o-Xylene	95-47-6	9.6	96	

LCS recovery must be within 70-130% of the spiked value for 90% of the compounds.
*** Values outside of QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs02.D
Acq On : 14 Dec 2006 09:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 15 08:37:02 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	56113	10.00	ppbV	-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	261165	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	250310	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	186034	10.13	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.30%			
Target Compounds						Qvalue
2) Propene	3.81	41	60923	11.27	ppbV	100
3) Dichlorodifluoromethane	3.89	85	166768	11.38	ppbV	100
4) Chloromethane	4.07	50	72722	11.89	ppbV	100
5) Dichlorotetrafluoroethane	4.18	85	204718	11.80	ppbV	99
6) Vinyl_chloride	4.30	62	106407	11.12	ppbV	100
7) Butadiene,_1,3-	4.44	54	89608	12.70	ppbV	99
8) Bromomethane	4.71	94	64689	11.36	ppbV	100
9) Chloroethane	4.89	64	46217	11.34	ppbV	100
10) Ethanol	5.10	45	27773	13.93	ppbV	100
11) Bromoethene	5.23	106	26875	12.18	ppbV	99
12) Acetone	5.50	43	113899	12.37	ppbV	100
13) Trichlorofluoromethane	5.63	101	161308	12.03	ppbV	100
14) Isopropyl alcohol	5.78	45	148612	12.75	ppbV	100
15) Dichloroethylene,_1,1-	6.26	61	129310	11.61	ppbV	100
16) Butyl_Alcohol,_tert	6.36	59	60149	12.11	ppbV	100
17) Methylene_chloride	6.40	49	92864	11.16	ppbV	100
18) Chloropropene,_3-	6.51	76	10626	13.62	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.64	101	166184	11.49	ppbV	99
20) Carbon_disulfide	6.69	76	228406	11.38	ppbV	100
21) Dichloroethylene,_trans-1,	7.33	61	121711	12.13	ppbV	100
22) Dichloroethane, 1,1-	7.54	63	152943	11.19	ppbV	100
23) Methyl-t-butyl_ether	7.59	73	240585	11.50	ppbV	100
24) Vinyl acetate	7.59	43	53742	11.11	ppbV #	99
25) Methyl_ethyl_ketone	7.96	43	165228	12.81	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.41	61	114460	11.45	ppbV	100
27) Hexane	8.61	57	143973	10.94	ppbV	99
28) Ethyl acetate	8.64	61	28267	12.60	ppbV	99
29) Chloroform	8.72	83	167778	11.45	ppbV	99
31) Tetrahydrofuran	9.14	42	99296	10.67	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	114544	10.65	ppbV	100
33) Trichloroethane,_1,1,1-	9.78	97	169491	10.24	ppbV	100
34) Benzene	10.30	78	289033	10.30	ppbV	100
35) Carbon_tetrachloride	10.45	117	146272	10.49	ppbV	100
36) Cyclohexane	10.59	56	142219	9.94	ppbV	100
37) Dichloropropane,_1,2-	11.22	63	96103	9.86	ppbV	100
38) Bromodichloromethane	11.44	83	191684	9.68	ppbV	100
39) Dioxane, 1,4-	11.47	88	67557	9.56	ppbV	98
40) Trichloroethylene	11.49	130	131436	8.68	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	188790	9.42	ppbV	100
42) Heptane	11.81	43	169548	9.74	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	160978	10.07	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	199873	10.75	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	161356	10.88	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs02.D
Acq On : 14 Dec 2006 09:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 15 08:37:02 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration

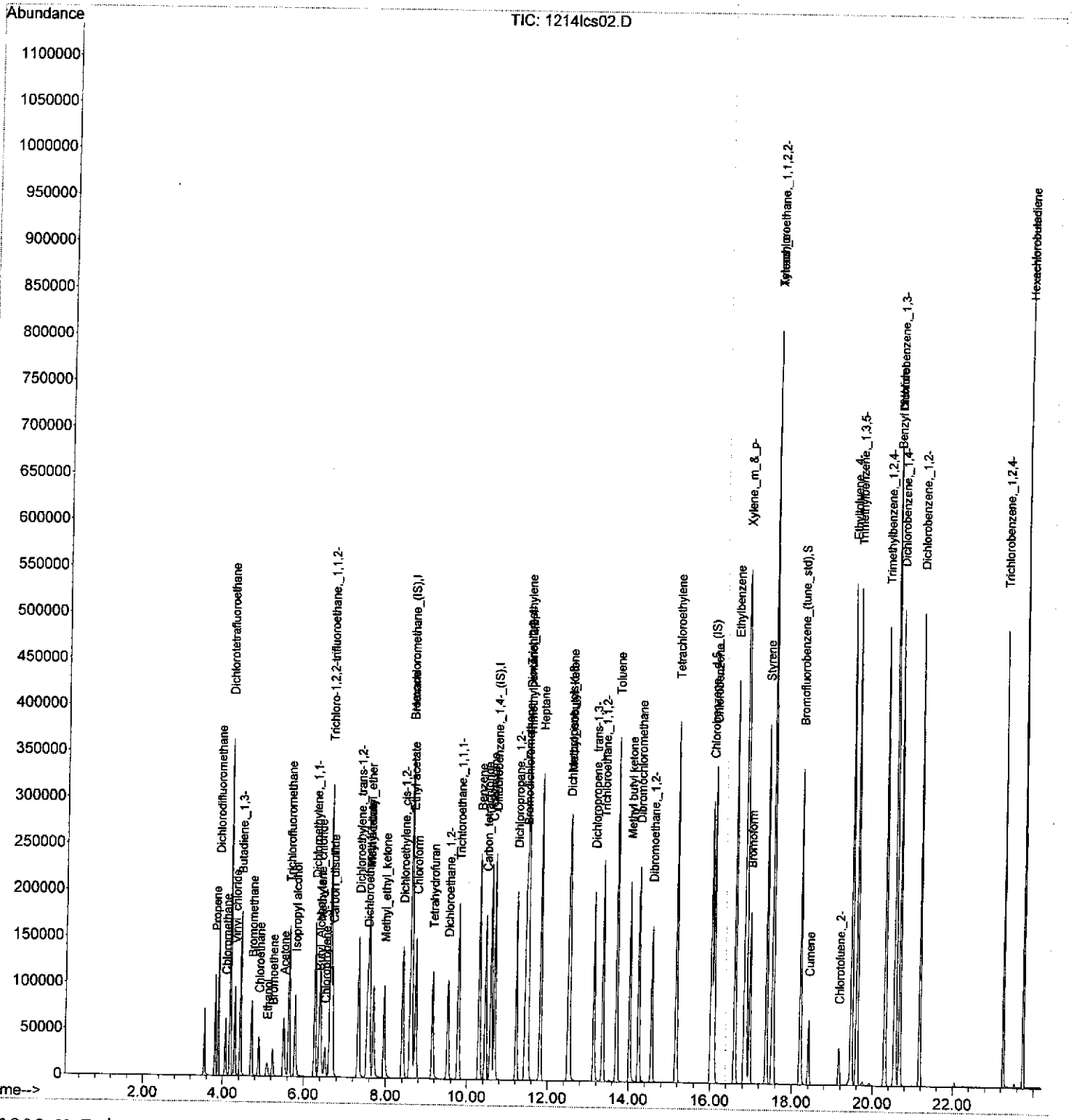
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	103977	9.68	ppbV	100
48) Toluene	13.70	91	357381	9.43	ppbV	100
49) Methyl butyl ketone	14.02	43	184243	11.11	ppbV	100
50) Dibromochloromethane	14.25	129	170582	9.55	ppbV	100
51) Dibromoethane,_1,2-	14.56	107	167573	9.62	ppbV	99
52) Tetrachloroethylene	15.16	166	163626	8.63	ppbV	100
53) Chlorobenzene	16.08	112	269596	9.72	ppbV	99
54) Ethylbenzene	16.60	91	445641	10.36	ppbV	99
55) Xylene,_m_&_p-	16.86	91	737435	10.19	ppbV	99
56) Bromoform	16.97	93	37546	9.61	ppbV	100
57) Styrene	17.38	104	280993	10.08	ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	273885	9.36	ppbV	100
59) Xylene,_o-	17.53	91	386952	9.57	ppbV	99
61) Cumene	18.41	105	66401	9.58	ppbV	100
62) Chlorotoluene,_2-	19.16	91	34729	10.80	ppbV	100
63) Ethyltoluene,_4-	19.47	105	484048	10.24	ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	416226	9.83	ppbV	100
65) Trimethylbenzene,_1,2,4-	20.30	105	404568	10.02	ppbV	99
66) Benzyl chloride	20.54	91	388698	10.42	ppbV	100
67) Dichlorobenzene,_1,3-	20.56	146	278569	8.56	ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	268224	8.91	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	242231	8.91	ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	132748	8.82	ppbV	99
71) Hexachlorobutadiene	23.74	190	62224	8.57	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1214lcs02.D
Acq On : 14 Dec 2006 09:37
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 15 08:37:02 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 08:36:47 2006
Response via : Initial Calibration



PAL1208.M Fri Dec 15 08:37:35 2006 S1

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs01.D
Acq On : 15 Dec 06 16:26
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:29:45 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	67935	10.00	ppbV	-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	313768	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	300767	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	210137	9.52	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.20%			
Target Compounds						Qvalue
2) Propene	3.81	41	64592	9.87	ppbV	99
3) Dichlorodifluoromethane	3.89	85	167994	9.47	ppbV	100
4) Chloromethane	4.07	50	73259	9.89	ppbV	100
5) Dichlorotetrafluoroethane	4.19	85	202379	9.63	ppbV	98
6) Vinyl_chloride	4.30	62	110509	9.54	ppbV	100
7) Butadiene,_1,3-	4.44	54	92574	10.84	ppbV	99
8) Bromomethane	4.72	94	67162	9.74	ppbV	100
9) Chloroethane	4.90	64	47431	9.62	ppbV	100
10) Ethanol	5.11	45	29010	12.02	ppbV	99
11) Bromoethene	5.24	106	27906	10.45	ppbV	100
12) Acetone	5.51	43	114703	10.29	ppbV	99
13) Trichlorofluoromethane	5.65	101	150519	9.27	ppbV	100
14) Isopropyl alcohol	5.80	45	152272	10.79	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	132188	9.81	ppbV	99
16) Butyl_Alcohol,_tert	6.38	59	64943	10.80	ppbV	100
17) Methylene_chloride	6.40	49	95608	9.49	ppbV	100
18) Chloropropene,_3-	6.52	76	10725	11.35	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.64	101	173936	9.94	ppbV	99
20) Carbon_disulfide	6.69	76	238422	9.81	ppbV	100
21) Dichloroethylene,_trans-1,	7.34	61	125497	10.33	ppbV	100
22) Dichloroethane, 1,1-	7.55	63	157891	9.54	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	251312	9.92	ppbV	100
24) Vinyl acetate	7.60	43	55194	9.43	ppbV #	99
25) Methyl_ethyl_ketone	7.97	43	170568	10.92	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.41	61	118203	9.77	ppbV	100
27) Hexane	8.61	57	150961	9.47	ppbV	98
28) Ethyl acetate	8.64	61	29437	10.83	ppbV	100
29) Chloroform	8.73	83	168663	9.51	ppbV	100
31) Tetrahydrofuran	9.15	42	101632	9.09	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	117898	9.13	ppbV	100
33) Trichloroethane,_1,1,1-	9.78	97	176268	8.87	ppbV	100
34) Benzene	10.29	78	302755	8.98	ppbV	100
35) Carbon_tetrachloride	10.46	117	147937	8.83	ppbV	99
36) Cyclohexane	10.59	56	148480	8.64	ppbV	100
37) Dichloropropane,_1,2-	11.22	63	102252	8.73	ppbV	100
38) Bromodichloromethane	11.44	83	206710	8.69	ppbV	99
39) Dioxane, 1,4-	11.47	88	73872	8.70	ppbV	98
40) Trichloroethylene	11.49	130	141876	7.80	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	199772	8.30	ppbV	100
42) Heptane	11.81	43	179779	8.60	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	171086	8.91	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	209047	9.36	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	168667	9.46	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs01.D
Acq On : 15 Dec 06 16:26
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 16:29:45 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01 or 02
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

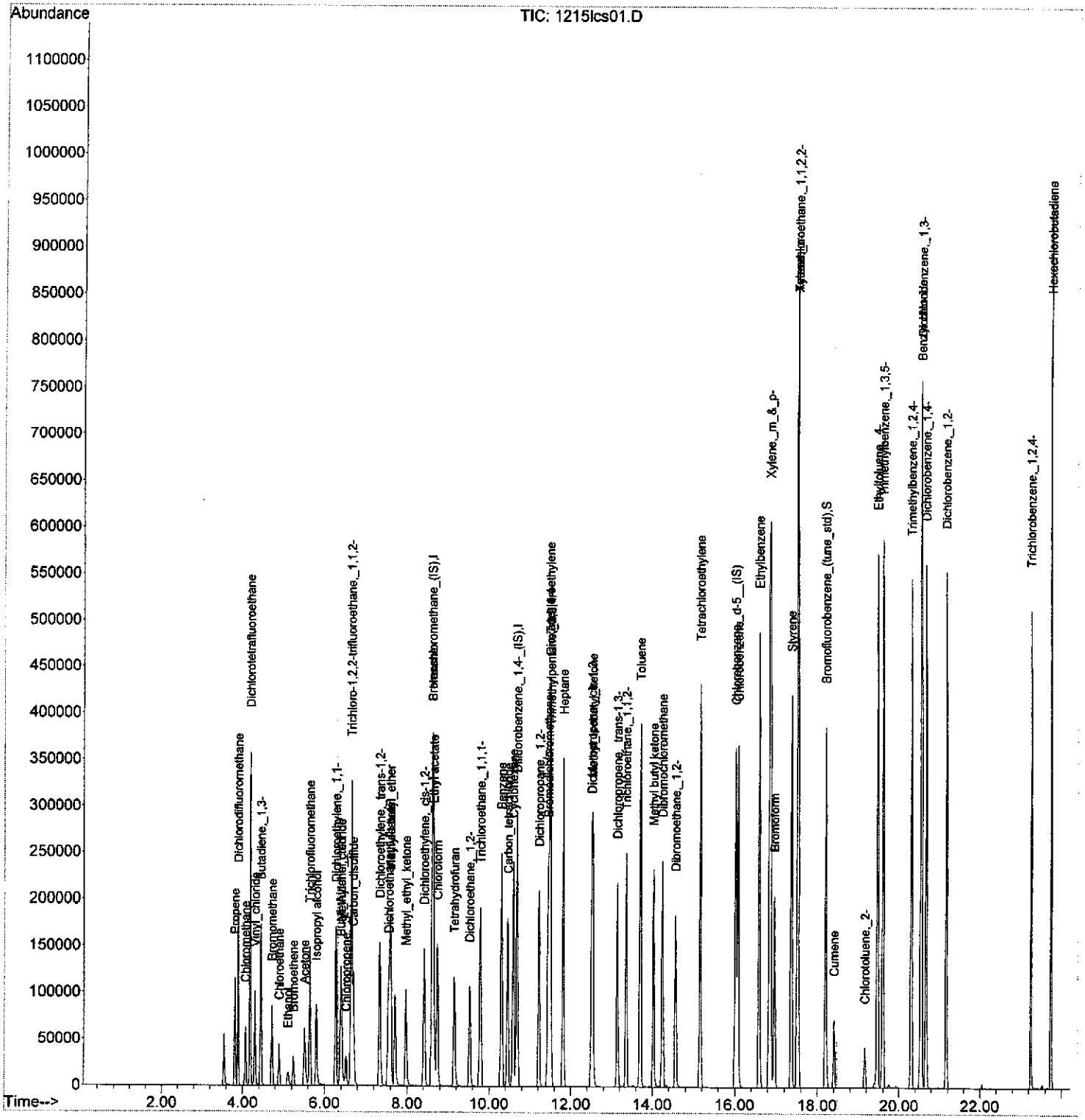
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.36	97	111425	8.63	ppbV	100
48) Toluene	13.70	91	380326	8.35	ppbV	99
49) Methyl butyl ketone	14.02	43	196336	9.85	ppbV	100
50) Dibromochloromethane	14.24	129	182180	8.49	ppbV	100
51) Dibromoethane,_1,2-	14.56	107	177514	8.48	ppbV	100
52) Tetrachloroethylene	15.16	166	177023	7.77	ppbV	100
53) Chlorobenzene	16.08	112	289889	8.70	ppbV	99
54) Ethylbenzene	16.59	91	478467	9.25	ppbV	100
55) Xylene,_m_&_p-	16.86	91	795441	9.15	ppbV	99
56) Bromoform	16.96	93	40344	8.60	ppbV	100
57) Styrene	17.37	104	300175	8.96	ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	301716	8.58	ppbV	100
59) Xylene,_o-	17.53	91	421646	8.68	ppbV	99
61) Cumene	18.40	105	70359	8.45	ppbV	100
62) Chlorotoluene,_2-	19.16	91	36818	9.53	ppbV	100
63) Ethyltoluene,_4-	19.47	105	518931	9.13	ppbV	100
64) Trimethylbenzene,_1,3,5-	19.60	105	453931	8.92	ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	436386	9.00	ppbV	100
66) Benzyl chloride	20.53	91	421036	9.39	ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	309376	7.91	ppbV	99
68) Dichlorobenzene,_1,4-	20.66	146	293520	8.12	ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	259657	7.95	ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	135382	7.48	ppbV	100
71) Hexachlorobutadiene	23.74	190	65018	7.45	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs01.D
Acq On : 15 Dec 06 16:26
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 16:29:45 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs02.D
Acq On : 15 Dec 06 17:10
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:33:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.60	130	68452	10.00	ppbV	-0.01
30) Difluorobenzene,_1,4-_(IS)	10.68	114	311884	10.00	ppbV	-0.01
47) Chlorobenzene,_d-5__(IS)	16.02	117	294404	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.20	95	201727	9.34	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 93.40%			
Target Compounds						Qvalue
2) Propene	3.80	41	63872	9.68	ppbV	100
3) Dichlorodifluoromethane	3.89	85	167903	9.39	ppbV	100
4) Chloromethane	4.07	50	74296	9.95	ppbV	100
5) Dichlorotetrafluoroethane	4.18	85	206171	9.74	ppbV	98
6) Vinyl_chloride	4.30	62	111539	9.55	ppbV	100
7) Butadiene,_1,3-	4.44	54	94307	10.96	ppbV	98
8) Bromomethane	4.72	94	68277	9.83	ppbV	100
9) Chloroethane	4.89	64	48065	9.67	ppbV	100
10) Ethanol	5.11	45	28780	11.83	ppbV	99
11) Bromoethene	5.23	106	27880	10.36	ppbV	100
12) Acetone	5.52	43	115217	10.25	ppbV	# 84
13) Trichlorofluoromethane	5.64	101	154711	9.46	ppbV	100
14) Isopropyl alcohol	5.80	45	149713	10.53	ppbV	100
15) Dichloroethylene,_1,1-	6.27	61	133467	9.83	ppbV	100
16) Butyl_Alcohol,_tert	6.38	59	54097	8.93	ppbV	100
17) Methylene_chloride	6.40	49	95191	9.37	ppbV	99
18) Chloropropene,_3-	6.52	76	10897	11.45	ppbV	100
19) Trichloro-1,2,2-trifluoroe	6.64	101	173506	9.84	ppbV	99
20) Carbon_disulfide	6.69	76	242019	9.89	ppbV	100
21) Dichloroethylene,_trans-1,	7.33	61	124275	10.15	ppbV	100
22) Dichloroethane, 1,1-	7.55	63	156714	9.40	ppbV	100
23) Methyl-t-butyl_ether	7.60	73	247687	9.70	ppbV	100
24) Vinyl acetate	7.60	43	54305	9.20	ppbV	# 99
25) Methyl_ethyl_ketone	7.97	43	168540	10.71	ppbV	100
26) Dichloroethylene,_cis-1,2-	8.42	61	117148	9.61	ppbV	100
27) Hexane	8.61	57	151004	9.40	ppbV	98
28) Ethyl acetate	8.64	61	28947	10.57	ppbV	100
29) Chloroform	8.73	83	167915	9.39	ppbV	100
31) Tetrahydrofuran	9.14	42	101603	9.14	ppbV	100
32) Dichloroethane,_1,2-	9.52	62	116510	9.07	ppbV	100
33) Trichloroethane,_1,1,1-	9.79	97	173916	8.80	ppbV	100
34) Benzene	10.30	78	301051	8.99	ppbV	100
35) Carbon_tetrachloride	10.45	117	150182	9.02	ppbV	100
36) Cyclohexane	10.59	56	147704	8.64	ppbV	99
37) Dichloropropane,_1,2-	11.22	63	100041	8.59	ppbV	100
38) Bromodichloromethane	11.44	83	205697	8.70	ppbV	99
39) Dioxane, 1,4-	11.48	88	72327	8.57	ppbV	98
40) Trichloroethylene	11.49	130	138899	7.68	ppbV	99
41) Trimethylpentane,_2,2,4-	11.51	57	196446	8.21	ppbV	100
42) Heptane	11.82	43	175365	8.44	ppbV	100
43) Dichloropropene,_cis-1,3-	12.50	75	169608	8.89	ppbV	100
44) Methyl_isobutyl_ketone	12.53	43	209802	9.45	ppbV	100
45) Dichloropropene,_trans-1,3	13.14	75	166261	9.39	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs02.D
Acq On : 15 Dec 06 17:10
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Runs with this Lab Control Spike	Data Files
BFB tune	1215bfb
Method Blank	1215blk
10 ppbv Laboratory Control Spike	1215lcs01
10 ppbv Daily Calibration	1215dcs
Sample 60695-01x1	121502
Sample 60695-02x25	121503
Sample 60695-06x1	121507

Quant Time: Dec 18 16:33:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration

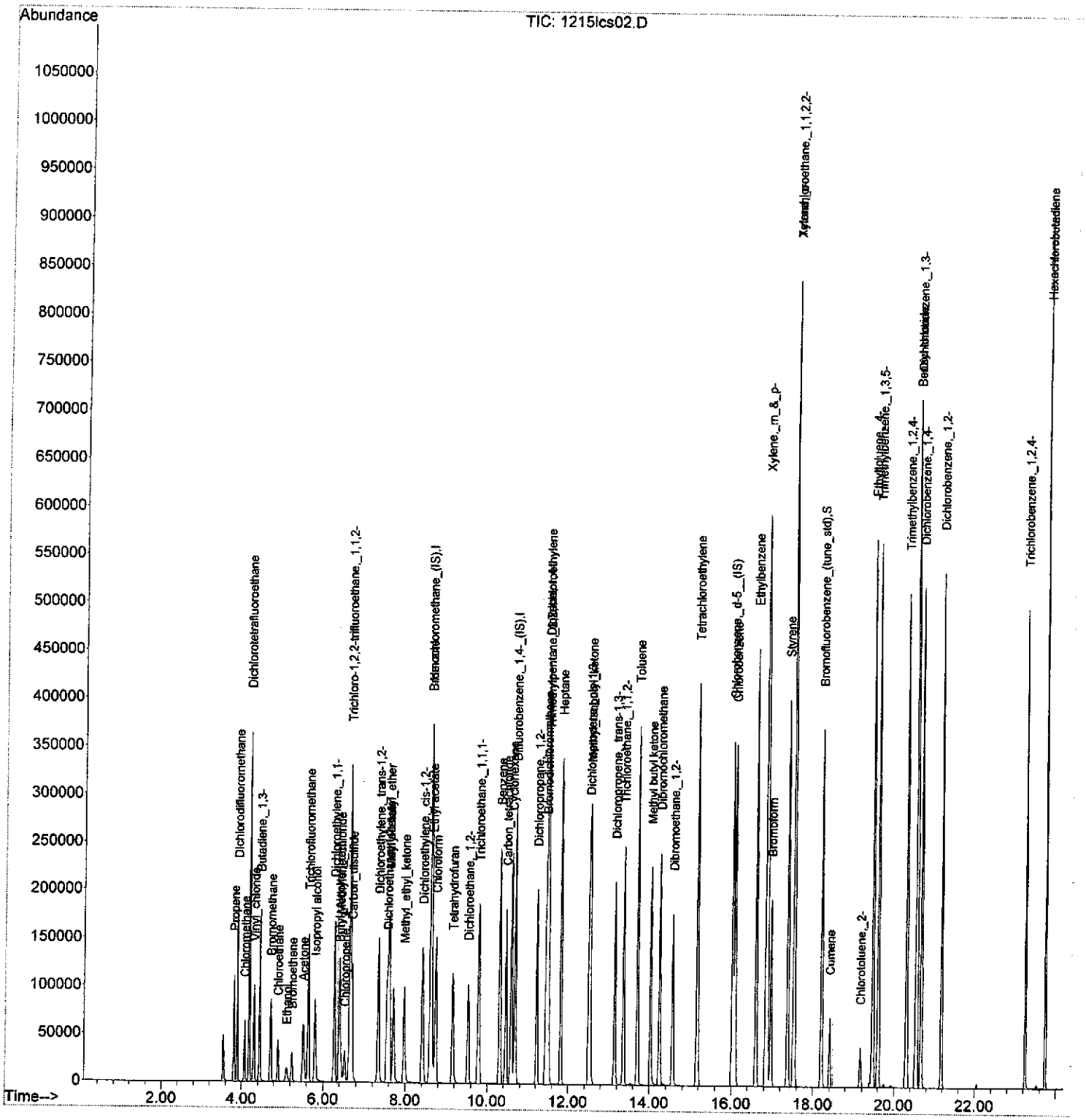
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Trichloroethane,_1,1,2-	13.35	97	111261	8.67 ppbV	100
48) Toluene	13.70	91	374198	8.39 ppbV	100
49) Methyl butyl ketone	14.02	43	195198	10.01 ppbV	100
50) Dibromochloromethane	14.24	129	180818	8.61 ppbV	100
51) Dibromoethane,_1,2-	14.56	107	173702	8.48 ppbV	100
52) Tetrachloroethylene	15.16	166	176080	7.89 ppbV	99
53) Chlorobenzene	16.08	112	285230	8.75 ppbV	99
54) Ethylbenzene	16.59	91	462662	9.14 ppbV	99
55) Xylene,_m_&_p-	16.86	91	776782	9.12 ppbV	99
56) Bromoform	16.97	93	38540	8.39 ppbV	100
57) Styrene	17.37	104	287470	8.77 ppbV	100
58) Tetrachloroethane,_1,1,2,2	17.52	83	292733	8.50 ppbV	100
59) Xylene,_o-	17.53	91	406741	8.56 ppbV	99
61) Cumene	18.41	105	69097	8.48 ppbV	100
62) Chlorotoluene,_2-	19.16	91	35136	9.29 ppbV	100
63) Ethyltoluene,_4-	19.47	105	509328	9.16 ppbV	99
64) Trimethylbenzene,_1,3,5-	19.60	105	435535	8.74 ppbV	99
65) Trimethylbenzene,_1,2,4-	20.30	105	414276	8.73 ppbV	99
66) Benzyl chloride	20.53	91	404021	9.21 ppbV	100
67) Dichlorobenzene,_1,3-	20.55	146	293811	7.67 ppbV	100
68) Dichlorobenzene,_1,4-	20.67	146	277139	7.83 ppbV	100
69) Dichlorobenzene,_1,2-	21.17	146	251207	7.85 ppbV	100
70) Trichlorobenzene,_1,2,4-	23.25	180	132220	7.47 ppbV	100
71) Hexachlorobutadiene	23.74	190	61932	7.25 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 1215lcs02.D
Acq On : 15 Dec 06 17:10
Operator : .
Sample : 10 ppbv LCS.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 16:33:36 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1208.M
Quant Title : TO-15
QLast Update : Fri Dec 15 14:48:53 2006
Response via : Initial Calibration



PAL1208.M Mon Dec 18 16:34:05 2006 S1

EPA METHOD TO-15

YEAR	FILE #		CLIENT / SAMPLE ID / CAN #	OPEN	COMMENTS: Sample vol cc	Dilution
06	1017	11	CAN cleaning / CAN # 2847	1/	500	
		12	" / " 1405		200	
		13	" / " 1066		200	
		14	" / " 3034		500	
		15	" / " 1402		200	
		16	" / " 1399		200	
		17	" / " 3039		500	
		18	" / " 1407		200	
		29	" / " 1073		200	
		20	" / " 3130		500	
	1018	BFB	BFB	1/	140	
		DCS	10 ppbv DCS		125	-
		LCS_{01}	10 ppbv LCS / 2954		125	
		LCS_{02}	10 ppbv LCS / 2954		125	
		BLK	Method Blank		500	
		01	[redacted] / 60546-01 / BAG → 2051		50	X 100
		02	" " "		20	X 250
		03	" " "		500	
		04	INST Blank		500	
		05	[redacted] / 60547-01 / 2063		20	X 25
		06	" " "		500	
	1020	BFB	BFB	1/	140	
		DCS	10 ppbv DCS		125	FAILED
		STD_{01}	40 ppbv STD		500	Refer to
		STD_{02}	30 ppbv STD		375	SPreadsheet
		STD_{03}	20 ppbv STD		250	From
		STD_{04}	10 ppbv STD		125	10-20-06
		STD_{05}	0.5 ppbv STD		6	
	1023	BFB	BFB	1/	140	
		DCS	10 ppbv DCS		125	
		LCS_{01}	10 ppbv LCS / 2954		125	

EPA METHOD TO-15

YEAR	FILE #	CLIENT/SAMPLE ID/CAN #	COMMENTS: SAM VOL	CC DILUTION
00	1030	DCS 10 ppbv DCS	1L	125
		LCS_{01} 10 ppbv LCS / 2954		125
		LCS_{02} 10 ppbv LCS / 2954		125
		BLK METHOD BLANK		500
		01 CAN CLEANING / CAN # 1068		500
		02 " / " 1410		
		03 " / " 9375B		
		04 " / " 2065		
		05 " / " 2668		
		06 " / " 2031		
		07 " / " 2164		
		08 " / " 3129		
		09 " / " 2071		
		10 " / " 3005		
		11 " / " 2634		
		12 " / " 2894		
		13 " / " 1409		
		14 " / " 3025		
		15 " / " 2896		
		16 " / " 3031		
		17 " / " 1071		
	1031	BFB BFB	1L	140
		DCS 10 ppbv DCS		125
		LCS_{01} 10 ppbv LCS / 2954		125
		LCS_{02} 10 ppbv LCS / 2954		125
		BLK METHOD BLANK		500
		01 [redacted] / 60581-01 / 3130		500
		02 [redacted] / 60581-02 / 3039		500
		03 CAN CLEANING / CAN # 3037		500
		04 " / " 00		500
		05 " / " 1070		500

EPA METHOD TO-15

YEAR	FILE #	CLIENT / SAMPLE ID / CAN #	OPEN	COMMENTS: SAM Vol cc	DILUTION
06	1031	06 CAN cleaning / CAN # 2159	↓	500	
		07 " / " 2094			
		08 " / " 2932			
		09 " / " 3003			
		10 " / " 2162			Dil not low
		11 Room Air #	↓		
	1101	BFB BFB	↓	140	
		DCS 10 ppbv DCS		125	
		LCS01 10 ppbv LCS / 2959		125	
		LCS02 10 ppbv LCS / 2954		125	
		BLK Method Blank		500	
		01 [redacted] / 60587-01 / 2156		20	X 25
		02 " " "		500	
		03 " / 60587-02 / 2847		20	X 25
		04 " " "		500	
		05 " / 60587-03 / 2069		20	X 25
		06 " " "		500	
		07 " / 60587-04 / 3054		20	X 25
		08 " " "	↓	500	
	1102	BFB BFB	↓	140	
		DCS 10 ppbv DCS		175	FAILED
		STD01 0.5 ppb STD		6	LO INT
		STD02 10 ppb STD		125	
		STD03 20 ppb STD		250	
		STD04 30 ppb STD		375	
		STD05 40 ppb STD		500	LO INT
		STD01_4720 0.5 ppb STD		6	
		STD05_3113 40 ppb STD		500	
	1106	BFB BFB	↓	140	
		DCS 10 ppbv DCS		25	
			↓		

EPA METHOD TO-15

YEAR	FILE	CLIENT / SAMPLE ID / CAN #	OPEN	COMMENTS Sam Vol cc	Dilution	
06	1107	BFB01 BFB	9:46	140		
		DCS 10 ppbv DCS		125		
		LCS01 10 ppbv LCS / 2937		125	Made	11/2/06
		LCS02 10 ppbv LCS / 2937		125	Made	11/2/06
		BLK METHOD Blank		500		
		01 [redacted] / 60598-01 / 9318B		20	x	25
		02 " " "		500		
		03 " / 60598-02 / 2160		20	x	25
		04 " " "		500		
		05 [redacted] / 60591-01 / 1401		20	x	25
		06 " " "		300		
		07 [redacted] / 60603-01 / 9483B		500		
		08 " / 60603-02 / 3030		500		
		09 " / 60603-03 / 3132		500		
		10 " / 60603-04 / 2063		500		
		11 INST BLANK		500		
		12 CAN cleaning / CAN # 3025		500		
		13 " / " 1406		200		
		14 " / " 1074		200		
		15 " / " 2158		500		
		16 " / " 3126		500		
		17 " / " 1404		200		
		18 " / " 2072		500		
		19 " / " 3044		500		
		20 " / " 2162		500		
		21 " / " 3038		500		
	1108	BFB BFB		140		
		DCS 10 ppbv DCS		125		
		LCS0 10 ppbv LCS / 2937		125	Made	11/2/06
		LCS02 10 ppbv LCS / 2937		125	Made	11/2/06
		BLK METHOD BLANK		500		

EPA METHOD TO-15

YEAR	FILE#	CLIENT / SAMPLE ID / CAN #	OPER	COMMENTS: CAN VOL cc	DILUTION
06	1108 01	[redacted] / 60508-02 / 2160		250	X 2
	02	[redacted] / 60607-01 / 1399		20	X 25
	03	" " "		300	
	04	INST BLANK		500	
	05	[redacted] / 60607-02 / 1402		[redacted] 10	X [redacted] 50
	06			300	
	07	INST BLANK		500	
	08	[redacted] / 60607-03 / 1407		10	X 50
	09	" " "		300	
	10	INST BLANK		500	
	11	[redacted] / 60589-01 / 2163 → 3049		50	X 1000
	12	" " "		500	X 100
	13	" / 60589-02 / 3022 → 2158		50	X 1000
	14	" " "		500	X 100
	15	INST BLANK		500	
	16	CAN CLEANING / CAN # 3045		500	
	17	" / " 3061			
	18	" / " 2157			
	19	" / " 2037			
	20	" / " 9376B			
	21	" / " 3004			
	22	" / " 2946			
	23	" / " 9379B			
	24	" / " 2954			
	25	" / " 3038			
	26	" / " 2854			
	1109 BFB	BFB		140	
	DCS	10 ppbv DCS		125	
	LCS 01	10 ppbv LCS / 2937		125	made 11/2/06
	LCS 02	10 ppbv LCS / 2937		125	made 11/2/06
	BLK	METHOD BLANK		500	

EPA METHOD TO-15

DAY	FILE #	CLIENT/SAMPLE ID/CAN #	OPER	COMMENTS
06	1122 18	CAN CLEANING / CAN # 2095 B		500
	1127 BFB	BFB		140
	DCS	10 ppbv DCS		125 FAILED
	STD01	0.5 ppbv STD		6
	STD02	10 ppbv STD		125 FAILED RUN
	STD02_3628	10 ppbv STD		125
	STD03	20 ppbv STD		250
	STD04	30 ppbv STD		375
	STD05	40 ppbv STD		500
	1128 BFB	BFB		140
	DCS	10 ppbv DCS		125
	LCS01	10 ppbv LCS		125
	LCS02	10 ppbv LCS		125
	BLK	METHOD BLANK		500
	01 [redacted]	/ 60623-01 / 9376B		50 X 10
	02 "	/ 60623-02 / 2037		100 X 5
	03 [redacted]	/ 60644-01 / 3049		20 X 25
	04 [redacted]	/ 60644-01 / 7049		500
	05 [redacted]	/ 60614-01 / 1069 → 1405		20 X 1000
	06 "	" "		500 X 100
	07 "	/ 60614-03 / 1403 → 1066		20 X 1000
	08 "	" "		200 X 100
	09 "	/ 60614-04 / 1411 → 1408		20 X 1000
	10 "	" "		200 X 100
	11 "	/ 60614-05 / 1410 → 1400		20 X 1000
	12 "	" "		200 X 100
	13 "	/ 60614-08 / 1072 → 3054		50 X 1000
	14 "	" "		500 X 100
	15	INST BLANK		500
	16 CAN CLEANING	/ CAN # 3130		500
	17 "	/ " 3005		500

EPA METHOD TO-15

YEAR	FILE #	CLIENT / SAMPLE ID / CAN #	OPER.	COMMENTS: SAM. VOL. cc / DILUTION
06	1205 02	CAN cleaning / CAN # 1368	gp	300
	03	" / " 1362		300
	04	" / " 1400		300
	05	" / " 1409		300
	06	" / " 1410		300
	07	" / " 3022		500
	08	" / " 2665		500
	09	[redacted] / 60637-01 / 3031		20 X 25
	10	" " "		500
	11	" / 60637-02 / 2156		20 X 25
	12	" " "		500
	13	" / 60637-03 / 2847		20 X 25
	14	" " "		500
	15	" / 60637-04 / 2932		20 X 25
	16	" " "		500
	17	" / 60637-05 / 2163		20 X 25
	18	" " "		500
	19	" / 60637-06 / 001		20 X 25
	20	" " "		500
	21	" / 60637-07 / 2937		20 X 25
	22	" " "		500
	23	[redacted] / 60615-01 / 2850		20 X 25
	24	" " "	↓	500
1206	BFB	BFB	gp	140 FAILED
	BFB_5147	BFB		140
	DCS	10 ppbv DCS		125 FAILED
	DCS_1240	10 ppbv DCS		125
	LCS01	10 ppbv LCS		125
	LCS02	10 ppbv LCS		125
	BLK	METHOD BLANK		500
	01	[redacted] / 60615-01 / 2850	↓	50 X 10

EPA METHOD TO-15

YEAR	File #		CLIENT / SAMPLE ID / CAN #	OPEN.	COMMENTS: SAM. VOL. cc / DILUTION
06	1206	02	CAN cleaning / CAN # 3054	9:45	500
		03	" / " 2038		
		04	" / " 3025		
		05	" / " 7034		
		06	" / " 1410		300
		07	" / " 2946		500
		08	" / " 2954		
		09	" / " 93798		
		10	" / " 3125		
		11	" / " 3015		
		12	" / " 2037		
		13	" / " 3038		
	1207	BFB	BFB	11:41	140
		DCS	10 ppbv DCS		125
		LCS01	10 ppbv LCS		125
		LCS02	10 ppbv LCS		125
		BLK	METHOD BLANK		500
		01	[redacted] / 60622-04 / 2031		500
		02	" / 60622-10 / 2093		500
		03	" / 60622-04 / 2031		50 X 10
		04	" / 60622-10 / 2093		50 X 10
		05	" / 60622-06 / 93758 → 3023		50 X 1000
		06	" " "		500 X 100
		07	" / 60622-14 / 2029 → 2095		50 X 1000
		08	" " "		500 X 100
		09	" / 60622-15 / 3036 → 3037		50 X 1000
		10	" " "		500 X 100
		11	INST BLANK		500
		12	CAN cleaning / CAN # 2164		500
		13	" / " 1406		300
		14	" / " 1402		300

YEAR	File #
06	12
	120
	1211

EPA METHOD TO-15

Year	File #		CLIENT / SAMPLE ID / CAN #	Orig.	COMMENTS: SAM. VOL. cc / DILUTION
06	1207	15	CAN CLEANING / CAN # 2855	✓	500
		16	" / " 2039		500
		17	" / " 2937		500
		18	" / " 2040		500
		19	" / " 2932		500
		20	" / " 1074		300
	1208	BFB	BFB	✓	140
		DCS	10 ppbv DCS		125
		STD01	0.5 ppbv STD		6
		STD02	1.0 ppbv STD		125
		STD03	20 ppbv STD		250
		STD04	30 ppbv STD		375
		STD05	40 ppbv STD		500
	1211	BFB	BFB	✓	140
		DCS	10 ppbv DCS		125
		LCS01	10 ppbv LCS		125
		LCS02	10 ppbv LCS		125
		BLK	METHOD BLANK		500
		01	CAN CLEANING / CAN # 001		500
		02	" / C1 2847		500
		03	" / " 3015		
		04	" / " 2163		
		05	" / " 2156		
		06	" / " 3126		
		07	" / " 2854		
		08	" / " 9376B		
		09	" / " 1074		300
		10	" / " 3025		500
		11	" / " 9378B		
		12	" / " 2031		
		13	[redacted] / 60672-01 / 3129		500

FAILED

EPA METHOD TO-15

ITION	Year	File #	CLIENT / SAMPLE ID / CAN #	OPEN	COMMENTS: SAM. VOL. cc	COMMENTS: DILUTION
	06	1213 01	[redacted] / 60675-01 / BAG	✓	50	FAILED X 10
50		02	" " "		500	
		03	" / 60675-02 / BAG		50	X 10
		04	" " "		500	
iled		05	" / 60675-03 / BAG		50	X 10
		06	" " "		500	
		07	" / 60675-04 / BAG		20	X 25
		08	" " "		500	
ed		09	" / 60675-05 / BAG		50	X 10
ed		10	" " "		500	
ed		11	" / 60675-06 / BAG		50	X 10
0000		12	" " "		500	
6000		13	[redacted] / 60677-04 / 1400	✓	500	
		1214 BFB	BFB	✓	140	
000		DCS	10 ppbv DCS		125	
00		LCS01	10 ppbv LCS		125	
25		LCS02	10 ppbv LCS		125	
		BLK	METHOD BLANK		500	FAILED
25		BLK 4343	METHOD BLANK		500	FAILED
		01	[redacted] / 60675-01 / BAG		50	X 10
000		02	ESPL / 60695-01 / 3061		500	
00		03	[redacted] " / 60695-02 / 3003		500	
000		04	" / 60695-03 / 2157		500	
000		05	[redacted] " / 60695-04 / 3044		500	
000		06	" / 60695-05 / 3045		500	
00		07	" / 60695-06 / 3054		500	
		08	~~[redacted] / 60677-01 / 1369~~		~~200~~	
		09	" / 60677-04 / 1458 (1369)		200	
		10	[redacted] " / 60677-02 / 1458		200	
		11	" / 60677-03 / 1077		200	[redacted]
		12	" / 60677-05 / 1072		200	X 25

EPA METHOD TO-15

YEAR	FILE #	CLIENT / SAMPLE ID / CAN #	OPER	COMMENTS: SAM. VOL. cc	COMMENTS: DILUTION	YEAR	#
06	1214 B3	[redacted] / 60677-05 / ~~1363~~ 1072	JL	200		06	1.
	14	" / 60677-06 / 1363		200			
	15	" / 60677-07 / 1070		200			
	16	" / 60677-08 / 1368		200			12
	17	[redacted] / 60675-04 / BAG		50	X 10000		
	18	" " "		500	X 100		
	19	[redacted] / 60693-01 / BAG		50	X 10000		
	20	" " "	↓	500	X 1000		
	1215 BFB	BFB	JL	140			
	DCS	10 ppbv DCS		125			
	LCS01	10 ppbv LCS		125			
	LCS02	10 ppbv LCS		125			
	BLK	METHOD BLANK		500			
	~~01~~						
	02	ESPL / 60695-01 / 3061		500			
	03	ESPL / 60695-02 / 3003		20	X 25		
	~~04~~						
	~~05~~						
	~~06~~						
	07	ESPL / 60695-06 / 3045		500			
	~~08~~						
	09	[redacted] / 60677-01 / 1369		5	X 100		
	10	" / 60677-02 / 1458		5	X 100		
	11	" / 60677-03 / 1071		5	X 100		
	12	" / 60677-05 / 1072		50	X 10000		
	13	" " "		500	X 1000		
	14	" / 60677-06 / 1363		50	X 10000		
	15	" " "		500	X 1000		
	16	" / 60677-08 / 1368		200			
	17	[redacted] / 60693-01 / BAG		20	X 25000		
	~~18~~						

60695

Princeton Analytical
Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 0882?
WBE
(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Att: Ray Kahn

Request For Canister Analysis

Company Name: ESPL | Address: 106W 32nd Street NY NY 1000
Project #: 26100 | Site:
Sampled By: AH

Due Date
☐ Standard Turn-Around Time
☑ Rush* – Date: 12/15 Time: 11:00A
*Advance Notification Required. See Fee Schedule for Surcharges
24hr. Rush

Outgoing (PAL) Canister Seal Intact? ☑ Yes ☐ No
Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)
☐ Library Search ☐ New Jersey DEP Data Package
☑ New York DOH/DEC Data Package

☐ Fax Results To Fax # ☐ Phone Results To Phone #

Atmospheric Pressure: Temperature:
*Note: Atm Press and Temp required by some state agencies incl. NJDEP.

Return Pressure reading

	Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please Y One Box)	
1	AQ 1	3061	131421 7281496	6L	3:59 12/12/06	1:44 12/13/06	30	6	☐ Soil Gas ☑ Indoor ☐ Land Fill ☐ Ambient	6
2	AQ 2	3003	138210 7301041	6L	4:01 12/12/06	1:43 12/13/06	30	5	☐ Soil Gas ☑ Indoor ☐ Land Fill ☐ Ambient	6
3	AQ 3	2157	138799 7289052	6L	4:07 12/12/06	2:50 12/13/06	30	7	☐ Soil Gas ☑ Indoor ☐ Land Fill ☐ Ambient	6
4	AQ 4	3044	134052 7282379	6L	4:27 12/12/06	1:53 12/13/06	30	5	☐ Soil Gas ☑ Indoor ☐ Land Fill ☐ Ambient	5
5	AQ-BG	3045	143064 7310562	6L	4:32 12/12/06	2:01 12/13/06	30	5	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient	4
6	AQ-5	3054		6L	4:35 12/12/06	5:35 12/13/06	30	4	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient	4

Chain of Custody	Print	Signature	Date & Time
Relinquished By:			
Received By Lab:			12/14/06 9:00

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below **PO Number:** 26100

Send Invoice To:

60695

PAL USE ONLY PAL #:

Internal COC	Signature	Time/Date	Incoming Custody Seals? ☑ Yes ☐ No
Relinquished By:			Comments:
Rec. By-GC/MS Lab:			

Example Calculation (EPA TO-15m)

$$\frac{\text{Area of Sample}}{\text{Area of Internal Standard}} \times \frac{\text{Concentration of Internal Standard (10 ppbV)}}{\text{Response Factor}} = \text{Concentration of Sample (ppbV)}$$

Sample 60695-01

Clean Can Certification

Summa ID	3061

Acquisition Date:	11/09/06 01:18:44	Data File:	110817
Operator:	jls		

Injection Volume (cc):	500.00
Low Mass (m/z):	35.00
High Mass (m/z):	300.00

Instrument Method:	C:\Xcalibur\methods\TO_15.meth
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_0906full
Calibration File:	C:\Xcalibur\data\2006\Sept06\0906
GC/MS:	Finnigan TraceGC ultra/Trace DSQ

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110817.D
Acq On : 09 Nov 2006 01:18
Operator : .
Sample : 3061.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:10:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

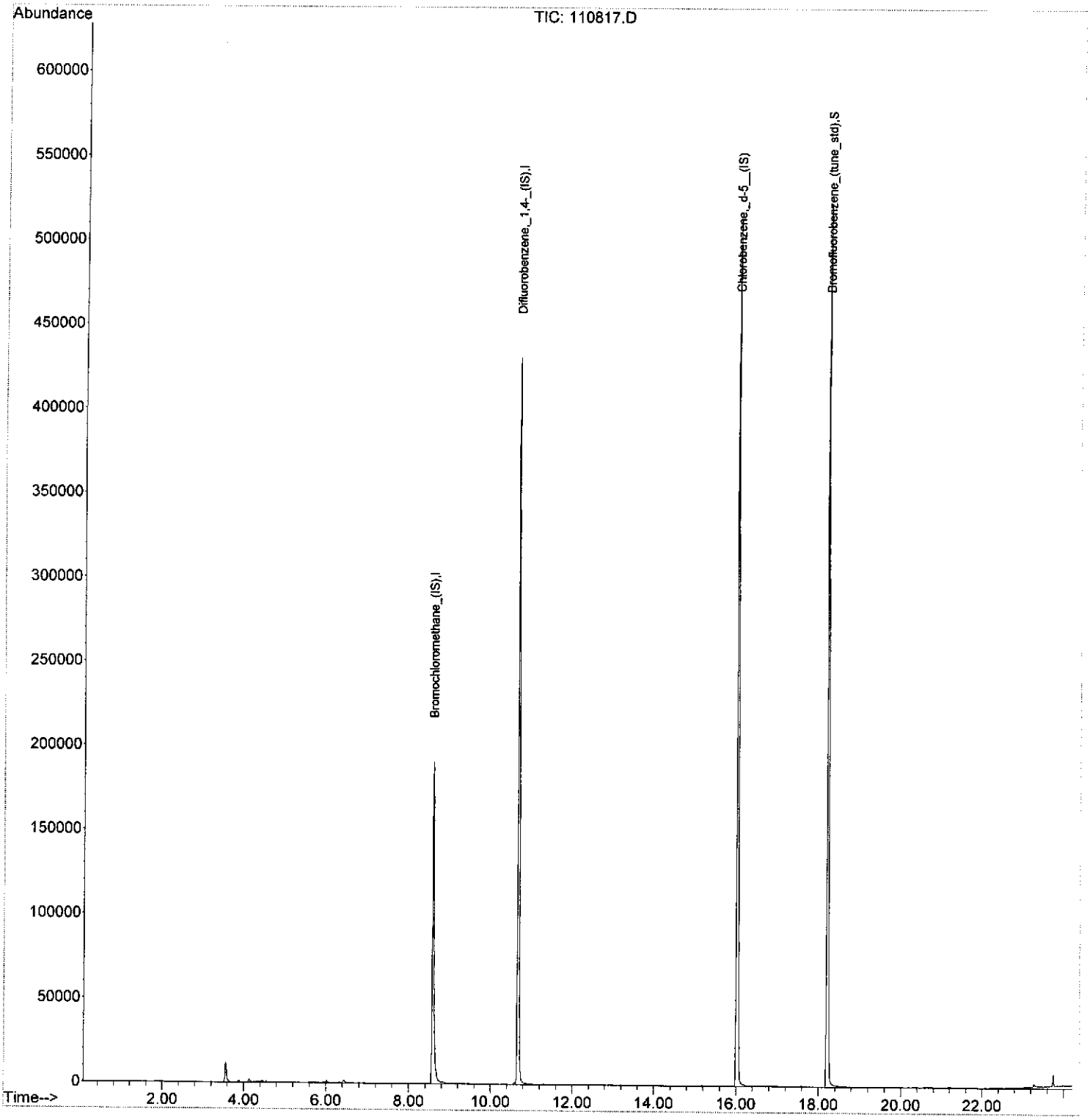
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	92475	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.67	114	459318	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.02	117	417077	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	291402	10.47	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110817.D
Acq On : 09 Nov 2006 01:18
Operator : .
Sample : 3061.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:10:39 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



Sample 60695-02

Clean Can Certification

Summa ID	3003

Acquisition Date:	10/31/06 21:20:14	Data File:	103109
Operator:	jls		

Injection Volume (cc):	500.00
Low Mass (m/z):	35.00
High Mass (m/z):	300.00

Instrument Method:	C:\Xcalibur\methods\TO_15.meth
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_1020full
Calibration File:	C:\Xcalibur\data\2006\Oct06\1020
GC/MS:	Finnigan TraceGC ultra/Trace DSQ

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 103109.D
Acq On : 31 Oct 06 21:20
Operator : .
Sample : 3003.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:28:18 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration

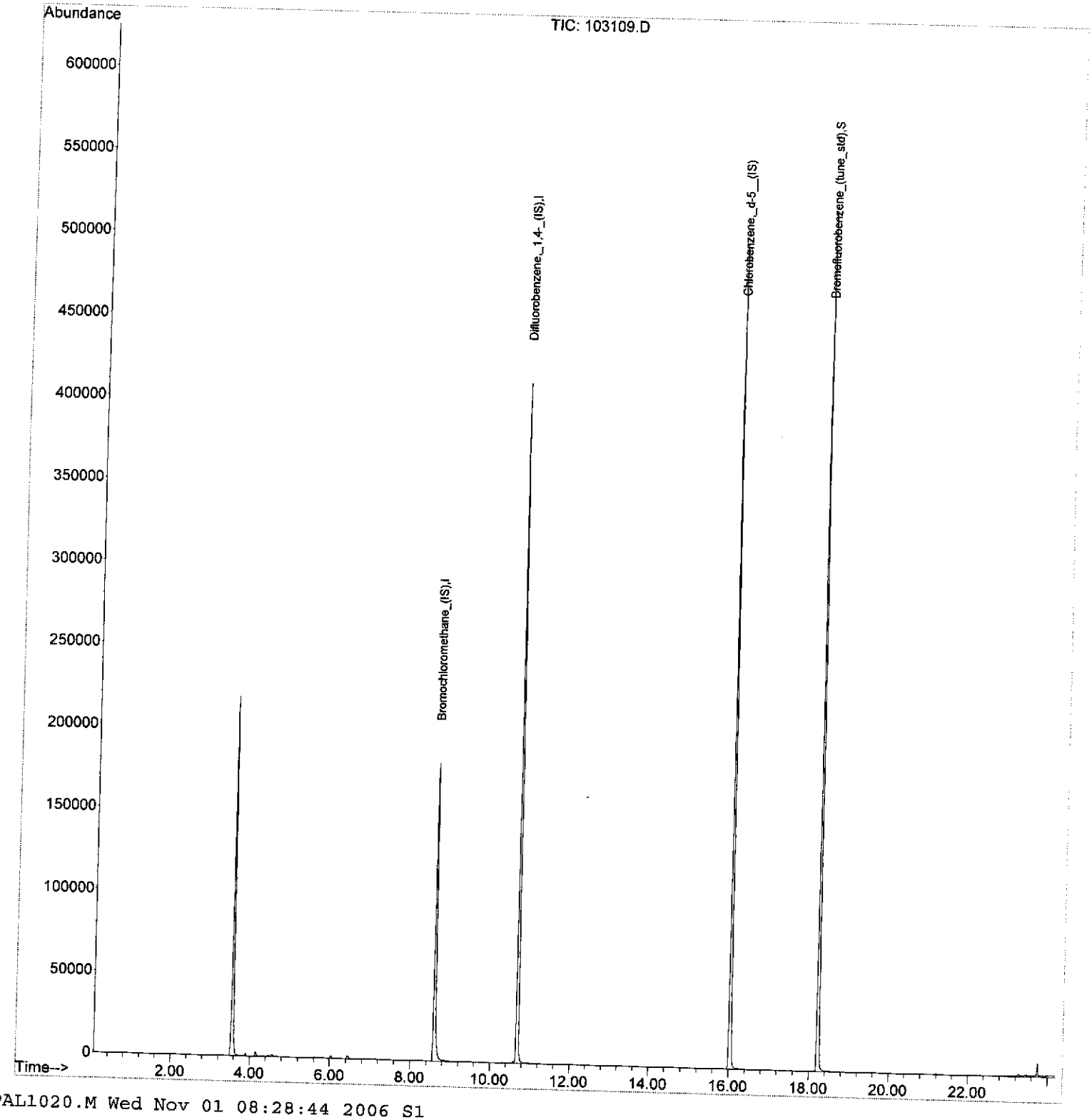
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	81787	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	417885	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	382644	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.22	95	287193	10.65	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 106.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Oct06\
Data File : 103109.D
Acq On : 31 Oct 06 21:20
Operator : .
Sample : 3003.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:28:18 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1020.M
Quant Title : TO-15
QLast Update : Mon Oct 23 09:45:27 2006
Response via : Initial Calibration



PAL1020.M Wed Nov 01 08:28:44 2006 S1

Sample 60695-03

Clean Can Certification

Summa ID	2157		
Acquisition Date:	11/09/06 02:03:40	Data File:	110818
Operator:	jls		
Injection Volume (cc):	500.00		
Low Mass (m/z):	35.00		
High Mass (m/z):	300.00		
Instrument Method:	C:\Xcalibur\methods\TO_15.meth		
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_0906full		
Calibration File:	C:\Xcalibur\data\2006\Sept06\0906		
GC/MS:	Finnigan TraceGC ultra/Trace DSQ		

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110818.D
Acq On : 09 Nov 2006 02:03
Operator : .
Sample : 2157.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:14:06 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

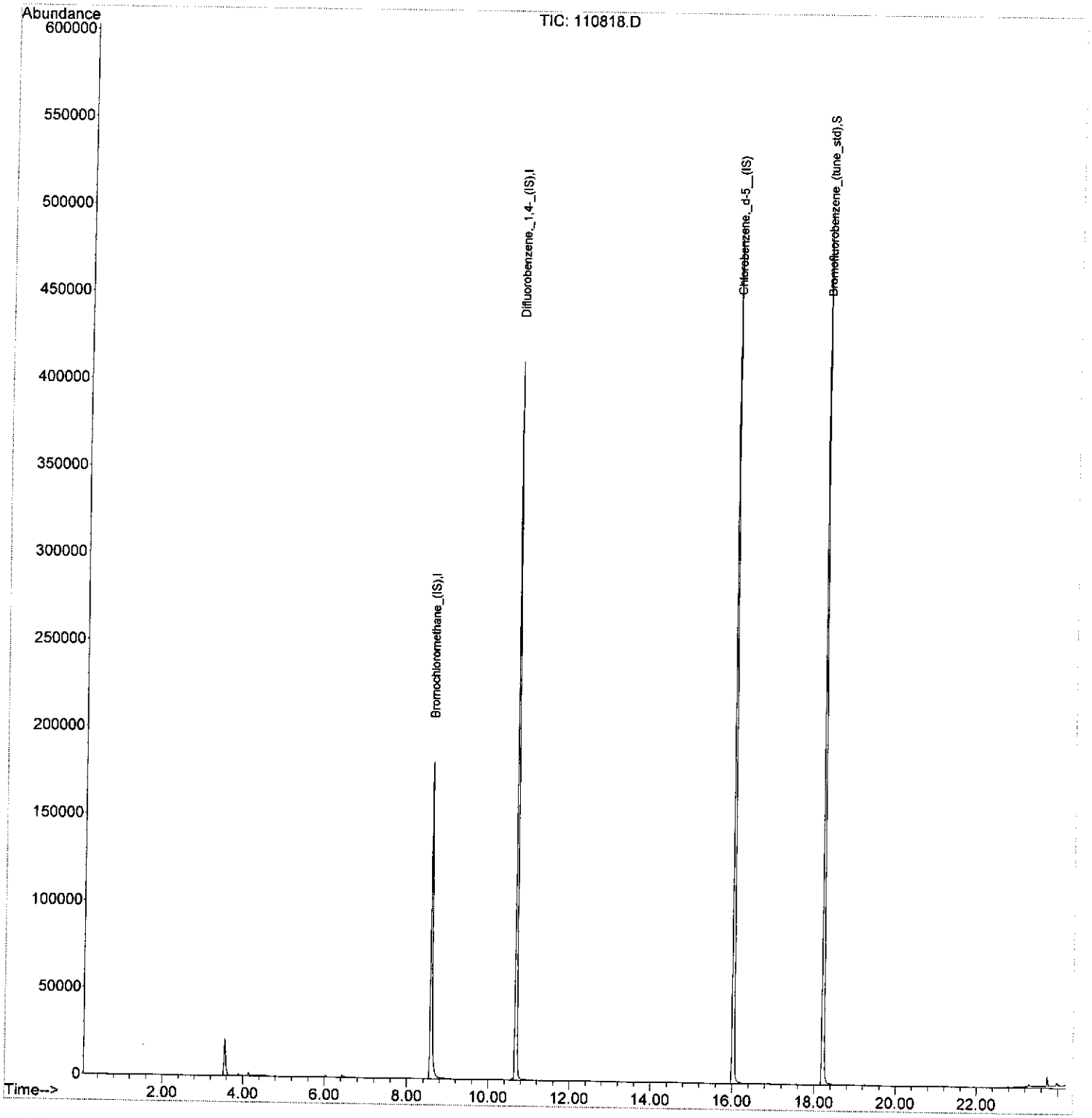
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	87509	10.00	ppbV	-0.04
30) Difluorobenzene,_1,4-_(IS)	10.67	114	437704	10.00	ppbV	-0.03
47) Chlorobenzene,_d-5__(IS)	16.02	117	404488	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	279231	10.35	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 103.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110818.D
Acq On : 09 Nov 2006 02:03
Operator : .
Sample : 2157.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:14:06 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



Sample 60695-04

Clean Can Certification

Summa ID	3044

Acquisition Date:	11/08/06 01:17:19	Data File:	110719
Operator:	jls		

Injection Volume (cc):	500.00
Low Mass (m/z):	35.00
High Mass (m/z):	300.00

Instrument Method:	C:\Xcalibur\methods\TO_15.meth
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_1020full
Calibration File:	C:\Xcalibur\data\2006\Oct06\1020
GC/MS:	Finnigan TraceGC ultra/Trace DSQ

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110719.D
Acq On : 08 Nov 2006 01:17
Operator : .
Sample : 3044.
Misc : .
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 11:01:21 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

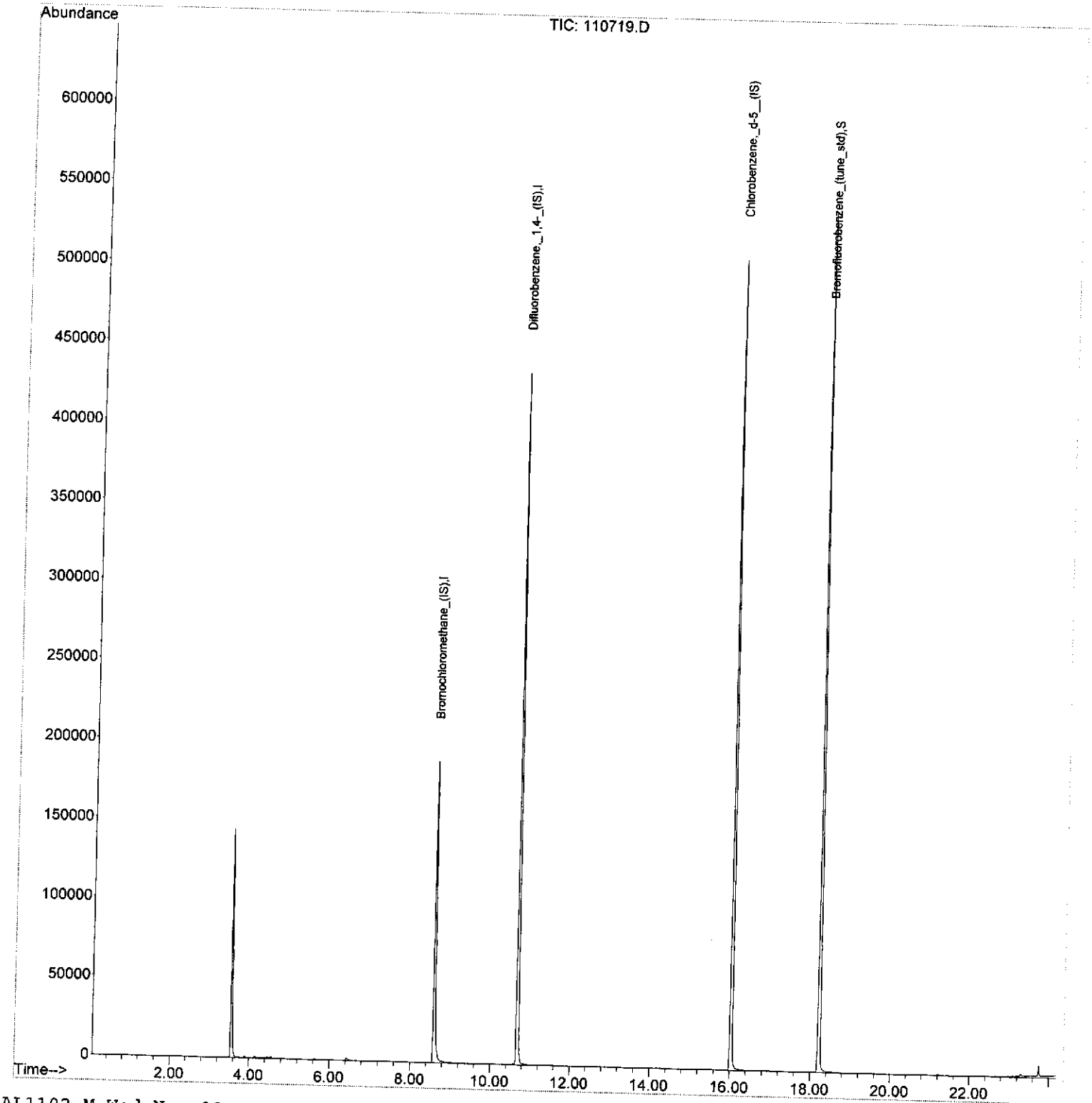
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	89715	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	454736	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.03	117	408297	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	294216	10.80	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 108.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110719.D
Acq On : 08 Nov 2006 01:17
Operator : .
Sample : 3044.
Misc : .
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 11:01:21 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Wed Nov 08 11:01:42 2006 S1

Sample 60695-05

Clean Can Certification

Summa ID	3045

Acquisition Date:	11/09/06 00:34:01	Data File:	110816
Operator:	jls		

Injection Volume (cc):	500.00
Low Mass (m/z):	35.00
High Mass (m/z):	300.00

Instrument Method:	C:\Xcalibur\methods\TO_15.meth
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_0906full
Calibration File:	C:\Xcalibur\data\2006\Sept06\0906
GC/MS:	Finnigan TraceGC ultra/Trace DSQ

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110816.D
Acq On : 09 Nov 2006 00:34
Operator : .
Sample : 3045.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:04:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration

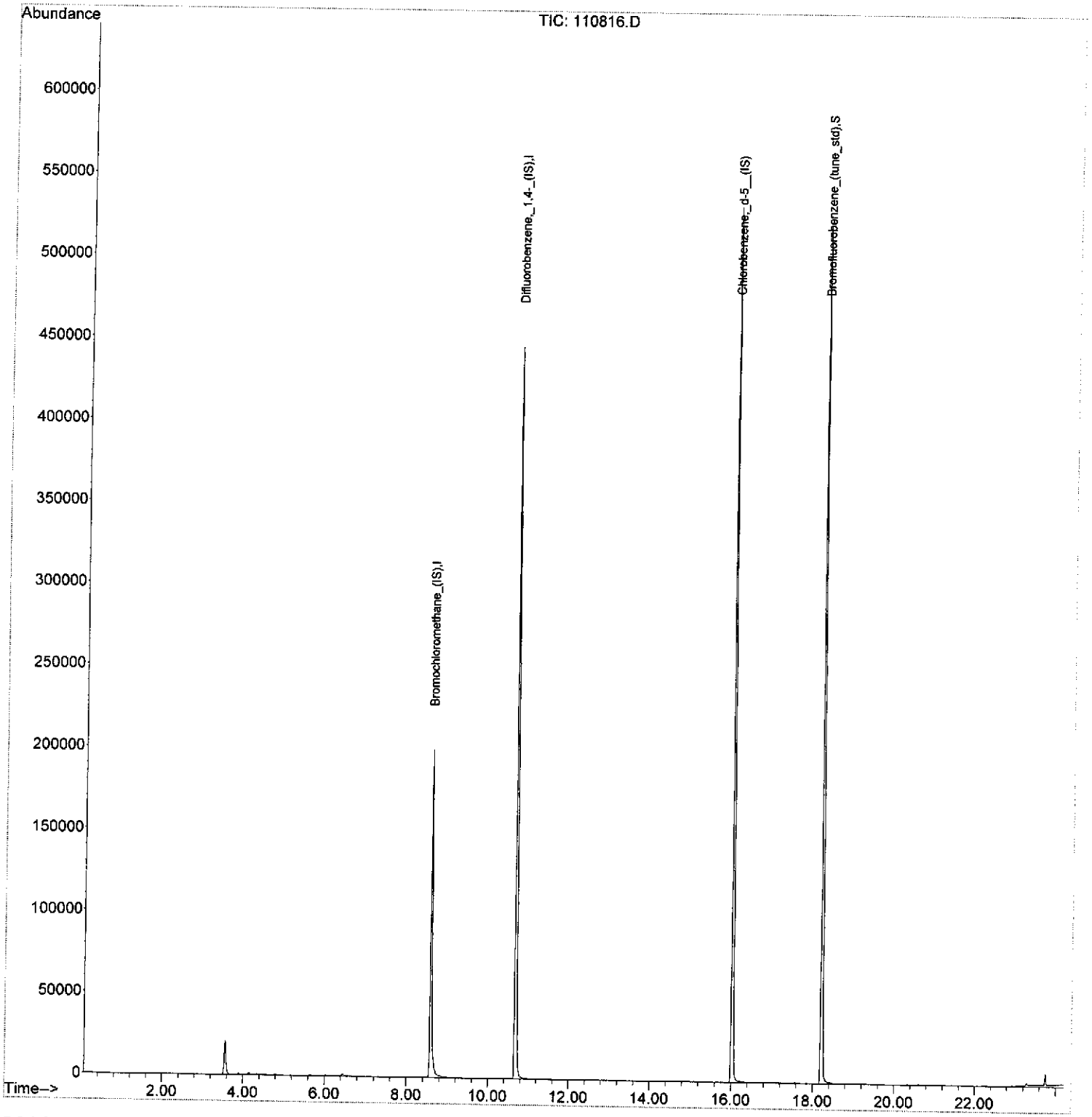
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.59	130	97392	10.00	ppbV	-0.03
30) Difluorobenzene,_1,4-_(IS)	10.68	114	489086	10.00	ppbV	-0.02
47) Chlorobenzene,_d-5__(IS)	16.02	117	439194	10.00	ppbV	-0.01
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	297653	10.16	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Nov06\
Data File : 110816.D
Acq On : 09 Nov 2006 00:34
Operator : .
Sample : 3045.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 08:04:50 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1102.M
Quant Title : TO-15
QLast Update : Tue Nov 07 09:50:42 2006
Response via : Initial Calibration



PAL1102.M Thu Nov 09 08:10:25 2006 S1

sample 60695-06

Clean Can Certification

Summa ID	3054	Certificate for batch	#12050601
		including can #'s	3054
			1410
Data File:	120602		
Acquisition Date:	12/06/06 18:36:34		
Operator:	jls		
Instrument Method:	C:\Xcalibur\methods\TO_15.meth		
Processing Method:	C:\Xcalibur\methods\TO-15,0.5-40ppb_1127full		
Calibration File:	C:\Xcalibur\data\2006\Nov06\1127		
GC/MS:	Finnigan TraceGC ultra/Trace DSQ		

This canister has been certified clean, all compounds are below 0.2 ppbv.

Certified by:

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 120602.D
Acq On : 06 Dec 06 18:36
Operator : .
Sample : 3054.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 10:57:10 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration

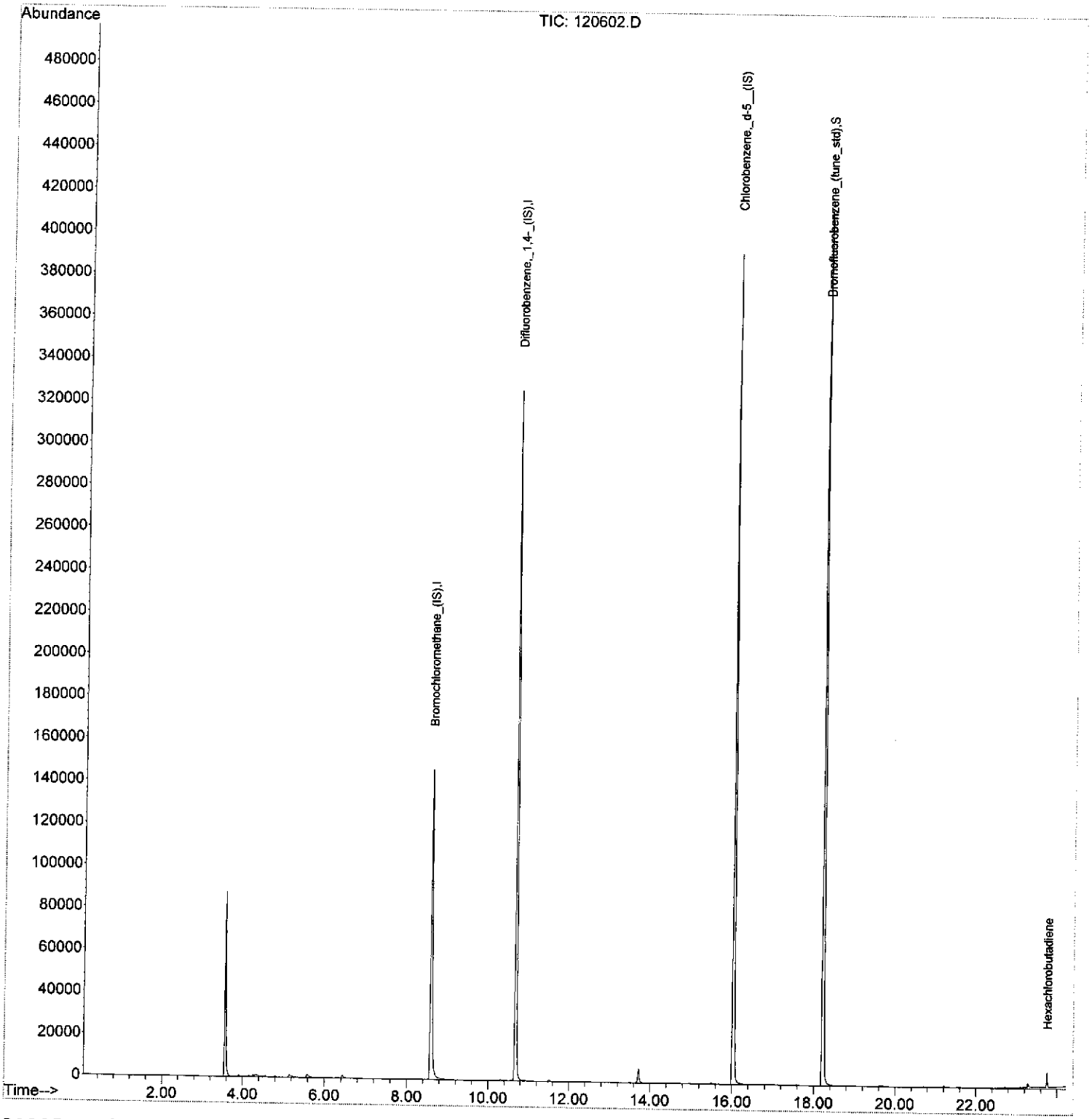
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane_(IS)	8.58	130	71778	10.00	ppbV	-0.02
30) Difluorobenzene,_1,4-_(IS)	10.68	114	359193	10.00	ppbV	0.00
47) Chlorobenzene,_d-5__(IS)	16.03	117	325163	10.00	ppbV	0.00
System Monitoring Compounds						
60) Bromofluorobenzene_(tune_s	18.21	95	233781	9.85	ppbV	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 98.50%			
Target Compounds						Qvalue
71) Hexachlorobutadiene	23.75	TIC	5764	0.37	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\Dec06\
Data File : 120602.D
Acq On : 06 Dec 06 18:36
Operator : .
Sample : 3054.
Misc : .
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 10:57:10 2006
Quant Method : C:\MSDCHEM\1\METHODS\PAL1127.M
Quant Title : TO-15
QLast Update : Thu Dec 07 09:41:42 2006
Response via : Initial Calibration



Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Princeton Analytical
47 Maple Ave
Flemington, NJ 08822

CERTIFICATE OF ANALYSIS

SGI ORDER # : 0092142
ITEM# : 1
CERTIFICATION DATE: 6/20/2006
P.O.# : 71431
BLEND TYPE: CERTIFIED

CYLINDER # : AB-19078
CYLINDER PRES: 1800 psig
CYLINDER VALVE: CGA 180
PRODUCT EXPIRATION DATE: 20/06/2007

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-12	1.00 ppm	1.07 ppm
Chloromethane	1.00 ppm	1.01 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	1.02 ppm
1,3-Butadiene	1.00 ppm	1.08 ppm
Bromomethane	1.00 ppm	1.02 ppm
Chloroethane	1.00 ppm	1.02 ppm
Ethanol (Analytical Accuracy +/- 10%)	1.00 ppm	1.16 ppm
Acetone	1.00 ppm	1.04 ppm
Freon-11	1.00 ppm	0.96 ppm
Isopropyl Alcohol	1.00 ppm	1.14 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	1.00 ppm	1.04 ppm
Methylene Chloride	1.00 ppm	1.09 ppm
Freon-113	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.05 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.04 ppm
Vinyl Acetate	1.00 ppm	1.10 ppm
Methyl Ethyl Ketone	1.00 ppm	1.05 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.07 ppm
Hexane	1.00 ppm	1.05 ppm
Chloroform	1.00 ppm	1.05 ppm
Ethyl Acetate	1.00 ppm	1.05 ppm
Tetrahydrofuran	1.00 ppm	1.04 ppm
1,2-Dichloroethane	1.00 ppm	1.06 ppm
1,1,1-Trichloroethane	1.00 ppm	1.05 ppm
Benzene	1.00 ppm	1.07 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Princeton Analytical
47 Maple Ave
Flemington, NJ 08822

CERTIFICATE OF ANALYSIS

SGI ORDER # : 0092142
ITEM# : 1
CERTIFICATION DATE: 6/20/2006
P.O.# : 71431
BLEND TYPE: CERTIFIED

CYLINDER # : AB-19078
CYLINDER PRES: 1800 psig
CYLINDER VALVE: CGA 180
PRODUCT EXPIRATION DATE: 20/06/2007

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Cyclohexane	1.00 ppm	1.04 ppm
1,2-Dichloropropane	1.00 ppm	1.04 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
Heptane	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.05 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.04 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.15 ppm
1,1,2-Trichloroethane	1.00 ppm	1.03 ppm
Toluene	1.00 ppm	1.06 ppm
Methyl Butyl Ketone	1.00 ppm	1.06 ppm
Dibromochloromethane	1.00 ppm	1.03 ppm
1,2-Dibromoethane	1.00 ppm	1.04 ppm
Tetrachloroethylene	1.00 ppm	1.03 ppm
Chlorobenzene	1.00 ppm	1.05 ppm
Ethylbenzene	1.00 ppm	1.05 ppm
p-xylene	1.00 ppm	1.03 ppm
m-xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
o-xylene	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.03 ppm
4-Ethyltoluene	1.00 ppm	1.05 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.01 ppm
1,3-Dichlorobenzene	1.00 ppm	1.02 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	1.00 ppm	0.99 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

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SHIPPED TO: Princeton Analytical
47 Maple Ave
Flemington, NJ 08822

CERTIFICATE OF ANALYSIS

SGI ORDER # : 0092142
ITEM# : 1
CERTIFICATION DATE: 6/20/2006
P.O.# : 71431
BLEND TYPE: CERTIFIED

CYLINDER # : AB-19078
CYLINDER PRES: 1800 psig
CYLINDER VALVE: CGA 180
PRODUCT EXPIRATION DATE: 06/20/2007

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
1,2,4-Trichlorobenzene	1.00 ppm	0.97 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	0.98 ppm
Nitrogen	Balance	Balance

LOT #: 244778

ANALYST: April Chamberlain

DATE: 06/20/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Princeton Analytical
47 Maple Ave
Flemington, NJ 08822

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0094656		
ITEM# :	1		
CERTIFICATION DATE:	08/21/2006	**CYLINDER # :**	CC-237277
P.O.# :	71434	**CYLINDER PRES:**	2000 psig
BLEND TYPE:	CERTIFIED	**CYLINDER VALVE:**	CGA 350
		PRODUCT EXPIRATION DATE:	08/21/2007

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Bromide	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.06 ppm
3-Chloropropene	1.00 ppm	1.06 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.03 ppm
Cumene	1.00 ppm	1.05 ppm
2-Chlorotoluene	1.00 ppm	1.04 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 08/21/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Data Validation Checklist NYDEC

Title Page

- ___ PAL job number
- ___ Client project/site
- ___ Client ID
- ___ PAL sample number(s)
- ___ Laboratory certification numbers correct (ensure # are for the correct state)
- ___ Footer information

Case Narrative

- ___ PAL job number
- ___ Client project/site
- ___ Client ID
- ___ PAL sample number(s)
- ___ Receipt date
- ___ Analysis information (date, name of analyst)

Sample Summary

- ___ Check information against COC
- ___ Chain of Custody – make sure it was signed and dated upon receipt

Results

PAL Summary of Results

- ___ PAL job number
- ___ Date received
- ___ Date analyzed and report date
- ___ Client ID
- ___ PAL sample number(s)
- ___ Client project/site

Data Validation Checklist NYDEC (cont.)

QA/QC Data

N/A BFB Tune reports – required for each day of sample runs, associated clean can can certifications, and initial calibration. Check that each day's BFB tune report lists QA/QC and samples run with it

N/A Method Blank(s) – check that blanks meet technical acceptance criteria

N/A Laboratory Control Spikes – check that LCS runs meet technical acceptance criteria

Surrogate Recovery

N/A Internal Standard Standard Area Summaries – check to make sure all samples meet technical acceptance criteria

Supporting Documentation & QA/QC

N/A Analysis Run Log

N/A Method Detection Limit Summary

N/A Initial Calibration

N/A Daily Calibration(s) – make sure there is a daily cal for each day of analysis

N/A Example of Calculations

_____ If applicable check the Raw Data Deliverables against the Table of Contents, Report narrative information should be checked as the case narrative above.

Comments and corrective action taken: _____

Validator

Print Name Debbie J. Mitchell

Signature Debbie J. Mitchell

Jane Dennison, Ph.D., CIH
Laboratory Director