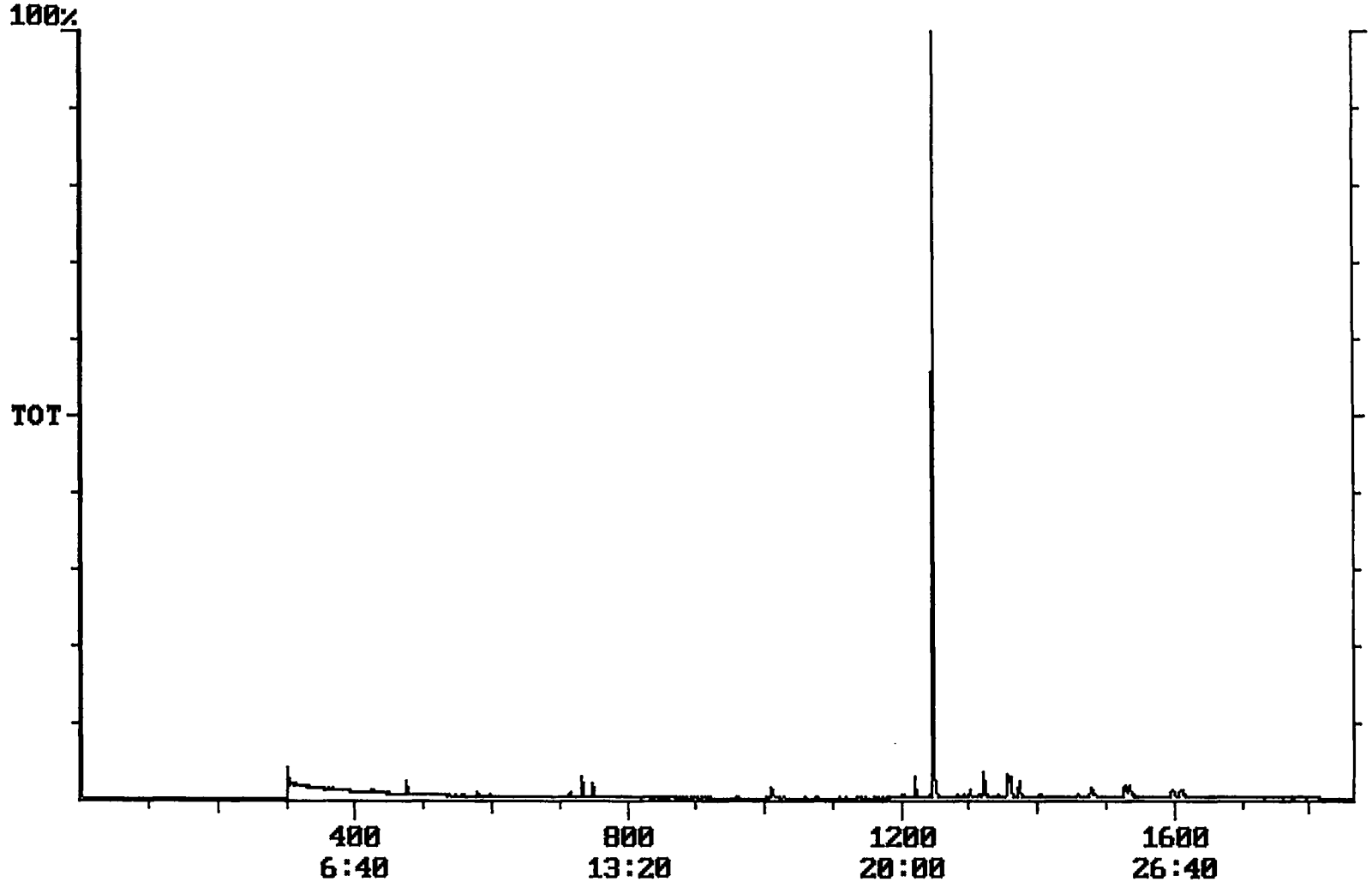
User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 15:20:23

Sample: AD27111
Analysis: $525 Organic Chemicals - 525.2
Units: ug
Started: 12/7/01 15:12 Ended: 12/19/01 15:12 Analyst: TB
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		< MDL		0.10
2	Hexachlorobenzene		< MDL		0.10
3	Simazine		< MDL		0.40
4	Atrazine		< MDL		0.20
5	Alachlor		< MDL		0.20
6	bis(2-Ethylhexyl)adipate		< MDL		0.60
7	bis(2-Ethylhexyl)phthalate		0.65		0.60
8	Benzo(a)pyrene		< MDL		0.20
9	EPTC		< MDL		1.0
10	2,6-Dinitrotoluene		< MDL		2.0
11	2,4-Dinitrotoluene		< MDL		2.0
12	Molinate		< MDL		0.90
13	Terbacil		< MDL		2.0
14	Acetochlor		< MDL		2.0
15	Metribuzin		< MDL		0.15
16	Metolachlor		< MDL		0.75
17	Butachlor		< MDL		0.40
18	4,4-DDE		< MDL		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		4.6		1.0
20	Surr_Triphenyl phosphate		6.2		1.0
21	Surr_Perylene-d12		5.6		1.0

Re extraction results (Low Surr recoveries first extract in) Target Analyte - Some

Chromatogram Plot File: E:\27111K Date: Dec-01-1991 21:34:19
Comment: BOHLK; METHOD 525; INST 204; 12/01/01; SAMPLE 27111
Scan No: 1 Retention Time: 0:01 RIC: 0 Mass Range: 0 - 0
Plotted: 1 to 1860 Range: 1 to 1860 100% = 19206000



Integration Report Quanfile: 27111K Quan Entries: 15
Comment: BOHLK; METHOD 525; INST 204; 12/01/01; SAMPLE 27111
Sorted via: Entry Number ↑

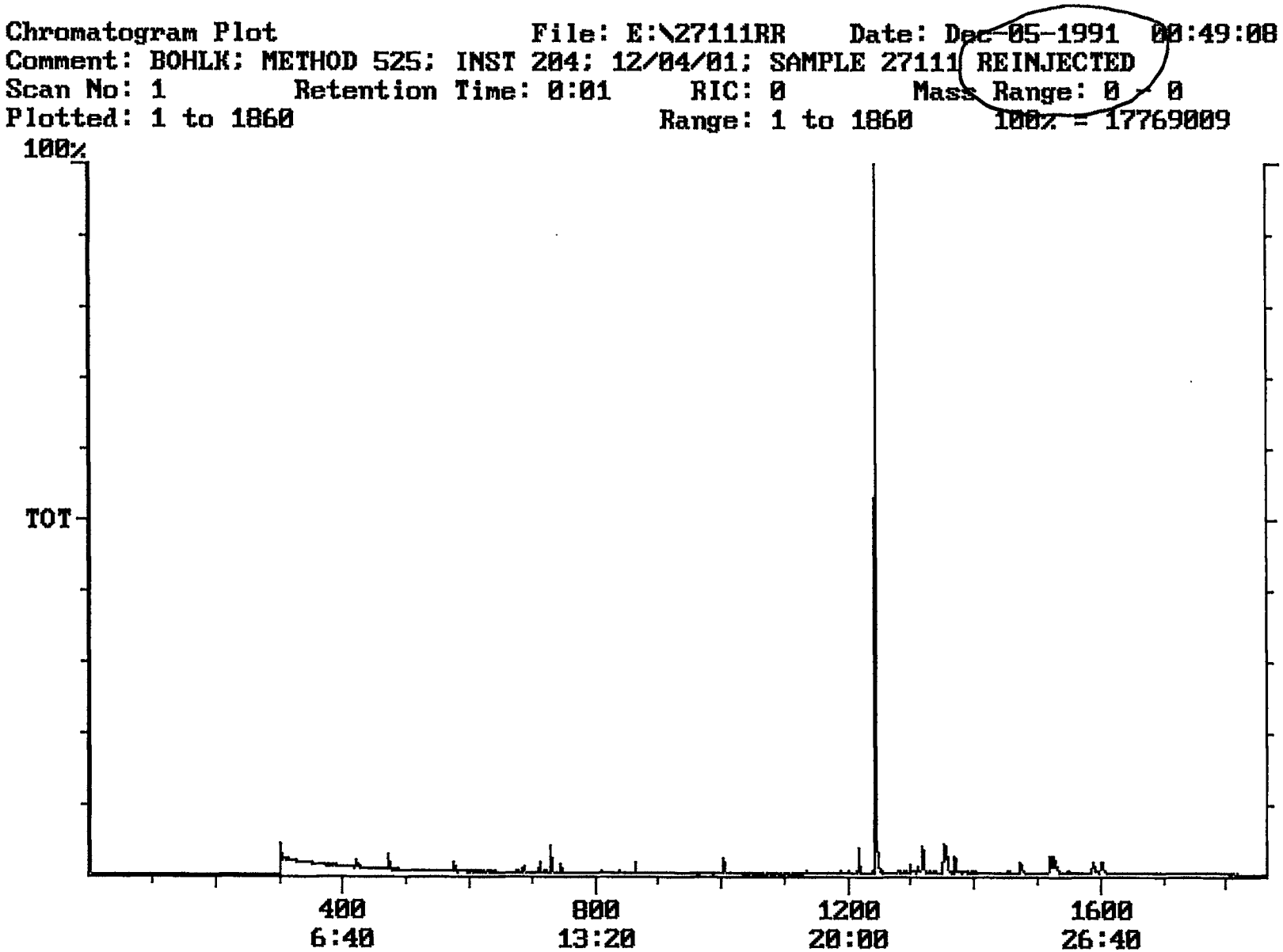
No	Name of Compound	R Time	Scan#	Mode	Peak Area	Pk Height
1	acenaphthene d-10(IS)	12:13	733	Auto	234,309	108,259
2	phenanthrene d-10 (IS)	16:50	1010	Auto	383,090	89,858
3	chrysene d-12(IS)	22:37	1357	Auto	292,859	89,144
4	p-terphenyl d-14(IS)	20:47	1247	Auto	9,429,885	7,359,258
5	acenaphthene d-10(SURR	12:13	733	Auto	234,309	108,259
6	phenanthrene d-10(SURR	16:50	1010	Auto	383,090	89,858
7	chrysene d-12 (SURR)	22:37	1357	Auto	292,859	89,144
8	1,3-dimethyl-2-nitrobe	7:55	475	Auto	147,576	62,878
9	triphenyl phosphate (S	22:02	1322	Auto	171,257	73,684
10	perylene d-12 (SURR)	26:51	1611	Auto	218,758	35,002
11	bis(2-ethylhexyl)adipa	21:54	1314	Auto	14,227	3,320
12	bis(2-ethylhexyl)phtha	22:53	1373	Auto	298,459	114,037
13	benzo(a)pyrene	26:37	1597	Auto	429,931	67,135
14	2,6-dinitrotoluene	11:53	713	Auto	21,016	10,397
15	butachlor	20:20	1220	Auto	1,005	1,005

reviewed FS/ SURR's

Quantitation Report Quanfile: 27111K Quan Entries: 15
Comment: BOHLK; METHOD 525; INST 204; 12/01/01; SAMPLE 27111
Sorted via: Entry Number ↑ (S) = Standard

Cal	Name of Compound	S	Scan#	R Time	Me	Calc Amt(A)	Units
1	acenaphthene d-10(IS)	I	733	12:13	BB	5.000	UG/L
2	phenanthrene d-10 (IS)	I	1010	16:50	BB	5.000	UG/L
3	chrysene d-12(IS)	I	1357	22:37	BB	5.000	UG/L
4	p-terphenyl d-14(IS)	I	1247	20:47	BB	5.000	UG/L
5	acenaphthene d-10(SURR	A	733	12:13	BB	0.164	UG/L
6	phenanthrene d-10(SURR	A	1010	16:50	BB	0.187	UG/L
7	chrysene d-12 (SURR)	A	1357	22:37	BB	0.186	UG/L
8	1,3-dimethyl-2-nitrobe	A	475	7:55	BB	5.249	UG/L
9	triphenyl phosphate (S	A	1322	22:02	BB	5.275	UG/L
10	perylene d-12 (SURR)	A	1611	26:51	BB	6.470	UG/L
16	bis(2-ethylhexyl)adipa	A	1314	21:54	MM	0.217	UG/L
17	bis(2-ethylhexyl)phtha	A	1373	22:53	BB	3.046	UG/L
18	benzo(a)pyrene	A	1597	26:37	MM	8.939	UG/L
20	2,6-dinitrotoluene	A	713	11:53	BB	1.526	UG/L
27	butachlor	A	1220	20:20	BB	0.037	UG/L

Refer to Re-extraction



Integration Report Quanfile: 27111RR Quan Entries: 15
Comment: BOHLK; METHOD 525; INST 204; 12/04/01; SAMPLE 27111 REINJECTED
Sorted via: Entry Number ↑

No	Name of Compound	R Time	Scan#	Mode	Peak Area	Pk Height
1	acenaphthene d-10(IS)	12:10	730	Auto	271,655	134,738
2	phenanthrene d-10 (IS)	16:44	1004	Auto	471,583	135,619
3	chrysene d-12(IS)	22:32	1352	Auto	369,099	136,577
4	p-terphenyl d-14(IS)	20:44	1244	Auto	10,438,667	6,608,322
5	acenaphthene d-10(SURR	12:10	730	Auto	271,655	134,738
6	phenanthrene d-10(SURR	16:44	1004	Auto	471,583	135,619
7	chrysene d-12 (SURR)	22:32	1352	Auto	369,099	136,577
8	1,3-dimethyl-2-nitrobe	7:51	471	Auto	172,523	67,697
9	triphenyl phosphate (S	21:58	1318	Auto	214,515	92,887
10	perylene d-12 (SURR)	26:42	1602	Auto	274,830	48,861
11	bis(2-ethylhexyl)adipa	21:51	1311	Auto	9,881	4,083
12	bis(2-ethylhexyl)phtha	22:49	1369	Auto	364,518	129,332
13	benzo(a)pyrene	26:29	1589	Auto	476,047	90,566
14	2,6-dinitrotoluene	11:50	710	Auto	23,830	14,187
15	butachlor	20:17	1217	Auto	2,006	2,006

Quantitation Report Quanfile: 27111RR Quan Entries: 15
Comment: BOHLK; METHOD 525; INST 204; 12/04/01; SAMPLE 27111 REINJECTED
Sorted via: Entry Number ↑ (S) = Standard

Cal	Name of Compound	S	Scan#	R Time	Me	Calc Amt(A)	Units
1	acenaphthene d-10(IS)	I	730	12:10	BB	5.000	UG/L
2	phenanthrene d-10 (IS)	I	1004	16:44	BV	5.000	UG/L
3	chrysene d-12(IS)	I	1352	22:32	BB	5.000	UG/L
4	p-terphenyl d-14(IS)	I	1244	20:44	BB	5.000	UG/L
5	acenaphthene d-10(SURR	A	730	12:10	BB	0.144	UG/L
6	phenanthrene d-10(SURR	A	1004	16:44	BV	0.195	UG/L
7	chrysene d-12 (SURR)	A	1352	22:32	BB	0.186	UG/L
8	1,3-dimethyl-2-nitrobe	A	471	7:51	BB	6.806	UG/L
9	triphenyl phosphate (S	A	1318	21:58	BB	5.998	UG/L
10	perylene d-12 (SURR)	A	1602	26:42	BB	5.111	UG/L
16	bis(2-ethylhexyl)adipa	A	1311	21:51	BB	0.180	UG/L
17	bis(2-ethylhexyl)phtha	A	1369	22:49	BB	3.816	UG/L
18	benzo(a)pyrene	A	1589	26:29	MM	5.556	UG/L
20	2,6-dinitrotoluene	A	710	11:50	BB	1.509	UG/L
27	butachlor	A	1217	20:17	BB	0.047	UG/L

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\120601\27111.D Vial: 33
Acq On : 7 Dec 2001 5:19 pm Operator: McLean
Sample : 11/14 sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 12 12:33:26 2001 Quant Results File: 120501.RES

Quant Method : C:\MSDCHEM\1\5973N\120501.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Thu Dec 06 10:31:04 2001
Response via : Initial Calibration
DataAcq Meth : 120501

original
27111
Reinjected

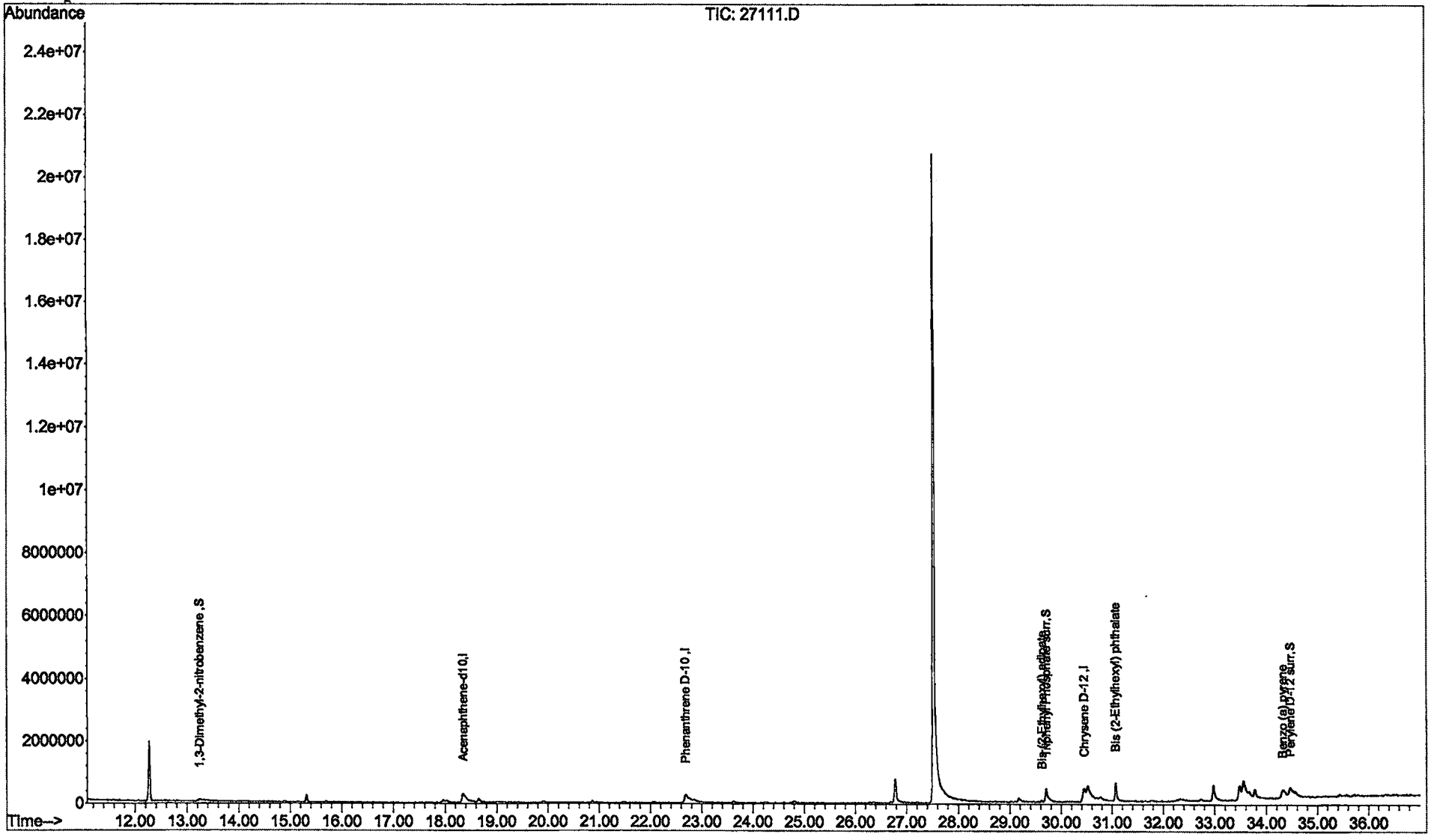
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.34	164	514927	5.00	ug/L	0.03
9) Phenanthrene D-10	22.68	188	626661	5.00	ug/L	0.04
20) Chrysene D-12	30.44	240	531266	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.24	134	61440m	2.25	ug/L	0.02
Spiked Amount 5.000			Recovery = 45.00%			
19) Triphenyl Phosphate surr	29.71	326	144577m	6.65	ug/L	0.02
Spiked Amount 5.000			Recovery = 133.00%			
21) Perylene D-12 surr	34.47	264	420017	5.63	ug/L	0.03
Spiked Amount 5.000			Recovery = 112.60%			
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	0.00	284	0	N.D.		
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
7) 2,4-Dinitotoluene	0.00	165	0	N.D. d		
8) Molinate	0.00	126	0	N.D.		
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	0.00	160	0	N.D.		
13) Terbacil	0.00	161	0	N.D.		
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	0.00	162	0	N.D.		
17) Butachlor	0.00	160	0	N.D.		
18) 4,4'-DDE	0.00	246	0	N.D. d		
22) Bis (2-Ethylhexyl) adipate	29.63	129	9244	0.22	ug/L #	1
23) Bis (2-Ethylhexyl) phthala	31.07	149	503959	3.62	ug/L	97
24) Benzo (a) pyrene	34.31	252	735195	6.70	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\120601\27111.D Vial: 33
Acq On : 7 Dec 2001 5:19 pm Operator: McLean
Sample : 11/14 sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 12 12:35 2001 Quant Results File: 120501.RES

Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue Dec 18 09:35:41 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121801\27111.D Vial: 16
Acq On : 19 Dec 2001 7:09 am Operator: McLean
Sample : 12/7 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 19 13:45:01 2001 Quant Results File: 121401.RES

27111

Re-ext

Quant Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue Dec 18 09:35:41 2001
Response via : Initial Calibration
DataAcq Meth : 121401

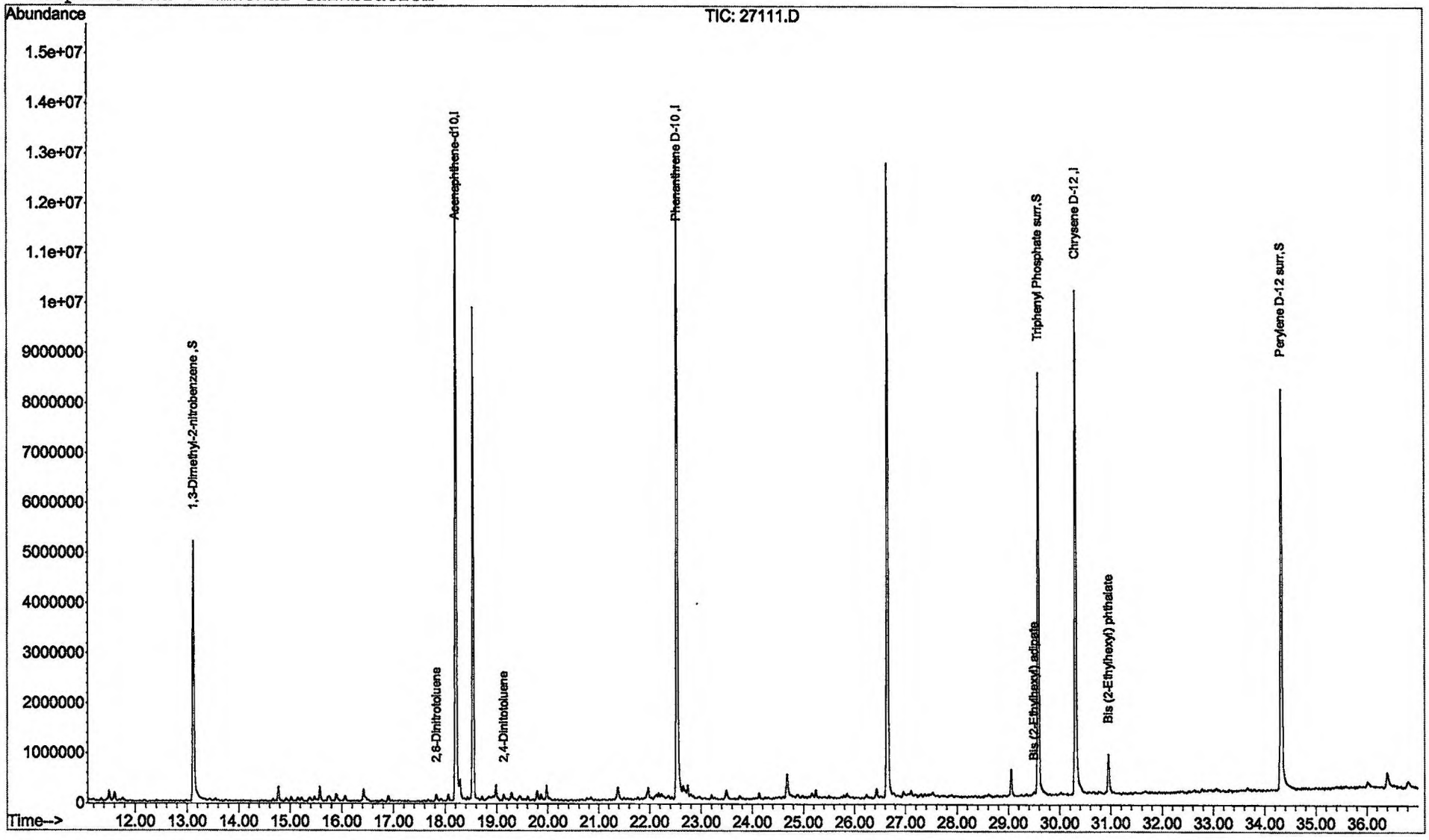
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.20	164	6716633	5.00	ug/L	0.00
9) Phenanthrene D-10	22.53	188	10599955	5.00	ug/L	0.00
20) Chrysene D-12	30.30	240	7438606	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.13	134	1576423	4.59	ug/L	0.00
Spiked Amount 5.000			Recovery = 91.80%			
19) Triphenyl Phosphate surr	29.58	326	1986688	6.16	ug/L	0.00
Spiked Amount 5.000			Recovery = 123.20%			
21) Perylene D-12 surr	34.31	264	5558598	5.65	ug/L	0.00
Spiked Amount 5.000			Recovery = 113.00%			
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	0.00	284	0	N.D.		
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	17.81	165	26460	0.38	ug/L #	30
7) 2,4-Dinitotoluene	19.14	165	3204	0.32	ug/L	80
8) Molinate	0.00	126	0	N.D.	d	
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	0.00	160	0	N.D.		
13) Terbacil	0.00	161	0	N.D.	d	
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	0.00	162	0	N.D.		
17) Butachlor	0.00	160	0	N.D.	d	
18) 4,4'-DDE	0.00	246	0	N.D.		
22) Bis (2-Ethylhexyl) adipate	29.51	129	11102	0.39	ug/L #	6
23) Bis (2-Ethylhexyl) phthala	30.96	149	656574	0.65	ug/L	96
24) Benzo (a) pyrene	0.00	252	0	N.D.	d	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121801\27111.D Vial: 16
Acq On : 19 Dec 2001 7:09 am Operator: McLean
Sample : 12/7 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 19 13:45 2001 Quant Results File: 121401.RES

Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue Dec 18 09:35:41 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121901\27111FB.D Vial: 30
Acq On : 20 Dec 2001 11:04 am Operator: McLean
Sample : 12/17 fblks Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 20 11:41:13 2001 Quant Results File: 121401.RES

Quant Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue Dec 18 09:35:41 2001
Response via : Initial Calibration
DataAcq Meth : 121401

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.21	164	5787773	5.00	ug/L	0.00
9) Phenanthrene D-10	22.53	188	8291867	5.00	ug/L	0.00
20) Chrysene D-12	30.30	240	5629603	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.13	134	1369307	4.63	ug/L	0.00
Spiked Amount 5.000			Recovery = 92.60%			
19) Triphenyl Phosphate surr	29.58	326	1434169	5.68	ug/L	0.00
Spiked Amount 5.000			Recovery = 113.60%			
21) Perylene D-12 surr	34.32	264	3597686	4.83	ug/L	0.00
Spiked Amount 5.000			Recovery = 96.60%			
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	0.00	284	0	N.D.		
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	0.00	165	0	N.D. d		
7) 2,4-Dinitotoluene	18.95	165	4273	0.32	ug/L #	21
8) Molinate	0.00	126	0	N.D. d		
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	0.00	160	0	N.D.		
13) Terbacil	0.00	161	0	N.D. d		
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	0.00	162	0	N.D.		
17) Butachlor	0.00	160	0	N.D. d		
18) 4,4'-DDE	0.00	246	0	N.D.		
22) Bis (2-Ethylhexyl) adipate	29.58	129	19961	0.40	ug/L #	55
23) Bis (2-Ethylhexyl) phthala	30.96	149	146288	0.46	ug/L	99
24) Benzo (a) pyrene	0.00	252	0	N.D. d		

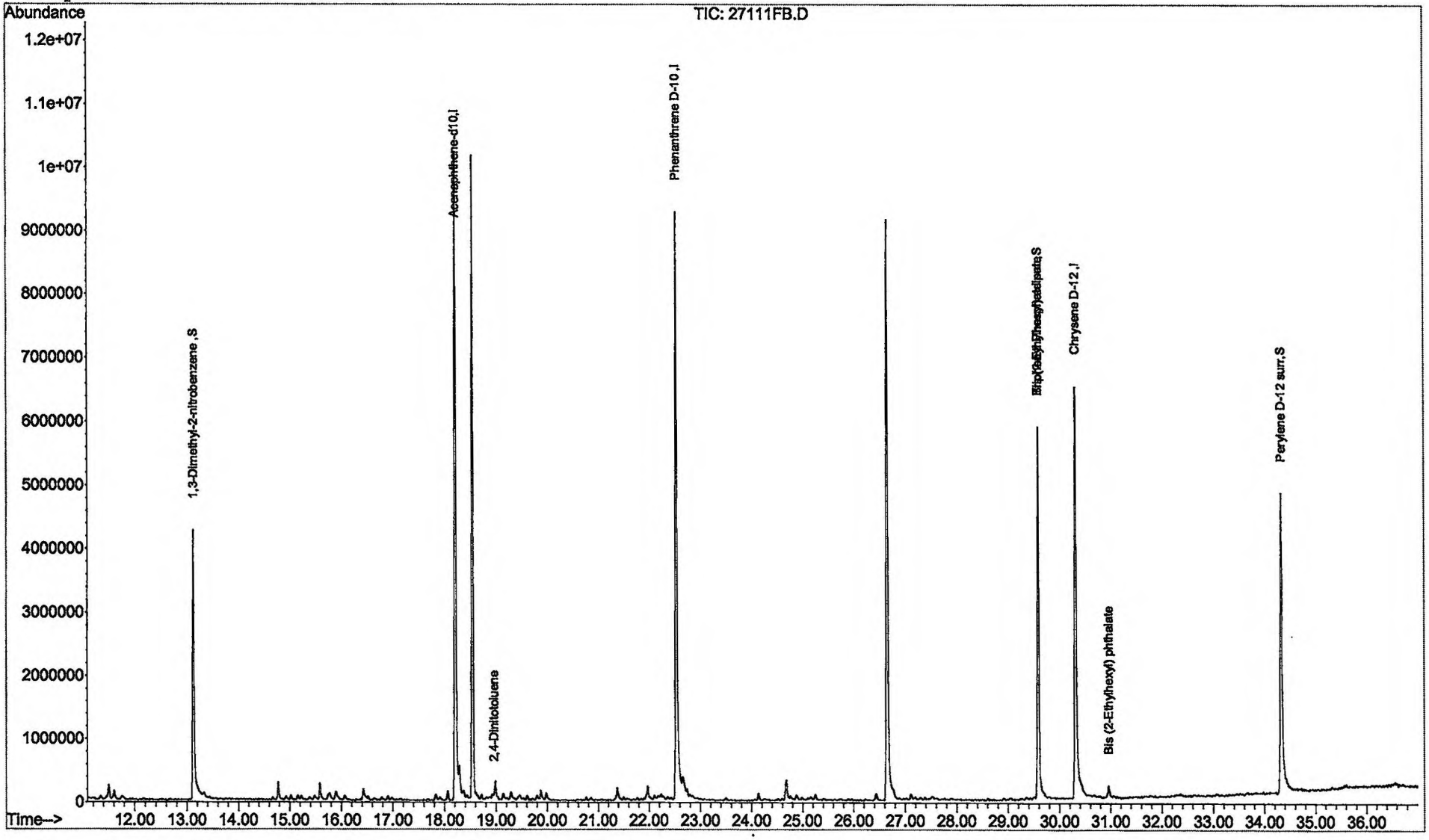
FB for 27111

(#) = qualifier out of range (m) = manual integration
27111FB.D 121401.M Wed Jan 02 09:21:15 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121901\27111FB.D Vial: 30
Acq On : 20 Dec 2001 11:04 am Operator: McLean
Sample : 12/17 fblks Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Jan 2 9:21 2002 Quant Results File: 121401.RES

Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Tue Dec 18 09:35:41 2001
Response via : Initial Calibration



Comments for Sample AD27111 - Analysis $525

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-04-2002 Time: 11:53:34

The recoveries for 5 of the 8 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 4 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 49%.