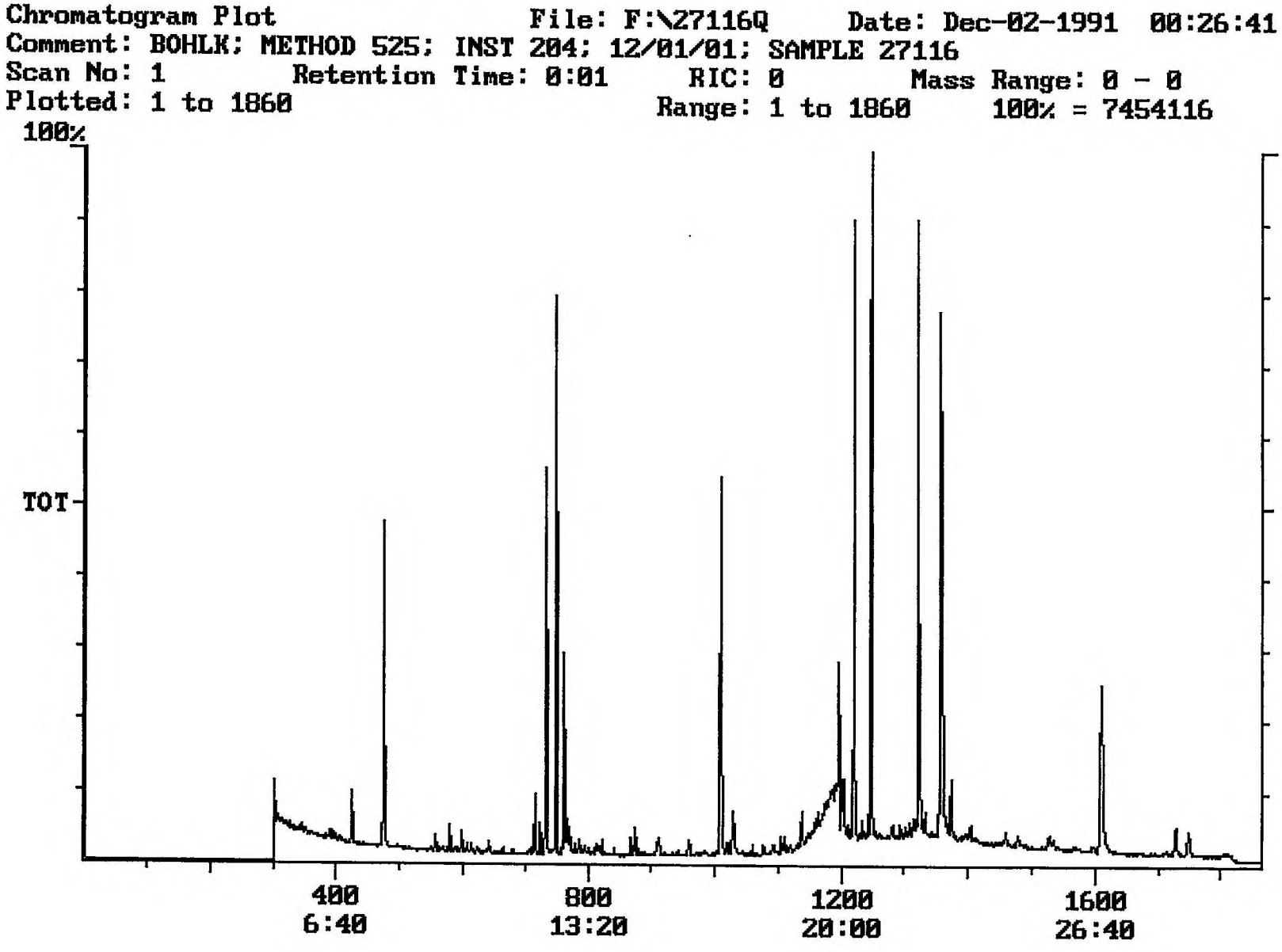
User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 15:30:42

Sample: AD27116
Analysis: $525 Organic Chemicals - 525.2
Units: ug
Started: 11/14/01 15:26 Ended: 12/1/01 15:26 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		< MDL		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		5.1		1.0
21	Surr_Perylene-d12		6.0		1.0



Integration Report Quanfile: 27116Q Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/01/01; SAMPLE 27116
Sorted via: Entry Number ↑

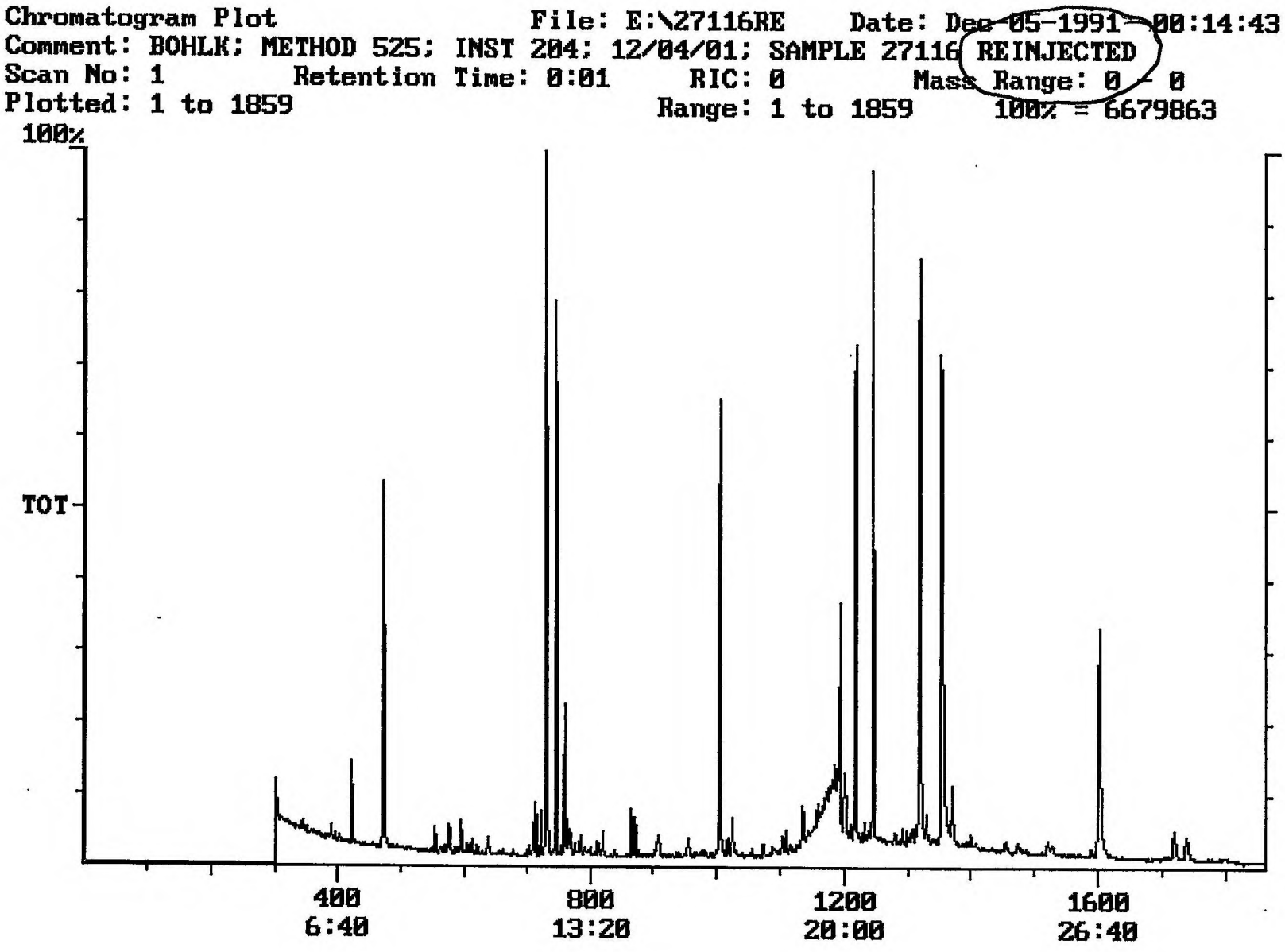
No	Name of Compound	R Time	Scan#	Mode	Peak Area	Pk Height
1	acenaphthene d-10(IS)	12:13	733	Auto	2,086,042	976,079
2	phenanthrene d-10 (IS)	16:49	1009	Auto	3,479,734	1,333,852
3	chrysene d-12(IS)	22:36	1356	Auto	3,030,326	1,476,265
4	p-terphenyl d-14(IS)	20:47	1247	Auto	3,945,404	2,197,306
5	acenaphthene d-10(SURR	12:13	733	Auto	2,086,042	976,079
6	phenanthrene d-10(SURR	16:49	1009	Auto	3,479,734	1,333,852
7	chrysene d-12 (SURR)	22:36	1356	Auto	3,030,326	1,476,265
8	1,3-dimethyl-2-nitrobe	7:54	474	Auto	1,160,570	644,124
9	triphenyl phosphate (S	22:01	1321	Auto	1,699,038	903,822
10	perylene d-12 (SURR)	26:50	1610	Auto	2,099,156	435,174
11	hexachlorobenzene	15:13	913	Auto	12,972	5,204
12	simazine	15:58	958	Auto	0	0
13	bis(2-ethylhexyl)adipa	22:01	1321	Auto	41,749	11,107
14	bis(2-ethylhexyl)phtha	22:53	1373	Auto	392,894	174,136
15	benzo(a)pyrene	26:36	1596	Auto	142,685	22,293
16	2,6-dinitrotoluene	11:53	713	Auto	67,856	34,398
17	butachlor	20:22	1222	Auto	0	0
18	4,4'-dde	20:42	1242	Auto	9,922	7,609

reviewed IS/surr's

Quantitation Report Quanfile: 27116Q Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/01/01; SAMPLE 27116
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	BV	5.000	UG/L
2	phenanthrene d-10 (IS)	I	1009	16:49	BV	5.000	UG/L
3	chrysene d-12(IS)	I	1356	22:36	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	BV	3.487	UG/L
6	phenanthrene d-10(SURR	A	1009	16:49	BV	4.049	UG/L
7	chrysene d-12 (SURR)	A	1356	22:36	BB	4.588	UG/L
8	1,3-dimethyl-2-nitrobe	A	474	7:54	BV	4.637	UG/L
9	triphenyl phosphate (S	A	1321	22:01	BV	5.058	UG/L
10	perylene d-12 (SURR)	A	1610	26:50	BB	6.000	UG/L
12	hexachlorobenzene	A	913	15:13	BB	0.052	UG/L
13	simazine	A	958	15:58	BB	0.001	UG/L
16	bis(2-ethylhexyl)adipa	A	1321	22:01	MM	0.061	UG/L
17	bis(2-ethylhexyl)phtha	A	1373	22:53	BB	0.349	UG/L
18	benzo(a)pyrene	A	1596	26:36	MM	0.221	UG/L
20	2,6-dinitrotoluene	A	713	11:53	BB	0.557	UG/L
27	butachlor	A	1222	20:22	BB	0.001	UG/L
28	4,4'-dde	A	1242	20:42	BB	0.035	UG/L

original extract



Integration Report Quanfile: 27116RE Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/04/01; SAMPLE 27116 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	2,718,983	1,736,607
2	phenanthrene d-10 (IS)	16:44	1004	Auto	3,894,175	1,520,012
3	chrysene d-12(IS)	22:32	1352	Auto	3,133,911	1,277,336
4	p-terphenyl d-14(IS)	20:44	1244	Auto	3,888,001	2,103,941
5	acenaphthene d-10(SURR	12:10	730	Auto	2,718,983	1,736,607
6	phenanthrene d-10(SURR	16:44	1004	Auto	3,894,175	1,520,012
7	chrysene d-12 (SURR)	22:32	1352	Auto	3,133,911	1,277,336
8	1,3-dimethyl-2-nitrobe	7:52	472	Auto	1,335,375	572,797
9	triphenyl phosphate (S	21:59	1319	Auto	1,673,060	710,952
10	perylene d-12 (SURR)	26:42	1602	Auto	2,203,908	534,956
11	hexachlorocyclopentadi	10:01	601	Auto	1,186	1,186
12	hexachlorobenzene	15:09	909	Auto	14,208	6,007
13	bis(2-ethylhexyl)adipa	21:52	1312	Auto	16,193	7,160
14	bis(2-ethylhexyl)phtha	22:50	1370	Auto	387,207	161,776
15	benzo(a)pyrene	26:29	1589	Auto	113,102	22,154
16	2,6-dinitrotoluene	11:50	710	Auto	69,697	40,087
17	butachlor	20:18	1218	Auto	26,592	11,088
18	4,4'-dde	20:40	1240	Auto	14,754	9,613

original extract

Quantitation Report Quanfile: 27116RE Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/04/01; SAMPLE 27116 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	BV	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	VV	5.000	UG/L
4	p-terphenyl d-14(IS)	I	1244	20:44	BV	5.000	UG/L
5	acenaphthene d-10(SURR	A	730	12:10	BV	3.851	UG/L
6	phenanthrene d-10(SURR	A	1004	16:44	BV	4.308	UG/L
7	chrysene d-12 (SURR)	A	1352	22:32	VV	4.237	UG/L
8	1,3-dimethyl-2-nitrobe	A	472	7:52	BV	5.263	UG/L
9	triphenyl phosphate (S	A	1319	21:59	BB	5.510	UG/L
10	perylene d-12 (SURR)	A	1602	26:42	BB	4.827	UG/L
11	hexachlorocyclopentadi	A	601	10:01	BB	0.011	UG/L
12	hexachlorobenzene	A	909	15:09	BB	0.052	UG/L
16	bis(2-ethylhexyl)adipa	A	1312	21:52	MM	0.035	UG/L
17	bis(2-ethylhexyl)phtha	A	1370	22:50	BV	0.424	UG/L
18	benzo(a)pyrene	A	1589	26:29	MM	0.186	UG/L
20	2,6-dinitrotoluene	A	710	11:50	BB	0.435	UG/L
27	butachlor	A	1218	20:18	BB	0.076	UG/L
28	4,4'-dde	A	1240	20:40	BB	0.044	UG/L

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\120601\27116.D Vial: 32
Acq On : 7 Dec 2001 4:34 pm Operator: McLean
Sample : 11/14 sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 07 17:11:58 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
27116
Re-injected

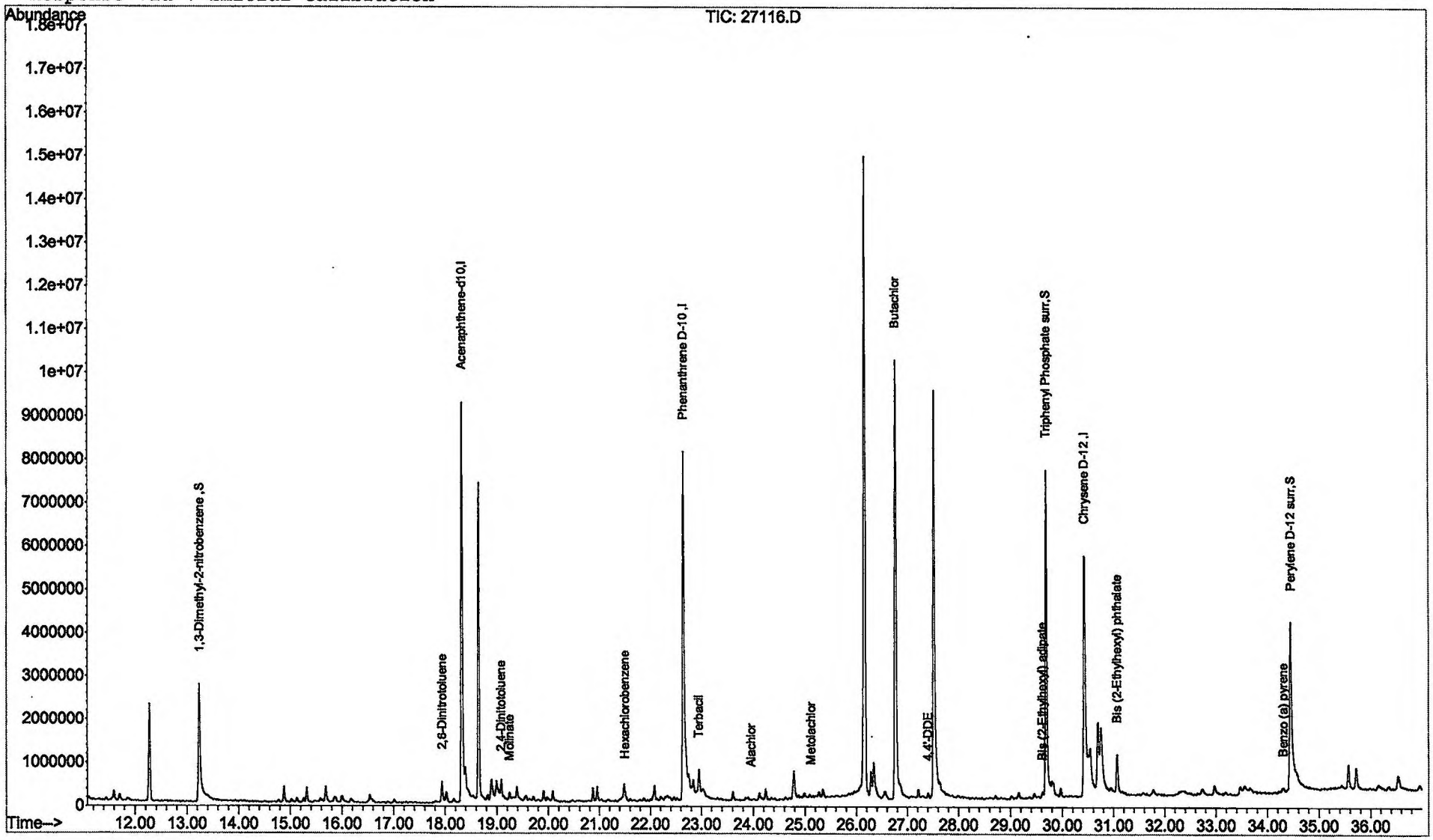
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.32	164	5457035	5.00	ug/L	0.00
9) Phenanthrene D-10	22.65	188	9137251	5.00	ug/L	0.00
20) Chrysene D-12	30.42	240	6121580	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.23	134	1233871	4.26	ug/L	0.00
Spiked Amount 5.000			Recovery =	85.20%		
19) Triphenyl Phosphate surr	29.70	326	1921494	6.07	ug/L	0.01
Spiked Amount 5.000			Recovery =	121.40%		
21) Perylene D-12 surr	34.45	264	3926119	4.57	ug/L	0.00
Spiked Amount 5.000			Recovery =	91.40%		
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
4) Hexachlorobenzene	21.51	284	21890	0.05	ug/L	96
5) EPTC	0.00	128	0	N.D.		
6) 2,6-Dinitrotoluene	17.93	165	123719	0.81	ug/L #	34
7) 2,4-Dinitotoluene	19.07	165	4739	0.30	ug/L #	21
8) Molinate	19.25	126	6150	0.01	ug/L #	1
10) Simazine	0.00	201	0	N.D.		
11) Atrazine	0.00	200	0	N.D.		
12) Alachlor	23.95	160	6674	0.02	ug/L #	1
13) Terbacil	22.95	161	11444	0.03	ug/L #	1
14) Acetochlor	0.00	146	0	N.D.		
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	25.13	162	5275	0.01	ug/L #	38
17) Butachlor	26.76	160	41917	0.11	ug/L #	3
18) 4,4'-DDE	27.40	246	13586	0.04	ug/L	99
22) Bis (2-Ethylhexyl) adipate	29.62	129	25371	0.14	ug/L #	11
23) Bis (2-Ethylhexyl) phthala	31.07	149	733579	0.64	ug/L	100
24) Benzo (a) pyrene	34.30	252	151959	0.32	ug/L	88

(#) = qualifier out of range (m) = manual integration
27116.D 121401.M Wed Jan 02 08:55:46 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\120601\27116.D Vial: 32
Acq On : 7 Dec 2001 4:34 pm Operator: McLean
Sample : 11/14 sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 7 17:11 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\27116.D Vial: 21
Acq On : 19 Dec 2001 10:54 am Operator: McLean
Sample : 12/7 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 19 11:31:33 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	18.20	164	6871463	5.00	ug/L	0.00
9) Phenanthrene D-10	22.53	188	10266026	5.00	ug/L	0.00
20) Chrysene D-12	30.30	240	7096730	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.13	134	1672898	4.76	ug/L	0.00
Spiked Amount 5.000			Recovery = 95.20%			
19) Triphenyl Phosphate surr	29.58	326	1980200	6.34	ug/L	0.00
Spiked Amount 5.000			Recovery = 126.80%			
21) Perylene D-12 surr	34.31	264	5392161	5.75	ug/L	0.00
Spiked Amount 5.000			Recovery = 115.00%			
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	0.00	165	0	N.D. d		
7) 2,4-Dinitotoluene	18.83	165	1616	0.31	ug/L	75
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. 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	8543	0.39	ug/L #	1
23) Bis (2-Ethylhexyl) phthala	30.95	149	926689	0.78	ug/L	95
24) Benzo (a) pyrene	0.00	252	0	N.D. d		

27116

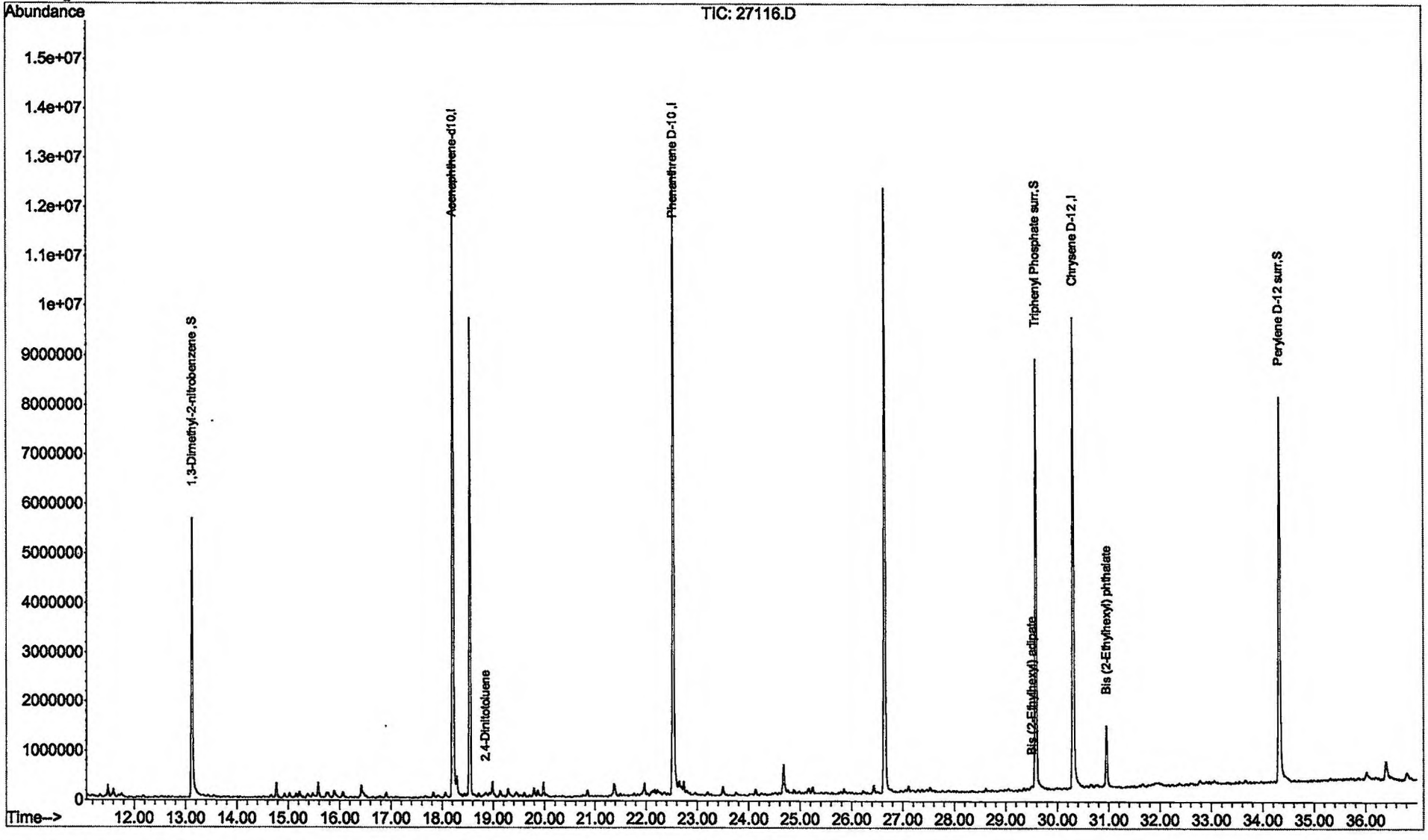
Re-ext

(#) = qualifier out of range (m) = manual integration
27116.D 121401.M Wed Dec 19 13:50:19 2001 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121801\27116.D Vial: 21
Acq On : 19 Dec 2001 10:54 am Operator: McLean
Sample : 12/7 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 19 13:50 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\27116FB.D Vial: 31
Acq On : 20 Dec 2001 11:49 am Operator: McLean
Sample : 12/17 fblks Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 20 12:26:12 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	4436020	5.00 ug/L	0.00
9) Phenanthrene D-10	22.53	188	6369329	5.00 ug/L	0.00
20) Chrysene D-12	30.30	240	4368657	5.00 ug/L	0.00
System Monitoring Compounds					
2) 1,3-Dimethyl-2-nitrobenzen	13.13	134	1012732	4.46 ug/L	0.00
Spiked Amount 5.000			Recovery	= 89.20%	
19) Triphenyl Phosphate surr	29.58	326	1061297	5.48 ug/L	0.00
Spiked Amount 5.000			Recovery	= 109.60%	
21) Perylene D-12 surr	34.32	264	2800330	4.85 ug/L	0.00
Spiked Amount 5.000			Recovery	= 97.00%	
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	0.00	165	0	N.D. d	
7) 2,4-Dinitotoluene	18.95	165	4376	0.32 ug/L #	21
8) Molinate	18.98	126	7282	0.01 ug/L #	1
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	10720	0.40 ug/L #	1
23) Bis (2-Ethylhexyl) phthala	30.96	149	233757	0.55 ug/L	98
24) Benzo (a) pyrene	0.00	252	0	N.D. d	

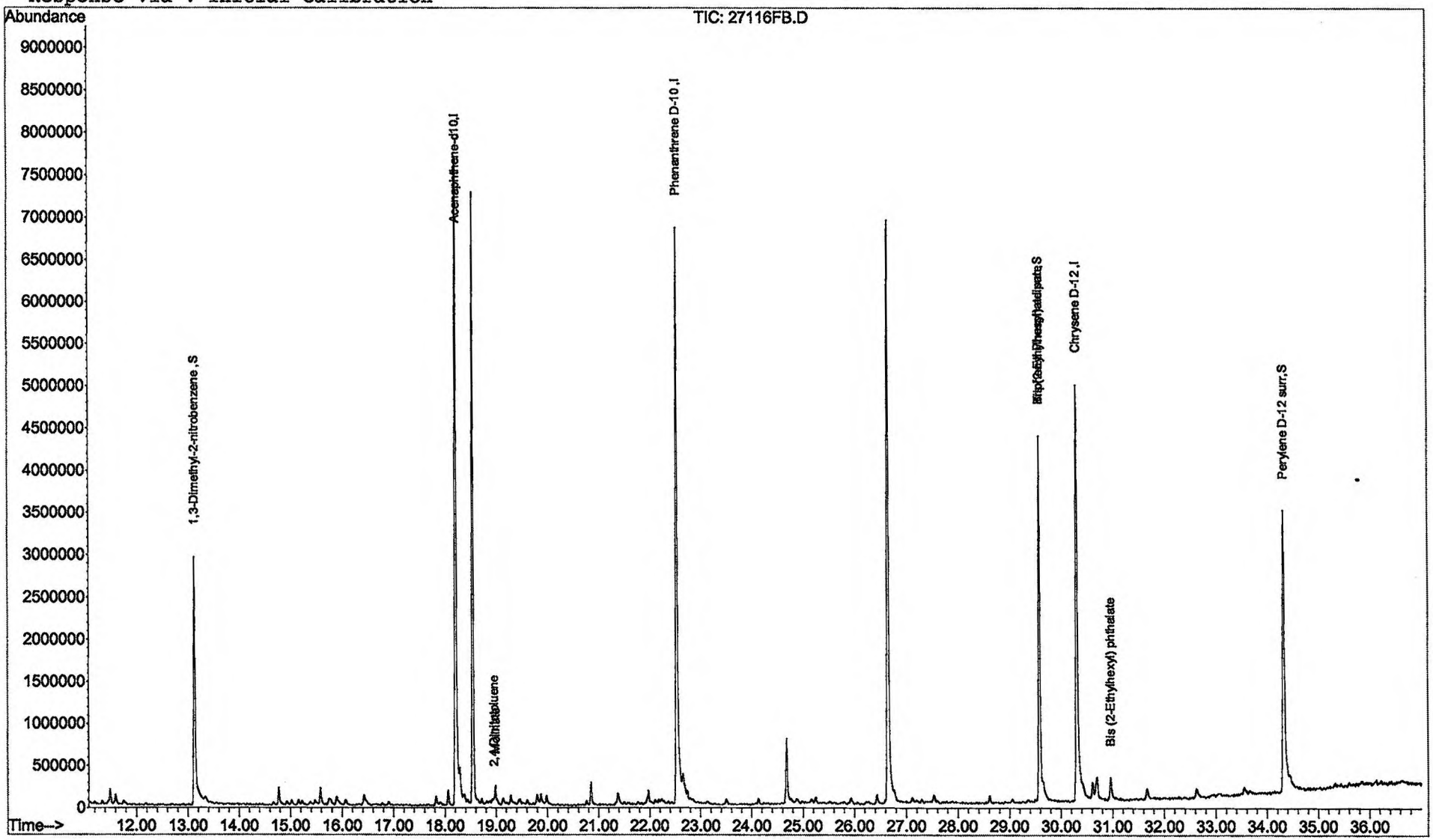
FB for 27116

(#) = qualifier out of range (m) = manual integration
27116FB.D 121401.M Wed Jan 02 09:26:20 2002

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\121901\27116FB.D Vial: 31
Acq On : 20 Dec 2001 11:49 am Operator: McLean
Sample : 12/17 fblks Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Jan 2 9:26 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 AD27116 - Analysis $525

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-04-2002 Time: 11:29:22

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%.