User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 06/04/2002 Time: 12:35:59

Sample: AE11555
Analysis: $RE525 Organic Chemicals - 525.2; ref. std.
Units: ug
Started: 5/23/02 12:27 Ended: 5/29/02 12:27 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		4.8		0.10
2	Hexachlorobenzene		4.5		0.10
3	Simazine		4.6		0.07
4	Atrazine		5.7		0.10
5	Alachlor		5.5		0.20
6	bis(2-Ethylhexyl)adipate		5.1		0.60
7	bis(2-Ethylhexyl)phthalate		5.6		0.60
8	Benzo(a)pyrene		3.5		0.20
9	EPTC		5.6		1.0
10	2,6-Dinitrotoluene		4.1		2.0
11	2,4-Dinitrotoluene		4.2		2.0
12	Molinate		6.0		0.90
13	Terbacil		6.1		2.0
14	Acetochlor		5.5		2.0
15	Metribuzin		3.4		0.15
16	Metolachlor		5.0		0.75
17	Butachlor		5.3		0.40
18	4,4-DDE		4.9		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		5.0		
20	Surr_Triphenyl phosphate		5.7		
21	Surr_Perylene-d12		4.6		

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 06/04/2002 Time: 12:36:19

Sample: AE11555
Analysis: $Q_525 Organic Chemicals - 525.2; ref. std.
Units: ug
Started: 5/23/02 12:36 Ended: 6/28/02 12:36 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		96		0.10
2	Hexachlorobenzene		90		0.10
3	Simazine		92		0.07
4	Atrazine		110		0.10
5	Alachlor		110		0.20
6	bis(2-Ethylhexyl)adipate		100		0.60
7	bis(2-Ethylhexyl)phthalate		110		0.60
8	Benzo(a)pyrene		70		0.20
9	EPTC		110		1.0
10	2,6-Dinitrotoluene		82		2.0
11	2,4-Dinitrotoluene		84		2.0
12	Molinate		120		0.90
13	Terbacil		120		2.0
14	Acetochlor		110		2.0
15	Metribuzin	LSPEC	68		0.15
16	Metolachlor		100		0.75
17	Butachlor		110		0.40
18	4,4-DDE		98		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		100		
20	Surr_Triphenyl phosphate		110		
21	Surr_Perylene-d12		92		

Data File : C:\MSDCHEM\1\DATA\052902\REFB0529.D Vial: 18
Acq On : 29 May 2002 4:11 pm Operator: Bohlk / Inst 213
Sample : REF2 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 03 15:52:48 2002 Quant Results File: 052802.RES

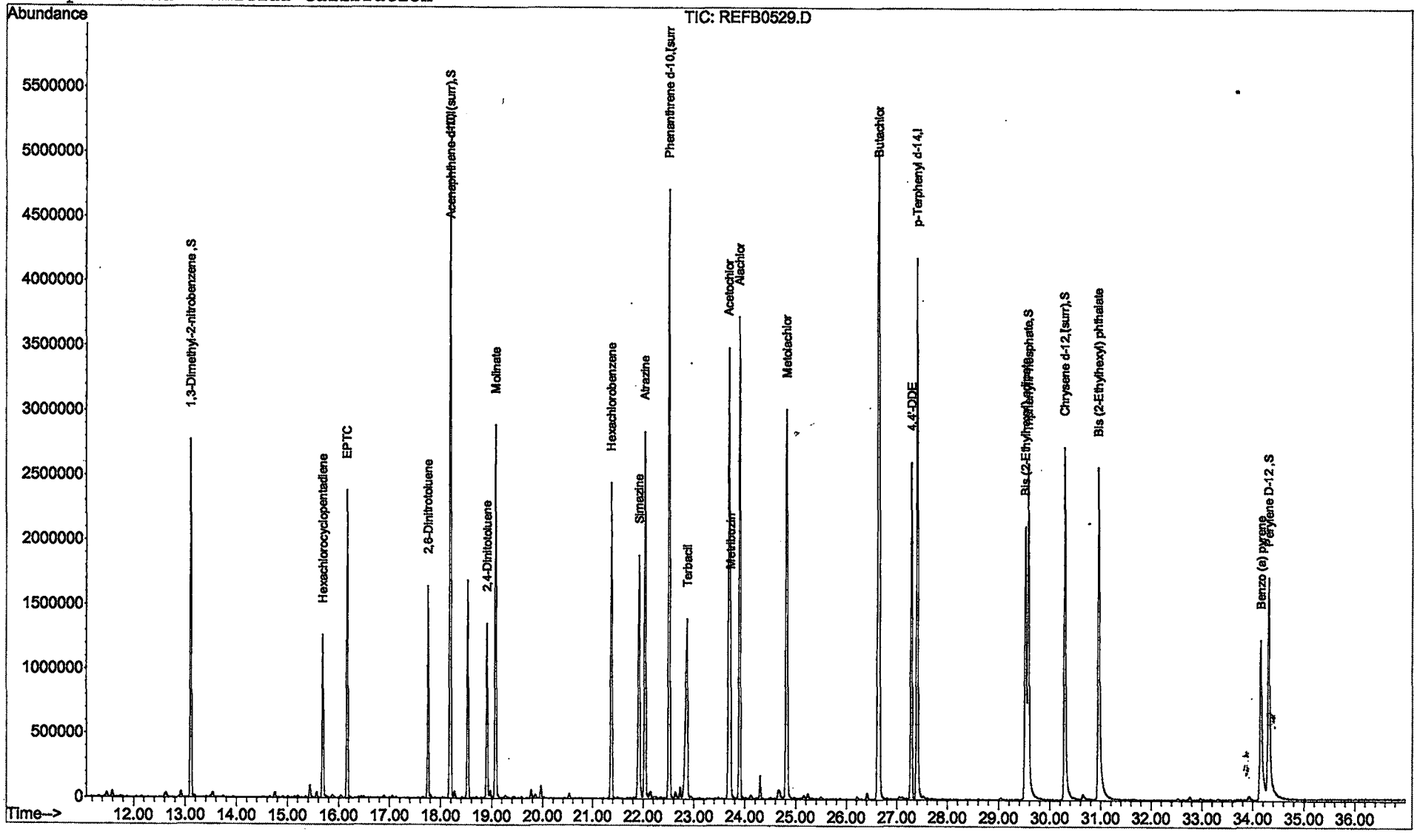
Quant Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration
DataAcq Meth : 052802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.19	164	2228454	5.00	ug/L	0.00
9) Phenanthrene d-10	22.51	188	3328336	5.00	ug/L	0.00
19) Chrysene d-12	30.29	240	2070384	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.39	244	2474190	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.11	134	628203	5.03	ug/L	0.00
Spiked Amount 5.000			Recovery =	100.60%		
20) Triphenyl Phosphate	29.57	326	502673	5.71	ug/L	0.00
Spiked Amount 5.000			Recovery =	114.20%		
21) Perylene D-12	34.30	264	1275214	4.62	ug/L	0.00
Spiked Amount 5.000			Recovery =	92.40%		
26) Acenaphthene d-10 (surr)	18.19	164	2228454	4.05	ug/L	0.00
Spiked Amount 5.000			Recovery =	81.00%		
27) Phenanthrene d-10 (surr)	22.51	188	3328336	4.33	ug/L	0.00
Spiked Amount 5.000			Recovery =	86.60%		
28) Chrysene d-12 (surr)	30.29	240	2070384	4.12	ug/L	0.00
Spiked Amount 5.000			Recovery =	82.40%		
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	15.68	237	294995	4.79	ug/L	98
4) Hexachlorobenzene	21.37	284	562876	4.47	ug/L	94
5) EPTC	16.16	128	1122574	5.60	ug/L	98
6) 2,6-Dinitrotoluene	17.75	165	407755	4.13	ug/L	97
7) 2,4-Dinitotoluene	18.90	165	508392	4.19	ug/L	88
8) Molinate	19.08	126	1719439	5.99	ug/L	96
10) Simazine	21.91	201	414911	4.60	ug/L	95
11) Atrazine	22.04	200	729908	5.74	ug/L	99
12) Alachlor	23.89	160	704179	5.54	ug/L	95
13) Terbacil	22.87	117	375972	6.12	ug/L	90
14) Acetochlor	23.68	146	527691	5.53	ug/L	89
15) Metribuzin	23.72	198	441285	3.43	ug/L	97
16) Metolachlor	24.82	162	2081962	4.98	ug/L	99
17) Butachlor	26.65	160	608062	5.31	ug/L	96
18) 4,4'-DDE	27.28	246	565231	4.87	ug/L	97
22) Bis (2-Ethylhexyl) adipate	29.52	129	1326531	5.12	ug/L	94
23) Bis (2-Ethylhexyl) phthala	30.95	149	2357105	5.64	ug/L	97
24) Benzo (a) pyrene	34.15	252	1306181	3.50	ug/L	98

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

Data File : C:\MSDCHEM\1\DATA\052902\REFB0529.D Vial: 18
Acq On : 29 May 2002 4:11 pm Operator: Bohlk / Inst 213
Sample : REF2 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 3 15:52 2002 Quant Results File: 052802.RES

Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\REFA0529.D Vial: 17
Acq On : 29 May 2002 3:25 pm Operator: Bohlk / Inst 213
Sample : REF1 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 03 15:51:50 2002 Quant Results File: 052802.RES

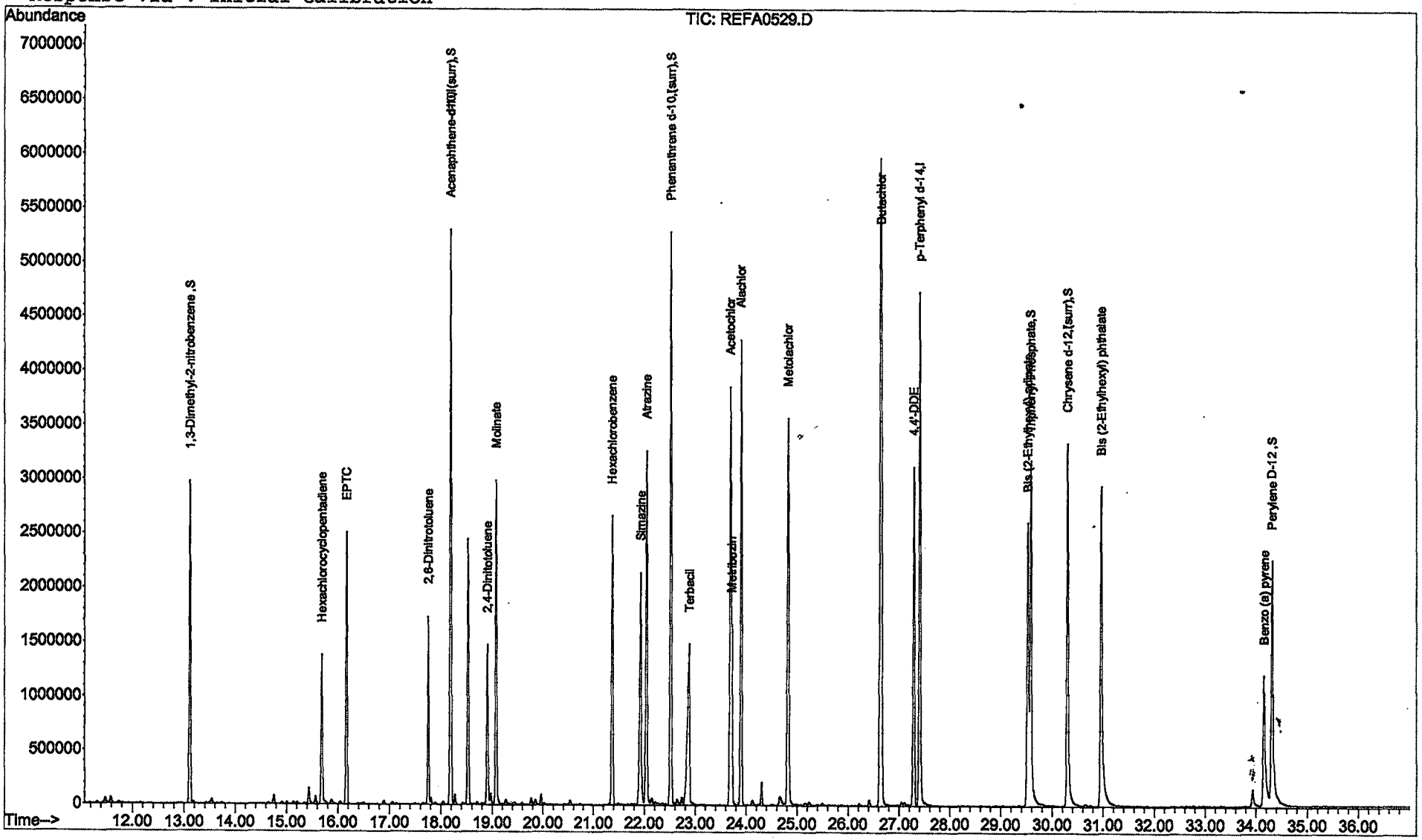
Quant Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration
DataAcq Meth : 052802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.19	164	2497939	5.00	ug/L	0.00
9) Phenanthrene d-10	22.51	188	3797879	5.00	ug/L	0.00
19) Chrysene d-12	30.30	240	2545292	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.39	244	2754451	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.11	134	703848	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery	= 100.40%		
20) Triphenyl Phosphate	29.57	326	631552	5.84	ug/L	0.00
Spiked Amount 5.000			Recovery	= 116.80%		
21) Perylene D-12	34.31	264	1586484	4.68	ug/L	0.00
Spiked Amount 5.000			Recovery	= 93.60%		
26) Acenaphthene d-10 (surr)	18.19	164	2497939	4.08	ug/L	0.00
Spiked Amount 5.000			Recovery	= 81.60%		
27) Phenanthrene d-10 (surr)	22.51	188	3797879	4.44	ug/L	0.00
Spiked Amount 5.000			Recovery	= 88.80%		
28) Chrysene d-12 (surr)	30.30	240	2545292	4.55	ug/L	0.00
Spiked Amount 5.000			Recovery	= 91.00%		
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	15.68	237	324271	4.71	ug/L	96
4) Hexachlorobenzene	21.37	284	643837	4.56	ug/L	95
5) EPTC	16.16	128	1269735	5.65	ug/L	99
6) 2,6-Dinitrotoluene	17.75	165	439039	4.00	ug/L	97
7) 2,4-Dinitotoluene	18.90	165	564521	4.16	ug/L	90
8) Molinate	19.08	126	1916906	5.96	ug/L	99
10) Simazine	21.92	201	474269	4.61	ug/L	98
11) Atrazine	22.04	200	831310	5.73	ug/L	98
12) Alachlor	23.89	160	814832	5.61	ug/L	95
13) Terbacil	22.88	117	437751	6.22	ug/L	93
14) Acetochlor	23.68	146	596671	5.48	ug/L	93
15) Metribuzin	23.72	198	519788	3.52	ug/L	99
16) Metolachlor	24.82	162	2456127	5.14	ug/L	99
17) Butachlor	26.65	160	717859	5.49	ug/L	95
18) 4,4'-DDE	27.28	246	670411	5.07	ug/L	94
22) Bis (2-Ethylhexyl) adipate	29.52	129	1587605	5.01	ug/L	95
23) Bis (2-Ethylhexyl) phthala	30.96	149	2719219	5.34	ug/L	99
24) Benzo (a) pyrene	34.15	252	1263276	2.85	ug/L	97

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

Data File : C:\MSDCHEM\1\DATA\052902\REFA0529.D Vial: 17
Acq On : 29 May 2002 3:25 pm Operator: Bohlk / Inst 213
Sample : REF1 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 3 15:51 2002 Quant Results File: 052802.RES

Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration



REFA0529.D 052802.M Mon Jun 03 15:52:01 2002

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\REFC0529.D Vial: 27
Acq On : 30 May 2002 2:51 am Operator: Bohlk / Inst 213
Sample : REF3 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 03 15:53:48 2002 Quant Results File: 052802.RES

Quant Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration
DataAcq Meth : 052802

used ascorbic acid instead of Sodium sulfite

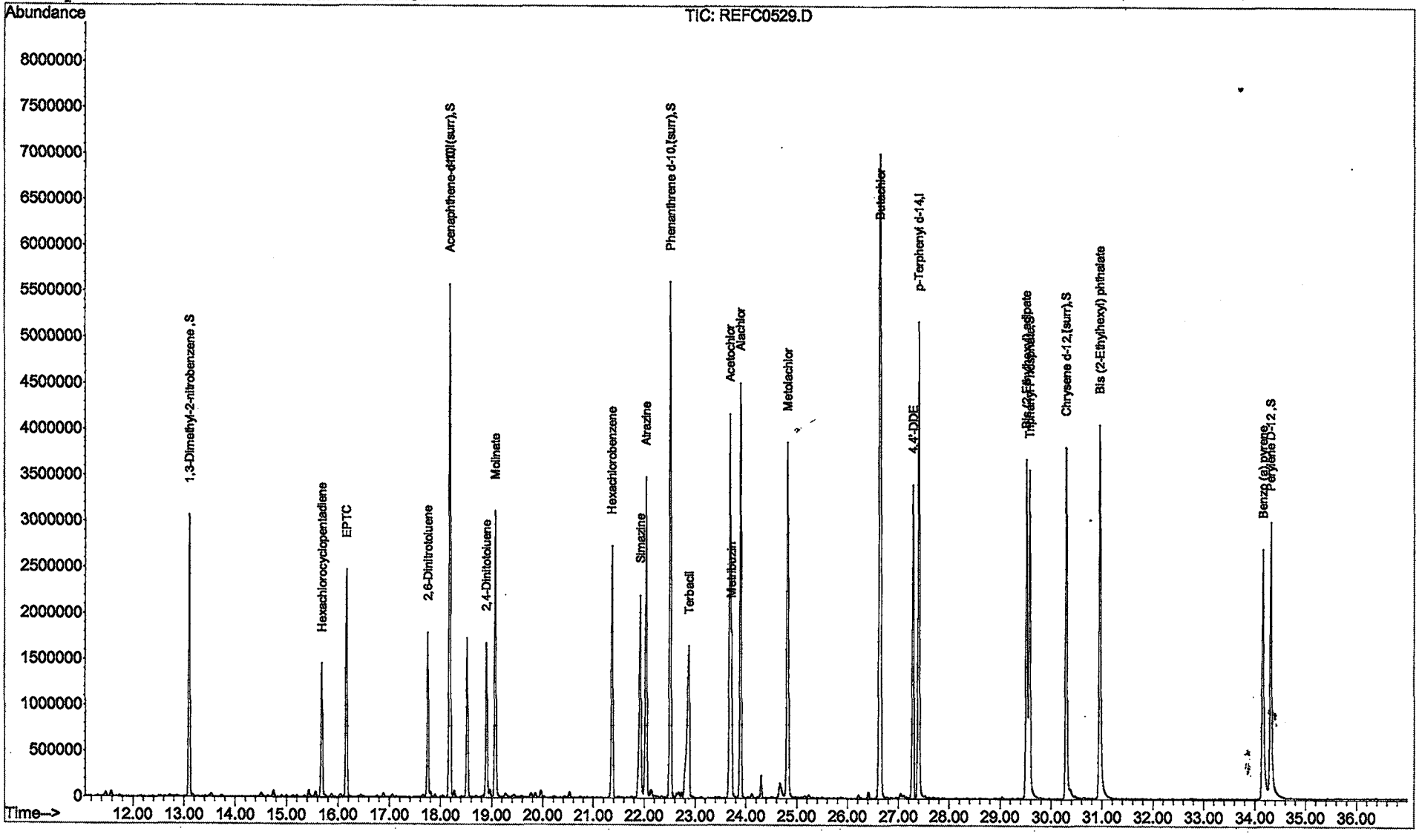
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.19	164	2850857	5.00	ug/L	0.00
9) Phenanthrene d-10	22.51	188	4301363	5.00	ug/L	0.00
19) Chrysene d-12	30.30	240	2873718	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.39	244	3205360	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.11	134	810218	5.07	ug/L	0.00
Spiked Amount 5.000			Recovery	=	101.40%	
20) Triphenyl Phosphate	29.57	326	713005	5.84	ug/L	0.00
Spiked Amount 5.000			Recovery	=	116.80%	
21) Perylene D-12	34.30	264	1946721	5.08	ug/L	0.00
Spiked Amount 5.000			Recovery	=	101.60%	
26) Acenaphthene d-10 (surr)	18.19	164	2850857	4.00	ug/L	0.00
Spiked Amount 5.000			Recovery	=	80.00%	
27) Phenanthrene d-10 (surr)	22.51	188	4301363	4.32	ug/L	0.00
Spiked Amount 5.000			Recovery	=	86.40%	
28) Chrysene d-12 (surr)	30.30	240	2873718	4.41	ug/L	0.00
Spiked Amount 5.000			Recovery	=	88.20%	
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	15.68	237	405058	5.07	ug/L	97
4) Hexachlorobenzene	21.37	284	700047	4.34	ug/L	95
5) EPTC	16.16	128	1452433	5.66	ug/L	98
6) 2,6-Dinitrotoluene	17.75	165	566060	4.41	ug/L	96
7) 2,4-Dinitotoluene	18.89	165	713932	4.51	ug/L	97
8) Molinate	19.08	126	2190666	5.96	ug/L	96
10) Simazine	21.92	201	559966	4.79	ug/L	99
11) Atrazine	22.04	200	953636	5.80	ug/L	97
12) Alachlor	23.89	160	927200	5.64	ug/L	95
13) Terbacil	22.88	117	543249	6.71	ug/L	93
14) Acetochlor	23.68	146	676229	5.48	ug/L	87
15) Metribuzin	23.72	198	635495	3.76	ug/L	99
16) Metolachlor	24.82	162	2781192	5.14	ug/L	100
17) Butachlor	26.64	160	836308	5.64	ug/L	98
18) 4,4'-DDE	27.28	246	739524	4.93	ug/L	95
22) Bis (2-Ethylhexyl) adipate	29.51	129	1929838	5.32	ug/L	95
23) Bis (2-Ethylhexyl) phthala	30.95	149	3287056	5.67	ug/L	99
24) Benzo (a) pyrene	34.15	252	2475306	4.61	ug/L	97

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\REFC0529.D Vial: 27
Acq On : 30 May 2002 2:51 am Operator: Bohlk / Inst 213
Sample : REF3 5/23/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 3 15:53 2002 Quant Results File: 052802.RES

Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\REFXXX5.D Vial: 19
Acq On : 29 May 2002 4:59 pm Operator: Bohlk / Inst 213
Sample : REF2 DIL 1 TO 5 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 03 15:54:45 2002 Quant Results File: 052802.RES

Quant Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration
DataAcq Meth : 052802

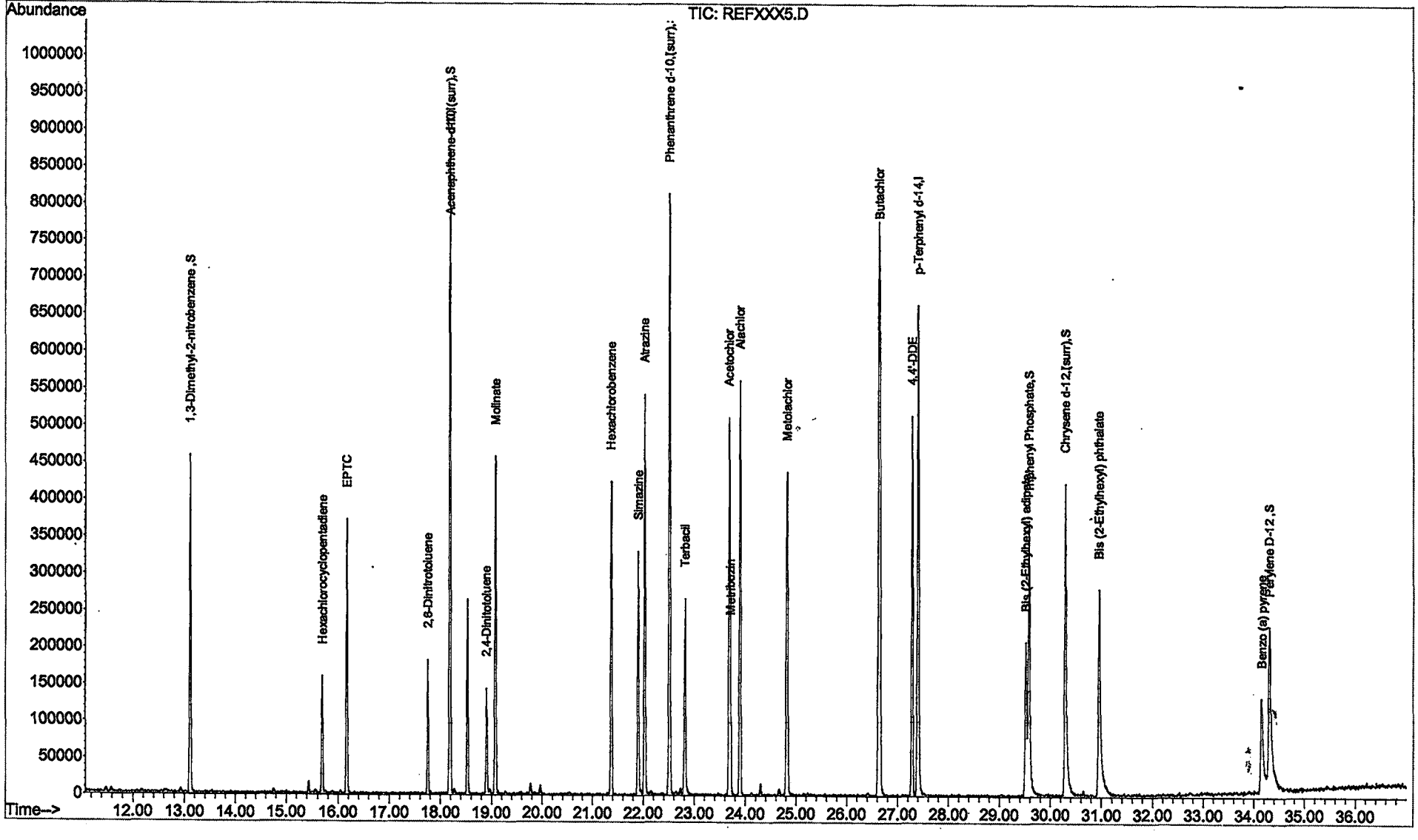
Ref B
d10
1-D5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.19	164	378802	5.00	ug/L	0.00
9) Phenanthrene d-10	22.50	188	591856	5.00	ug/L	0.00
19) Chrysene d-12	30.29	240	351498	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.39	244	443541	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.11	134	101358	4.77	ug/L	0.00
Spiked Amount 5.000			Recovery = 95.40%			
20) Triphenyl Phosphate	29.57	326	78165	5.23	ug/L	0.00
Spiked Amount 5.000			Recovery = 104.60%			
21) Perylene D-12	34.31	264	210954	4.50	ug/L	0.00
Spiked Amount 5.000			Recovery = 90.00%			
26) Acenaphthene d-10 (surr)	18.19	164	378802	3.84	ug/L	0.00
Spiked Amount 5.000			Recovery = 76.80%			
27) Phenanthrene d-10 (surr)	22.50	188	591856	4.30	ug/L	0.00
Spiked Amount 5.000			Recovery = 86.00%			
28) Chrysene d-12 (surr)	30.29	240	351498	3.90	ug/L	0.00
Spiked Amount 5.000			Recovery = 78.00%			
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	15.68	237	36276	3.72	ug/L	97
4) Hexachlorobenzene	21.37	284	106233	4.96	ug/L	91
5) EPTC	16.16	128	185903	5.46	ug/L	99
6) 2,6-Dinitrotoluene	17.75	165	40365	2.76	ug/L	89
7) 2,4-Dinitotoluene	18.89	165	47775	2.75	ug/L	98
8) Molinate	19.08	126	292761	6.00	ug/L	95
10) Simazine	21.90	201	58995	3.76	ug/L	93
11) Atrazine	22.02	200	121957	5.39	ug/L	98
12) Alachlor	23.89	160	117555	5.20	ug/L #	36
13) Terbacil	22.81	117	45826	4.55	ug/L	96
14) Acetochlor	23.67	146	73545	4.33	ug/L	89
15) Metribuzin	23.71	198	47510	2.30	ug/L	89
16) Metolachlor	24.82	162	312968	4.25	ug/L	98
17) Butachlor	26.64	160	83498	4.16	ug/L	99
18) 4,4'-DDE	27.28	246	96014	4.66	ug/L	92
22) Bis (2-Ethylhexyl) adipate	29.51	129	135075	3.45	ug/L	91
23) Bis (2-Ethylhexyl) phthala	30.95	149	308092	4.50	ug/L	96
24) Benzo (a) pyrene	34.15	252	175356	2.87	ug/L	94

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

Data File : C:\MSDCHEM\1\DATA\052902\REFXXX5.D Vial: 19
Acq On : 29 May 2002 4:59 pm Operator: Bohlk / Inst 213
Sample : REF2 DIL 1 TO 5 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 3 15:54 2002 Quant Results File: 052802.RES

Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\REFXXX25.D Vial: 20
Acq On : 29 May 2002 5:45 pm Operator: Bohlk / Inst 213
Sample : REF2 DIL 1 TO 25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 03 15:55:22 2002 Quant Results File: 052802.RES

Quant Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration
DataAcq Meth : 052802

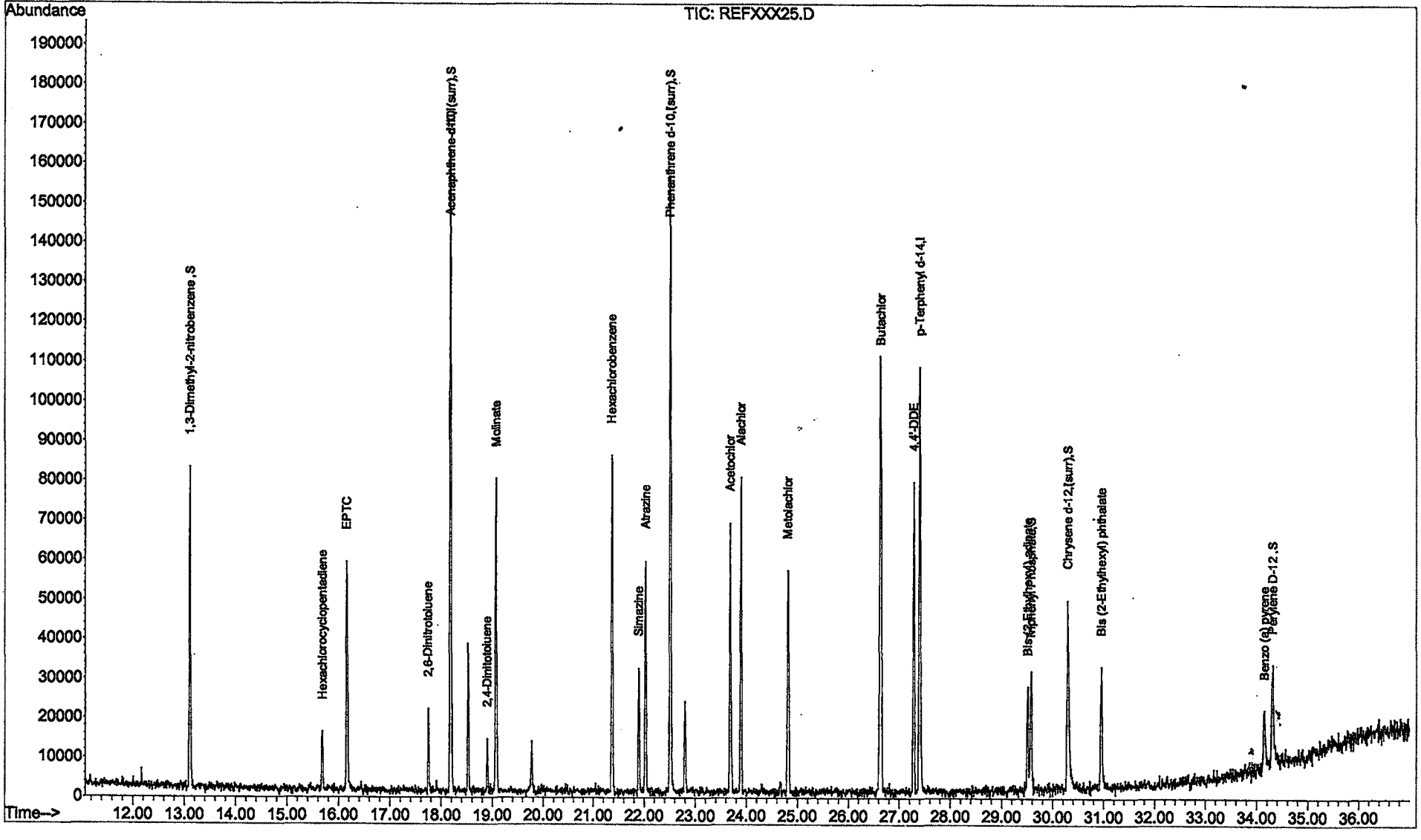
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Acenaphthene-d10	18.19	164	77336	5.00	ug/L	0.00
9) Phenanthrene d-10	22.50	188	121026	5.00	ug/L	0.00
19) Chrysene d-12	30.29	240	50304	5.00	ug/L	0.00
25) p-Terphenyl d-14	27.39	244	80369	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,3-Dimethyl-2-nitrobenzen	13.11	134	18450	4.25	ug/L	0.00
Spiked Amount 5.000			Recovery = 85.00%			
20) Triphenyl Phosphate	29.57	326	8534	3.99	ug/L	0.00
Spiked Amount 5.000			Recovery = 79.80%			
21) Perylene D-12	34.30	264	19173	2.86	ug/L	0.00
Spiked Amount 5.000			Recovery = 57.20%			
26) Acenaphthene d-10 (surr)	18.19	164	77336	4.33	ug/L	0.00
Spiked Amount 5.000			Recovery = 86.60%			
27) Phenanthrene d-10 (surr)	22.50	188	121026	4.85	ug/L	0.00
Spiked Amount 5.000			Recovery = 97.00%			
28) Chrysene d-12 (surr)	30.29	240	50304	3.08	ug/L	0.00
Spiked Amount 5.000			Recovery = 61.60%			
Target Compounds						Qvalue
3) Hexachlorocyclopentadiene	15.68	237	5482	3.00	ug/L	92
4) Hexachlorobenzene	21.37	284	23394	5.35	ug/L	91
5) EPTC	16.16	128	35628	5.12	ug/L	96
6) 2,6-Dinitrotoluene	17.75	165	5594	2.14	ug/L	94
7) 2,4-Dinitotoluene	18.89	165	4725	1.83	ug/L #	75
8) Molinate	19.08	126	53988	5.42	ug/L	95
10) Simazine	21.90	201	7613	2.52	ug/L	97
11) Atrazine	22.02	200	15960	3.45	ug/L	87
12) Alachlor	23.89	160	17119	3.70	ug/L #	36
13) Terbacil	0.00	117	0	N.D.		
14) Acetochlor	23.67	146	9923	2.86	ug/L	84
15) Metribuzin	0.00	198	0	N.D.		
16) Metolachlor	24.82	162	44434	3.04	ug/L	96
17) Butachlor	26.64	160	9366	2.41	ug/L #	65
18) 4,4'-DDE	27.28	246	18810	4.46	ug/L	90
22) Bis (2-Ethylhexyl) adipate	29.51	129	12765	2.60	ug/L	86
23) Bis (2-Ethylhexyl) phthala	30.95	149	25449	2.89	ug/L	92
24) Benzo (a) pyrene	34.15	252	15661	1.96	ug/L	86

Ref B
dil
1 -> 25

(#) = qualifier out of range (m) = manual integration
REFXXX25.D 052802.M Mon Jun 03 15:55:44 2002 Page 1

Data File : C:\MSDCHEM\1\DATA\052902\REFXXX25.D Vial: 20
Acq On : 29 May 2002 5:45 pm Operator: Bohlk / Inst 213
Sample : REF2 DIL 1 TO 25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 3 15:55 2002 Quant Results File: 052802.RES

Method : C:\MSDCHEM\1\5973N\052802.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Jun 03 15:34:22 2002
Response via : Initial Calibration



Comments for Sample AE11911 - Analysis $525

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-05-2002 Time: 15:02:14

The result for bis(2-Ethylhexyl)phthalate in the Laboratory Blank was 0.84 ug/l. A portion or all of the amount reported in this sample (1.2 ug/l) may be due to laboratory contamination. The recovery for 1 of the 18 compounds in the LCS Standard was low at 68%, instead of 70%.