

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 01/02/2002 Time: 09:47:31

Sample: AD26829
Analysis: \$M_525 Organic Chemicals - 525.2; mdl
Units: ug
Started: 11/9/01 09:37 Ended: 11/29/01 09:37 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		0.074		0.10
2	Hexachlorobenzene		0.25		0.10
3	Simazine		0.054		0.07
4	Atrazine		0.15		0.10
5	Alachlor		0.27		0.20
6	bis(2-Ethylhexyl)adipate		0.16		0.60
7	bis(2-Ethylhexyl)phthalate		0.39		0.60
8	Benzo(a)pyrene		0.12		0.20
9	EPTC		1.3		1.0
10	2,6-Dinitrotoluene		2.3		2.0
11	2,4-Dinitrotoluene		2.3		2.0
12	Molinate		1.5		0.90
13	Terbacil		1.9		2.0
14	Acetochlor		2.4		2.0
15	Metribuzin		0.19		0.15
16	Metolachlor		0.26		0.75
17	Butachlor		0.29		0.40
18	4,4-DDE		0.91		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		5.2		
20	Surr_Triphenyl phosphate		4.5		
21	Surr_Perylene-d12		5.4		

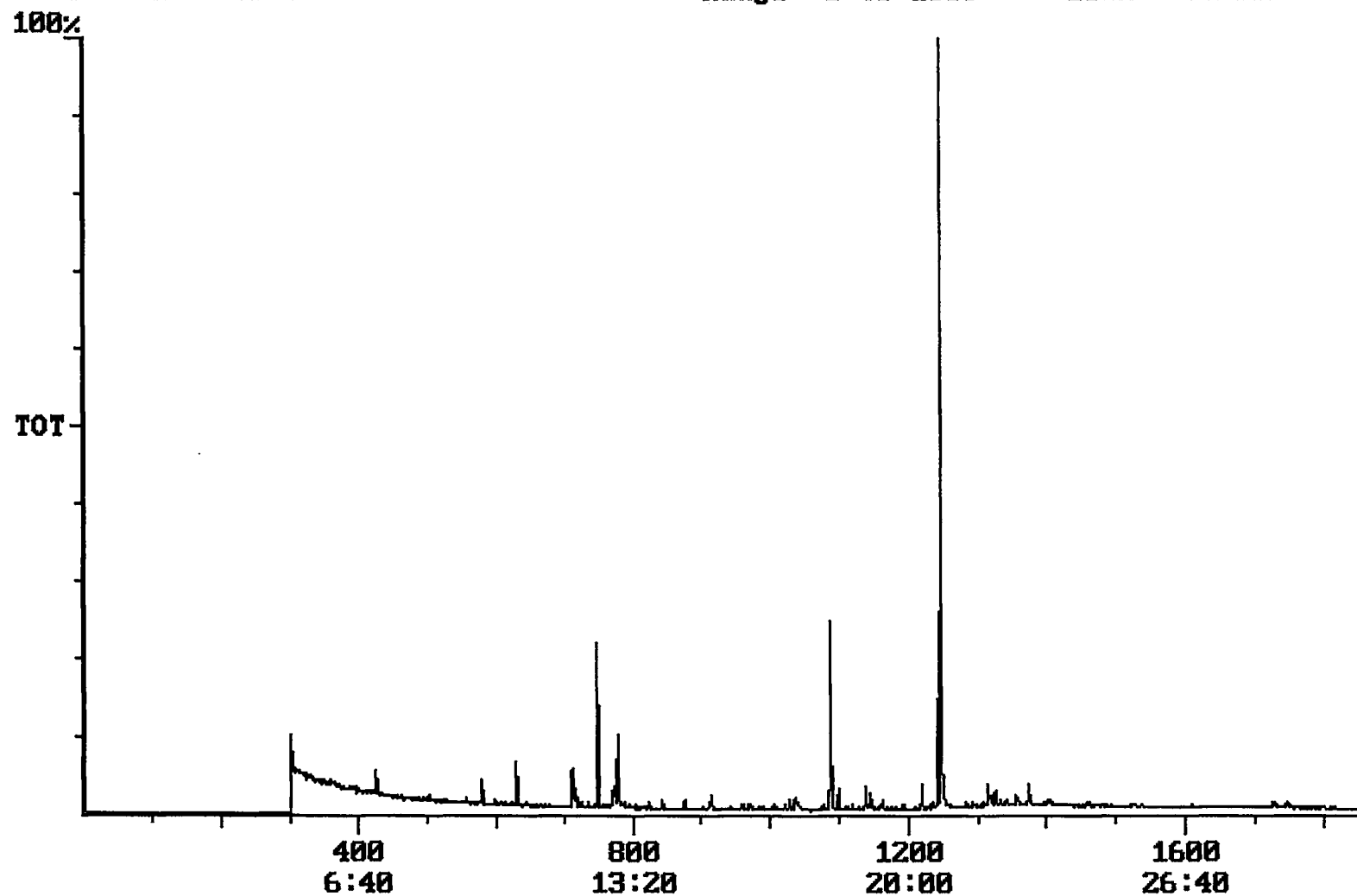
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omitted

User: Bohlk, Ted
 Westchester Dept. of Labs & Research
 Date: 01/02/2002 Time: 09:48:02

Sample: AD26829
 Analysis: \$MR525 Organic Chemicals - 525.2; mdl
 Units: ug
 Started: 11/9/01 09:47 Ended: 11/29/01 09:47 Analyst: TB
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Hexachlorocyclopentadiene		37		0.10
2	Hexachlorobenzene		125		0.10
3	Simazine	LSPEC	27		0.07
4	Atrazine	LWARN	75		0.10
5	Alachlor		135		0.20
6	bis(2-Ethylhexyl)adipate		80		0.60
7	bis(2-Ethylhexyl)phthalate	UWARN	195		0.60
8	Benzo(a)pyrene		60		0.20
9	EPTC	USPEC	144.4444		1.0
10	2,6-Dinitrotoluene		115		2.0
11	2,4-Dinitrotoluene		115		2.0
12	Molinate	USPEC	150		0.90
13	Terbacil		95		2.0
14	Acetochlor		120		2.0
15	Metribuzin		95		0.15
16	Metolachlor		130		0.75
17	Butachlor	USPEC	145		0.40
18	4,4-DDE		113.75		0.80
19	Surr_1,3-Dimethyl-2-nitrobenze		104		
20	Surr_Triphenyl phosphate		90		
21	Surr_Perylene-d12		108		

Chromatogram Plot File: E:\MDLA1129 Date: Nov-29-1991 19:30:59
Comment: BOHLK; METHOD 525; INST 204; 11/29/01; MDL
Scan No: 1 Retention Time: 0:01 RIC: 0 Mass Range: 0 - 0
Plotted: 1 to 1859 Range: 1 to 1859 100% = 5321046



Integration Report Quanfile: MDLA1129
 Comment: BOHLK; METHOD 525; INST 204; 11/29/01; MDL
 Sorted via: Entry Number ↑

Quan Entries: 21

No	Name of Compound	R Time	Scan#	Mode	Peak Area	Pk Height
1	acenaphthene d-10(IS)	12:13	733	Auto	956	956
2	p-terphenyl d-14(IS)	20:47	1247	Auto	2,861,183	1,528,083
3	acenaphthene d-10(SURR)	12:13	733	Auto	956	956
4	hexachlorocyclopentadi	10:04	604	Auto	3,653	2,077
5	hexachlorobenzene	15:14	914	Auto	26,806	11,102
6	simazine	16:03	963	Auto	3,104	1,105
7	atrazine	16:10	970	Auto	7,301	3,057
8	alachlor	18:19	1099	Auto	26,156	14,424
9	bis(2-ethylhexyl)adipa	21:54	1314	Auto	38,732	10,042
10	bis(2-ethylhexyl)phtha	22:53	1373	Auto	153,964	45,795
11	benzo(a)pyrene	26:40	1600	Auto	26,686	2,676
12	eptc	10:29	629	Auto	502,305	288,744
13	2,6-dinitrotoluene	11:52	712	Auto	128,817	32,740
14	2,4-dinitrotoluene	12:53	773	Auto	149,915	20,893
15	molinate	12:58	778	Auto	196,807	110,686
16	terbacil	17:16	1036	Auto	100,548	17,870
17	acetochlor	18:07	1087	Auto	166,644	93,880
18	metribuzin	18:10	1090	Auto	21,491	7,831
19	metolachlor	19:04	1144	Auto	76,049	29,201
20	butachlor	20:19	1219	Auto	27,465	17,495
21	4,4'-dde	20:42	1242	Auto	119,598	79,161

For calculating MDLA#29 Recoveries

TB

Avg area counts for LBA#29 + REFA#12

acenaphthene	899898
phenanthrene	1474587
chrysene	1188856
dimethyl nitrobenzene	558465
triphenyl phosphato.	596582
pyrene	747600

RF's

~~based on LBA#29 + REFA#12~~

TB
12/31/01

dimethyl nitrobenzene	0.599
triphenyl phosphato	0.5521
pyrene at 12	0.577

HCCP (1)	0.276
HOB (1)	0.585
Sm (2)	0.194
atr (2)	0.167
ala (2)	0.333
adip (3)	1.000
phth (3)	1.681
BAP (3)	0.949
EPIC (1)	2.134

2,6-dinitro (1)	0.306
2,4- " (1)	0.370
malinate (1)	0.756
terb (2)	0.181
acetocho (2)	0.238
metribury (2)	0.385
meto (2)	0.984
bus (2)	0.31
DDE (2)	0.444

Estimated Cone's

TB

MDLA 1129

the IS's + surrogates were not present,
 $\therefore$ used the avg. area counts of the
 LB + MDL for these compds.

$$C = \frac{(A_x)(IS_c)}{(A_{IS})(RF)} =$$

$$HCB = \frac{(3653)(5)}{(899898)(0.276)} = 0.074 \text{ mg/L}$$

$$HCB = 0.25$$

$$DDE = 0.91$$

$$Sum = 0.054$$

$$atr = 0.15$$

$$ala = 0.27$$

$$adip = 0.16$$

$$phth = 0.39$$

$$BAP = 0.12$$

$$EPTC = 1.3$$

$$2,6\text{-Dinitro} = 2.3$$

$$2,4\text{-Dinitro} = 2.3$$

$$molinate = 1.5$$

$$terb = 1.9$$

$$aceto = 2.4$$

$$metribuzin = 0.19$$

$$meta = 0.26$$

$$but = 0.29$$

$$\text{dimethylnitro (surv)} = 5.2$$

$$\text{triphenylphos} = 4.5$$

$$\text{perylene} = 5.4$$