

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 12/01/2001 Time: 12:52:21

Sample: AD25041
Analysis: \$B1525 Organic Chemicals - 525.2; lab blank
Units: ug
Started: 10/25/01 12:48 Ended: 11/9/01 12:48 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		0.07
4	Atrazine		< MDL		0.10
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-nitrobenzen		5.1		
20	Surr_Triphenyl phosphate		5.6		
21	Surr_Perylene-d12 X		1.5		

→ flag.

Chromatogram Plot

File: C:\LBA1109

Date: Nov-09-1991 19:25:32

Comment: BOHLK; METHOD 525; INST 204; 11/09/01; LB

Scan No: 1

Retention Time: 0:01

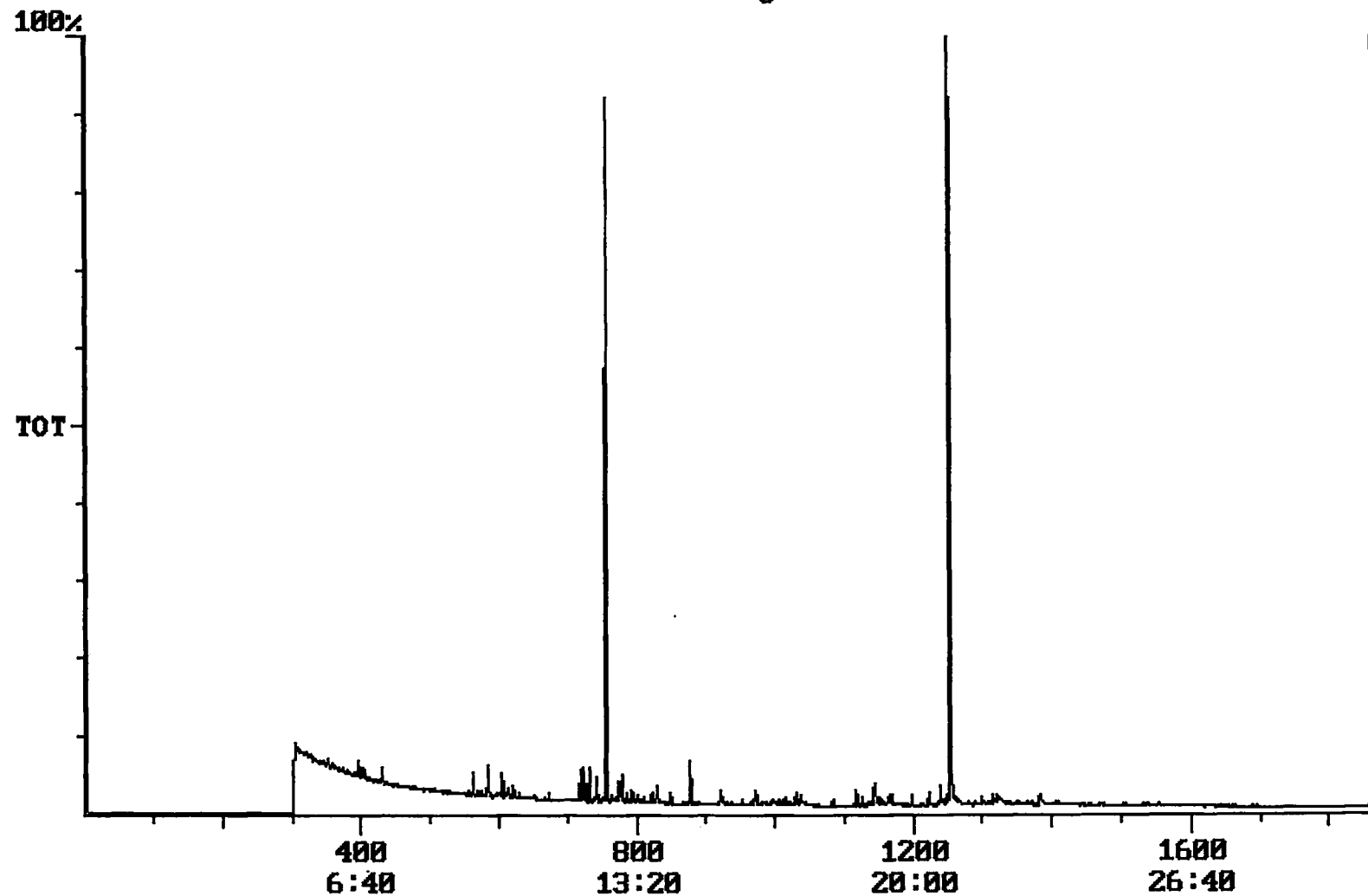
RIC: 0

Mass Range: 0 - 0

Plotted: 1 to 1860

Range: 1 to 1860

100% = 4838387



Integration Report Quanfile: LBA1109
Comment: BOHLK; METHOD 525; INST 204; 11/09/01; LB
Sorted via: Entry Number ↑

Quan Entries: 5

No	Name of Compound	R Time	Scan#	Mode	Peak Area	Pk Height
1	p-terphenyl d-14(IS)	20:52	1252	Auto	3,267,611	1,595,515
2	bis(2-ethylhexyl)adipa	22:01	1321	Auto	26,703	2,453
3	bis(2-ethylhexyl)phtha	23:02	1382	Auto	129,346	21,719
4	2,6-dinitrotoluene	11:59	719	Auto	44,727	25,258
5	butachlor	20:30	1230	Auto	0	0

Internal Standards Report
acenaphthene d-10(SURR)
Sorted via: Entry Order ↑

Filename: 011103
Compound: 5 of 28
Units: UG/L

Quan Mass: 164
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	2,169,891	2,910,241	5.000	5.000	0.745

Internal Standards Report
phenanthrene d-10(SURR)
Sorted via: Entry Order ↑

Filename: 011103
Compound: 6 of 28
Units: UG/L

Quan Mass: 188
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	3,262,741	2,910,241	5.000	5.000	1.121

Internal Standards Report
chrysene d-12 (SURR)
Sorted via: Entry Order ↑

Filename: 011103
Compound: 7 of 28
Units: UG/L

Quan Mass: 240
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	2,348,944	2,910,241	5.000	5.000	0.807

Internal Standards Report
1,3-dimethyl-2-nitrobenzene
Sorted via: Entry Order ↑

Filename: 011103
Compound: 8 of 28
Units: UG/L

Quan Mass: 79
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	1,346,812	2,169,891	5.000	5.000	0.620

Internal Standards Report
triphenyl phosphate (SURR)
Sorted via: Entry Order ↑

Filename: 011103
Compound: 9 of 28
Units: UG/L

Quan Mass: 326
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	1,547,007	2,348,944	5.000	5.000	0.658

Internal Standards Report
perylene d-12 (SURR)
Sorted via: Entry Order ↑

Filename: 011103
Compound: 10 of 28
Units: UG/L

Quan Mass: 264
Cali Pnts: 1
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-07-91	1,593,824	2,348,944	5.000	5.000	0.678

LB

LB A1109

The Internal stds (except p-terphenyl d-14) and Surrogates were not added to the LB. Therefore, the computer could not calculate their conc's in the LB.

"Estimated" conc's for the IS's and Surrogates were calculated.

The area counts of the IS's and Surrogates in the MDL and Ref std were averaged. These avg. areas were used as the areas for the IS's and Surrogates in the LB.

The data and calculations used to determine the "estimated" IS + Surrogates are as follows:

NYC-WTC_000029189

for LBA1109

$$C_x = \frac{(A_x)(R_{fs})}{(A_{fs})(RF)} =$$

$$\text{acenaphthene d-10} = \frac{(1815335)(5)}{(3267611)(0.745)} = 3.7$$

$$\text{phenanthrene d-10} = \frac{(2689309)(5)}{(3267611)(1.121)} = 3.7$$

TB 12/1/07

$$\text{Chrysene d-12} = \frac{(2103140)(5)}{(3267611)(0.807)} = 4.0$$

$$\text{dimethyl nitrobenzene} = \frac{(1146401)(5)}{(1815335)(0.620)} = 5.1$$

$$\text{triphenyl phosphate} = \frac{(1658771)(5)}{(2269527)(0.658)} = 5.6$$

$$\text{perylene d-12} = \frac{(454785)(5)}{(2269527)(0.678)} = 1.5$$

Internal Standards Report
 bis(2-ethylhexyl)adipate
 Sorted via: Entry Order ↑

Filename: 011103
 Compound: 16 of 28
 Units: µg/L

Quan Mass: 111
 Cali Pnts: 7
 (S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-06-91	137,628	2,393,663	0.500	5.000	0.574
2	Nov-06-91	254,625	2,571,647	1.000	5.000	0.495
3	Nov-06-91	538,399	2,385,468	2.000	5.000	0.564
4	Nov-06-91	2,624,654	2,606,166	10.000	5.000	0.503
5	Nov-06-91	3,353,145	2,716,720	12.500	5.000	0.493
6	Nov-07-91	1,368,120	2,539,697	5.000	5.000	0.538
7	Nov-07-91	25,038	2,348,944	0.100	5.000	0.532
$\bar{R}_F = 0.528$						

Internal Standards Report
bis(2-ethylhexyl)phthalate
Sorted via: Entry Order ↑

Filename: 011103
Compound: 17 of 28
Units: UG/L

Quan Mass: 149
Cali Pnts: 7
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-06-91	401,315	2,393,663	0.500	5.000	1.676
2	Nov-06-91	787,897	2,571,647	1.000	5.000	1.531
3	Nov-06-91	1,646,990	2,385,468	2.000	5.000	1.726
4	Nov-06-91	7,682,853	2,606,166	10.000	5.000	1.473
5	Nov-06-91	9,513,654	2,716,720	12.500	5.000	1.400
6	Nov-07-91	4,077,221	2,539,697	5.000	5.000	1.605
7	Nov-07-91	81,474	2,348,944	0.100	5.000	1.734
$\bar{R}_F =$						1.592

Internal Standards Report Filename: 011103
2,6-dinitrotoluene Compound: 20 of 28
Sorted via: Entry Order ↑ Units: UG/L
Quan Mass: 165
Cali Pnts: 6
(S) = Standard

No	Ent Date	Pk Area	Pk Ar(S)	Inj Amount	Inj Amt(S)	Resp(AR)
1	Nov-06-91	73,235	2,278,606	0.5000	5.0000	0.321
2	Nov-06-91	148,590	2,268,033	1.0000	5.0000	0.327
3	Nov-06-91	316,289	2,329,744	2.0000	5.0000	0.339
4	Nov-06-91	1,751,579	2,348,547	10.0000	5.0000	0.372
5	Nov-06-91	2,241,459	2,319,515	12.5000	5.0000	0.386
6	Nov-07-91	791,086	2,305,359	5.0000	5.0000	0.343
RF = 0.348						

LBA 1109

adipate

$$C = \frac{(26703)(5)}{(226952)(0.528)} = 0.11 \text{ mg/L}$$

phthalate

$$C = \frac{(129346)(5)}{(226952)(1.592)} = 0.18$$

dinitro + dione

$$C = \frac{(44727)(5)}{(1815335)(0.348)} = 0.35$$