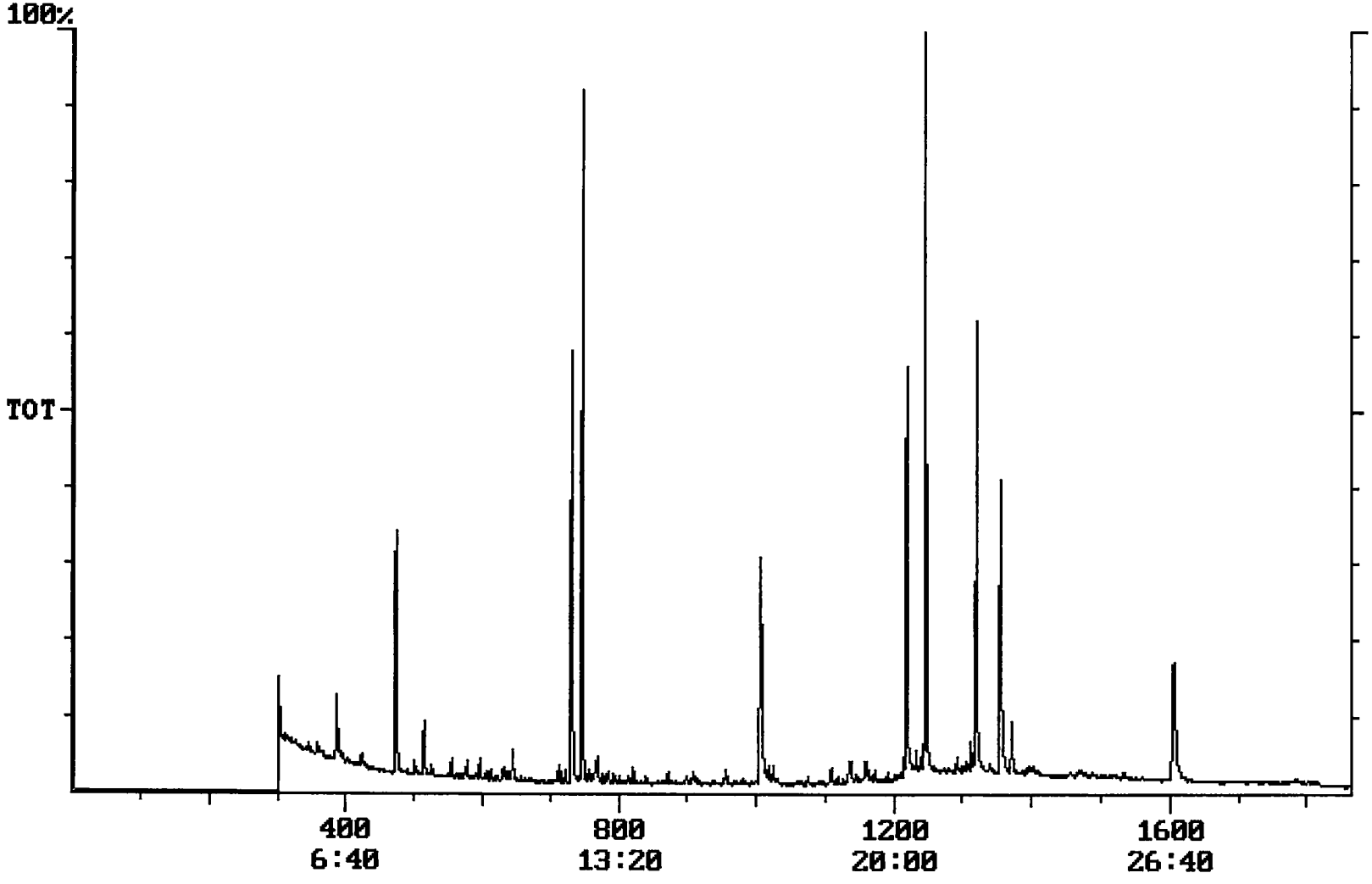
User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 01/08/2002 Time: 13:56:00

Sample: AD27638
Analysis: $525 Organic Chemicals - 525.2
Units: ug
Started: 11/24/01 13:34 Ended: 12/9/01 13:34 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-nitrobenzen | | 5.6 | | 1.0 |
| 20 | | | | | |
| 21 | Surr_Perylene-d12 | | 5.3 | | 1.0 |

Chromatogram Plot File: E:\27638AA Date: Dec-09-1991 12:21:13
Comment: BOHLK; METHOD 525; INST 204; 12/09/01; SAMPLE 27638
Scan No: 1 Retention Time: 0:01 RIC: 0 Mass Range: 0 - 0
Plotted: 1 to 1860 Range: 1 to 1860 100% = 4750485



Integration Report  Quanfile: 27638AA  Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/09/01; SAMPLE 27638
Sorted via: Entry Number ↑

| No | Name of Compound | R Time | Scan# | Mode | Peak Area | Pk Height |
|---|---|---|---|---|---|---|
| 1 | acenaphthene d-10(IS) | 12:11 | 731 | Auto | 1,194,055 | 629,143 |
| 2 | phenanthrene d-10 (IS) | 16:46 | 1006 | Auto | 1,712,968 | 463,780 |
| 3 | chrysene d-12(IS) | 22:34 | 1354 | Auto | 1,350,084 | 537,349 |
| 4 | p-terphenyl d-14(IS) | 20:45 | 1245 | Auto | 2,784,839 | 1,477,977 |
| 5 | acenaphthene d-10(SURR | 12:11 | 731 | Auto | 1,194,055 | 629,143 |
| 6 | phenanthrene d-10(SURR | 16:46 | 1006 | Auto | 1,712,968 | 463,780 |
| 7 | chrysene d-12 (SURR) | 22:34 | 1354 | Auto | 1,350,084 | 537,349 |
| 8 | 1,3-dimethyl-2-nitrobe | 7:53 | 473 | Auto | 629,194 | 246,511 |
| 9 | triphenyl phosphate (S | 22:00 | 1320 | Auto | 864,659 | 342,545 |
| 10 | perylene d-12 (SURR) | 26:46 | 1606 | Auto | 1,045,500 | 181,940 |
| 11 | hexachlorobenzene | 15:12 | 912 | Auto | 3,753 | 1,504 |
| 12 | alachlor | 18:17 | 1097 | Auto | 3,187 | 2,119 |
| 13 | bis(2-ethylhexyl)adipa | 21:52 | 1312 | Auto | 23,247 | 7,530 |
| 14 | bis(2-ethylhexyl)phtha | 22:51 | 1371 | Auto | 194,722 | 87,531 |
| 15 | benzo(a)pyrene | 26:34 | 1594 | Auto | 5,078 | 1,507 |
| 16 | metolachlor | 19:03 | 1143 | Auto | 10,456 | 5,136 |
| 17 | butachlor | 20:18 | 1218 | Auto | 14,076 | 5,175 |
| 18 | 4,4'-dde | 20:41 | 1241 | Auto | 4,270 | 3,151 |

renewed IS/Surrs

Quantitation Report  Quanfile: 27638AA  Quan Entries: 18
Comment: BOHLK; METHOD 525; INST 204; 12/09/01; SAMPLE 27638
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 | 731 | 12:11 | BV | 5.000 | UG/L |
| 2 | phenanthrene d-10 (IS) | I | 1006 | 16:46 | BV | 5.000 | UG/L |
| 3 | chrysene d-12(IS) | I | 1354 | 22:34 | BV | 5.000 | UG/L |
| 4 | p-terphenyl d-14(IS) | I | 1245 | 20:45 | BB | 5.000 | UG/L |
| 5 | acenaphthene d-10(SURR | A | 731 | 12:11 | BV | 2.361 | UG/L |
| 6 | phenanthrene d-10(SURR | A | 1006 | 16:46 | BV | 2.646 | UG/L |
| 7 | chrysene d-12 (SURR) | A | 1354 | 22:34 | BV | 2.548 | UG/L |
| 8 | 1,3-dimethyl-2-nitrobe | A | 473 | 7:53 | BV | 5.647 | UG/L |
| 9 | triphenyl phosphate (S | A | 1320 | 22:00 | BB | 6.610 | UG/L |
| 10 | perylene d-12 (SURR) | A | 1606 | 26:46 | BB | 5.315 | UG/L |
| 12 | hexachlorobenzene | A | 912 | 15:12 | BB | 0.031 | UG/L |
| 15 | alachlor | A | 1097 | 18:17 | BB | 0.029 | UG/L |
| 16 | bis(2-ethylhexyl)adipa | A | 1312 | 21:52 | MM | 0.116 | UG/L |
| 17 | bis(2-ethylhexyl)phtha | A | 1371 | 22:51 | VB | 0.496 | UG/L |
| 18 | benzo(a)pyrene | A | 1594 | 26:34 | BB | 0.020 | UG/L |
| 26 | metolachlor | A | 1143 | 19:03 | BB | 0.033 | UG/L |
| 27 | butachlor | A | 1218 | 20:18 | BB | 0.091 | UG/L |
| 28 | 4,4'-dde | A | 1241 | 20:41 | BB | 0.029 | UG/L |

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\121201\27638.D Vial: 15
Acq On : 12 Dec 2001 10:21 pm Operator: McLean
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 12 22:58:40 2001 Quant Results File: 120501.RES

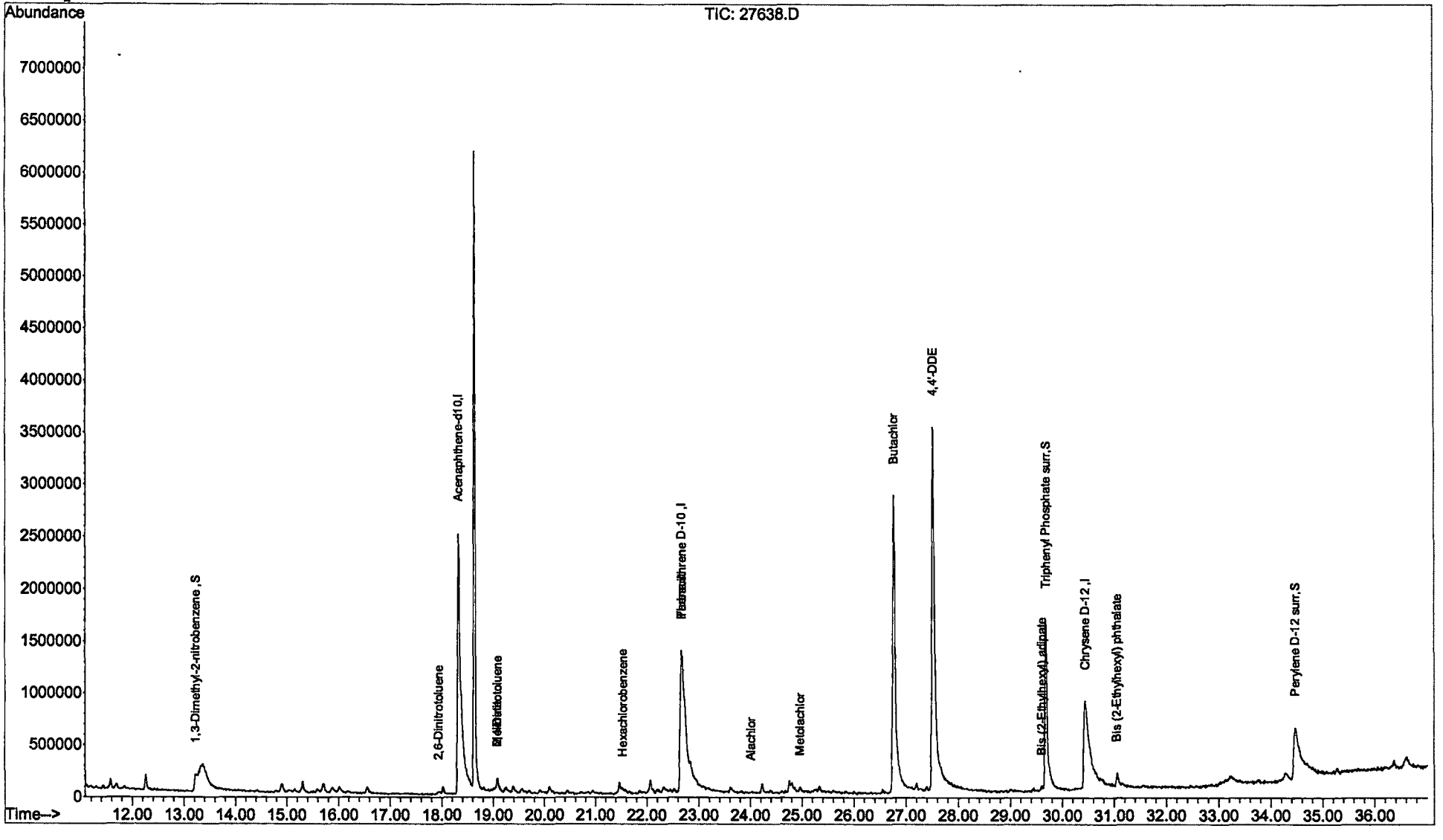
Quant Method : C:\MSDCHEM\1\5973N\120501.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Thu Dec 06 10:31:04 2001
Response via : Initial Calibration
DataAcq Meth : 120501

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Acenaphthene-d10 | 18.32 | 164 | 2892540 | 5.00 | ug/L | 0.00 |
| 9) Phenanthrene D-10 | 22.67 | 188 | 3961573 | 5.00 | ug/L | 0.03 |
| 20) Chrysene D-12 | 30.43 | 240 | 2271199 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,3-Dimethyl-2-nitrobenzen | 13.23 | 134 | 82834 | 0.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 10.80% | | | |
| 19) Triphenyl Phosphate surr | 29.69 | 326 | 602829 | 4.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 87.80% | | | |
| 21) Perylene D-12 surr | 34.47 | 264 | 1103900 | 3.46 | ug/L | 0.03 |
| Spiked Amount 5.000 | | | Recovery = 69.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 4) Hexachlorobenzene | 21.53 | 284 | 6702 | 0.03 | ug/L # | 29 |
| 5) EPTC | 0.00 | 128 | 0 | N.D. | | |
| 6) 2,6-Dinitrotoluene | 17.92 | 165 | 7638 | 0.30 | ug/L # | 30 |
| 7) 2,4-Dinitotoluene | 19.07 | 165 | 1534 | 0.29 | ug/L # | 21 |
| 8) Molinate | 19.08 | 126 | 5927 | 0.01 | ug/L # | 1 |
| 10) Simazine | 0.00 | 201 | 0 | N.D. | | |
| 11) Atrazine | 0.00 | 200 | 0 | N.D. | | |
| 12) Alachlor | 24.00 | 160 | 5964 | 0.04 | ug/L # | 36 |
| 13) Terbacil | 22.67 | 161 | 28052 | 0.17 | ug/L # | 1 |
| 14) Acetochlor | 0.00 | 146 | 0 | N.D. | | |
| 15) Metribuzin | 0.00 | 198 | 0 | N.D. | | |
| 16) Metolachlor | 24.95 | 162 | 12007 | 0.03 | ug/L | 97 |
| 17) Butachlor | 26.76 | 160 | 19740 | 0.12 | ug/L # | 43 |
| 18) 4,4'-DDE | 27.51 | 246 | 74344 | 0.45 | ug/L # | 23 |
| 22) Bis (2-Ethylhexyl) adipate | 29.62 | 129 | 12387 | 0.14 | ug/L # | 30 |
| 23) Bis (2-Ethylhexyl) phthala | 31.05 | 149 | 140707 | 0.41 | ug/L | 90 |
| 24) Benzo (a) pyrene | 0.00 | 252 | 0 | N.D. | | |

(#) = qualifier out of range (m) = manual integration
27638.D 121401.M Mon Dec 17 13:22:35 2001

Data File : C:\MSDCHEM\1\DATA\121201\27638.D Vial: 15
Acq On : 12 Dec 2001 10:21 pm Operator: McLean
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Dec 12 22:58 2001 Quant Results File: 120501.RES

Method : C:\MSDCHEM\1\5973N\121401.M (RTE Integrator)
Title : Quantitation For Method 525.2
Last Update : Mon Dec 17 11:15:46 2001
Response via : Initial Calibration



**Comments for Sample AD27638 - Analysis $525**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-22-2002 Time: 15:00:37

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The recovery for 1 of the 3 Surrogate Standards in this sample was above its acceptance range. The breakdown for Endrin in the Breakdown Standard was 68%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.