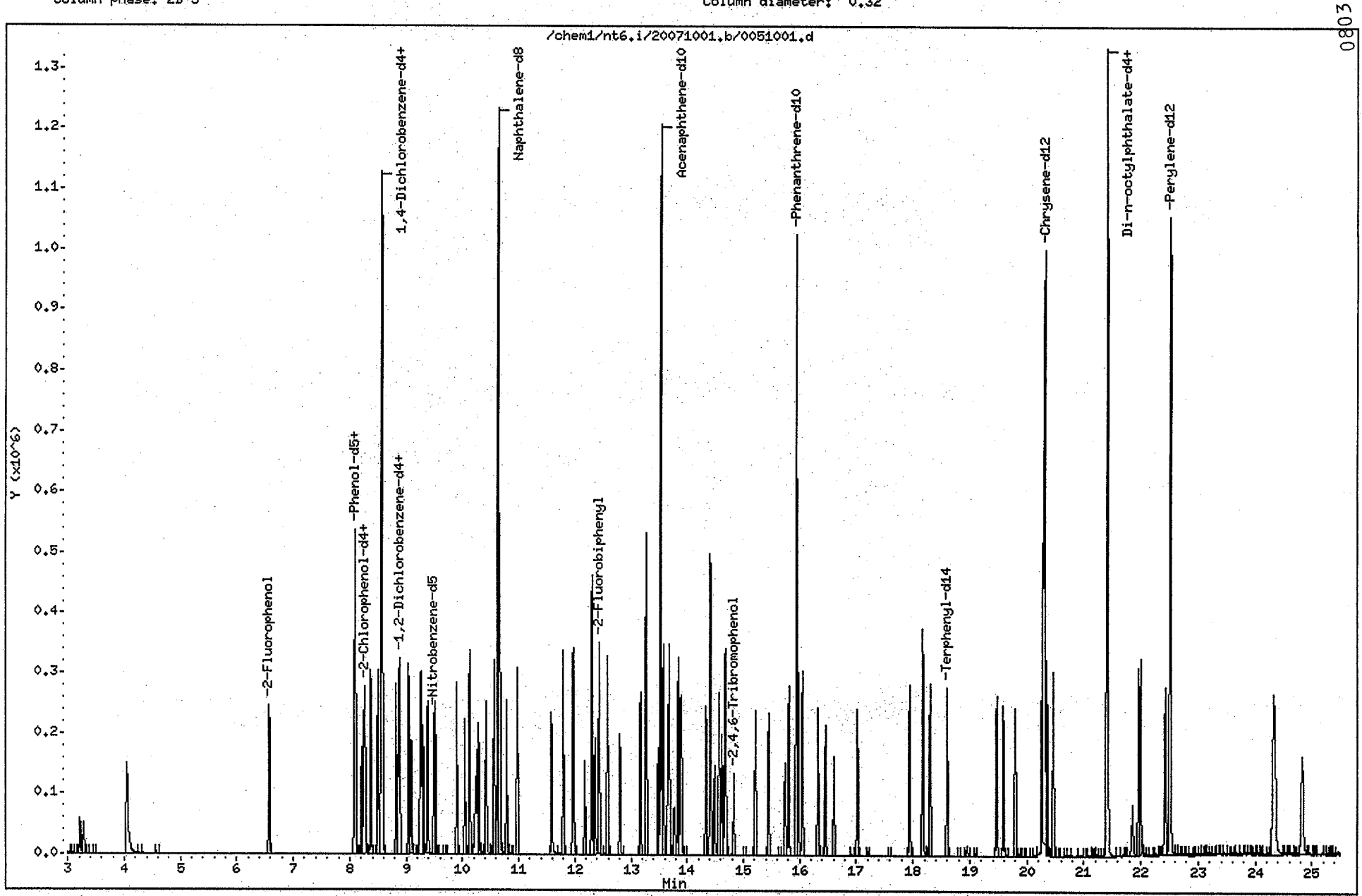
Data File: /chem1/nt6.i/20071001.b/0051001.d
Date : 01-OCT-2007 13:12
Client ID: ABN 5
Sample Info: ABN 5

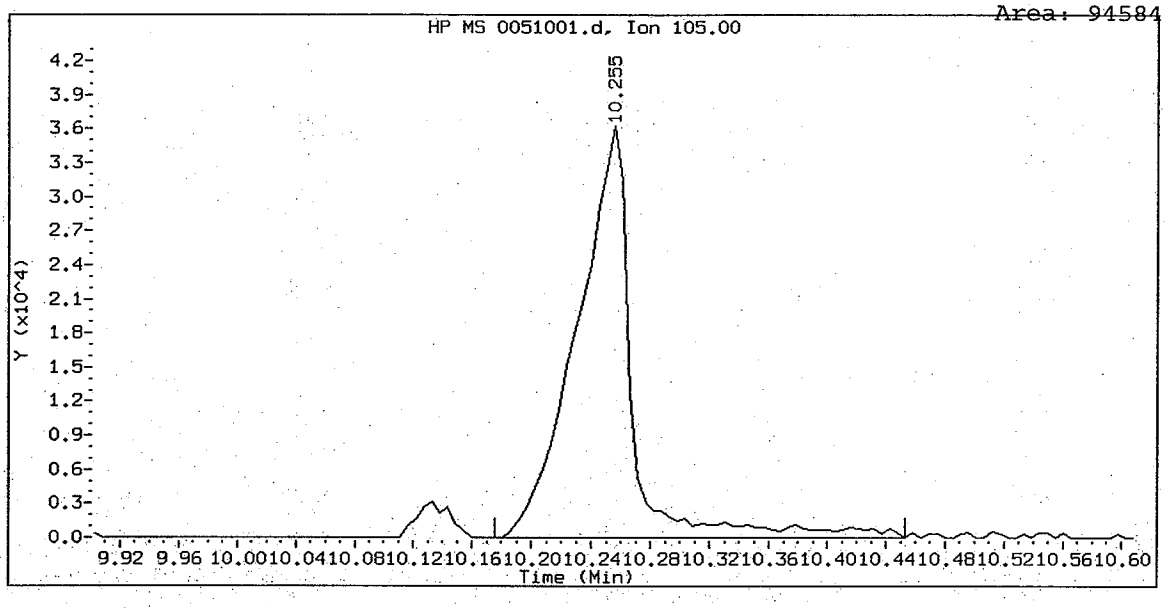
Column phase: ZB-5

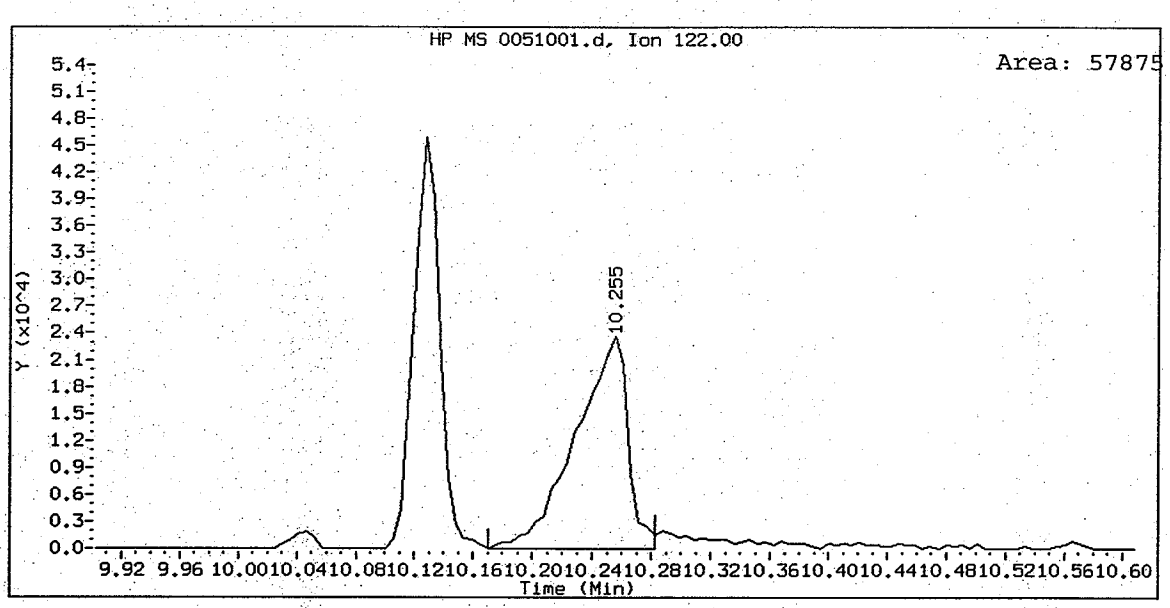
Instrument: nt6.i

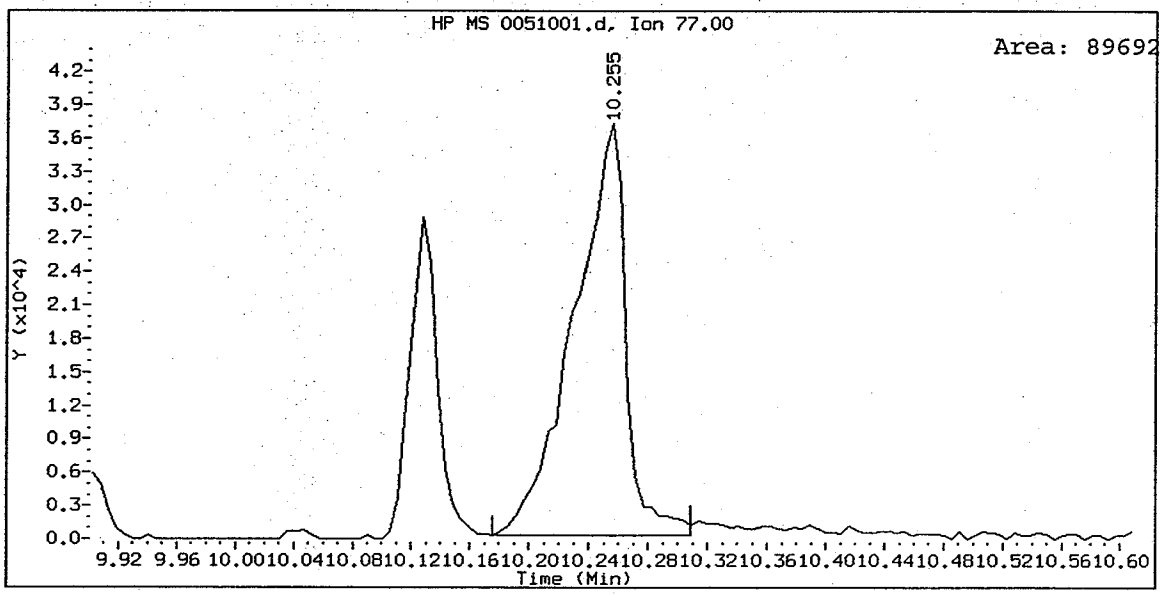
Operator: LJR/VTS
Column diameter: 0.32



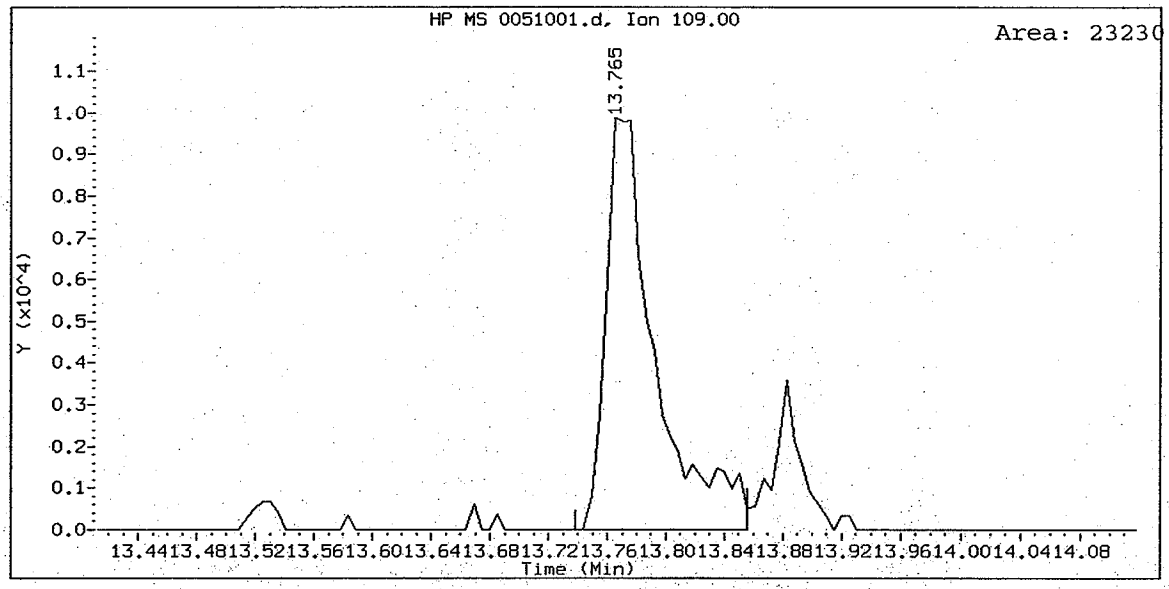
ABN 5, /chem1/nt6.i/20071001.b/0051001.d
Benzoic acid  Amount: 8.80

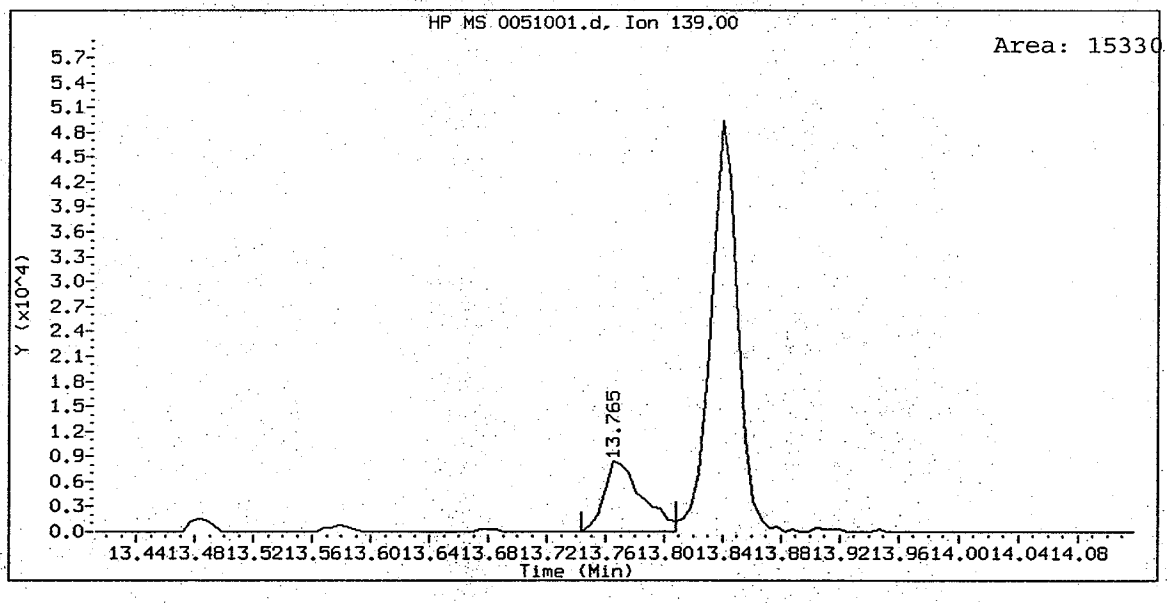


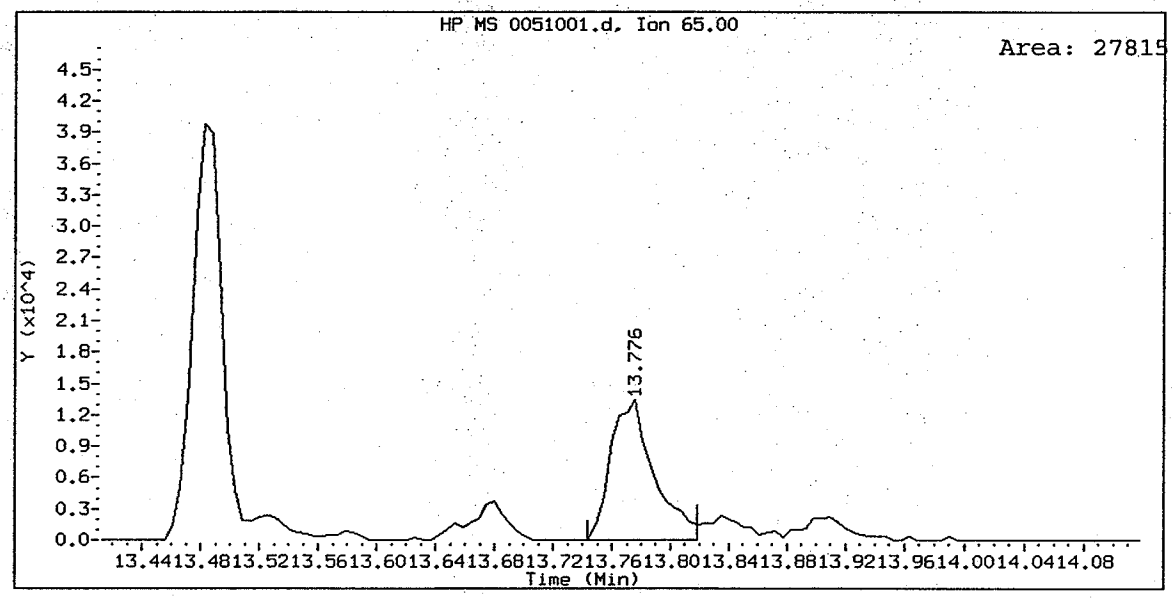



ABN 5, /chem1/nt6.i/20071001.b/0051001.d
4-Nitrophenol  Amount: 4.81



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0101001.d
Lab Smp Id: ABN 10 Client Smp ID: ABN 10
Inj Date : 01-OCT-2007 13:47
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 10
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20071001.b/SW846.m
Meth Date : 01-Oct-2007 16:04 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| $ | 1 2-Fluorophenol | 112 | 6.575 | 6.575 | (0.768) | 133268 | 10.0000 | 9.644 |
| $ | 2 Phenol-d5 | 99 | 8.082 | 8.081 | (0.944) | 166412 | 10.0000 | 9.427 |
| | 3 Phenol | 94 | 8.103 | 8.097 | (0.946) | 217139 | 10.0000 | 9.925 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.252 | 8.252 | (0.964) | 112798 | 10.0000 | 9.594 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.215 | 8.209 | (0.959) | 147784 | 10.0000 | 9.995 |
| | 6 2-Chlorophenol | 128 | 8.274 | 8.273 | (0.966) | 127099 | 10.0000 | 9.657 |
| | 7 1,3-Dichlorobenzene | 146 | 8.504 | 8.503 | (0.993) | 146137 | 10.0000 | 9.992 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.562 | 8.562 | (1.000) | 187530 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.589 | 8.589 | (1.003) | 151089 | 10.0000 | 10.02 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.867 | 8.866 | (1.036) | 83546 | 10.0000 | 9.476 |
| | 12 1,2-Dichlorobenzene | 146 | 8.888 | 8.888 | (1.038) | 134675 | 10.0000 | 9.495 |
| | 11 Benzyl alcohol | 108 | 8.824 | 8.824 | (1.031) | 85943 | 10.0000 | 10.05 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.097 | 9.091 | (1.062) | 128268 | 10.0000 | 9.401 |
| | 13 2-Methylphenol | 108 | 9.043 | 9.043 | (1.056) | 123927 | 10.0000 | 9.856 |
| | 17 Hexachloroethane | 117 | 9.385 | 9.385 | (1.096) | 67242 | 10.0000 | 10.09 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.305 | 9.305 | (1.087) | 132427 | 10.0000 | 10.04 |
| | 15 4-Methylphenol | 108 | 9.273 | 9.272 | (1.083) | 129270 | 10.0000 | 9.816 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.492 | 9.491 | (0.893) | 186887 | 10.0000 | 9.994 |
| | 19 Nitrobenzene | 77 | 9.524 | 9.518 | (0.896) | 205405 | 10.0000 | 10.23 |
| | 20 Isophorone | 82 | 9.903 | 9.903 | (0.932) | 295418 | 10.0000 | 9.996 |
| | 21 2-Nitrophenol | 139 | 10.047 | 10.047 | (0.945) | 63071 | 10.0000 | 9.396 |
| | 22 2,4-Dimethylphenol | 107 | 10.128 | 10.127 | (0.953) | 157603 | 10.0000 | 10.28 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.288 | 10.287 | (0.968) | 163968 | 10.0000 | 10.01 |
| | 24 Benzoic acid | 105 | 10.288 | 10.255 | (0.968) | 196001 | 20.0000 | 18.72(M) |
| | 25 2,4-Dichlorophenol | 162 | 10.421 | 10.421 | (0.980) | 95030 | 10.0000 | 9.348 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.566 | 10.565 | (0.994) | 120892 | 10.0000 | 9.755 |
| * | 27 Naphthalene-d8 | 136 | 10.630 | 10.629 | (1.000) | 582044 | 20.0000 | |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| | 28 Naphthalene | 128 | 10.662 | 10.661 | (1.003) | 359134 | 10.0000 | 10.01 |
| | 29 4-Chloroaniline | 127 | 10.790 | 10.784 | (1.015) | 134657 | 10.0000 | 9.702 |
| | 30 Hexachlorobutadiene | 225 | 10.977 | 10.977 | (1.033) | 84595 | 10.0000 | 10.23 |
| | 31 4-Chloro-3-methylphenol | 107 | 11.586 | 11.586 | (1.090) | 115787 | 10.0000 | 9.750 |
| | 32 2-Methylnaphthalene | 141 | 11.794 | 11.794 | (1.110) | 182125 | 10.0000 | 10.10 |
| | 33 Hexachlorocyclopentadiene | 237 | 12.179 | 12.179 | (0.900) | 63280 | 10.0000 | 9.049 |
| | 34 2,4,6-Trichlorophenol | 196 | 12.302 | 12.301 | (0.909) | 75054 | 10.0000 | 9.656 |
| | 35 2,4,5-Trichlorophenol | 196 | 12.361 | 12.360 | (0.914) | 69623 | 10.0000 | 9.247 |
| $ | 36 2-Fluorobiphenyl | 172 | 12.435 | 12.435 | (0.919) | 237143 | 10.0000 | 9.673 |
| | 37 2-Chloronaphthalene | 162 | 12.585 | 12.585 | (0.930) | 205924 | 10.0000 | 9.777 |
| | 38 2-Nitroaniline | 65 | 12.804 | 12.804 | (0.946) | 97429 | 10.0000 | 10.33 |
| | 39 Dimethylphthalate | 163 | 13.173 | 13.172 | (0.974) | 209956 | 10.0000 | 9.851 |
| | 40 Acenaphthylene | 152 | 13.274 | 13.274 | (0.981) | 317464 | 10.0000 | 9.833 |
| | 41 2,6-Dinitrotoluene | 165 | 13.274 | 13.274 | (0.981) | 49601 | 10.0000 | 9.357 |
| * | 42 Acenaphthene-d10 | 164 | 13.530 | 13.530 | (1.000) | 314859 | 20.0000 | |
| | 43 3-Nitroaniline | 138 | 13.488 | 13.482 | (0.997) | 48000 | 10.0000 | 9.482 |
| | 44 Acenaphthene | 153 | 13.579 | 13.578 | (1.004) | 199304 | 10.0000 | 9.781 |
| | 45 2,4-Dinitrophenol | 184 | 13.659 | 13.658 | (1.009) | 58066 | 20.0000 | 14.79 |
| | 46 Dibenzofuran | 168 | 13.840 | 13.840 | (1.023) | 283640 | 10.0000 | 9.935 |
| | 47 4-Nitrophenol | 109 | 13.771 | 13.765 | (1.018) | 47278 | 10.0000 | 10.22 (M) |
| | 48 2,4-Dinitrotoluene | 165 | 13.910 | 13.909 | (1.028) | 61555 | 10.0000 | 9.546 |
| | 50 Diethylphthalate | 149 | 14.337 | 14.337 | (1.060) | 212377 | 10.0000 | 9.857 |
| | 49 Fluorene | 166 | 14.407 | 14.406 | (1.065) | 215709 | 10.0000 | 9.566 |
| | 51 4-Chlorophenyl-phenylether | 204 | 14.423 | 14.422 | (1.066) | 120859 | 10.0000 | 9.619 |
| | 52 4-Nitroaniline | 138 | 14.492 | 14.486 | (1.071) | 42977 | 10.0000 | 9.486 |
| | 53 4,6-Dinitro-2-methylphenol | 198 | 14.572 | 14.572 | (0.914) | 86805 | 20.0000 | 18.60 |
| | 54 N-Nitrosodiphenylamine | 169 | 14.620 | 14.625 | (0.917) | 111462 | 10.0000 | 9.489 |
| $ | 55 2,4,6-Tribromophenol | 330 | 14.834 | 14.834 | (1.096) | 28202 | 10.0000 | 9.232 |
| | 56 4-Bromophenyl-phenylether | 248 | 15.213 | 15.218 | (0.954) | 64622 | 10.0000 | 10.13 |
| | 57 Hexachlorobenzene | 284 | 15.454 | 15.448 | (0.970) | 62426 | 10.0000 | 9.622 |
| | 58 Pentachlorophenol | 266 | 15.742 | 15.742 | (0.988) | 38588 | 10.0000 | 9.479 |
| * | 59 Phenanthrene-d10 | 188 | 15.940 | 15.939 | (1.000) | 460748 | 20.0000 | |
| | 60 Phenanthrene | 178 | 15.977 | 15.977 | (1.002) | 292189 | 10.0000 | 9.884 |
| | 61 Anthracene | 178 | 16.047 | 16.046 | (1.007) | 290530 | 10.0000 | 9.815 |
| | 62 Carbazole | 167 | 16.324 | 16.319 | (1.024) | 256153 | 10.0000 | 9.729 |
| | 63 Di-n-butylphthalate | 149 | 17.019 | 17.019 | (1.068) | 307354 | 10.0000 | 10.01 |
| | 64 Fluoranthene | 202 | 17.943 | 17.943 | (1.126) | 336235 | 10.0000 | 9.946 |
| | 65 Pyrene | 202 | 18.306 | 18.306 | (0.901) | 349912 | 10.0000 | 9.906 |
| $ | 66 Terphenyl-d14 | 244 | 18.600 | 18.600 | (0.916) | 217341 | 10.0000 | 9.830 |
| | 67 Butylbenzylphthalate | 149 | 19.471 | 19.471 | (0.959) | 158873 | 10.0000 | 10.23 |
| | 68 Benzo(a)anthracene | 228 | 20.283 | 20.283 | (0.999) | 390846 | 10.0000 | 10.14 |
| * | 69 Chrysene-d12 | 240 | 20.310 | 20.309 | (1.000) | 491821 | 20.0000 | |
| | 70 3,3'-Dichlorobenzidine | 252 | 20.272 | 20.272 | (0.998) | 156704 | 10.0000 | 9.936 |
| | 71 Chrysene | 228 | 20.352 | 20.347 | (1.002) | 346437 | 10.0000 | 10.00 |
| | 72 bis(2-Ethylhexyl)phthalate | 149 | 20.465 | 20.464 | (0.956) | 237828 | 10.0000 | 9.579 |
| * | 134 Di-n-octylphthalate-d4 | 153 | 21.405 | 21.404 | (1.000) | 821057 | 20.0000 | |
| | 73 Di-n-octylphthalate | 149 | 21.410 | 21.410 | (1.000) | 481121 | 10.0000 | 10.16 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| 74 | Benzo(b)fluoranthene | 252 | 21.960 | 21.955 | (0.976) | 425035 | 10.0000 | 10.15 |
| 75 | Benzo(k)fluoranthene | 252 | 21.992 | 21.987 | (0.977) | 439615 | 10.0000 | 9.923 |
| 76 | Benzo(a)pyrene | 252 | 22.425 | 22.425 | (0.996) | 373607 | 10.0000 | 9.718 |
| * 77 | Perylene-d12 | 264 | 22.511 | 22.510 | (1.000) | 583204 | 20.0000 | |
| 78 | Indeno(1,2,3-cd)pyrene | 276 | 24.322 | 24.316 | (1.080) | 434664 | 10.0000 | 9.533 |
| 79 | Dibenzo(a,h)anthracene | 278 | 24.343 | 24.343 | (1.081) | 364749 | 10.0000 | 9.522 |
| 80 | Benzo(g,h,i)perylene | 276 | 24.322 | 24.316 | (1.080) | 434664 | 10.0000 | 9.533 |
| 90 | N-Nitrosodimethylamine | 74 | 4.048 | 4.043 | (0.473) | 108577 | 10.0000 | 10.11 |
| 103 | Pyridine | 79 | 4.048 | 4.059 | (0.473) | 160067 | 10.0000 | 10.07 |
| 91 | Aniline | 93 | 8.103 | 8.103 | (0.946) | 245519 | 10.0000 | 9.776 |
| 105 | 1-methylnaphthalene | 141 | 11.971 | 11.970 | (1.126) | 178866 | 10.0000 | 9.950 |
| 93 | Benzidine | 184 | 18.173 | 18.172 | (0.895) | 184173 | 10.0000 | 11.15 |
| 111 | Azobenzene (1,2-DP-Hydrazine) | 77 | 14.674 | 14.673 | (1.084) | 320345 | 10.0000 | 10.21 |
| 144 | alpha-Terpineol | 59 | 10.667 | 10.667 | (1.004) | 109287 | 10.0000 | 10.04 |
| 143 | 1,4-Dioxane | 88 | 3.279 | 3.284 | (0.383) | 64930 | 10.0000 | 9.922 |
| $ 137 | d8-1,4-Dioxane | 96 | 3.215 | 3.220 | (0.375) | 63693 | 10.0000 | 9.715 |
| 133 | Butylatedhydroxytoluene | 205 | 13.680 | 13.680 | (1.011) | 207528 | 10.0000 | 9.822 |
| 115 | Tributyl Phosphate | 99 | 14.695 | 14.689 | (0.922) | 263740 | 10.0000 | 9.728 |
| 116 | Dibutyl Phenyl Phosphate | 175 | 16.458 | 16.458 | (1.032) | 152503 | 10.0000 | 9.742 |
| 117 | Butyl Diphenyl Phosphate | 94 | 18.173 | 18.167 | (0.895) | 70825 | 10.0000 | 9.789 |
| 118 | Triphenyl Phosphate | 326 | 19.797 | 19.796 | (0.975) | 57644 | 10.0000 | 9.856 |
| 123 | Acetophenone | 105 | 9.251 | 9.251 | (1.080) | 193969 | 10.0000 | 10.19 |

## QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0101001.d
Lab Smp Id: ABN 10
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071001.b/SW846.m
Misc Info:

Calibration Date: 01-OCT-2007
Calibration Time: 10:54
Client Smp ID: ABN 10
Level:
Sample Type:

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 212076 | 106038 | 424152 | 187530 | -11.57 |
| 27 Naphthalene-d8 | 656578 | 328289 | 1313156 | 582044 | -11.35 |
| 42 Acenaphthene-d10 | 353705 | 176852 | 707410 | 314859 | -10.98 |
| 59 Phenanthrene-d10 | 526440 | 263220 | 1052880 | 460748 | -12.48 |
| 69 Chrysene-d12 | 581923 | 290962 | 1163846 | 491821 | -15.48 |
| 134 Di-n-octylphthala | 979097 | 489548 | 1958194 | 821057 | -16.14 |
| 77 Perylene-d12 | 686531 | 343266 | 1373062 | 583204 | -15.05 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 8.57 | 8.07 | 9.07 | 8.56 | -0.06 |
| 27 Naphthalene-d8 | 10.63 | 10.13 | 11.13 | 10.63 | 0.00 |
| 42 Acenaphthene-d10 | 13.53 | 13.03 | 14.03 | 13.53 | 0.00 |
| 59 Phenanthrene-d10 | 15.95 | 15.45 | 16.45 | 15.94 | -0.03 |
| 69 Chrysene-d12 | 20.32 | 19.82 | 20.82 | 20.31 | -0.03 |
| 134 Di-n-octylphthala | 21.41 | 20.91 | 21.91 | 21.40 | -0.03 |
| 77 Perylene-d12 | 22.52 | 22.02 | 23.02 | 22.51 | -0.02 |

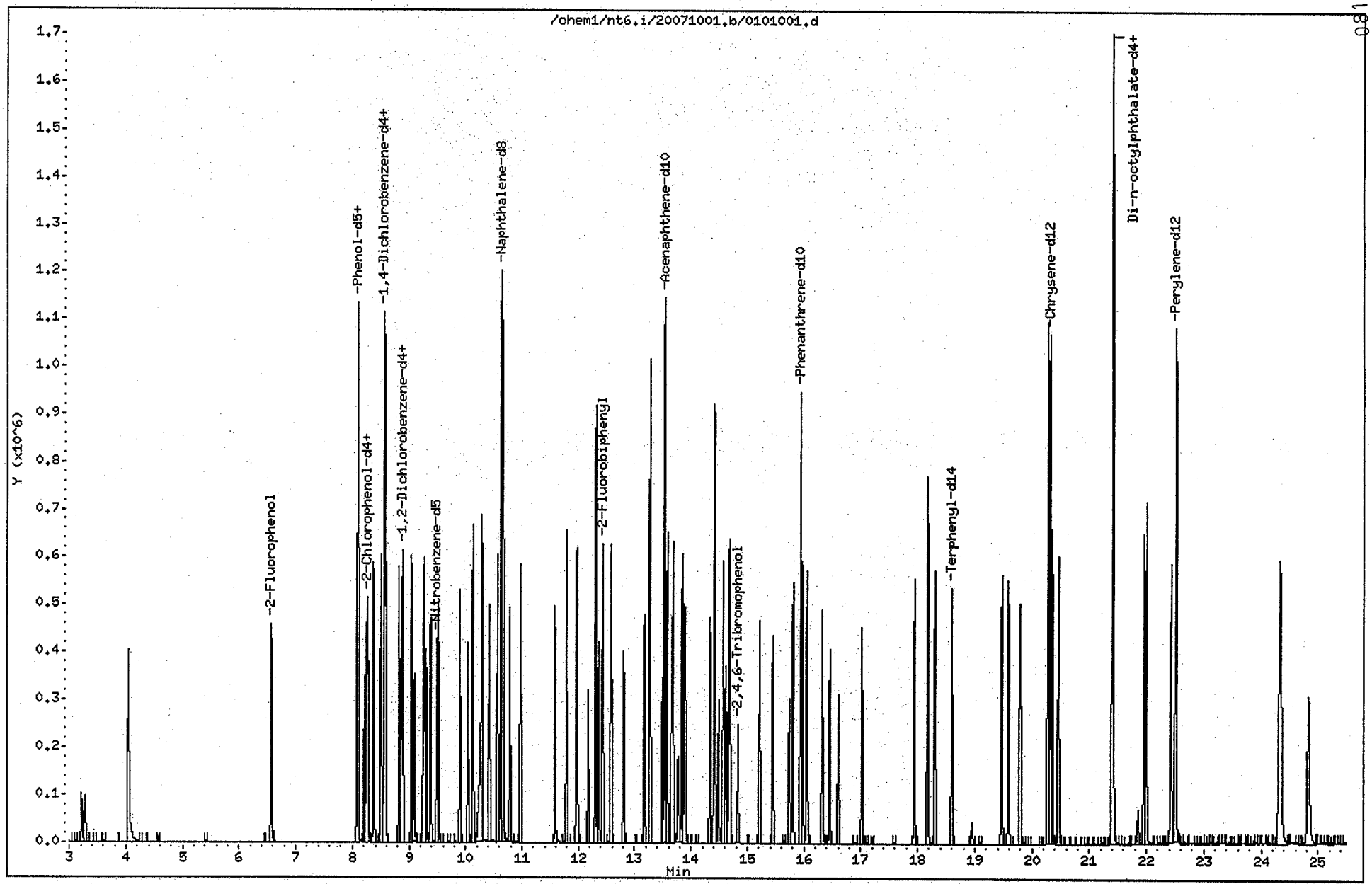
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20071001.b/0101001.d
Date : 01-OCT-2007 13:47
Client ID: ABN 10
Sample Info: ABN 10

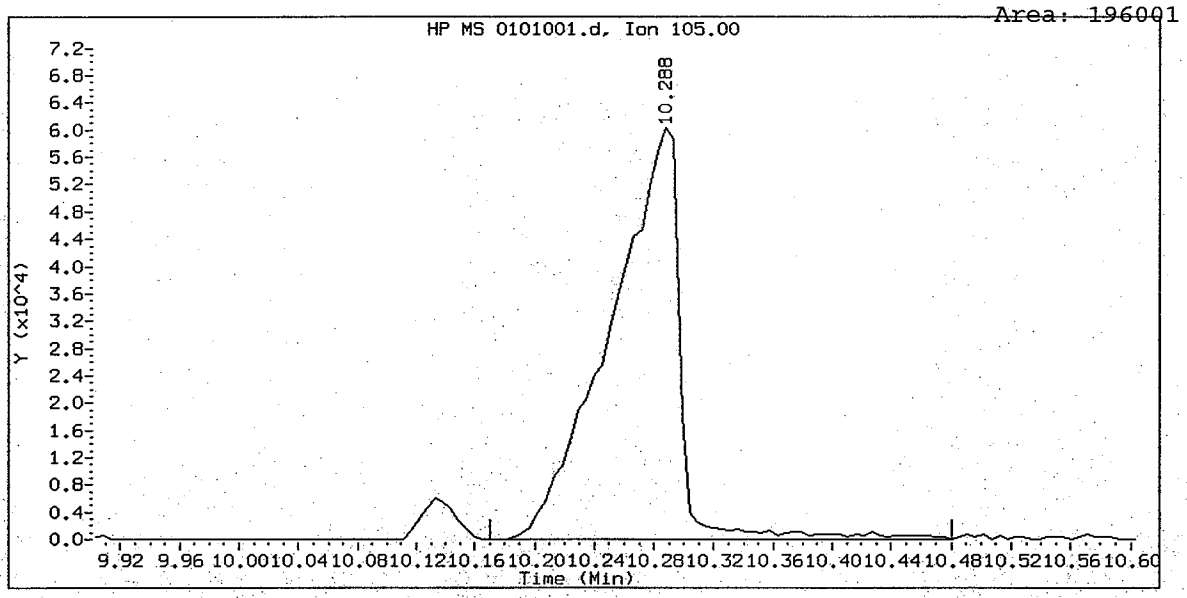
Instrument: nt6.i

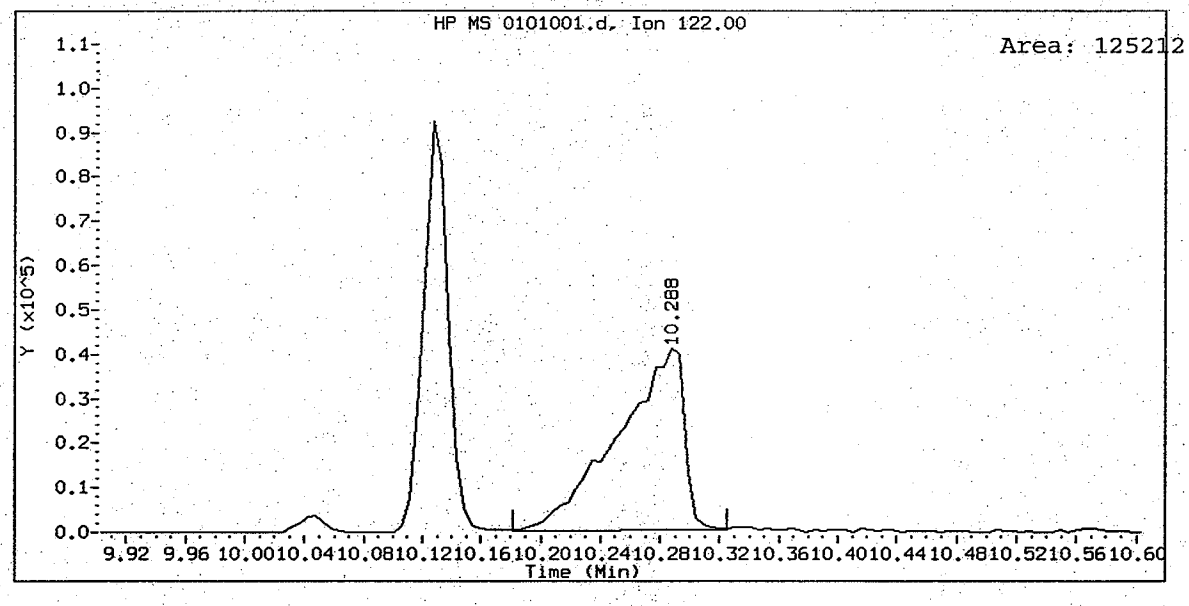
Operator: LJR/VTS
Column diameter: 0.32

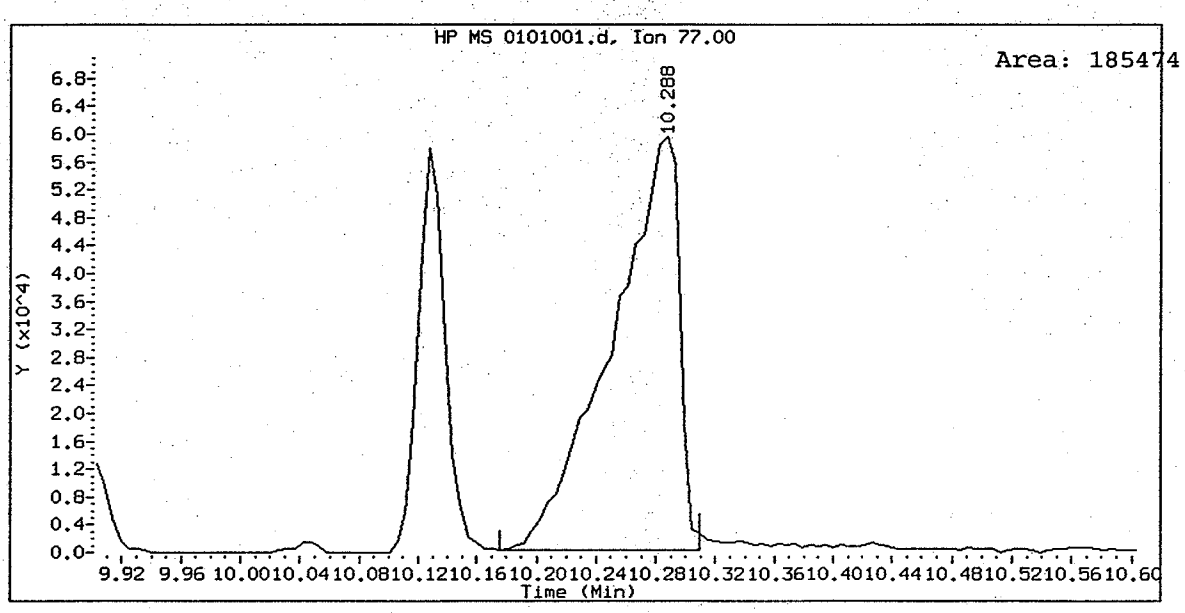
Column phase: ZB-5



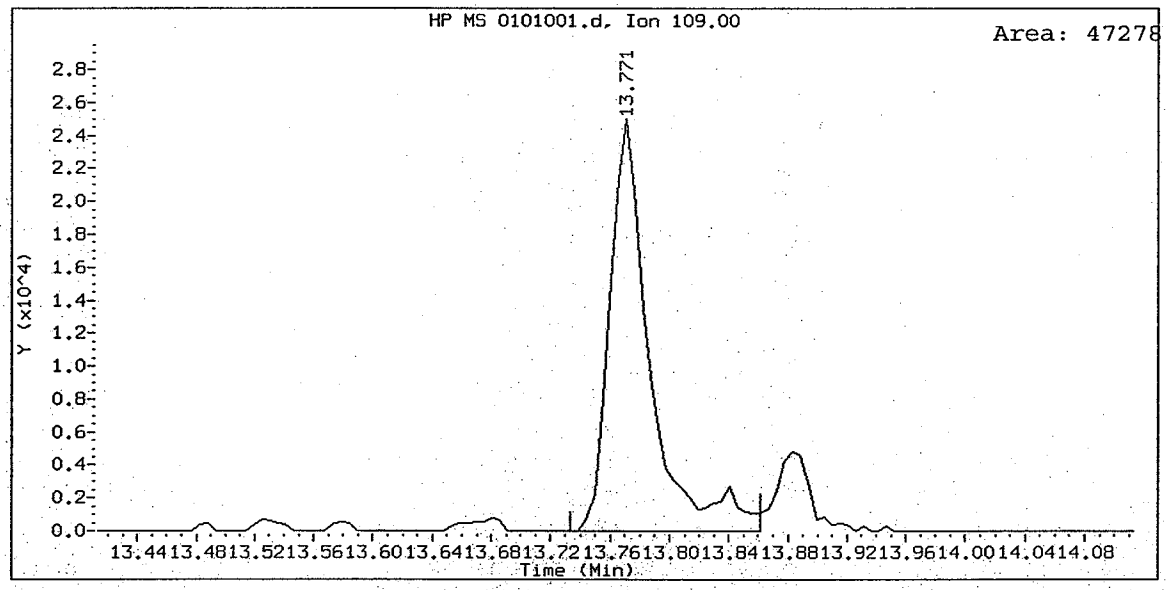
ABN 10, /chem1/nt6.i/20071001.b/0101001.d
Benzoic acid  Amount: 18.72

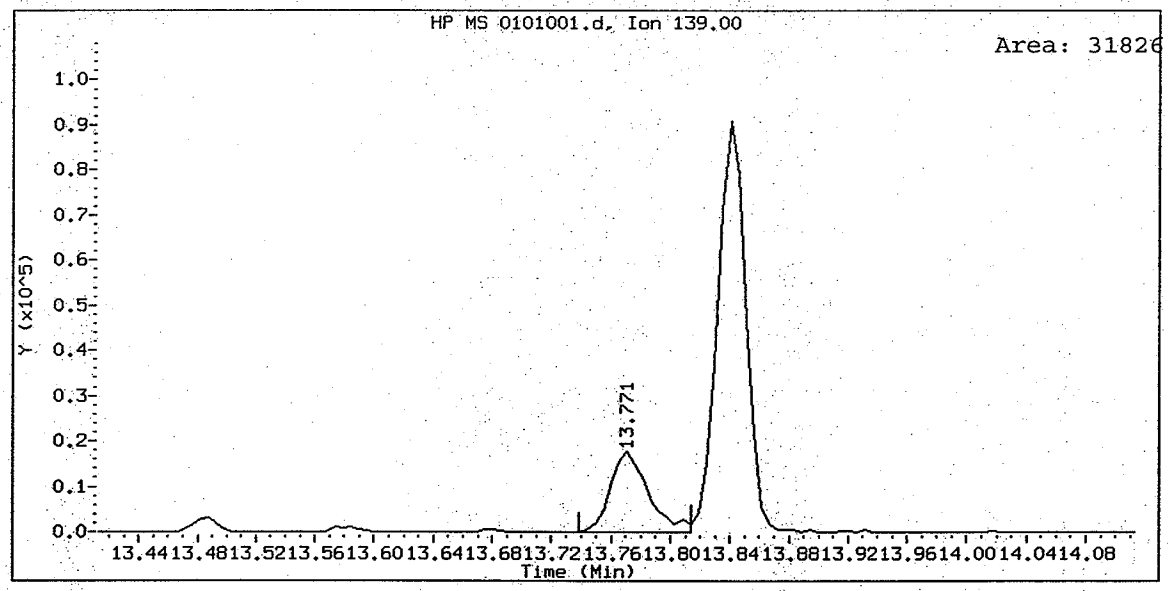


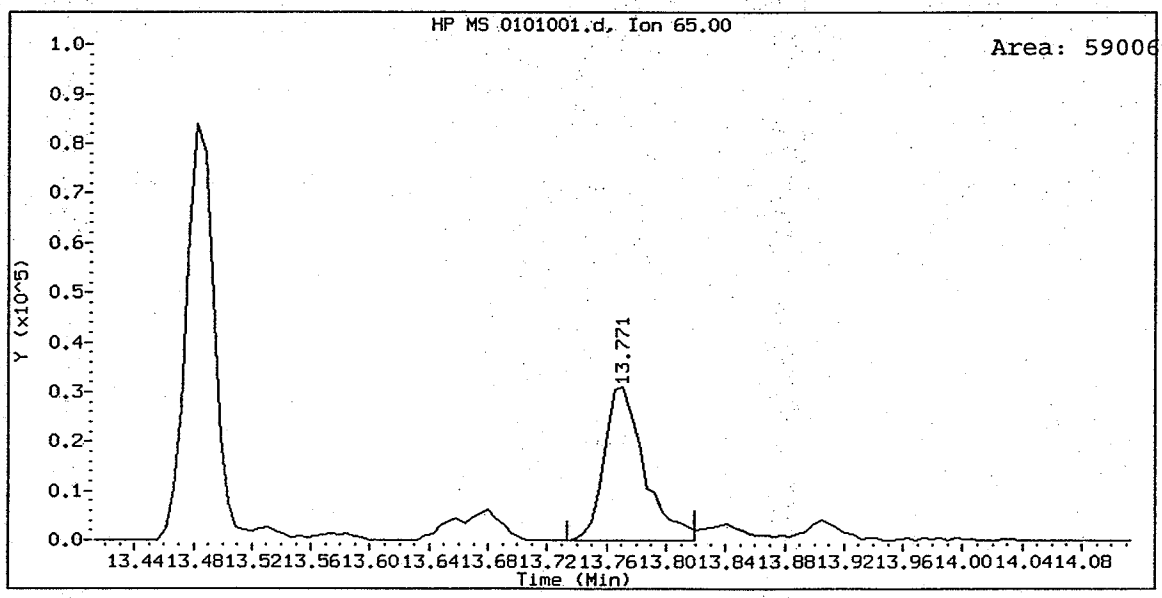



ABN 10, /chem1/nt6.i/20071001.b/0101001.d
4-Nitrophenol Amount: 10.22



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0251001.d
Lab Smp Id: ABN 25 Client Smp ID: ABN 25
Inj Date : 01-OCT-2007 10:54
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20071001.b/SW846.m
Meth Date : 01-Oct-2007 16:04 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 10/1/07

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| $ | 1 2-Fluorophenol | 112 | 6.580 | 6.575 | (0.768) | 385264 | 25.0000 | 24.65 |
| $ | 2 Phenol-d5 | 99 | 8.087 | 8.081 | (0.944) | 503304 | 25.0000 | 25.21 |
| | 3 Phenol | 94 | 8.108 | 8.097 | (0.946) | 644360 | 25.0000 | 26.04 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.252 | 8.252 | (0.963) | 331715 | 25.0000 | 24.95 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.220 | 8.209 | (0.959) | 407325 | 25.0000 | 24.36 |
| | 6 2-Chlorophenol | 128 | 8.279 | 8.273 | (0.966) | 370729 | 25.0000 | 24.91 |
| | 7 1,3-Dichlorobenzene | 146 | 8.504 | 8.503 | (0.993) | 409804 | 25.0000 | 24.78 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.568 | 8.562 | (1.000) | 212076 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.589 | 8.589 | (1.002) | 427312 | 25.0000 | 25.05 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.867 | 8.866 | (1.035) | 241738 | 25.0000 | 24.24 |
| | 12 1,2-Dichlorobenzene | 146 | 8.888 | 8.888 | (1.037) | 397569 | 25.0000 | 24.79 |
| | 11 Benzyl alcohol | 108 | 8.829 | 8.824 | (1.031) | 242681 | 25.0000 | 25.09 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.097 | 9.091 | (1.062) | 384388 | 25.0000 | 24.91 |
| | 13 2-Methylphenol | 108 | 9.048 | 9.043 | (1.056) | 365584 | 25.0000 | 25.71 |
| | 17 Hexachloroethane | 117 | 9.385 | 9.385 | (1.095) | 185415 | 25.0000 | 24.61 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.310 | 9.305 | (1.087) | 361321 | 25.0000 | 24.23 |
| | 15 4-Methylphenol | 108 | 9.278 | 9.272 | (1.083) | 383316 | 25.0000 | 25.74 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.497 | 9.491 | (0.893) | 513983 | 25.0000 | 24.36 |
| | 19 Nitrobenzene | 77 | 9.529 | 9.518 | (0.896) | 547139 | 25.0000 | 24.17 |
| | 20 Isophorone | 82 | 9.909 | 9.903 | (0.932) | 823270 | 25.0000 | 24.69 |
| | 21 2-Nitrophenol | 139 | 10.047 | 10.047 | (0.945) | 188102 | 25.0000 | 24.84 |
| | 22 2,4-Dimethylphenol | 107 | 10.133 | 10.127 | (0.953) | 431298 | 25.0000 | 24.93 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.293 | 10.287 | (0.968) | 462020 | 25.0000 | 25.00 |
| | 24 Benzoic acid | 105 | 10.347 | 10.255 | (0.973) | 602488 | 50.0000 | 51.02 |
| | 25 2,4-Dichlorophenol | 162 | 10.427 | 10.421 | (0.981) | 289567 | 25.0000 | 25.25 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.571 | 10.565 | (0.994) | 343619 | 25.0000 | 24.58 |
| * | 27 Naphthalene-d8 | 136 | 10.630 | 10.629 | (1.000) | 656578 | 20.0000 | |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| | 28 Naphthalene | 128 | 10.662 | 10.661 | (1.003) | 1034995 | 25.0000 | 25.57 |
| | 29 4-Chloroaniline | 127 | 10.790 | 10.784 | (1.015) | 390867 | 25.0000 | 24.97 |
| | 30 Hexachlorobutadiene | 225 | 10.977 | 10.977 | (1.033) | 228607 | 25.0000 | 24.52 |
| | 31 4-Chloro-3-methylphenol | 107 | 11.591 | 11.586 | (1.090) | 337456 | 25.0000 | 25.19 |
| | 32 2-Methylnaphthalene | 141 | 11.794 | 11.794 | (1.110) | 509558 | 25.0000 | 25.06 |
| | 33 Hexachlorocyclopentadiene | 237 | 12.179 | 12.179 | (0.900) | 203086 | 25.0000 | 25.85 |
| | 34 2,4,6-Trichlorophenol | 196 | 12.307 | 12.301 | (0.910) | 218885 | 25.0000 | 25.07 |
| | 35 2,4,5-Trichlorophenol | 196 | 12.361 | 12.360 | (0.914) | 214009 | 25.0000 | 25.30 |
| $ | 36 2-Fluorobiphenyl | 172 | 12.441 | 12.435 | (0.919) | 679789 | 25.0000 | 24.68 |
| | 37 2-Chloronaphthalene | 162 | 12.590 | 12.585 | (0.930) | 574394 | 25.0000 | 24.28 |
| | 38 2-Nitroaniline | 65 | 12.809 | 12.804 | (0.947) | 258212 | 25.0000 | 24.37 |
| | 39 Dimethylphthalate | 163 | 13.178 | 13.172 | (0.974) | 593721 | 25.0000 | 24.80 |
| | 40 Acenaphthylene | 152 | 13.279 | 13.274 | (0.981) | 917083 | 25.0000 | 25.29 |
| | 41 2,6-Dinitrotoluene | 165 | 13.279 | 13.274 | (0.981) | 151141 | 25.0000 | 25.38 |
| * | 42 Acenaphthene-d10 | 164 | 13.531 | 13.530 | (1.000) | 353705 | 20.0000 | |
| | 43 3-Nitroaniline | 138 | 13.493 | 13.482 | (0.997) | 143618 | 25.0000 | 25.25 |
| | 44 Acenaphthene | 153 | 13.584 | 13.578 | (1.004) | 568200 | 25.0000 | 24.82 |
| | 45 2,4-Dinitrophenol | 184 | 13.664 | 13.658 | (1.010) | 239800 | 50.0000 | 54.36 |
| | 46 Dibenzofuran | 168 | 13.846 | 13.840 | (1.023) | 792094 | 25.0000 | 24.70 |
| | 47 4-Nitrophenol | 109 | 13.776 | 13.765 | (1.018) | 127210 | 25.0000 | 24.47(M) |
| | 48 2,4-Dinitrotoluene | 165 | 13.915 | 13.909 | (1.028) | 178519 | 25.0000 | 24.64 |
| | 50 Diethylphthalate | 149 | 14.348 | 14.337 | (1.060) | 591772 | 25.0000 | 24.45 |
| | 49 Fluorene | 166 | 14.412 | 14.406 | (1.065) | 643047 | 25.0000 | 25.39 |
| | 51 4-Chlorophenyl-phenylether | 204 | 14.423 | 14.422 | (1.066) | 349229 | 25.0000 | 24.74 |
| | 52 4-Nitroaniline | 138 | 14.503 | 14.486 | (1.072) | 128323 | 25.0000 | 25.21 |
| | 53 4,6-Dinitro-2-methylphenol | 198 | 14.583 | 14.572 | (0.915) | 273546 | 50.0000 | 51.31 |
| | 54 N-Nitrosodiphenylamine | 169 | 14.626 | 14.625 | (0.917) | 321127 | 25.0000 | 23.93 |
| $ | 55 2,4,6-Tribromophenol | 330 | 14.839 | 14.834 | (1.097) | 85781 | 25.0000 | 25.00 |
| | 56 4-Bromophenyl-phenylether | 248 | 15.219 | 15.218 | (0.954) | 179869 | 25.0000 | 24.69 |
| | 57 Hexachlorobenzene | 284 | 15.454 | 15.448 | (0.969) | 179370 | 25.0000 | 24.20 |
| | 58 Pentachlorophenol | 266 | 15.748 | 15.742 | (0.988) | 111573 | 25.0000 | 23.99 |
| * | 59 Phenanthrene-d10 | 188 | 15.945 | 15.939 | (1.000) | 526440 | 20.0000 | |
| | 60 Phenanthrene | 178 | 15.983 | 15.977 | (1.002) | 830968 | 25.0000 | 24.60 |
| | 61 Anthracene | 178 | 16.052 | 16.046 | (1.007) | 846658 | 25.0000 | 25.03 |
| | 62 Carbazole | 167 | 16.330 | 16.319 | (1.024) | 749976 | 25.0000 | 24.93 |
| | 63 Di-n-butylphthalate | 149 | 17.024 | 17.019 | (1.068) | 854507 | 25.0000 | 24.36 |
| | 64 Fluoranthene | 202 | 17.948 | 17.943 | (1.126) | 965336 | 25.0000 | 24.99 |
| | 65 Pyrene | 202 | 18.312 | 18.306 | (0.901) | 1006187 | 25.0000 | 24.07 |
| $ | 66 Terphenyl-d14 | 244 | 18.606 | 18.600 | (0.916) | 640449 | 25.0000 | 24.48 |
| | 67 Butylbenzylphthalate | 149 | 19.476 | 19.471 | (0.959) | 448304 | 25.0000 | 24.39 |
| | 68 Benzo(a)anthracene | 228 | 20.288 | 20.283 | (0.999) | 1158223 | 25.0000 | 25.40 |
| * | 69 Chrysene-d12 | 240 | 20.315 | 20.309 | (1.000) | 581923 | 20.0000 | |
| | 70 3,3'-Dichlorobenzidine | 252 | 20.278 | 20.272 | (0.998) | 477405 | 25.0000 | 25.58 |
| | 71 Chrysene | 228 | 20.358 | 20.347 | (1.002) | 1030298 | 25.0000 | 25.15 |
| | 72 bis(2-Ethylhexyl)phthalate | 149 | 20.470 | 20.464 | (0.956) | 719529 | 25.0000 | 24.30 |
| * | 134 Di-n-octylphthalate-d4 | 153 | 21.410 | 21.404 | (1.000) | 979097 | 20.0000 | |
| | 73 Di-n-octylphthalate | 149 | 21.416 | 21.410 | (1.000) | 1372888 | 25.0000 | 24.31 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| 74 | Benzo(b)fluoranthene | 252 | 21.966 | 21.955 | (0.976) | 1182844 | 25.0000 | 23.99 |
| 75 | Benzo(k)fluoranthene | 252 | 22.003 | 21.987 | (0.977) | 1371760 | 25.0000 | 26.30 |
| 76 | Benzo(a)pyrene | 252 | 22.436 | 22.425 | (0.996) | 1138521 | 25.0000 | 25.16 |
| * 77 | Perylene-d12 | 264 | 22.516 | 22.510 | (1.000) | 686531 | 20.0000 | |
| 78 | Indeno(1,2,3-cd)pyrene | 276 | 24.338 | 24.316 | (1.081) | 1352442 | 25.0000 | 25.20 |
| 79 | Dibenzo(a,h)anthracene | 278 | 24.359 | 24.343 | (1.082) | 1145924 | 25.0000 | 25.41 |
| 80 | Benzo(g,h,i)perylene | 276 | 24.338 | 24.316 | (1.081) | 1352442 | 25.0000 | 25.20 |
| 90 | N-Nitrosodimethylamine | 74 | 4.054 | 4.043 | (0.473) | 305390 | 25.0000 | 25.15 |
| 103 | Pyridine | 79 | 4.038 | 4.059 | (0.471) | 456967 | 25.0000 | 25.42 |
| 91 | Aniline | 93 | 8.108 | 8.103 | (0.946) | 714994 | 25.0000 | 25.18 |
| 105 | 1-methylnaphthalene | 141 | 11.971 | 11.970 | (1.126) | 501362 | 25.0000 | 24.72 |
| 93 | Benzidine | 184 | 18.178 | 18.172 | (0.895) | 437662 | 25.0000 | 22.40 |
| 111 | Azobenzene (1,2-DP-Hydrazine) | 77 | 14.679 | 14.673 | (1.085) | 871283 | 25.0000 | 24.73 |
| 144 | alpha-Terpineol | 59 | 10.672 | 10.667 | (1.004) | 307560 | 25.0000 | 25.04 |
| 143 | 1,4-Dioxane | 88 | 3.279 | 3.284 | (0.383) | 182672 | 25.0000 | 24.68 |
| $ 137 | d8-1,4-Dioxane | 96 | 3.215 | 3.220 | (0.375) | 185085 | 25.0000 | 24.96 |
| 133 | Butylatedhydroxytoluene | 205 | 13.685 | 13.680 | (1.011) | 579434 | 25.0000 | 24.41 |
| 115 | Tributyl Phosphate | 99 | 14.700 | 14.689 | (0.922) | 767908 | 25.0000 | 24.79 |
| 116 | Dibutyl Phenyl Phosphate | 175 | 16.458 | 16.458 | (1.032) | 438062 | 25.0000 | 24.49 |
| 117 | Butyl Diphenyl Phosphate | 94 | 18.173 | 18.167 | (0.895) | 204727 | 25.0000 | 23.92 |
| 118 | Triphenyl Phosphate | 326 | 19.802 | 19.796 | (0.975) | 169878 | 25.0000 | 24.55 |
| 123 | Acetophenone | 105 | 9.257 | 9.251 | (1.080) | 533720 | 25.0000 | 24.80 |

## QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0251001.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071001.b/SW846.m
Misc Info:

Calibration Date: 01-OCT-2007
Calibration Time: 10:54
Client Smp ID: ABN 25
Level:
Sample Type:

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 212076 | 106038 | 424152 | 212076 | 0.00 |
| 27 Naphthalene-d8 | 656578 | 328289 | 1313156 | 656578 | 0.00 |
| 42 Acenaphthene-d10 | 353705 | 176852 | 707410 | 353705 | 0.00 |
| 59 Phenanthrene-d10 | 526440 | 263220 | 1052880 | 526440 | 0.00 |
| 69 Chrysene-d12 | 581923 | 290962 | 1163846 | 581923 | 0.00 |
| 134 Di-n-octylphthala | 979097 | 489548 | 1958194 | 979097 | 0.00 |
| 77 Perylene-d12 | 686531 | 343266 | 1373062 | 686531 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 8.57 | 8.07 | 9.07 | 8.57 | 0.00 |
| 27 Naphthalene-d8 | 10.63 | 10.13 | 11.13 | 10.63 | 0.00 |
| 42 Acenaphthene-d10 | 13.53 | 13.03 | 14.03 | 13.53 | 0.00 |
| 59 Phenanthrene-d10 | 15.95 | 15.45 | 16.45 | 15.95 | 0.00 |
| 69 Chrysene-d12 | 20.32 | 19.82 | 20.82 | 20.32 | 0.00 |
| 134 Di-n-octylphthala | 21.41 | 20.91 | 21.91 | 21.41 | 0.00 |
| 77 Perylene-d12 | 22.52 | 22.02 | 23.02 | 22.52 | 0.00 |

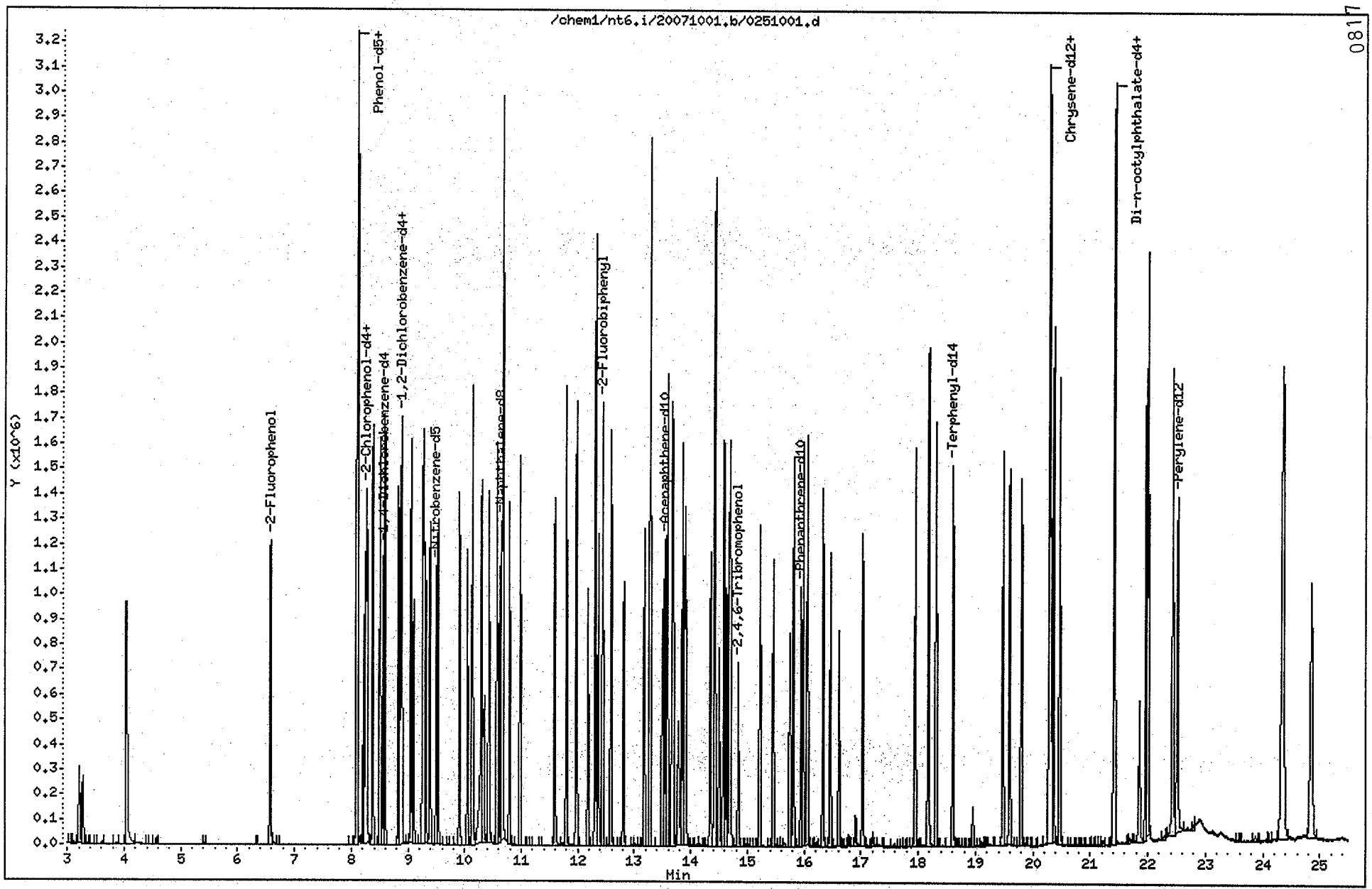
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20071001.b/0251001.d
Date : 01-OCT-2007 10:54
Client ID: ABN 25
Sample Info: ABN 25

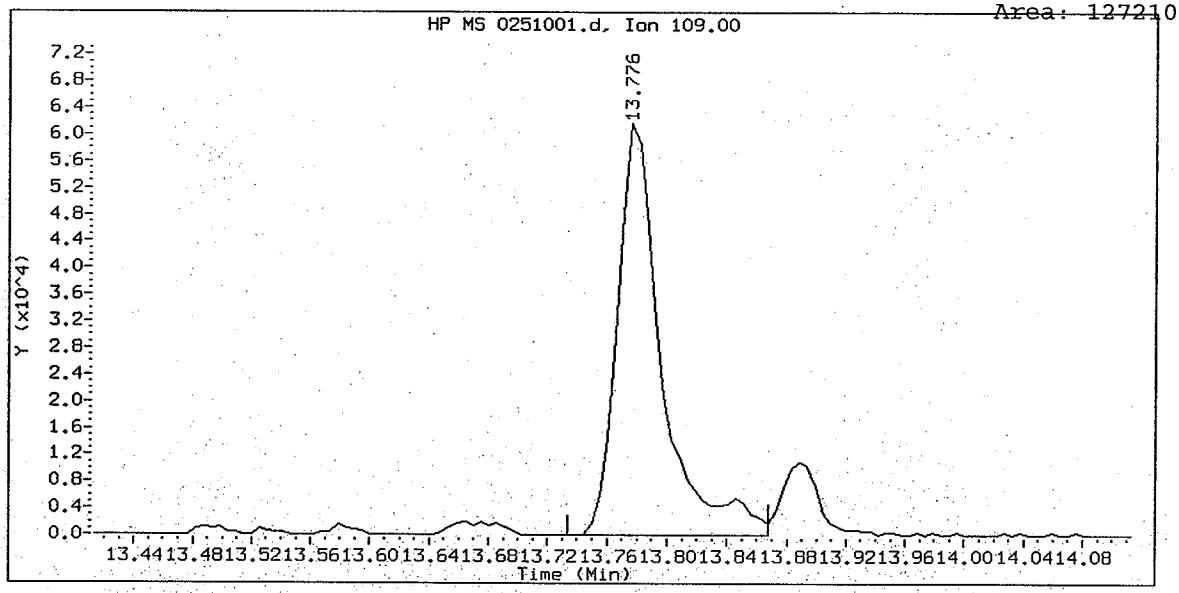
Column phase: ZB-5

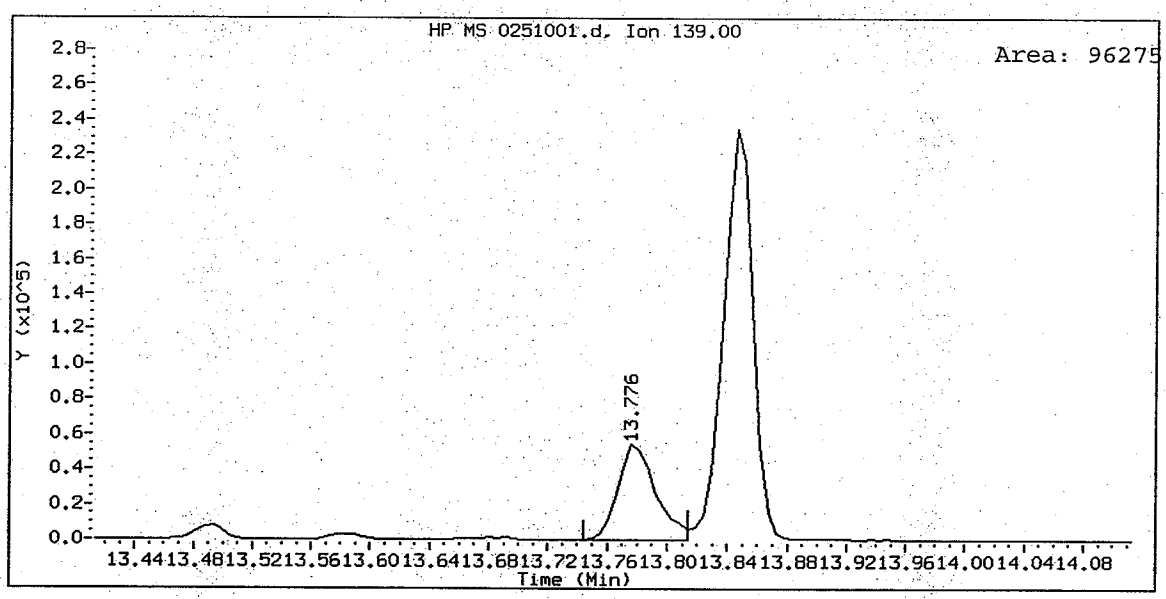
Instrument: nt6.i

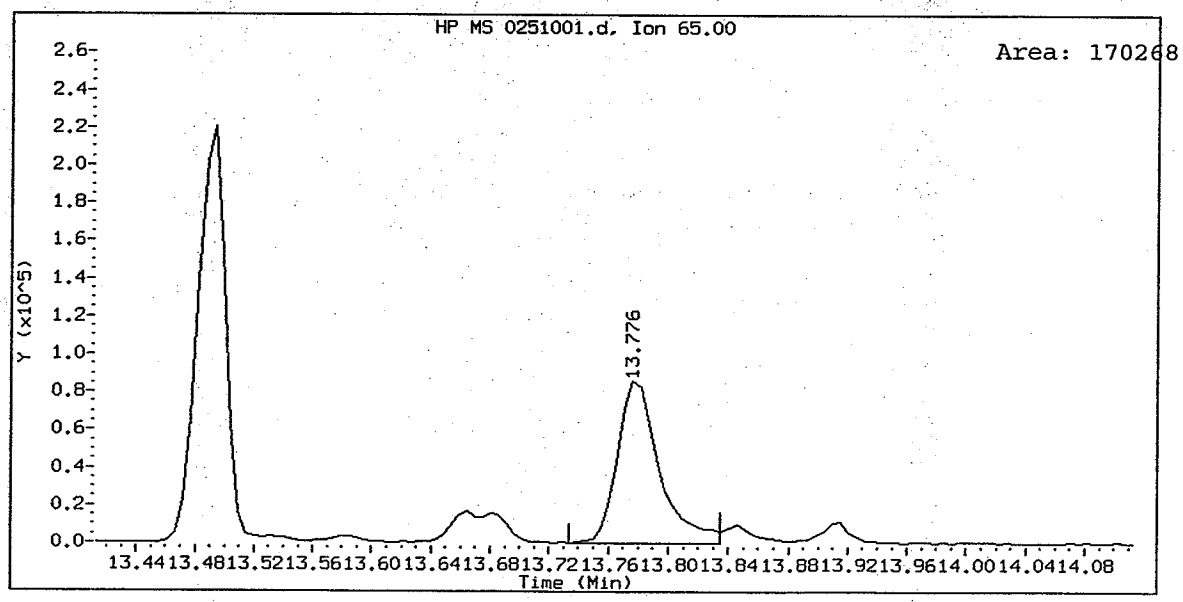
Operator: LJR/VTS
Column diameter: 0.32



ABN 25, /chem1/nt6.i/20071001.b/0251001.d
4-Nitrophenol  Amount: 24.47



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20071001.b/ddt.b/0251001.d  ARI ID:
Method: /chem1/nt6.i/20071001.b/ddt.b/sw846ddt.m  Misc:
Analysis Date: 01-OCT-2007 10:54  Instrument: nt6.i

| COMPOUND | RT | AREA |
|---|---|---|
| Pentachlorophenol | 15.748 | 111573 |
| Benzidine | 18.178 | 435979 |
| 4,4'-DDE | ---- | ---- |
| 4,4'-DDD | 19.113 | 4208 |
| 4,4'-DDT | 19.594 | 357840 |

LJK 10/1/07

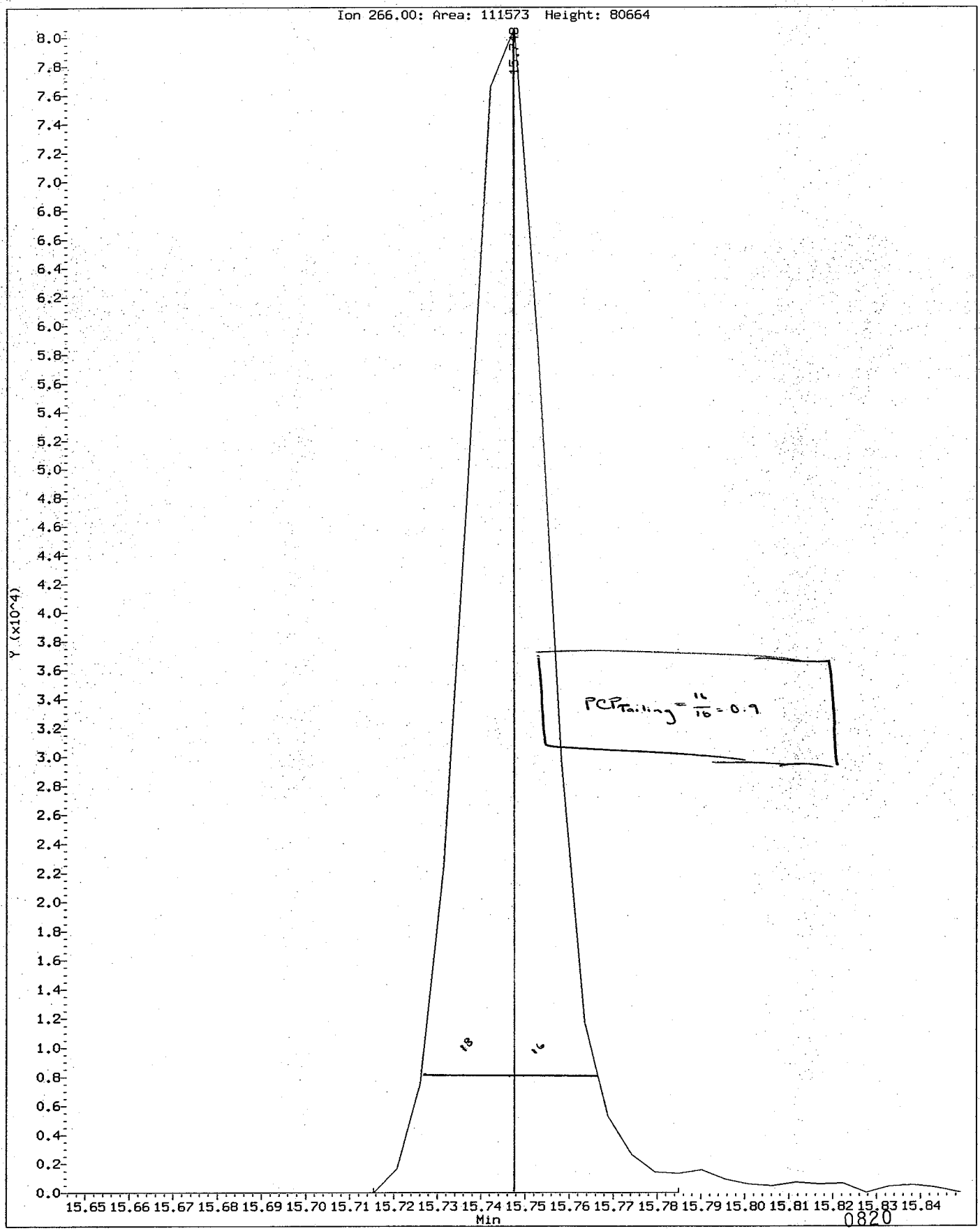
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 4208) * 100}{(0 + 4208 + 357840)}$$

DDT Percent Breakdown = 1.2 %

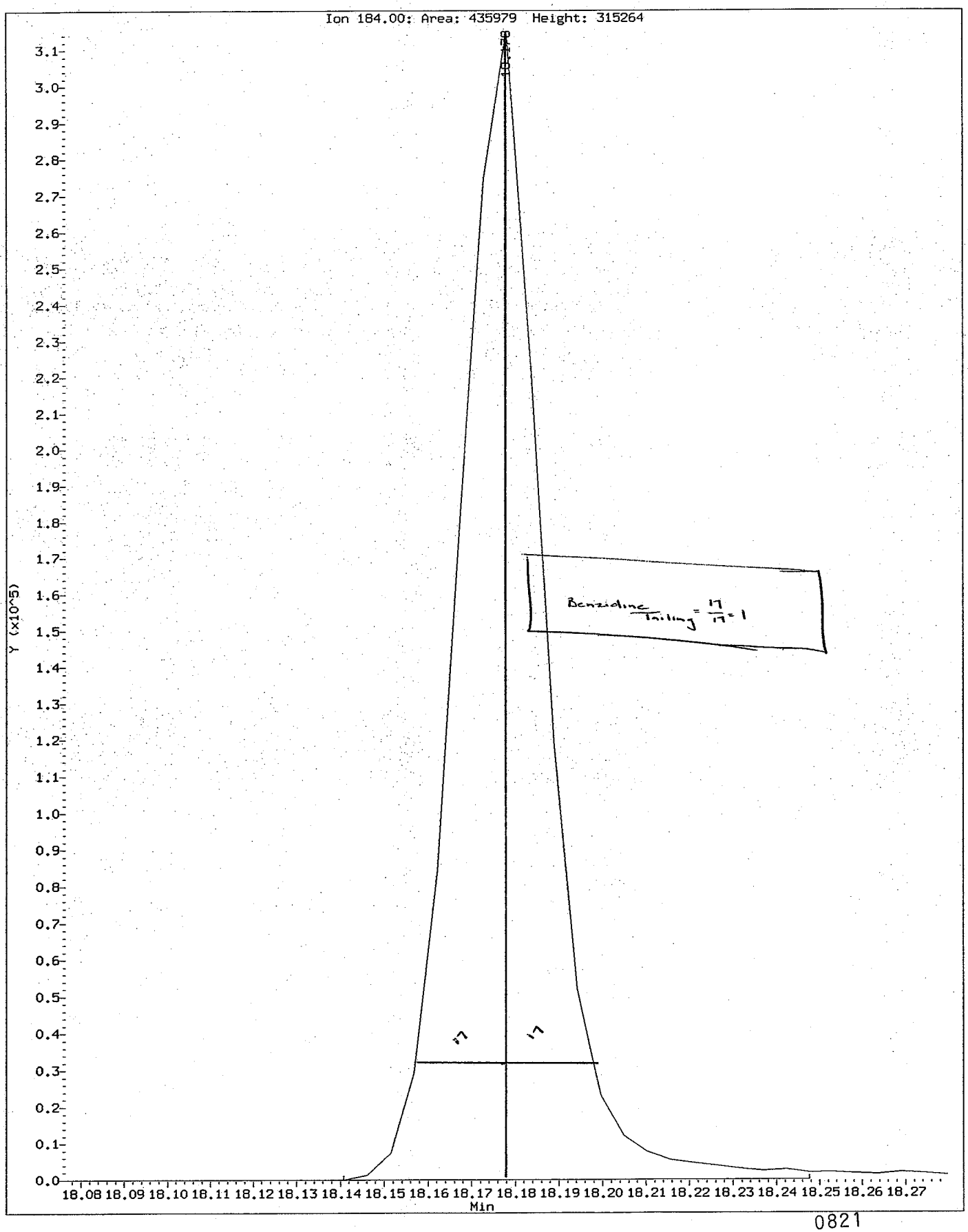
Data File: /chem1/nt6.i/20071001.b/ddt.b/0251001.d
Injection Date: 01-OCT-2007 10:54
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20071001.b/ddt.b/0251001.d
Injection Date: 01-OCT-2007 10:54
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0401001.d
Lab Smp Id: ABN 40 Client Smp ID: ABN 40
Inj Date : 01-OCT-2007 12:38
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20071001.b/SW846.m
Meth Date : 01-Oct-2007 16:04 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| $ | 1 2-Fluorophenol | 112 | 6.577 | 6.575 | (0.768) | 591771 | 40.0000 | 40.71 |
| $ | 2 Phenol-d5 | 99 | 8.094 | 8.081 | (0.945) | 771298 | 40.0000 | 41.54 |
| | 3 Phenol | 94 | 8.110 | 8.097 | (0.947) | 1004928 | 40.0000 | 43.67 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.255 | 8.252 | (0.964) | 500633 | 40.0000 | 40.48 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.222 | 8.209 | (0.960) | 608543 | 40.0000 | 39.13 |
| | 6 2-Chlorophenol | 128 | 8.281 | 8.273 | (0.967) | 565851 | 40.0000 | 40.87 |
| | 7 1,3-Dichlorobenzene | 146 | 8.506 | 8.503 | (0.993) | 618717 | 40.0000 | 40.22 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.564 | 8.562 | (1.000) | 197243 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.591 | 8.589 | (1.003) | 646333 | 40.0000 | 40.74 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.869 | 8.866 | (1.036) | 377267 | 40.0000 | 40.68 |
| | 12 1,2-Dichlorobenzene | 146 | 8.890 | 8.888 | (1.038) | 610700 | 40.0000 | 40.94 |
| | 11 Benzyl alcohol | 108 | 8.831 | 8.824 | (1.031) | 379249 | 40.0000 | 42.15 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.099 | 9.091 | (1.062) | 556797 | 40.0000 | 38.80 |
| | 13 2-Methylphenol | 108 | 9.056 | 9.043 | (1.057) | 552198 | 40.0000 | 41.75 |
| | 17 Hexachloroethane | 117 | 9.387 | 9.385 | (1.096) | 284832 | 40.0000 | 40.65 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.318 | 9.305 | (1.088) | 536131 | 40.0000 | 38.66 |
| | 15 4-Methylphenol | 108 | 9.286 | 9.272 | (1.084) | 583711 | 40.0000 | 42.14 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.499 | 9.491 | (0.893) | 771428 | 40.0000 | 40.11 |
| | 19 Nitrobenzene | 77 | 9.531 | 9.518 | (0.896) | 809206 | 40.0000 | 39.20 |
| | 20 Isophorone | 82 | 9.911 | 9.903 | (0.932) | 1197579 | 40.0000 | 39.40 |
| | 21 2-Nitrophenol | 139 | 10.049 | 10.047 | (0.945) | 277783 | 40.0000 | 40.24 |
| | 22 2,4-Dimethylphenol | 107 | 10.135 | 10.127 | (0.953) | 655120 | 40.0000 | 41.54 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.295 | 10.287 | (0.968) | 684427 | 40.0000 | 40.63 |
| | 24 Benzoic acid | 105 | 10.386 | 10.255 | (0.977) | 901981 | 80.0000 | 83.79(M) |
| | 25 2,4-Dichlorophenol | 162 | 10.429 | 10.421 | (0.981) | 431827 | 40.0000 | 41.31 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.573 | 10.565 | (0.994) | 508518 | 40.0000 | 39.90 |
| * | 27 Naphthalene-d8 | 136 | 10.632 | 10.629 | (1.000) | 598570 | 20.0000 | |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| | 28 Naphthalene | 128 | 10.664 | 10.661 | (1.003) | 1567833 | 40.0000 | 42.49 |
| | 29 4-Chloroaniline | 127 | 10.792 | 10.784 | (1.015) | 576974 | 40.0000 | 40.42 |
| | 30 Hexachlorobutadiene | 225 | 10.979 | 10.977 | (1.033) | 344001 | 40.0000 | 40.47 |
| | 31 4-Chloro-3-methylphenol | 107 | 11.588 | 11.586 | (1.090) | 504660 | 40.0000 | 41.32 |
| | 32 2-Methylnaphthalene | 141 | 11.796 | 11.794 | (1.110) | 753042 | 40.0000 | 40.62 |
| | 33 Hexachlorocyclopentadiene | 237 | 12.181 | 12.179 | (0.900) | 311654 | 40.0000 | 44.52 |
| | 34 2,4,6-Trichlorophenol | 196 | 12.309 | 12.301 | (0.910) | 335861 | 40.0000 | 43.17 |
| | 35 2,4,5-Trichlorophenol | 196 | 12.363 | 12.360 | (0.914) | 320680 | 40.0000 | 42.55 |
| $ | 36 2-Fluorobiphenyl | 172 | 12.437 | 12.435 | (0.919) | 1015357 | 40.0000 | 41.38 |
| | 37 2-Chloronaphthalene | 162 | 12.587 | 12.585 | (0.930) | 862546 | 40.0000 | 40.91 |
| | 38 2-Nitroaniline | 65 | 12.811 | 12.804 | (0.947) | 380428 | 40.0000 | 40.29 |
| | 39 Dimethylphthalate | 163 | 13.180 | 13.172 | (0.974) | 856657 | 40.0000 | 40.16 |
| | 40 Acenaphthylene | 152 | 13.276 | 13.274 | (0.981) | 1368665 | 40.0000 | 42.35 |
| | 41 2,6-Dinitrotoluene | 165 | 13.281 | 13.274 | (0.981) | 230065 | 40.0000 | 43.36 |
| * | 42 Acenaphthene-d10 | 164 | 13.533 | 13.530 | (1.000) | 315169 | 20.0000 | |
| | 43 3-Nitroaniline | 138 | 13.495 | 13.482 | (0.997) | 204867 | 40.0000 | 40.43 |
| | 44 Acenaphthene | 153 | 13.586 | 13.578 | (1.004) | 834418 | 40.0000 | 40.91 |
| | 45 2,4-Dinitrophenol | 184 | 13.666 | 13.658 | (1.010) | 409047 | 80.0000 | 104.1 |
| | 46 Dibenzofuran | 168 | 13.848 | 13.840 | (1.023) | 1156635 | 40.0000 | 40.48 |
| | 47 4-Nitrophenol | 109 | 13.784 | 13.765 | (1.019) | 203517 | 40.0000 | 43.94(M) |
| | 48 2,4-Dinitrotoluene | 165 | 13.917 | 13.909 | (1.028) | 268845 | 40.0000 | 41.65 |
| | 50 Diethylphthalate | 149 | 14.350 | 14.337 | (1.060) | 870818 | 40.0000 | 40.38 |
| | 49 Fluorene | 166 | 14.414 | 14.406 | (1.065) | 983628 | 40.0000 | 43.58 |
| | 51 4-Chlorophenyl-phenylether | 204 | 14.425 | 14.422 | (1.066) | 536040 | 40.0000 | 42.62 |
| | 52 4-Nitroaniline | 138 | 14.510 | 14.486 | (1.072) | 191039 | 40.0000 | 42.12 |
| | 53 4,6-Dinitro-2-methylphenol | 198 | 14.585 | 14.572 | (0.915) | 425386 | 80.0000 | 85.49 |
| | 54 N-Nitrosodiphenylamine | 169 | 14.628 | 14.625 | (0.918) | 480592 | 40.0000 | 38.37 |
| $ | 55 2,4,6-Tribromophenol | 330 | 14.841 | 14.834 | (1.097) | 126195 | 40.0000 | 41.27 |
| | 56 4-Bromophenyl-phenylether | 248 | 15.221 | 15.218 | (0.955) | 270707 | 40.0000 | 39.81 |
| | 57 Hexachlorobenzene | 284 | 15.456 | 15.448 | (0.970) | 270404 | 40.0000 | 39.09 |
| | 58 Pentachlorophenol | 266 | 15.744 | 15.742 | (0.988) | 188323 | 40.0000 | 43.38 |
| * | 59 Phenanthrene-d10 | 188 | 15.942 | 15.939 | (1.000) | 491283 | 20.0000 | |
| | 60 Phenanthrene | 178 | 15.979 | 15.977 | (1.002) | 1270393 | 40.0000 | 40.30 |
| | 61 Anthracene | 178 | 16.054 | 16.046 | (1.007) | 1297107 | 40.0000 | 41.10 |
| | 62 Carbazole | 167 | 16.332 | 16.319 | (1.024) | 1176301 | 40.0000 | 41.90 |
| | 63 Di-n-butylphthalate | 149 | 17.021 | 17.019 | (1.068) | 1354599 | 40.0000 | 41.38 |
| | 64 Fluoranthene | 202 | 17.945 | 17.943 | (1.126) | 1569476 | 40.0000 | 43.54 |
| | 65 Pyrene | 202 | 18.314 | 18.306 | (0.901) | 1649183 | 40.0000 | 38.12 |
| $ | 66 Terphenyl-d14 | 244 | 18.602 | 18.600 | (0.916) | 1068112 | 40.0000 | 39.44 |
| | 67 Butylbenzylphthalate | 149 | 19.478 | 19.471 | (0.959) | 757298 | 40.0000 | 39.80 |
| | 68 Benzo(a)anthracene | 228 | 20.290 | 20.283 | (0.999) | 1947950 | 40.0000 | 41.27 |
| * | 69 Chrysene-d12 | 240 | 20.317 | 20.309 | (1.000) | 602442 | 20.0000 | |
| | 70 3,3'-Dichlorobenzidine | 252 | 20.280 | 20.272 | (0.998) | 796518 | 40.0000 | 41.23 |
| | 71 Chrysene | 228 | 20.360 | 20.347 | (1.002) | 1715047 | 40.0000 | 40.43 |
| | 72 bis(2-Ethylhexyl)phthalate | 149 | 20.467 | 20.464 | (0.956) | 1139446 | 40.0000 | 37.61 |
| * | 134 Di-n-octylphthalate-d4 | 153 | 21.412 | 21.404 | (1.000) | 1001952 | 20.0000 | |
| | 73 Di-n-octylphthalate | 149 | 21.418 | 21.410 | (1.000) | 2143718 | 40.0000 | 37.09 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| 74 | Benzo(b)fluoranthene | 252 | 21.973 | 21.955 | (0.976) | 2044394 | 40.0000 | 43.91 |
| 75 | Benzo(k)fluoranthene | 252 | 22.011 | 21.987 | (0.977) | 2059664 | 40.0000 | 41.82 |
| 76 | Benzo(a)pyrene | 252 | 22.438 | 22.425 | (0.996) | 1779627 | 40.0000 | 41.64 |
| * 77 | Perylene-d12 | 264 | 22.518 | 22.510 | (1.000) | 648300 | 20.0000 | |
| 78 | Indeno(1,2,3-cd)pyrene | 276 | 24.345 | 24.316 | (1.081) | 2112596 | 40.0000 | 41.68 |
| 79 | Dibenzo(a,h)anthracene | 278 | 24.366 | 24.343 | (1.082) | 1836904 | 40.0000 | 43.14 |
| 80 | Benzo(g,h,i)perylene | 276 | 24.345 | 24.316 | (1.081) | 2112596 | 40.0000 | 41.68 |
| 90 | N-Nitrosodimethylamine | 74 | 4.061 | 4.043 | (0.474) | 445330 | 40.0000 | 39.44 |
| 103 | Pyridine | 79 | 4.034 | 4.059 | (0.471) | 666764 | 40.0000 | 39.89 |
| 91 | Aniline | 93 | 8.110 | 8.103 | (0.947) | 1100309 | 40.0000 | 41.66 |
| 105 | 1-methylnaphthalene | 141 | 11.973 | 11.970 | (1.126) | 752223 | 40.0000 | 40.69 |
| 93 | Benzidine | 184 | 18.175 | 18.172 | (0.895) | 774932 | 40.0000 | 38.32 |
| 111 | Azobenzene (1,2-DP-Hydrazine) | 77 | 14.681 | 14.673 | (1.085) | 1264992 | 40.0000 | 40.29 |
| 144 | alpha-Terpineol | 59 | 10.675 | 10.667 | (1.004) | 472819 | 40.0000 | 42.23 |
| 143 | 1,4-Dioxane | 88 | 3.276 | 3.284 | (0.382) | 263099 | 40.0000 | 38.23 |
| $ 137 | d8-1,4-Dioxane | 96 | 3.217 | 3.220 | (0.376) | 269683 | 40.0000 | 39.11 |
| 133 | Butylatedhydroxytoluene | 205 | 13.682 | 13.680 | (1.011) | 894644 | 40.0000 | 42.30 |
| 115 | Tributyl Phosphate | 99 | 14.702 | 14.689 | (0.922) | 1187260 | 40.0000 | 41.07 |
| 116 | Dibutyl Phenyl Phosphate | 175 | 16.460 | 16.458 | (1.032) | 706195 | 40.0000 | 42.31 |
| 117 | Butyl Diphenyl Phosphate | 94 | 18.175 | 18.167 | (0.895) | 359851 | 40.0000 | 40.60 |
| 118 | Triphenyl Phosphate | 326 | 19.804 | 19.796 | (0.975) | 293156 | 40.0000 | 40.92 |
| 123 | Acetophenone | 105 | 9.264 | 9.251 | (1.082) | 796710 | 40.0000 | 39.81 |

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0401001.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071001.b/SW846.m
Misc Info:

Calibration Date: 01-OCT-2007
Calibration Time: 10:54
Client Smp ID: ABN 40
Level:
Sample Type:

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 212076 | 106038 | 424152 | 197243 | -6.99 |
| 27 Naphthalene-d8 | 656578 | 328289 | 1313156 | 598570 | -8.83 |
| 42 Acenaphthene-d10 | 353705 | 176852 | 707410 | 315169 | -10.89 |
| 59 Phenanthrene-d10 | 526440 | 263220 | 1052880 | 491283 | -6.68 |
| 69 Chrysene-d12 | 581923 | 290962 | 1163846 | 602442 | 3.53 |
| 134 Di-n-octylphthala | 979097 | 489548 | 1958194 | 1001952 | 2.33 |
| 77 Perylene-d12 | 686531 | 343266 | 1373062 | 648300 | -5.57 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 8.57 | 8.07 | 9.07 | 8.56 | -0.04 |
| 27 Naphthalene-d8 | 10.63 | 10.13 | 11.13 | 10.63 | 0.02 |
| 42 Acenaphthene-d10 | 13.53 | 13.03 | 14.03 | 13.53 | 0.02 |
| 59 Phenanthrene-d10 | 15.95 | 15.45 | 16.45 | 15.94 | -0.02 |
| 69 Chrysene-d12 | 20.32 | 19.82 | 20.82 | 20.32 | 0.01 |
| 134 Di-n-octylphthala | 21.41 | 20.91 | 21.91 | 21.41 | 0.01 |
| 77 Perylene-d12 | 22.52 | 22.02 | 23.02 | 22.52 | 0.01 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

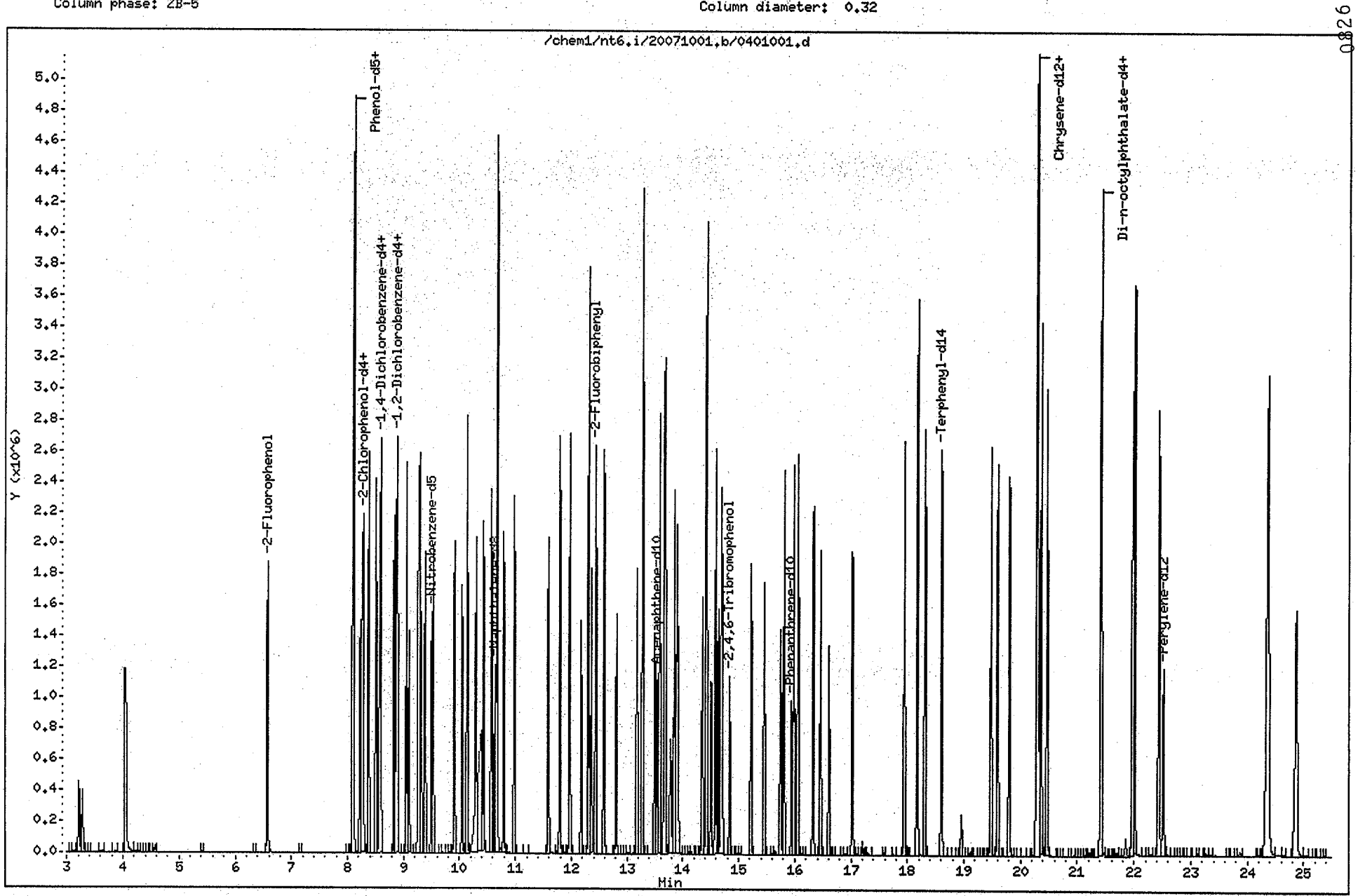
Data File: /chem1/nt6.i/20071001.b/0401001.d
Date : 01-OCT-2007 12:38
Client ID: ABN 40
Sample Info: ABN 40

Column phase: ZB-5

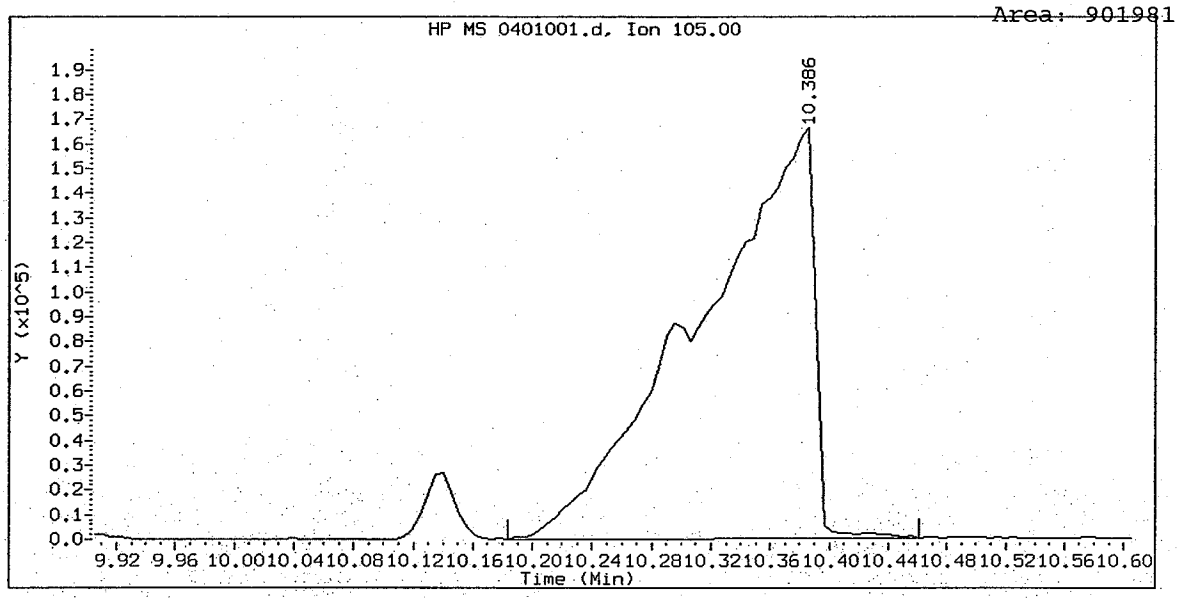
Instrument: nt6.i

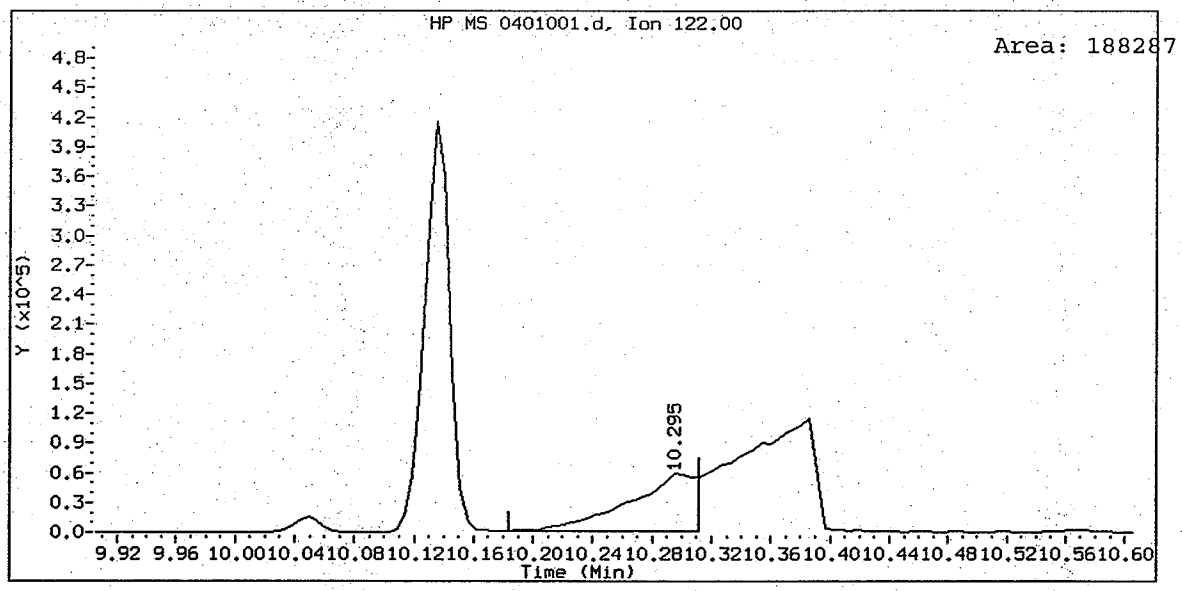
Operator: LJR/VTS
Column diameter: 0.32

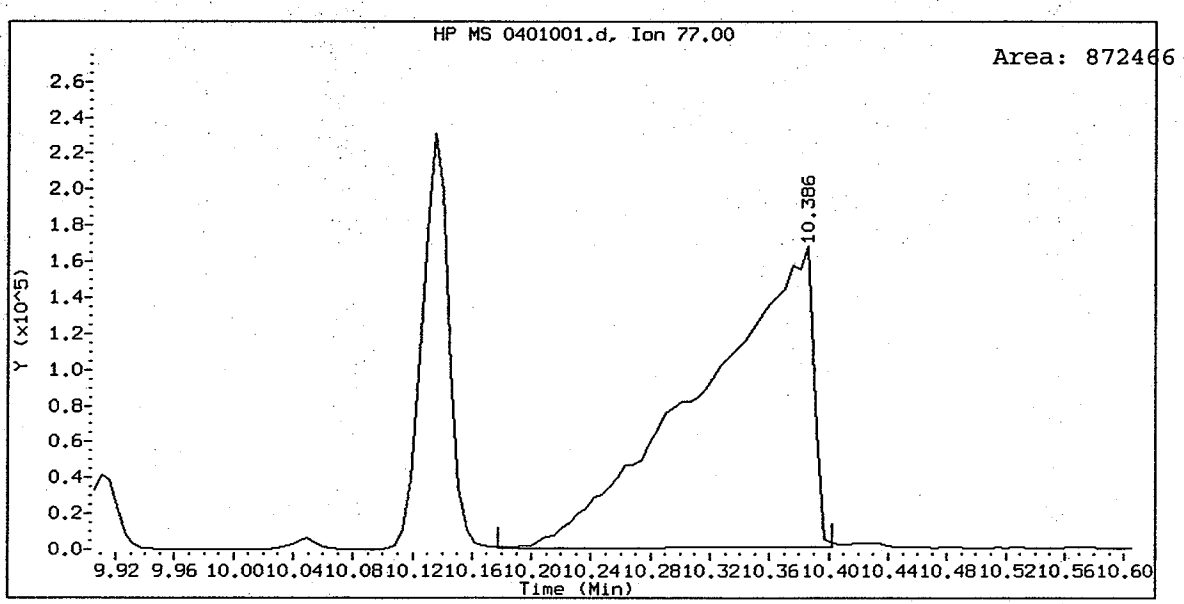




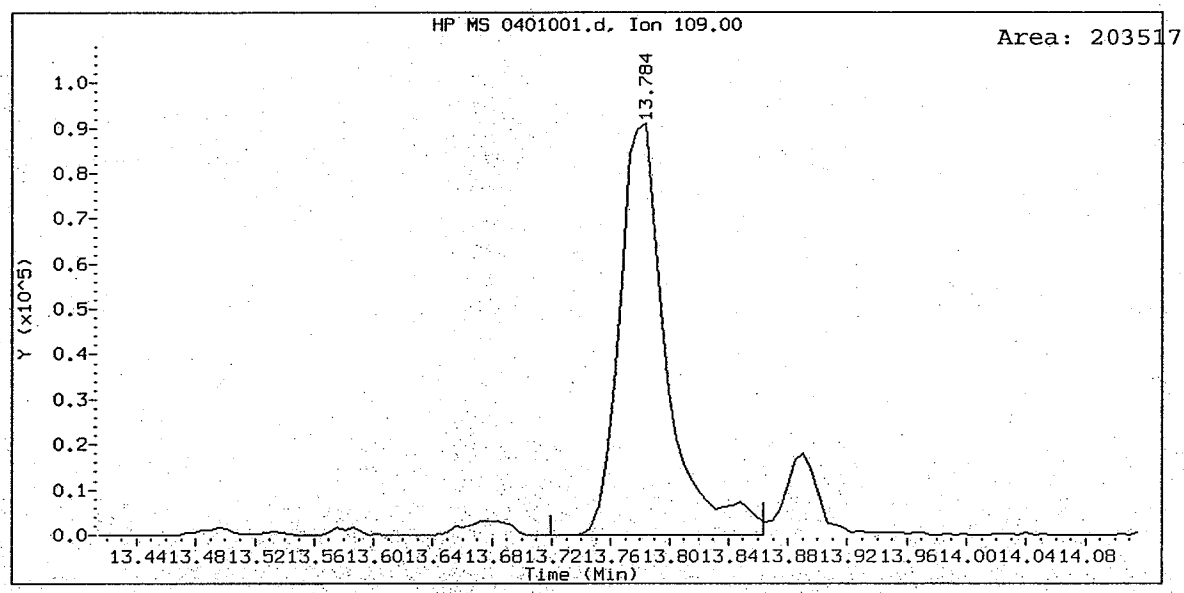
ABN 40, /chem1/nt6.i/20071001.b/0401001.d
Benzoic acid  Amount: 83.79

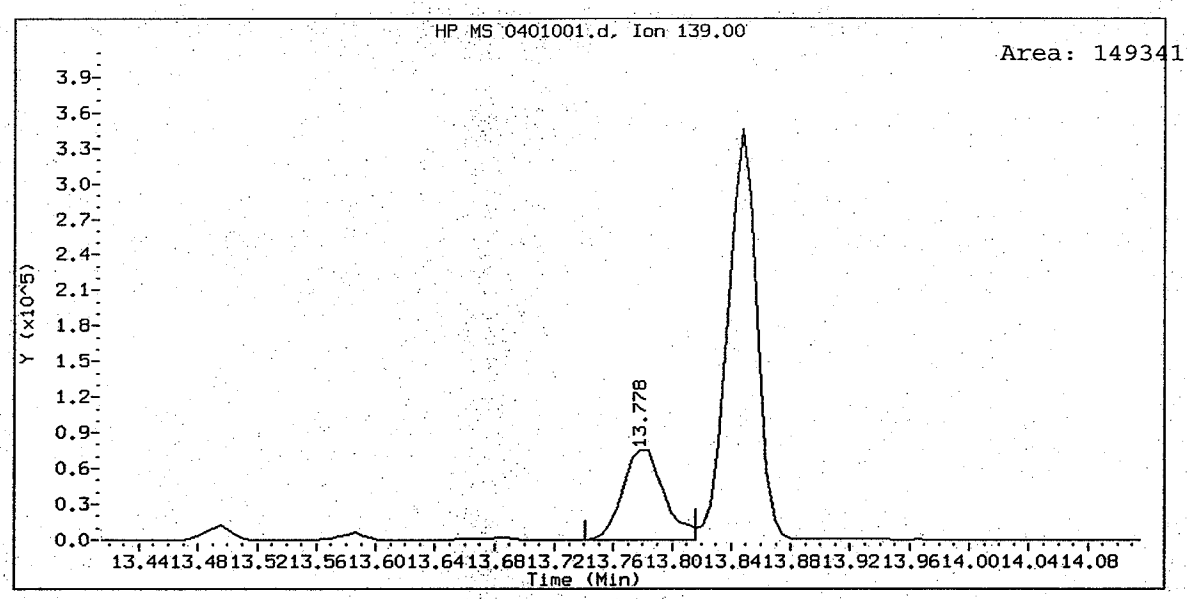


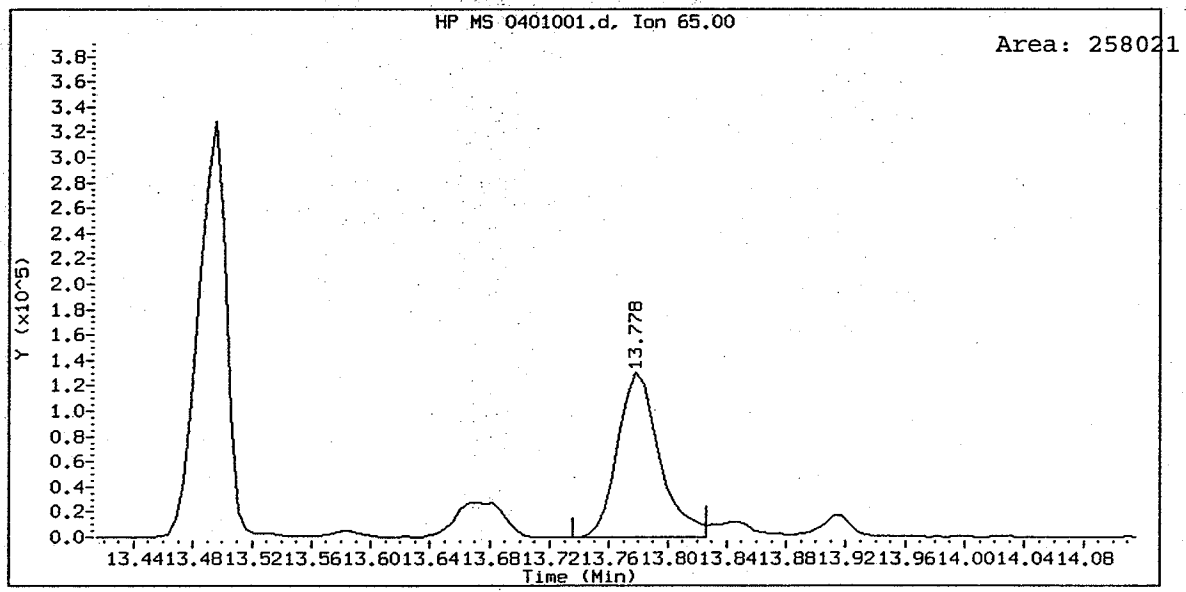



ABN 40, /chem1/nt6.i/20071001.b/0401001.d
4-Nitrophenol  Amount: 43.94



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0801001.d
Lab Smp Id: ABN 80 Client Smp ID: ABN 80
Inj Date : 01-OCT-2007 11:28
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20071001.b/SW846.m
Meth Date : 01-Oct-2007 16:04 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 10/1/07

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/mL) | AMOUNTS ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| $ | 1 2-Fluorophenol | 112 | 6.589 | 6.575 | (0.768) | 1784613 | 80.0000 | 81.14 |
| $ | 2 Phenol-d5 | 99 | 8.111 | 8.081 | (0.946) | 2345716 | 80.0000 | 83.49 |
| | 3 Phenol | 94 | 8.133 | 8.097 | (0.948) | 2777848 | 80.0000 | 79.78 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.266 | 8.252 | (0.964) | 1560294 | 80.0000 | 83.38 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.234 | 8.209 | (0.960) | 1858222 | 80.0000 | 78.97 |
| | 6 2-Chlorophenol | 128 | 8.293 | 8.273 | (0.967) | 1715616 | 80.0000 | 81.90 |
| | 7 1,3-Dichlorobenzene | 146 | 8.517 | 8.503 | (0.993) | 1850994 | 80.0000 | 79.53 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.576 | 8.562 | (1.000) | 298450 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.603 | 8.589 | (1.003) | 1873641 | 80.0000 | 78.06 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.875 | 8.866 | (1.035) | 1170941 | 80.0000 | 83.45 |
| | 12 1,2-Dichlorobenzene | 146 | 8.902 | 8.888 | (1.038) | 1777862 | 80.0000 | 78.76 |
| | 11 Benzyl alcohol | 108 | 8.854 | 8.824 | (1.032) | 1204680 | 80.0000 | 88.49 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.105 | 9.091 | (1.062) | 1881495 | 80.0000 | 86.65 |
| | 13 2-Methylphenol | 108 | 9.073 | 9.043 | (1.058) | 1684424 | 80.0000 | 84.18 |
| | 17 Hexachloroethane | 117 | 9.388 | 9.385 | (1.095) | 841868 | 80.0000 | 79.41 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.340 | 9.305 | (1.089) | 1578592 | 80.0000 | 75.23 |
| | 15 4-Methylphenol | 108 | 9.303 | 9.272 | (1.085) | 1815806 | 80.0000 | 86.64 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.516 | 9.491 | (0.895) | 2169964 | 80.0000 | 76.44 |
| | 19 Nitrobenzene | 77 | 9.548 | 9.518 | (0.898) | 2271523 | 80.0000 | 74.55 |
| | 20 Isophorone | 82 | 9.933 | 9.903 | (0.934) | 3364918 | 80.0000 | 75.00 |
| | 21 2-Nitrophenol | 139 | 10.061 | 10.047 | (0.946) | 864566 | 80.0000 | 84.85 |
| | 22 2,4-Dimethylphenol | 107 | 10.152 | 10.127 | (0.954) | 1857252 | 80.0000 | 79.77 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.307 | 10.287 | (0.969) | 2016107 | 80.0000 | 81.07 |
| | 24 Benzoic acid | 105 | 10.494 | 10.255 | (0.986) | 2836301 | 160.000 | 178.5(M) |
| | 25 2,4-Dichlorophenol | 162 | 10.440 | 10.421 | (0.981) | 1354645 | 80.0000 | 87.78 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.579 | 10.565 | (0.994) | 1503968 | 80.0000 | 79.94 |
| * | 27 Naphthalene-d8 | 136 | 10.638 | 10.629 | (1.000) | 883559 | 20.0000 | |