**Semivolatile Organics**
**Standard Raw Data**

**prepared**
**for**

**ANCHOR ENVIRONMENTAL**

**Project : KIMBERLY CLARK ANACORTES**

**ARI JOB NO. LR71**

**prepared**
**by**

**Analytical Resources, Inc.**

6B

# SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC  Client: ANCHOR

ARI Job No: LR71  Project: KIMBERLY CLARK ANACO

Instrument ID: NT6  Calibration Date: 09/29/07

LAB FILE ID: RRF1 =0011001 RRF5 =0051001 RRF10 =0101001
RRF25 =0251001 RRF40 =0401001 RRF80 =0801001

| COMPOUND | RRF 1 | RRF 5 | RRF 10 | RRF 25 | RRF 40 | RRF 80 | ___ RRF | %RSD /R^2 | |
|---|---|---|---|---|---|---|---|---|---|
| Phenol | 2.118 | 2.261 | 2.316 | 2.431 | 2.547 | 2.327 | 2.333 | 6.3 | * |
| Bis(2-Chloroethyl)ether | 1.612 | 1.637 | 1.576 | 1.536 | 1.543 | 1.556 | 1.577 | 2.6 | |
| 2-Chlorophenol | 1.401 | 1.395 | 1.356 | 1.398 | 1.434 | 1.437 | 1.404 | 2.1 | |
| 1,3-Dichlorobenzene | 1.538 | 1.597 | 1.558 | 1.546 | 1.568 | 1.550 | 1.560 | 1.3 | |
| 1,4-Dichlorobenzene | 1.544 | 1.675 | 1.611 | 1.612 | 1.638 | 1.569 | 1.608 | 2.9 | * |
| 1,2-Dichlorobenzene | 1.524 | 1.579 | 1.436 | 1.500 | 1.548 | 1.489 | 1.513 | 3.3 | |
| Benzyl alcohol | 0.758 | 0.913 | 0.916 | 0.915 | 0.961 | 1.009 | 0.912 | 9.2 | |
| 2,2'-oxybis(1-Chloropropane) | 1.460 | 1.465 | 1.368 | 1.450 | 1.411 | 1.576 | 1.455 | 4.8 | |
| 2-Methylphenol | 1.205 | 1.329 | 1.322 | 1.379 | 1.400 | 1.411 | 1.341 | 5.7 | |
| Hexachloroethane | 0.671 | 0.748 | 0.717 | 0.699 | 0.722 | 0.705 | 0.710 | 3.6 | |
| N-Nitroso-di-n-propylamine | 1.523 | 1.458 | 1.412 | 1.363 | 1.359 | 1.322 | 1.406 | 5.3 | ~ |
| 4-Methylphenol | 1.208 | 1.394 | 1.379 | 1.446 | 1.480 | 1.521 | 1.405 | 7.8 | |
| Nitrobenzene | 0.694 | 0.753 | 0.706 | 0.667 | 0.676 | 0.643 | 0.690 | 5.5 | |
| Isophorone | 1.058 | 1.065 | 1.015 | 1.003 | 1.000 | 0.952 | 1.016 | 4.1 | |
| 2-Nitrophenol | | 0.231 | 0.217 | 0.229 | 0.232 | 0.245 | 0.231 | 4.3 | * |
| 2,4-Dimethylphenol | 0.491 | 0.532 | 0.542 | 0.526 | 0.547 | 0.526 | 0.527 | 3.8 | |
| Bis(2-Chloroethoxy)methane | 0.542 | 0.567 | 0.563 | 0.563 | 0.572 | 0.570 | 0.563 | 1.9 | |
| 2,4-Dichlorophenol | | 0.323 | 0.326 | 0.353 | 0.361 | 0.383 | 0.349 | 7.2 | * |
| 1,2,4-Trichlorobenzene | 0.443 | 0.428 | 0.415 | 0.419 | 0.425 | 0.426 | 0.426 | 2.2 | |
| Naphthalene | 1.237 | 1.236 | 1.234 | 1.261 | 1.310 | 1.119 | 1.233 | 5.1 | |
| Benzoic acid | | 0.317 | 0.337 | 0.367 | 0.377 | 0.401 | 0.360 | 9.3 | |
| 4-Chloroaniline | | 0.463 | 0.463 | 0.476 | 0.482 | 0.500 | 0.477 | 3.3 | |
| Hexachlorobutadiene | 0.278 | 0.292 | 0.291 | 0.278 | 0.287 | 0.277 | 0.284 | 2.4 | * |
| 4-Chloro-3-methylphenol | | 0.396 | 0.398 | 0.411 | 0.422 | 0.413 | 0.408 | 2.6 | * |
| 2-Methylnaphthalene | 0.603 | 0.624 | 0.626 | 0.621 | 0.629 | 0.614 | 0.620 | 1.5 | |
| Hexachlorocyclopentadiene | | 0.369 | 0.402 | 0.459 | 0.494 | 0.496 | 0.444 | 12.7 | ~ |
| 2,4,6-Trichlorophenol | | 0.448 | 0.477 | 0.495 | 0.533 | 0.516 | 0.494 | 6.7 | * |
| 2,4,5-Trichlorophenol | | 0.444 | 0.442 | 0.484 | 0.509 | 0.512 | 0.478 | 7.1 | |
| 2-Chloronaphthalene | 1.394 | 1.335 | 1.308 | 1.299 | 1.368 | 1.323 | 1.338 | 2.7 | |
| 2-Nitroaniline | | 0.610 | 0.619 | 0.584 | 0.604 | 0.579 | 0.599 | 2.8 | |
| Acenaphthylene | 2.064 | 2.069 | 2.016 | 2.074 | 2.171 | 1.910 | 2.051 | 4.2 | |
| Dimethylphthalate | 1.379 | 1.376 | 1.334 | 1.343 | 1.359 | 1.332 | 1.354 | 1.5 | |
| 2,6-Dinitrotoluene | | 0.303 | 0.315 | 0.342 | 0.365 | 0.359 | 0.337 | 8.0 | |
| Acenaphthene | 1.329 | 1.281 | 1.266 | 1.285 | 1.324 | 1.281 | 1.294 | 2.0 | * |
| 3-Nitroaniline | | 0.302 | 0.305 | 0.325 | 0.325 | 0.351 | 0.322 | 6.1 | |
| 2,4-Dinitrophenol | | 0.138 | 0.184 | 0.271 | 0.324 | 0.329 | 0.249 | 34.3 | ~ |
| Dibenzofuran | 1.853 | 1.846 | 1.802 | 1.792 | 1.835 | 1.753 | 1.814 | 2.1 | |

* Compounds with maximum %RSD = 30%

~ Compounds with minimum average RRF = .05

<- Outside QC limits



FORM VI SV-1

# SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC  Client: ANCHOR

ARI Job No: LR71  Project: KIMBERLY CLARK ANACO

Instrument ID: NT6  Calibration Date: 09/29/07

LAB FILE ID: RRF1 =0011001 RRF5 =0051001 RRF10 =0101001
RRF25 =0251001 RRF40 =0401001 RRF80 =0801001

| COMPOUND | RRF 1 | RRF 5 | RRF 10 | RRF 25 | RRF 40 | RRF 80 | ___ RRF | %RSD /R^2 | |
|---|---|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | | 0.283 | 0.300 | 0.288 | 0.323 | 0.276 | 0.294 | 6.3 | ~ |
| 2,4-Dinitrotoluene | | 0.402 | 0.391 | 0.404 | 0.426 | 0.424 | 0.409 | 3.7 | |
| Fluorene | 1.422 | 1.400 | 1.370 | 1.454 | 1.560 | 1.386 | 1.432 | 4.8 | |
| 4-Chlorophenyl-phenylether | 0.777 | 0.796 | 0.768 | 0.790 | 0.850 | 0.807 | 0.798 | 3.7 | |
| Diethylphthalate | 1.423 | 1.400 | 1.349 | 1.338 | 1.382 | 1.319 | 1.368 | 2.9 | |
| 4-Nitroaniline | | 0.261 | 0.273 | 0.290 | 0.303 | 0.312 | 0.288 | 7.3 | |
| 4,6-Dinitro-2-methylphenol | | 0.175 | 0.188 | 0.208 | 0.216 | 0.225 | 0.202 | 10.2 | |
| N-Nitrosodiphenylamine (1) | 0.545 | 0.518 | 0.484 | 0.488 | 0.489 | 0.535 | 0.510 | 5.2 | |
| 4-Bromophenyl-phenylether | 0.259 | 0.280 | 0.280 | 0.273 | 0.276 | 0.292 | 0.277 | 3.9 | |
| Hexachlorobenzene | 0.299 | 0.282 | 0.271 | 0.272 | 0.275 | 0.290 | 0.282 | 3.9 | |
| Pentachlorophenol | | 0.161 | 0.168 | 0.170 | 0.192 | 0.194 | 0.177 | 8.4 | * |
| Phenanthrene | 1.355 | 1.290 | 1.268 | 1.263 | 1.293 | 1.230 | 1.283 | 3.3 | |
| Anthracene | 1.313 | 1.285 | 1.261 | 1.287 | 1.320 | 1.243 | 1.285 | 2.3 | |
| Carbazole | 1.190 | 1.092 | 1.112 | 1.140 | 1.197 | 1.126 | 1.143 | 3.7 | |
| Di-n-butylphthalate | 1.414 | 1.329 | 1.334 | 1.298 | 1.379 | 1.242 | 1.333 | 4.5 | |
| Fluoranthene | 1.525 | 1.419 | 1.460 | 1.467 | 1.597 | 1.336 | 1.467 | 6.1 | * |
| Pyrene | 1.558 | 1.529 | 1.423 | 1.383 | 1.369 | 1.356 | 1.436 | 6.0 | |
| Butylbenzylphthalate | 0.683 | 0.638 | 0.646 | 0.616 | 0.628 | 0.577 | 0.631 | 5.5 | |
| Benzo(a)anthracene | 1.639 | 1.541 | 1.589 | 1.592 | 1.617 | 1.424 | 1.567 | 4.9 | |
| 3,3'-Dichlorobenzidine | | 0.629 | 0.637 | 0.656 | 0.661 | 0.623 | 0.641 | 2.6 | |
| Chrysene | 1.484 | 1.387 | 1.409 | 1.416 | 1.423 | 1.329 | 1.408 | 3.6 | |
| bis(2-Ethylhexyl)phthalate | 0.758 | 0.620 | 0.579 | 0.588 | 0.569 | 0.515 | 0.605 | 13.7 | |
| Di-n-octylphthalate | 1.355 | 1.262 | 1.172 | 1.122 | 1.070 | 0.941 | 1.154 | 12.6 | * |
| Benzo(b)fluoranthene | 1.366 | 1.356 | 1.458 | 1.378 | 1.577 | 1.482 | 1.436 | 6.0 | |
| Benzo(k)fluoranthene | 1.586 | 1.561 | 1.508 | 1.598 | 1.588 | 1.273 | 1.519 | 8.2 | |
| Benzo(a)pyrene | 1.354 | 1.285 | 1.281 | 1.327 | 1.372 | 1.291 | 1.318 | 2.9 | * |
| Indeno(1,2,3-cd)pyrene | 1.447 | 1.496 | 1.491 | 1.576 | 1.629 | 1.742 | 1.564 | 7.0 | |
| Dibenzo(a,h)anthracene | 1.176 | 1.239 | 1.251 | 1.335 | 1.417 | 1.464 | 1.314 | 8.5 | |
| Benzo(g,h,i)perylene | 1.447 | 1.496 | 1.491 | 1.576 | 1.629 | 1.742 | 1.564 | 7.0 | |
| N-Nitrosodimethylamine | | 1.169 | 1.158 | 1.152 | 1.129 | 1.117 | 1.145 | 1.9 | |
| Aniline | | 2.665 | 2.618 | 2.697 | 2.789 | 2.622 | 2.678 | 2.6 | |
| Benzidine | | 0.805 | 0.749 | 0.602 | 0.643 | 0.558 | 0.671 | 15.3 | |
| Pyridine | | 1.709 | 1.707 | 1.724 | 1.690 | 1.645 | 1.695 | 1.8 | |
| 1-methylnaphthalene | 0.618 | 0.620 | 0.615 | 0.611 | 0.628 | 0.614 | 0.618 | 1.0 | |
| Azobenzene (1,2-DP-Hydrazine | 2.052 | 2.119 | 2.035 | 1.971 | 2.007 | 1.769 | 1.992 | 6.0 | |
| 2-Fluorophenol | | 1.500 | 1.421 | 1.453 | 1.500 | 1.495 | 1.474 | 2.4 | |

(1) Cannot be seperated from Diphenylamine
* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

6C

# SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC  Client: ANCHOR

ARI Job No: LR71  Project: KIMBERLY CLARK ANACO

Instrument ID: NT6  Calibration Date: 09/29/07

LAB FILE ID: RRF1 =0011001 RRF5 =0051001 RRF10 =0101001
RRF25 =0251001 RRF40 =0401001 RRF80 =0801001

| COMPOUND | RRF 1 | RRF 5 | RRF 10 | RRF 25 | RRF 40 | RRF 80 | ___ RRF | %RSD /R^2 |
|---|---|---|---|---|---|---|---|---|
| Phenol-d5 | | 1.820 | 1.775 | 1.898 | 1.955 | 1.965 | 1.883 | 4.4 |
| 2-Chlorophenol-d4 | | 1.239 | 1.203 | 1.251 | 1.269 | 1.307 | 1.254 | 3.1 |
| 1,2-Dichlorobenzene-d4 | | 0.962 | 0.891 | 0.912 | 0.956 | 0.981 | 0.940 | 4.0 |
| Nitrobenzene-d5 | | 0.686 | 0.642 | 0.626 | 0.644 | 0.614 | 0.642 | 4.3 |
| 2-Fluorobiphenyl | | 1.610 | 1.506 | 1.538 | 1.611 | 1.521 | 1.557 | 3.2 |
| 2,4,6-Tribromophenol | | 0.188 | 0.179 | 0.194 | 0.200 | 0.208 | 0.194 | 5.7 |
| Terphenyl-d14 | | 0.942 | 0.884 | 0.880 | 0.886 | 0.902 | 0.899 | 2.9 |

* Compounds with maximum %RSD = 30%

~ Compounds with minimum average RRF = .05

<- Outside QC limits



FORM VI SV-3

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20071001.b/0011001.d
Level 2: /chem1/nt6.i/20071001.b/0051001.d
Level 3: /chem1/nt6.i/20071001.b/0101001.d
Level 4: /chem1/nt6.i/20071001.b/0251001.d
Level 5: /chem1/nt6.i/20071001.b/0401001.d
Level 6: /chem1/nt6.i/20071001.b/0801001.d

| Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|
| 169 4-tert-Butylphenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 170 N,N-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 171 2,3-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 172 2,4-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 173 2,5-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 174 2,6-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 175 3,4-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 176 3,5-Dimethylaniline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 177 p-Benzoquinone | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 168 Pentachlorobenzene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 145 4,4'-DDE | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 146 4,4'-DDD | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 147 4,4'-DDT | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 148 Dieldrin | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 149 TCMX | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 150 DCBP | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 138 Chlorobenzilate | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 139 Isodrin | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 140 Diallate A | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 141 Diallate B | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 142 1,2-Dibromo-3-Chloropropane | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

| Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|
| 135 2,3,5,6-Tetrachlorophenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 136 2,3,4,5-tetrachlorophenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 133 Butylatedhydroxytoluene | 1.37392 | 1.38349 | 1.31823 | 1.31055 | 1.41931 | 1.24760 | 1.34218 | 4.615 | |
| 132 3,6-Dimethylphenanthrene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 131 1-Methylphenanthrene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 130 Dibenzothiophene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 129 1-Methylfluorene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 128 N-Hexadecane | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 127 2-Isopropylnaphthalene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 126 N-Tetradecane | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 144 alpha-Terpineol | 0.34346 | 0.35939 | 0.37553 | 0.37474 | 0.39496 | 0.39647 | 0.37409 | 5.469 | |
| 125 Safrole | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 124 3,4-Dimethylphenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 123 Acetophenone | 2.04028 | 2.07960 | 2.06867 | 2.01332 | 2.01962 | 1.95494 | 2.02940 | 2.212 | |
| 122 Furfuraldehyde | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 143 1,4-Dioxane | 0.71161 | 0.72186 | 0.69248 | 0.68908 | 0.66694 | 0.70535 | 0.69789 | 2.781 | |
| 121 Quinoline | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 120 2,3,4,6-Tetrachlorophenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 178 2-Benzyl-4-Chlorophenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 119 7,12-Dimethylbenz(a)anthracen | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 118 Triphenyl Phosphate | 0.25432 | 0.23737 | 0.23441 | 0.23354 | 0.24331 | 0.22409 | 0.23784 | 4.291 | |
| 117 Butyl Diphenyl Phosphate | 0.31803 | 0.28912 | 0.28801 | 0.28145 | 0.29866 | 0.29001 | 0.29421 | 4.384 | |
| 116 Dibutyl Phenyl Phosphate | 0.69062 | 0.67355 | 0.66198 | 0.66570 | 0.71873 | 0.66653 | 0.67952 | 3.200 | |
| 115 Tributyl Phosphate | 1.19543 | 1.18168 | 1.14483 | 1.16694 | 1.20833 | 1.16366 | 1.17681 | 1.959 | |
| 114 Beta-Pinene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 113 Diphenyl Oxide | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 112 Biphenyl | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 111 Azobenzene (1,2-DP-Hydrazine) | 2.05227 | 2.11923 | 2.03485 | 1.97064 | 2.00685 | 1.76915 | 1.99216 | 6.023 | |
| 110 Tetrachloroguaiacol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

| | Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|---|
| 109 | 3,4,5-Trichloroguaiacol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 108 | 4,5,6-Trichloroguaiacol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 107 | 4,5-Dichloro-2-Methoxyphenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 106 | Guaiacol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 105 | 1-methylnaphthalene | 0.61857 | 0.61954 | 0.61461 | 0.61088 | 0.62835 | 0.61442 | 0.61773 | 0.983 | |
| 151 | 1,2,4,5-Tetrachlorobenzene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 152 | Benzo(e)pyrene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 153 | Chlorpyrifos | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 154 | Diazinon | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 155 | Kelthane | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 156 | Methyl Parathion | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 157 | Ethyl Parathion | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 158 | Ethion | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 159 | 4-Nonylphenol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 160 | Tetraethyl Tin | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 161 | 1,2,3-Trichloronaphthalene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 162 | 1,2,3,4-Tetrachloronapthalene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 163 | 1,2,3,5,8-Pentachloronaphthal | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 164 | 1,2,3,4,6,7-Hexachloronaphtha | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 165 | 1,2,3,4,5,6,7-Heptachloronaph | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 166 | Octachloronaphthalene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 167 | 2,2',4,4',5-Pentabromobipheny | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| 3 | Phenol | 2.11836 | 2.26069 | 2.31578 | 2.43068 | 2.54744 | 2.32690 | 2.33331 | 6.274 | |
| 4 | Bis(2-Chloroethyl)ether | 1.61188 | 1.63739 | 1.57611 | 1.53652 | 1.54262 | 1.55656 | 1.57685 | 2.553 | |
| 6 | 2-Chlorophenol | 1.40150 | 1.39525 | 1.35551 | 1.39848 | 1.43440 | 1.43711 | 1.40371 | 2.134 | |
| 7 | 1,3-Dichlorobenzene | 1.53822 | 1.59693 | 1.55855 | 1.54588 | 1.56841 | 1.55051 | 1.55975 | 1.345 | |
| 9 | 1,4-Dichlorobenzene | 1.54430 | 1.67539 | 1.61136 | 1.61192 | 1.63842 | 1.56948 | 1.60848 | 2.921 | |
| 11 | Benzyl alcohol | 0.75829 | 0.91315 | 0.91658 | 0.91545 | 0.96138 | 1.00911 | 0.91233 | 9.240 | |
| 12 | 1,2-Dichlorobenzene | 1.52413 | 1.57872 | 1.43630 | 1.49972 | 1.54809 | 1.48925 | 1.51270 | 3.278 | |

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

| Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 13 2-Methylphenol | 1.20493 | 1.32933 | 1.32168 | 1.37907 | 1.39979 | 1.41098 | 1.34096 | 5.662 |
| 14 2,2'-oxybis(1-Chloropropane) | 1.46015 | 1.46525 | 1.36797 | 1.45000 | 1.41145 | 1.57606 | 1.45514 | 4.789 |
| 15 4-Methylphenol | 1.20806 | 1.39363 | 1.37866 | 1.44596 | 1.47967 | 1.52103 | 1.40450 | 7.821 |
| 16 N-Nitroso-di-n-propylamine | 1.52312 | 1.45768 | 1.41233 | 1.36299 | 1.35906 | 1.32233 | 1.40625 | 5.272 |
| 17 Hexachloroethane | 0.67138 | 0.74772 | 0.71713 | 0.69943 | 0.72203 | 0.70520 | 0.71048 | 3.585 |
| 19 Nitrobenzene | 0.69432 | 0.75260 | 0.70581 | 0.66666 | 0.67595 | 0.64272 | 0.68968 | 5.489 |
| 20 Isophorone | 1.05795 | 1.06463 | 1.01511 | 1.00310 | 1.00037 | 0.95209 | 1.01554 | 4.088 |
| 21 2-Nitrophenol | +++++ | 0.23066 | 0.21672 | 0.22919 | 0.23204 | 0.24463 | 0.23065 | 4.300 |
| 22 2,4-Dimethylphenol | 0.49064 | 0.53161 | 0.54155 | 0.52551 | 0.54724 | 0.52550 | 0.52701 | 3.766 |
| 23 Bis(2-Chloroethoxy)methane | 0.54216 | 0.56668 | 0.56342 | 0.56294 | 0.57172 | 0.57045 | 0.56290 | 1.912 |
| 24 Benzoic acid | +++++ | 0.31671 | 0.33675 | 0.36705 | 0.37672 | 0.40126 | 0.35970 | 9.269 |
| 25 2,4-Dichlorophenol | +++++ | 0.32318 | 0.32654 | 0.35282 | 0.36072 | 0.38329 | 0.34931 | 7.155 |
| 26 1,2,4-Trichlorobenzene | 0.44292 | 0.42775 | 0.41541 | 0.41868 | 0.42478 | 0.42554 | 0.42584 | 2.244 |
| 28 Naphthalene | 1.23746 | 1.23602 | 1.23404 | 1.26108 | 1.30965 | 1.11866 | 1.23282 | 5.100 |
| 29 4-Chloroaniline | +++++ | 0.46322 | 0.46270 | 0.47625 | 0.48196 | 0.50038 | 0.47690 | 3.258 |
| 30 Hexachlorobutadiene | 0.27817 | 0.29235 | 0.29068 | 0.27854 | 0.28735 | 0.27708 | 0.28403 | 2.425 |
| 31 4-Chloro-3-methylphenol | +++++ | 0.39639 | 0.39786 | 0.41117 | 0.42155 | 0.41327 | 0.40805 | 2.626 |
| 32 2-Methylnaphthalene | 0.60309 | 0.62424 | 0.62581 | 0.62087 | 0.62903 | 0.61362 | 0.61944 | 1.546 |
| 33 Hexachlorocyclopentadiene | +++++ | 0.36945 | 0.40196 | 0.45933 | 0.49442 | 0.49590 | 0.44421 | 12.733 |
| 34 2,4,6-Trichlorophenol | +++++ | 0.44851 | 0.47675 | 0.49507 | 0.53283 | 0.51559 | 0.49375 | 6.672 |
| 35 2,4,5-Trichlorophenol | +++++ | 0.44419 | 0.44225 | 0.48404 | 0.50874 | 0.51196 | 0.47824 | 7.057 |
| 37 2-Chloronaphthalene | 1.39411 | 1.33497 | 1.30804 | 1.29915 | 1.36839 | 1.32263 | 1.33788 | 2.741 |
| 38 2-Nitroaniline | +++++ | 0.61023 | 0.61887 | 0.58402 | 0.60353 | 0.57931 | 0.59919 | 2.834 |
| 39 Dimethylphthalate | 1.37881 | 1.37628 | 1.33365 | 1.34286 | 1.35904 | 1.33207 | 1.35379 | 1.534 |
| 40 Acenaphthylene | 2.06448 | 2.06881 | 2.01655 | 2.07423 | 2.17132 | 1.90957 | 2.05083 | 4.178 |
| 41 2,6-Dinitrotoluene | +++++ | 0.30318 | 0.31507 | 0.34185 | 0.36499 | 0.35860 | 0.33674 | 7.993 |
| 43 3-Nitroaniline | +++++ | 0.30231 | 0.30490 | 0.32483 | 0.32501 | 0.35074 | 0.32156 | 6.068 |
| 44 Acenaphthene | 1.32914 | 1.28128 | 1.26599 | 1.28514 | 1.32376 | 1.28091 | 1.29437 | 1.990 |
| 45 2,4-Dinitrophenol | +++++ | 0.13757 | 0.18442 | 0.27119 | 0.32447 | 0.32945 | 0.24942 | 34.283 |

BB 10/16/07

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

| Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 46 Dibenzofuran | 1.85303 | 1.84622 | 1.80170 | 1.79154 | 1.83494 | 1.75294 | 1.81339 | 2.119 |
| 47 4-Nitrophenol | +++++ | 0.28296 | 0.30031 | 0.28772 | 0.32287 | 0.27585 | 0.29394 | 6.282 |
| 48 2,4-Dinitrotoluene | +++++ | 0.40228 | 0.39100 | 0.40377 | 0.42651 | 0.42440 | 0.40959 | 3.740 |
| 49 Fluorene | 1.42232 | 1.40045 | 1.37019 | 1.45443 | 1.56048 | 1.38601 | 1.43231 | 4.840 |
| 50 Diethylphthalate | 1.42342 | 1.40021 | 1.34903 | 1.33845 | 1.38151 | 1.31865 | 1.36855 | 2.915 |
| 51 4-Chlorophenyl-phenylether | 0.77731 | 0.79621 | 0.76770 | 0.78988 | 0.85040 | 0.80738 | 0.79815 | 3.652 |
| 52 4-Nitroaniline | +++++ | 0.26078 | 0.27299 | 0.29024 | 0.30307 | 0.31190 | 0.28780 | 7.308 |
| 53 4,6-Dinitro-2-methylphenol | +++++ | 0.17470 | 0.18840 | 0.20785 | 0.21647 | 0.22539 | 0.20256 | 10.235 |
| 54 N-Nitrosodiphenylamine | 0.54529 | 0.51818 | 0.48383 | 0.48800 | 0.48912 | 0.53482 | 0.50987 | 5.213 |
| 56 4-Bromophenyl-phenylether | 0.25919 | 0.27998 | 0.28051 | 0.27334 | 0.27551 | 0.29233 | 0.27681 | 3.920 |
| 57 Hexachlorobenzene | 0.29882 | 0.28253 | 0.27098 | 0.27258 | 0.27520 | 0.28968 | 0.28163 | 3.883 |
| 58 Pentachlorophenol | +++++ | 0.16126 | 0.16750 | 0.16955 | 0.19166 | 0.19357 | 0.17671 | 8.406 |
| 60 Phenanthrene | 1.35502 | 1.29006 | 1.26832 | 1.26277 | 1.29293 | 1.23017 | 1.28321 | 3.260 |
| 61 Anthracene | 1.31303 | 1.28514 | 1.26112 | 1.28662 | 1.32012 | 1.24323 | 1.28488 | 2.292 |
| 62 Carbazole | 1.19021 | 1.09212 | 1.11190 | 1.13969 | 1.19717 | 1.12642 | 1.14292 | 3.713 |
| 63 Di-n-butylphthalate | 1.41358 | 1.32903 | 1.33415 | 1.29854 | 1.37863 | 1.24198 | 1.33265 | 4.510 |
| 64 Fluoranthene | 1.52538 | 1.41936 | 1.45952 | 1.46696 | 1.59732 | 1.33614 | 1.46745 | 6.083 |
| 65 Pyrene | 1.55817 | 1.52908 | 1.42292 | 1.38326 | 1.36875 | 1.35633 | 1.43642 | 6.022 |
| 67 Butylbenzylphthalate | 0.68318 | 0.63814 | 0.64606 | 0.61631 | 0.62852 | 0.57741 | 0.63160 | 5.527 |
| 68 Benzo(a)anthracene | 1.63918 | 1.54083 | 1.58938 | 1.59227 | 1.61671 | 1.42380 | 1.56703 | 4.944 |
| 70 3,3'-Dichlorobenzidine | +++++ | 0.62875 | 0.63724 | 0.65631 | 0.66107 | 0.62331 | 0.64134 | 2.602 |
| 71 Chrysene | 1.48451 | 1.38712 | 1.40879 | 1.41640 | 1.42341 | 1.32901 | 1.40821 | 3.598 |
| 72 bis(2-Ethylhexyl)phthalate | 0.75804 | 0.61992 | 0.57932 | 0.58791 | 0.56861 | 0.51470 | 0.60475 | 13.651 |
| 73 Di-n-octylphthalate | 1.35477 | 1.26215 | 1.17196 | 1.12176 | 1.06977 | 0.94131 | 1.15362 | 12.603 |
| 74 Benzo(b)fluoranthene | 1.36594 | 1.35610 | 1.45759 | 1.37834 | 1.57673 | 1.48245 | 1.43619 | 5.993 |
| 75 Benzo(k)fluoranthene | 1.58640 | 1.56144 | 1.50759 | 1.59848 | 1.58851 | 1.27315 | 1.51926 | 8.225 |
| 76 Benzo(a)pyrene | 1.35386 | 1.28526 | 1.28122 | 1.32669 | 1.37253 | 1.29083 | 1.31840 | 2.937 |
| 78 Indeno(1,2,3-cd)pyrene | 1.44690 | 1.49652 | 1.49061 | 1.57597 | 1.62934 | 1.74208 | 1.56357 | 6.993 |
| 79 Dibenzo(a,h)anthracene | 1.17571 | 1.23911 | 1.25085 | 1.33532 | 1.41671 | 1.46428 | 1.31366 | 8.498 |

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 29-SEP-2007 14:57
End Cal Date : 01-OCT-2007 13:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20071001.b/SW846.m
Cal Date : 01-Oct-2007 16:04 jeff
Curve Type : Average

| | Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 25.000 Level 4 | 40.000 Level 5 | 80.000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 80 Benzo(g,h,i)perylene | 1.44690 | 1.49652 | 1.49061 | 1.57597 | 1.62934 | 1.74208 | 1.56357 | 6.993 | |
| | 90 N-Nitrosodimethylamine | +++++ | 1.16894 | 1.15797 | 1.15200 | 1.12889 | 1.11739 | 1.14504 | 1.859 | |
| | 91 Aniline | +++++ | 2.66483 | 2.61845 | 2.69712 | 2.78922 | 2.62225 | 2.67837 | 2.611 | |
| | 92 1,2-Diphenylhydrazine | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 93 Benzidine | +++++ | 0.80484 | 0.74894 | 0.60168 | 0.64316 | 0.55843 | 0.67141 | 15.305 | <- |
| | 96 p-Cymene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 97 Caffeine | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 98 Retene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 99 Perylene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 100 3-beta-Coprostanol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 101 Cholesterol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 102 beta-Sitosterol | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| | 103 Pyridine | +++++ | 1.70911 | 1.70711 | 1.72379 | 1.69021 | 1.64464 | 1.69497 | 1.802 | |
| $ | 1 2-Fluorophenol | +++++ | 1.49956 | 1.42130 | 1.45331 | 1.50011 | 1.49490 | 1.47384 | 2.393 | |
| $ | 137 d8-1,4-Dioxane | +++++ | 0.73172 | 0.67928 | 0.69818 | 0.68363 | 0.70323 | 0.69921 | 2.960 | |
| $ | 2 Phenol-d5 | +++++ | 1.82020 | 1.77478 | 1.89858 | 1.95520 | 1.96492 | 1.88273 | 4.430 | |
| $ | 5 2-Chlorophenol-d4 | +++++ | 1.23940 | 1.20299 | 1.25131 | 1.26908 | 1.30700 | 1.25395 | 3.052 | |
| $ | 10 1,2-Dichlorobenzene-d4 | +++++ | 0.96152 | 0.89101 | 0.91189 | 0.95635 | 0.98085 | 0.94033 | 3.975 | |
| $ | 18 Nitrobenzene-d5 | +++++ | 0.68613 | 0.64217 | 0.62626 | 0.64439 | 0.61398 | 0.64259 | 4.251 | |
| $ | 36 2-Fluorobiphenyl | +++++ | 1.61023 | 1.50634 | 1.53753 | 1.61081 | 1.52102 | 1.55719 | 3.206 | |
| $ | 55 2,4,6-Tribromophenol | +++++ | 0.18851 | 0.17914 | 0.19402 | 0.20020 | 0.20834 | 0.19404 | 5.733 | |
| $ | 66 Terphenyl-d14 | +++++ | 0.94255 | 0.88382 | 0.88046 | 0.88649 | 0.90214 | 0.89909 | 2.856 | |
| $ | 85 p-Cresol-d4 | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| $ | 86 Anthracene-d10 | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| $ | 87 Fluoranthene-d10 | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| $ | 88 Dibenz(a,h)anthracene-d14 | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| $ | 89 Diphenyl-d10 | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |
| $ | 95 D10-1-methylnaphthalene | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | +++++ | <- |

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0011001.d
Lab Smp Id: ABN 1 Client Smp ID: ABN 1
Inj Date : 01-OCT-2007 12:03
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 1
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: 3 Calibration Sample, Level: 1
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) | ON-COL (ug/mL) |
|---|---|---|---|---|---|---|---|---|
| $ | 1 2-Fluorophenol | 112 | 6.574 | 6.575 | (0.768) | 14670 | 1.00000 | 0.9164 |
| $ | 2 Phenol-d5 | 99 | 8.081 | 8.081 | (0.944) | 18320 | 1.00000 | 0.8959 |
| | 3 Phenol | 94 | 8.097 | 8.097 | (0.946) | 23008 | 1.00000 | 0.9079 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.252 | 8.252 | (0.964) | 13691 | 1.00000 | 1.005 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.209 | 8.209 | (0.959) | 17507 | 1.00000 | 1.022 |
| | 6 2-Chlorophenol | 128 | 8.273 | 8.273 | (0.966) | 15222 | 1.00000 | 0.9984 |
| | 7 1,3-Dichlorobenzene | 146 | 8.503 | 8.503 | (0.993) | 16707 | 1.00000 | 0.9862 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.562 | 8.562 | (1.000) | 217225 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.588 | 8.589 | (1.003) | 16773 | 1.00000 | 0.9601 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.866 | 8.866 | (1.036) | 10325 | 1.00000 | 1.011(M) |
| | 12 1,2-Dichlorobenzene | 146 | 8.887 | 8.888 | (1.038) | 16554 | 1.00000 | 1.008 |
| | 11 Benzyl alcohol | 108 | 8.829 | 8.824 | (1.031) | 8236 | 1.00000 | 0.8312 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.090 | 9.091 | (1.062) | 15859 | 1.00000 | 1.003 |
| | 13 2-Methylphenol | 108 | 9.042 | 9.043 | (1.056) | 13087 | 1.00000 | 0.8986 |
| | 17 Hexachloroethane | 117 | 9.384 | 9.385 | (1.096) | 7292 | 1.00000 | 0.9450 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.299 | 9.305 | (1.086) | 16543 | 1.00000 | 1.083 |
| | 15 4-Methylphenol | 108 | 9.272 | 9.272 | (1.083) | 13121 | 1.00000 | 0.8601 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.491 | 9.491 | (0.893) | 21932 | 1.00000 | 1.006 |
| | 19 Nitrobenzene | 77 | 9.518 | 9.518 | (0.895) | 23555 | 1.00000 | 1.007 |
| | 20 Isophorone | 82 | 9.902 | 9.903 | (0.932) | 35891 | 1.00000 | 1.042 |
| | 21 2-Nitrophenol | 139 | 10.047 | 10.047 | (0.945) | 7031 | 1.00000 | 0.8986 |
| | 22 2,4-Dimethylphenol | 107 | 10.127 | 10.127 | (0.953) | 16645 | 1.00000 | 0.9310 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.287 | 10.287 | (0.968) | 18393 | 1.00000 | 0.9632 |
| | 24 Benzoic acid | 105 | 10.218 | 10.255 | (0.961) | 16444 | 5.00000 | 1.348(M) |
| | 25 2,4-Dichlorophenol | 162 | 10.421 | 10.421 | (0.980) | 8934 | 1.00000 | 0.7539 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.570 | 10.565 | (0.994) | 15026 | 1.00000 | 1.040 |
| * | 27 Naphthalene-d8 | 136 | 10.629 | 10.629 | (1.000) | 678504 | 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 | 10.661 | 10.661 | (1.003) | 41981 | 1.00000 | 1.004 |
| | 29 4-Chloroaniline | 127 | 10.789 | 10.784 | (1.015) | 14145 | 1.00000 | 0.8743 |
| | 30 Hexachlorobutadiene | 225 | 10.976 | 10.977 | (1.033) | 9437 | 1.00000 | 0.9794 |
| | 31 4-Chloro-3-methylphenol | 107 | 11.591 | 11.586 | (1.090) | 13457 | 1.00000 | 0.9721(M) |
| | 32 2-Methylnaphthalene | 141 | 11.788 | 11.794 | (1.109) | 20460 | 1.00000 | 0.9736 |
| | 33 Hexachlorocyclopentadiene | 237 | 12.178 | 12.179 | (0.900) | 4253 | 1.00000 | 0.5267 |
| | 34 2,4,6-Trichlorophenol | 196 | 12.306 | 12.301 | (0.910) | 6268 | 1.00000 | 0.6983 |
| | 35 2,4,5-Trichlorophenol | 196 | 12.365 | 12.360 | (0.914) | 9026 | 1.00000 | 1.038(M) |
| $ | 36 2-Fluorobiphenyl | 172 | 12.435 | 12.435 | (0.919) | 28945 | 1.00000 | 1.022 |
| | 37 2-Chloronaphthalene | 162 | 12.584 | 12.585 | (0.930) | 25344 | 1.00000 | 1.042 |
| | 38 2-Nitroaniline | 65 | 12.803 | 12.804 | (0.946) | 10459 | 1.00000 | 0.9602 |
| | 39 Dimethylphthalate | 163 | 13.172 | 13.172 | (0.974) | 25066 | 1.00000 | 1.018 |
| | 40 Acenaphthylene | 152 | 13.273 | 13.274 | (0.981) | 37531 | 1.00000 | 1.007 |
| | 41 2,6-Dinitrotoluene | 165 | 13.268 | 13.274 | (0.981) | 4919 | 1.00000 | 0.8035 |
| * | 42 Acenaphthene-d10 | 164 | 13.530 | 13.530 | (1.000) | 363588 | 20.0000 | |
| | 43 3-Nitroaniline | 138 | 13.487 | 13.482 | (0.997) | 5759 | 1.00000 | 0.9852(M) |
| | 44 Acenaphthene | 153 | 13.578 | 13.578 | (1.004) | 24163 | 1.00000 | 1.027 |
| | 45 2,4-Dinitrophenol | 184 | 13.658 | 13.658 | (1.009) | 873 | 5.00000 | 0.1925 |
| | 46 Dibenzofuran | 168 | 13.840 | 13.840 | (1.023) | 33687 | 1.00000 | 1.022 |
| | 47 4-Nitrophenol | 109 | 13.781 | 13.765 | (1.019) | 4816 | 1.00000 | 0.9012(M) |
| | 48 2,4-Dinitrotoluene | 165 | 13.909 | 13.909 | (1.028) | 7125 | 1.00000 | 0.9569 |
| | 50 Diethylphthalate | 149 | 14.331 | 14.337 | (1.059) | 25877 | 1.00000 | 1.040 |
| | 49 Fluorene | 166 | 14.406 | 14.406 | (1.065) | 25857 | 1.00000 | 0.9930 |
| | 51 4-Chlorophenyl-phenylether | 204 | 14.422 | 14.422 | (1.066) | 14131 | 1.00000 | 0.9739 |
| | 52 4-Nitroaniline | 138 | 14.491 | 14.486 | (1.071) | 4730 | 1.00000 | 0.9041 |
| | 53 4,6-Dinitro-2-methylphenol | 198 | 14.566 | 14.572 | (0.914) | 5507 | 5.00000 | 0.9995 |
| | 54 N-Nitrosodiphenylamine | 169 | 14.620 | 14.625 | (0.917) | 14832 | 1.00000 | 1.069 |
| $ | 55 2,4,6-Tribromophenol | 330 | 14.839 | 14.834 | (1.097) | 3486 | 1.00000 | 0.9882 |
| | 56 4-Bromophenyl-phenylether | 248 | 15.218 | 15.218 | (0.955) | 7050 | 1.00000 | 0.9363 |
| | 57 Hexachlorobenzene | 284 | 15.448 | 15.448 | (0.969) | 8128 | 1.00000 | 1.061 |
| | 58 Pentachlorophenol | 266 | 15.741 | 15.742 | (0.988) | 3327 | 1.00000 | 0.6922 |
| * | 59 Phenanthrene-d10 | 188 | 15.939 | 15.939 | (1.000) | 544007 | 20.0000 | |
| | 60 Phenanthrene | 178 | 15.976 | 15.977 | (1.002) | 36857 | 1.00000 | 1.056 |
| | 61 Anthracene | 178 | 16.046 | 16.046 | (1.007) | 35715 | 1.00000 | 1.022 |
| | 62 Carbazole | 167 | 16.324 | 16.319 | (1.024) | 32374 | 1.00000 | 1.041 |
| | 63 Di-n-butylphthalate | 149 | 17.024 | 17.019 | (1.068) | 38450 | 1.00000 | 1.061 |
| | 64 Fluoranthene | 202 | 17.942 | 17.943 | (1.126) | 41491 | 1.00000 | 1.039 |
| | 65 Pyrene | 202 | 18.306 | 18.306 | (0.901) | 45394 | 1.00000 | 1.085 |
| $ | 66 Terphenyl-d14 | 244 | 18.599 | 18.600 | (0.916) | 28744 | 1.00000 | 1.097 |
| | 67 Butylbenzylphthalate | 149 | 19.470 | 19.471 | (0.959) | 19903 | 1.00000 | 1.082 |
| | 68 Benzo(a)anthracene | 228 | 20.282 | 20.283 | (0.999) | 47754 | 1.00000 | 1.046 |
| * | 69 Chrysene-d12 | 240 | 20.309 | 20.309 | (1.000) | 582656 | 20.0000 | |
| | 70 3,3'-Dichlorobenzidine | 252 | 20.272 | 20.272 | (0.998) | 19645 | 1.00000 | 1.051 |
| | 71 Chrysene | 228 | 20.346 | 20.347 | (1.002) | 43248 | 1.00000 | 1.054 |
| | 72 bis(2-Ethylhexyl)phthalate | 149 | 20.464 | 20.464 | (0.956) | 34610 | 1.00000 | 1.253 |
| * | 134 Di-n-octylphthalate-d4 | 153 | 21.404 | 21.404 | (1.000) | 913141 | 20.0000 | |
| | 73 Di-n-octylphthalate | 149 | 21.409 | 21.410 | (1.000) | 61855 | 1.00000 | 1.174 |

| | 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 | 21.954 | 21.955 | (0.975) | 45230 | 1.00000 | 0.9511 (H) |
| 75 | Benzo(k)fluoranthene | 252 | 21.992 | 21.987 | (0.977) | 52530 | 1.00000 | 1.044 |
| 76 | Benzo(a)pyrene | 252 | 22.419 | 22.425 | (0.996) | 44830 | 1.00000 | 1.027 |
| * 77 | Perylene-d12 | 264 | 22.510 | 22.510 | (1.000) | 662255 | 20.0000 | |
| 78 | Indeno(1,2,3-cd)pyrene | 276 | 24.310 | 24.316 | (1.080) | 47911 | 1.00000 | 0.9254 |
| 79 | Dibenzo(a,h)anthracene | 278 | 24.342 | 24.343 | (1.081) | 38931 | 1.00000 | 0.8950 |
| 80 | Benzo(g,h,i)perylene | 276 | 24.310 | 24.316 | (1.080) | 47911 | 1.00000 | 0.9254 |
| 90 | N-Nitrosodimethylamine | 74 | 4.048 | 4.043 | (0.473) | 12977 | 1.00000 | 1.043 |
| 103 | Pyridine | 79 | 4.101 | 4.059 | (0.479) | 16987 | 1.00000 | 0.9227 (M) |
| 91 | Aniline | 93 | 8.102 | 8.103 | (0.946) | 29535 | 1.00000 | 1.015 |
| 105 | 1-methylnaphthalene | 141 | 11.965 | 11.970 | (1.126) | 20985 | 1.00000 | 1.001 |
| 93 | Benzidine | 184 | 18.172 | 18.172 | (0.895) | 23696 | 1.00000 | 1.211 |
| 111 | Azobenzene (1,2-DP-Hydrazine) | 77 | 14.673 | 14.673 | (1.084) | 37309 | 1.00000 | 1.030 |
| 144 | alpha-Terpineol | 59 | 10.672 | 10.667 | (1.004) | 11652 | 1.00000 | 0.9181 |
| 143 | 1,4-Dioxane | 88 | 3.289 | 3.284 | (0.384) | 7729 | 1.00000 | 1.020 |
| $ 137 | d8-1,4-Dioxane | 96 | 3.219 | 3.220 | (0.376) | 7629 | 1.00000 | 1.005 |
| 133 | Butylatedhydroxytoluene | 205 | 13.679 | 13.680 | (1.011) | 24977 | 1.00000 | 1.024 |
| 115 | Tributyl Phosphate | 99 | 14.689 | 14.689 | (0.922) | 32516 | 1.00000 | 1.016 |
| 116 | Dibutyl Phenyl Phosphate | 175 | 16.457 | 16.458 | (1.032) | 18785 | 1.00000 | 1.016 |
| 117 | Butyl Diphenyl Phosphate | 94 | 18.172 | 18.167 | (0.895) | 9265 | 1.00000 | 1.081 |
| 118 | Triphenyl Phosphate | 326 | 19.796 | 19.796 | (0.975) | 7409 | 1.00000 | 1.069 |
| 123 | Acetophenone | 105 | 9.251 | 9.251 | (1.080) | 22160 | 1.00000 | 1.005 |

## QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0011001.d
Lab Smp Id: ABN 1
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 1
Level:
Sample Type:

| | | AREA LIMIT | | | |
|---|---|---|---|---|---|
| COMPOUND | STANDARD | LOWER | UPPER | SAMPLE | %DIFF |
| 8 1,4-Dichlorobenze | 212076 | 106038 | 424152 | 217225 | 2.43 |
| 27 Naphthalene-d8 | 656578 | 328289 | 1313156 | 678504 | 3.34 |
| 42 Acenaphthene-d10 | 353705 | 176852 | 707410 | 363588 | 2.79 |
| 59 Phenanthrene-d10 | 526440 | 263220 | 1052880 | 544007 | 3.34 |
| 69 Chrysene-d12 | 581923 | 290962 | 1163846 | 582656 | 0.13 |
| 134 Di-n-octylphthala | 979097 | 489548 | 1958194 | 913141 | -6.74 |
| 77 Perylene-d12 | 686531 | 343266 | 1373062 | 662255 | -3.54 |

| | | RT LIMIT | | | |
|---|---|---|---|---|---|
| COMPOUND | STANDARD | LOWER | UPPER | SAMPLE | %DIFF |
| 8 1,4-Dichlorobenze | 8.57 | 8.07 | 9.07 | 8.56 | -0.07 |
| 27 Naphthalene-d8 | 10.63 | 10.13 | 11.13 | 10.63 | -0.01 |
| 42 Acenaphthene-d10 | 13.53 | 13.03 | 14.03 | 13.53 | -0.01 |
| 59 Phenanthrene-d10 | 15.95 | 15.45 | 16.45 | 15.94 | -0.04 |
| 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 | -0.03 |

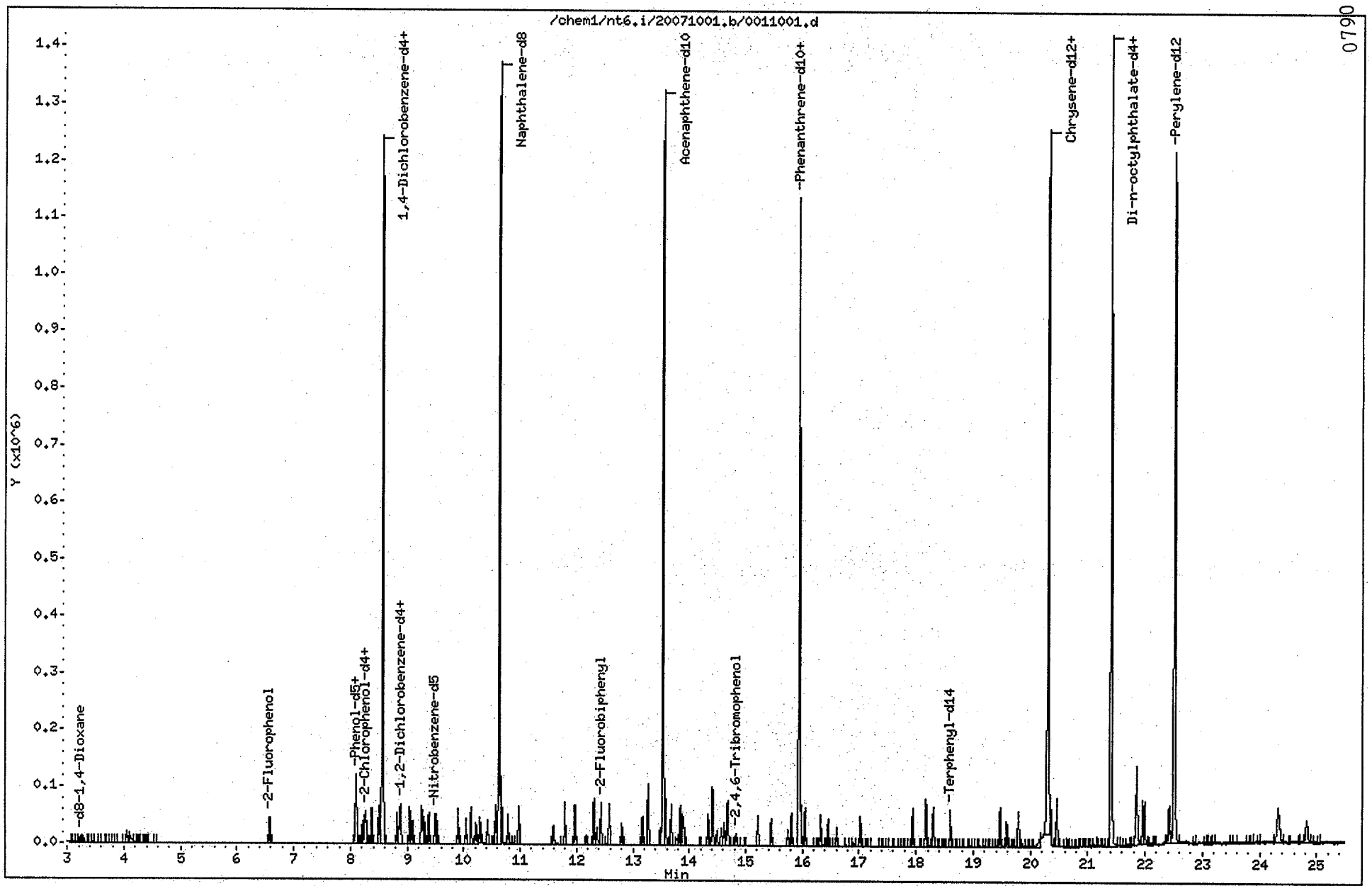
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20071001.b/0011001.d
Date : 01-OCT-2007 12:03
Client ID: ABN 1
Sample Info: ABN 1

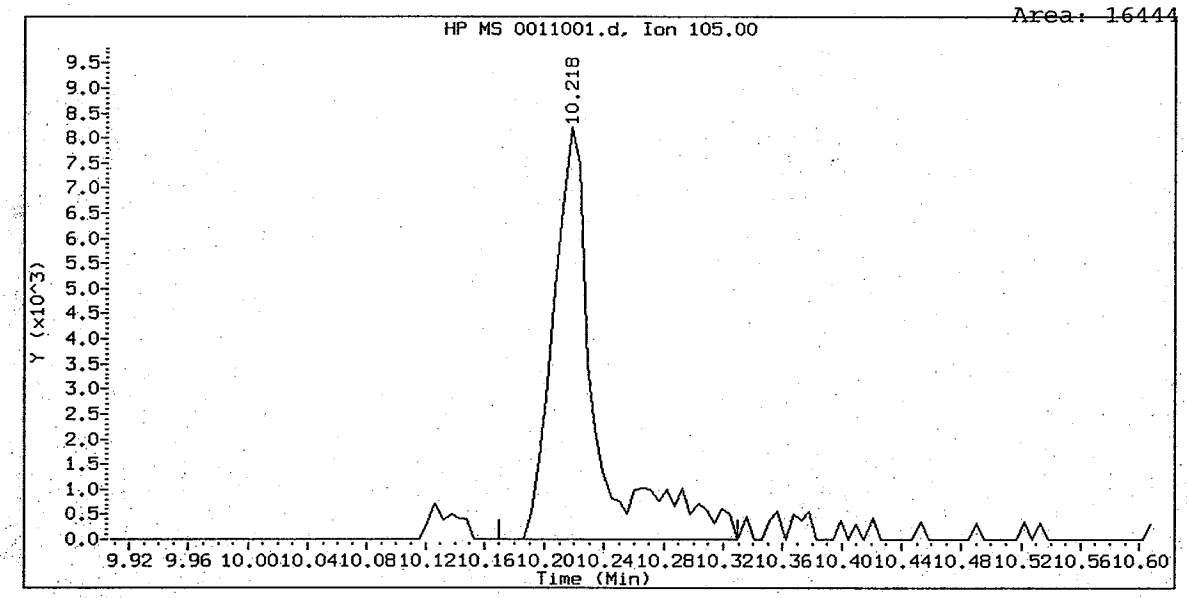
Column phase: ZB-5

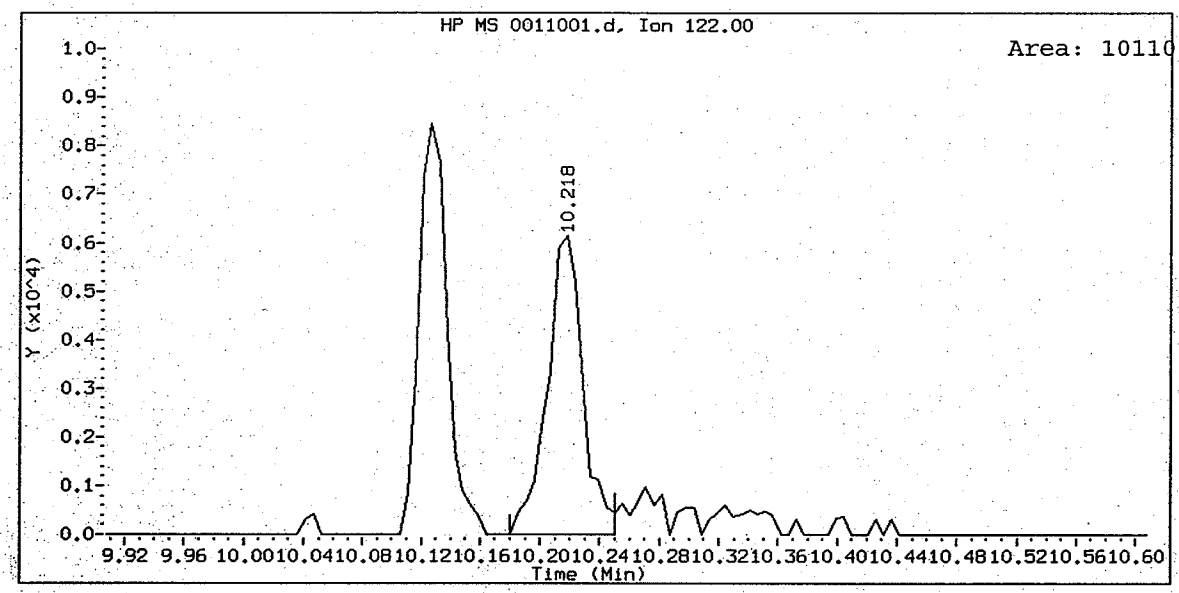
Instrument: nt6.i

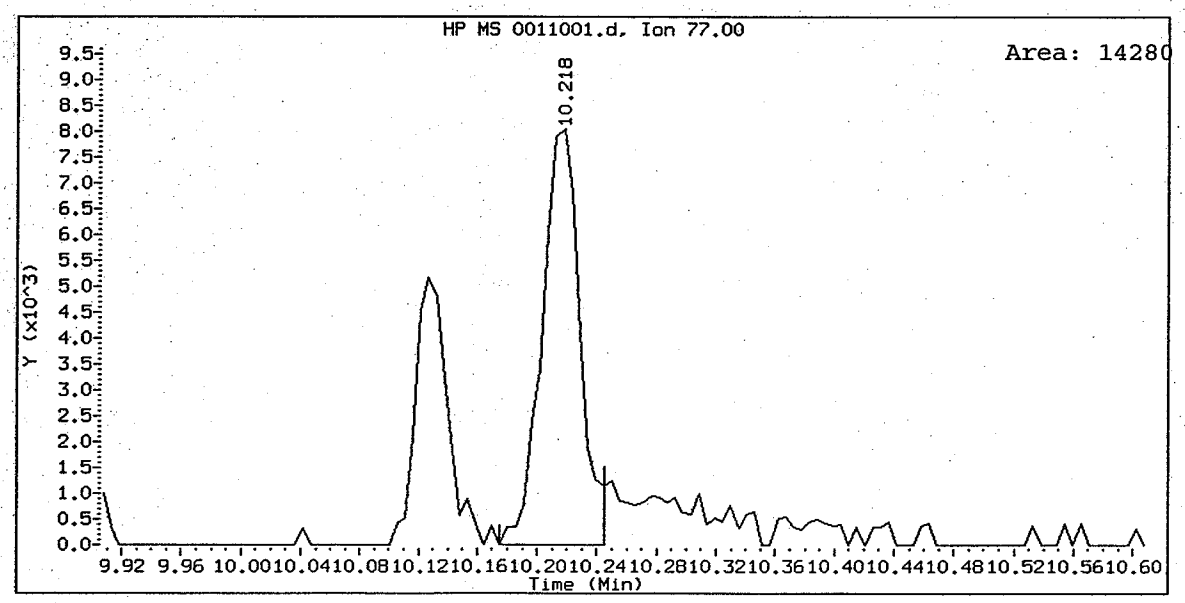
Operator: LJR/VTS
Column diameter: 0.32



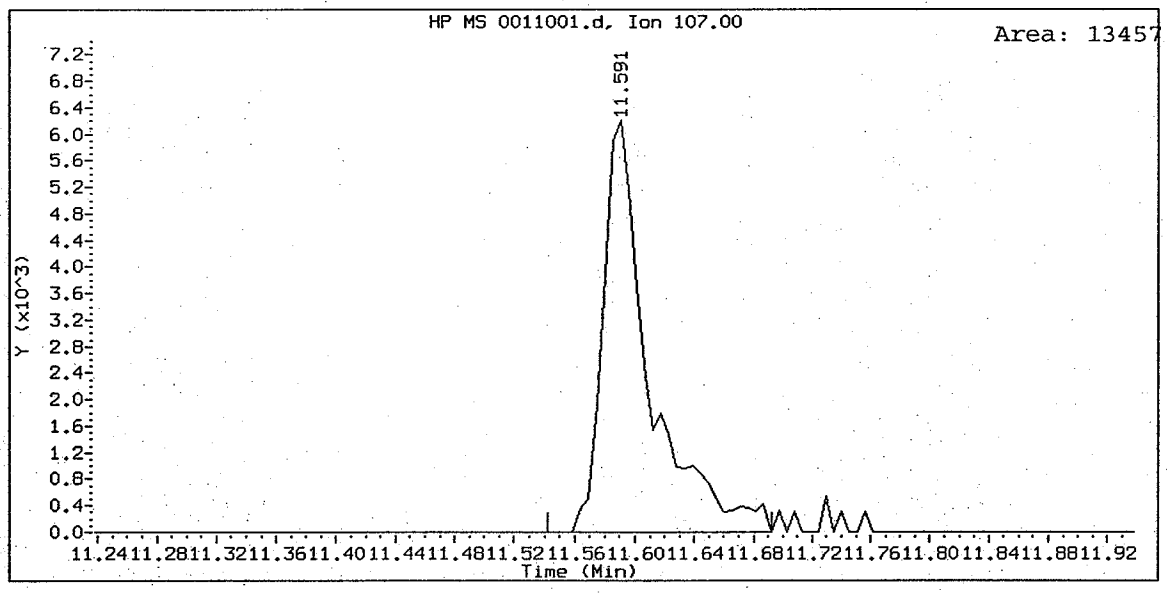
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
Benzoic acid  Amount: 1.35

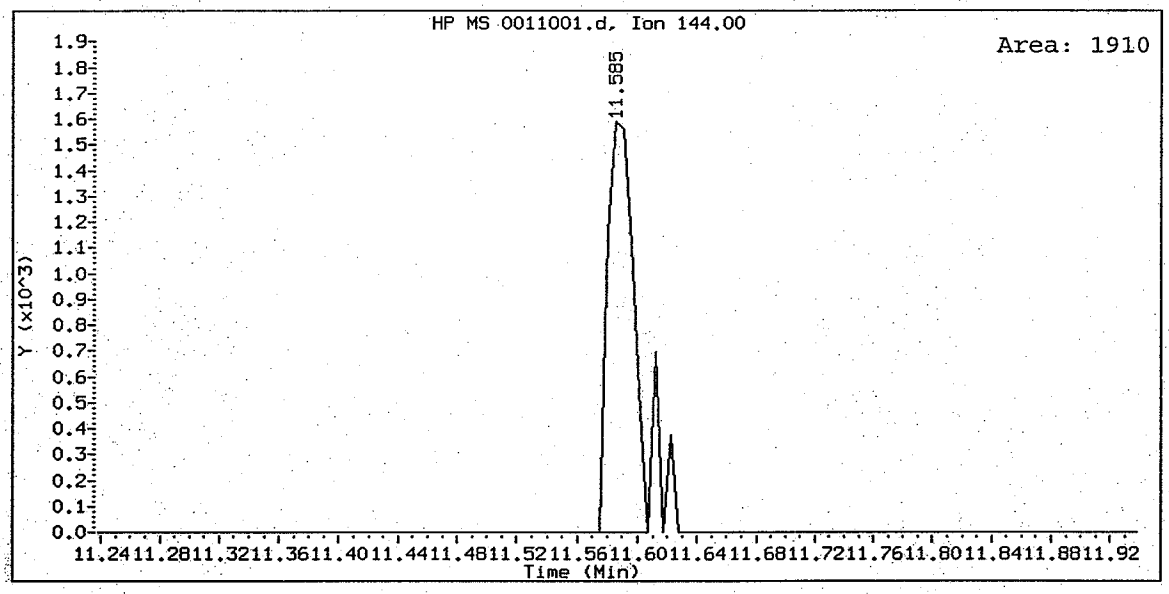


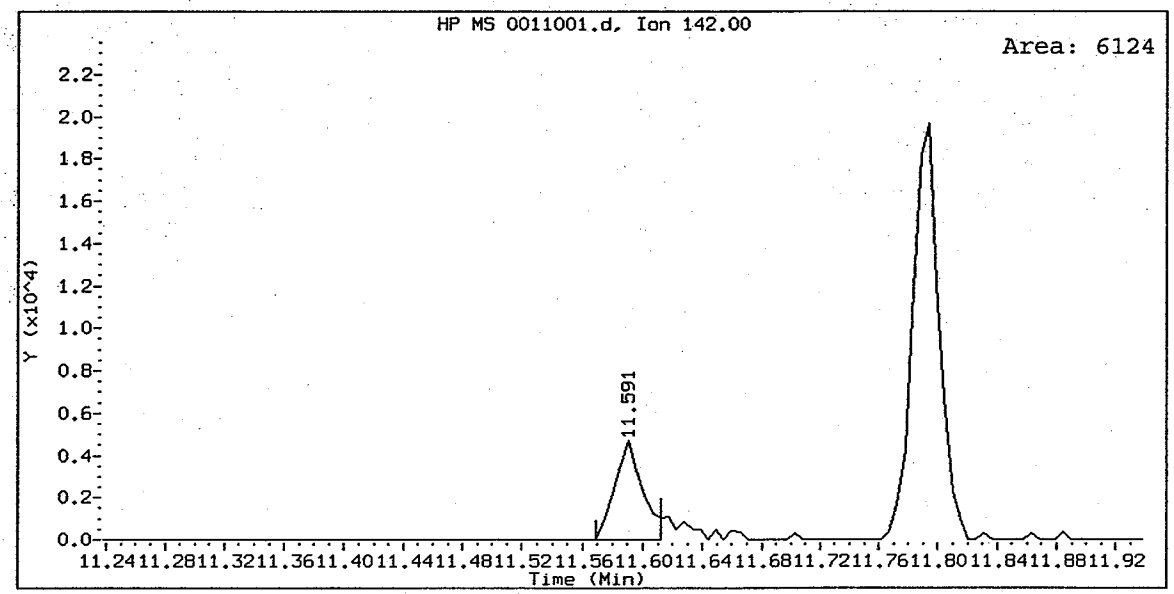



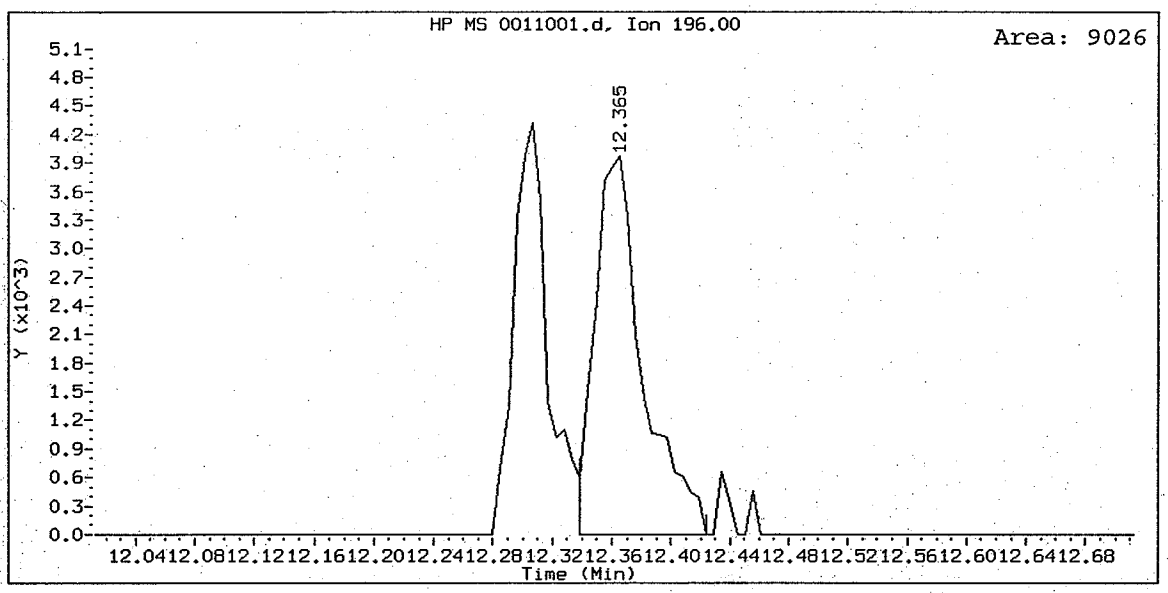
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
4-Chloro-3-methylphenol  Amount: 0.97

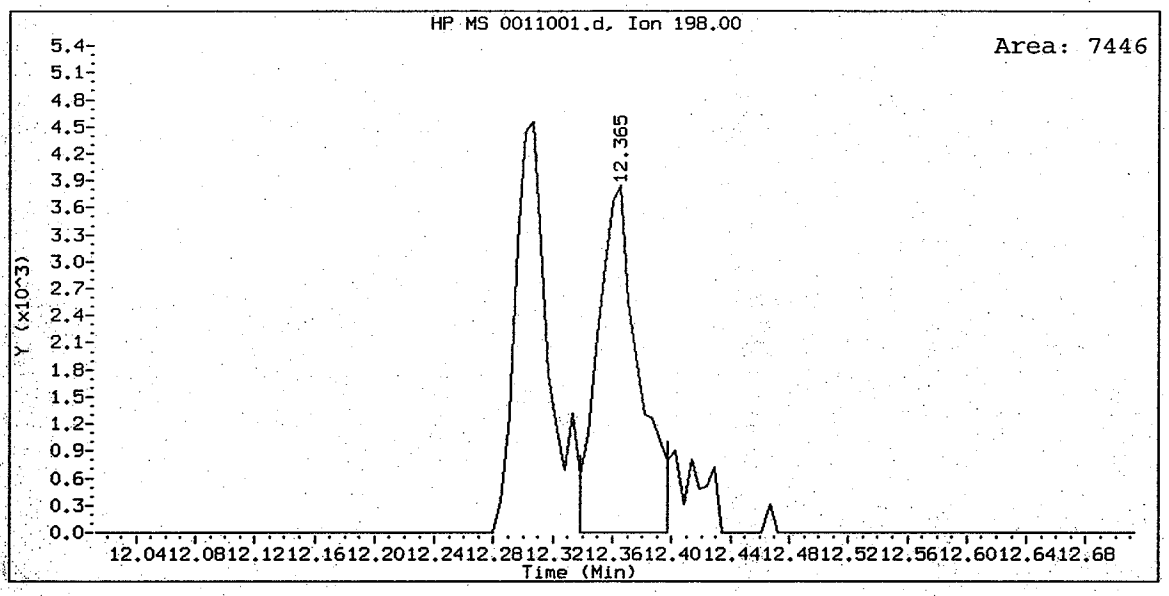


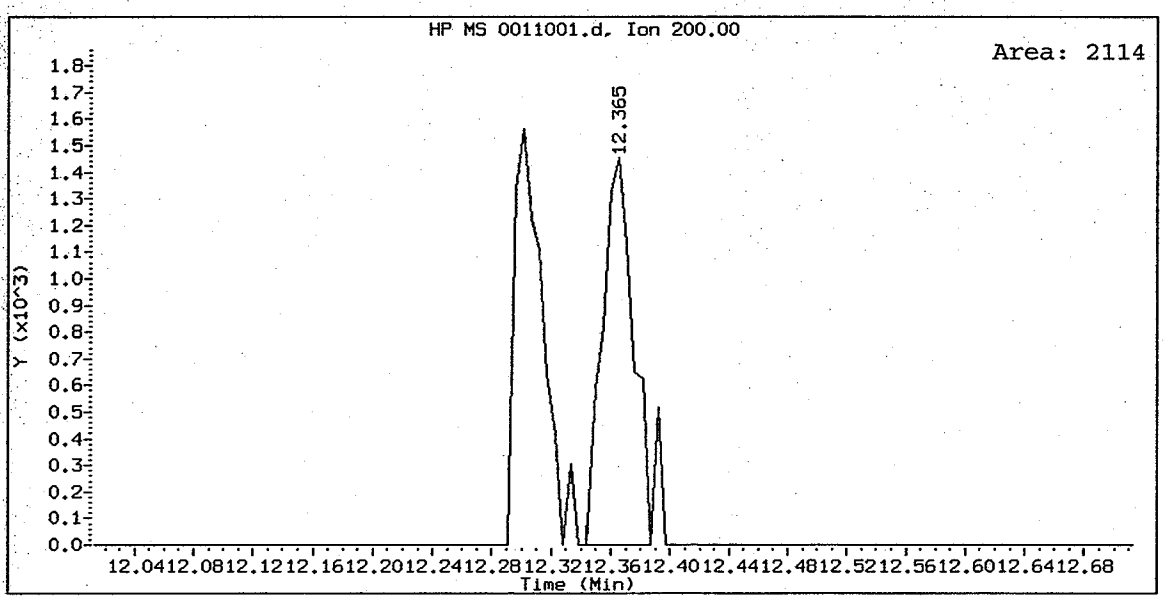



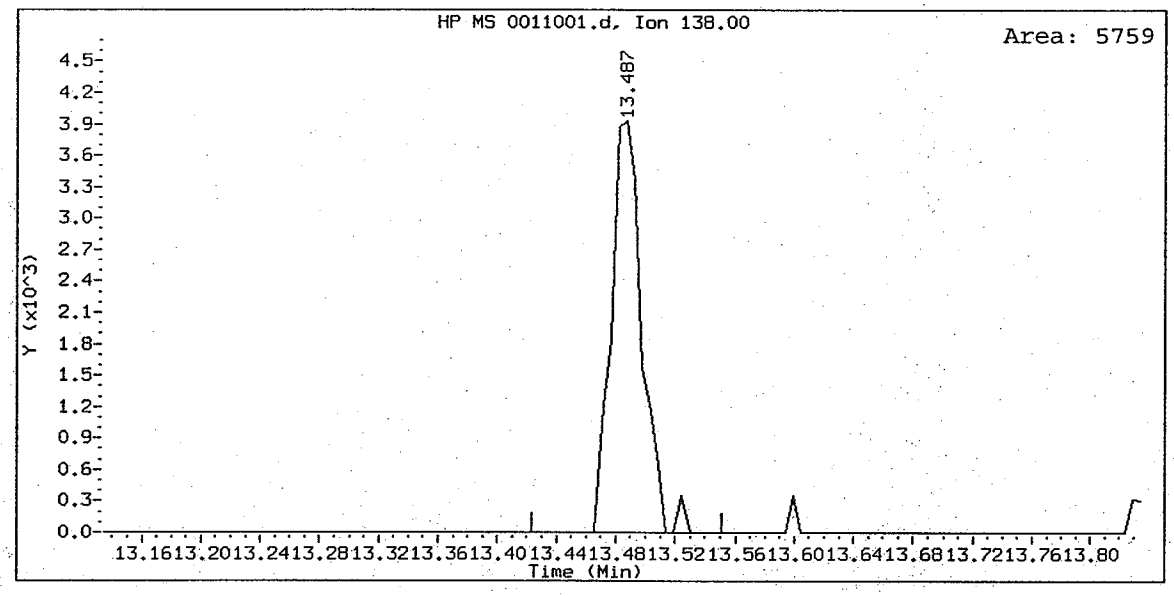
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
2,4,5-Trichlorophenol  Amount: 1.04

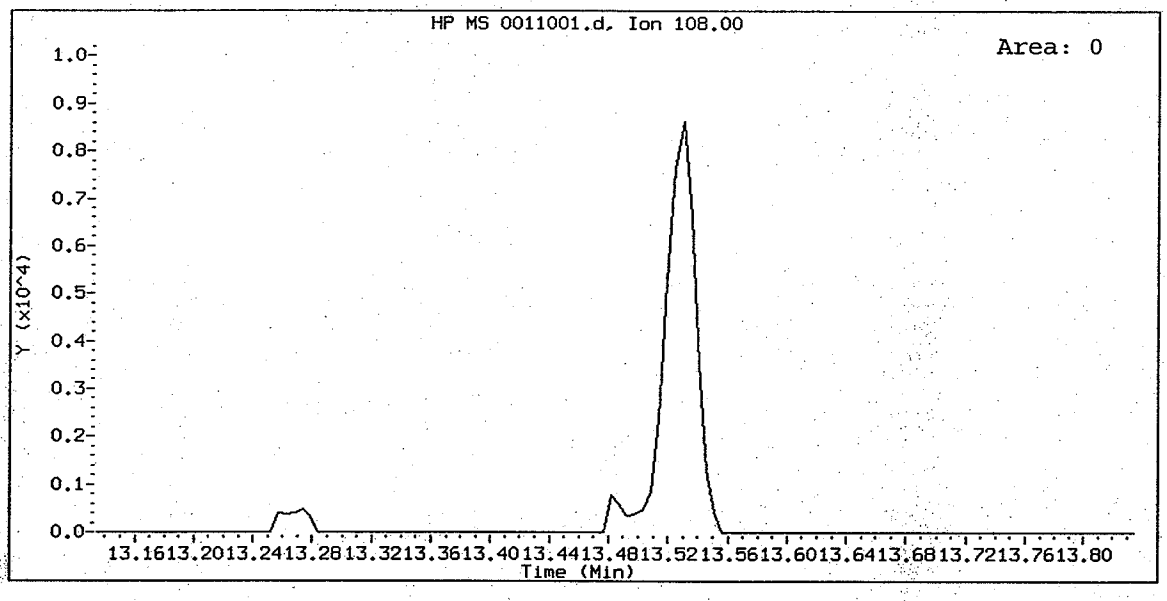


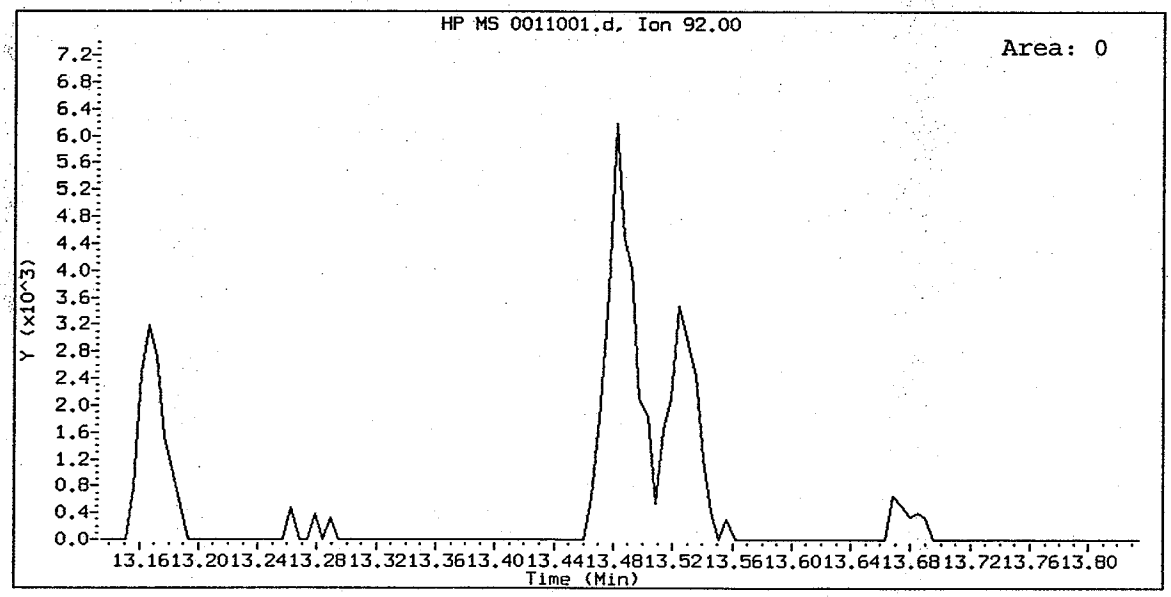



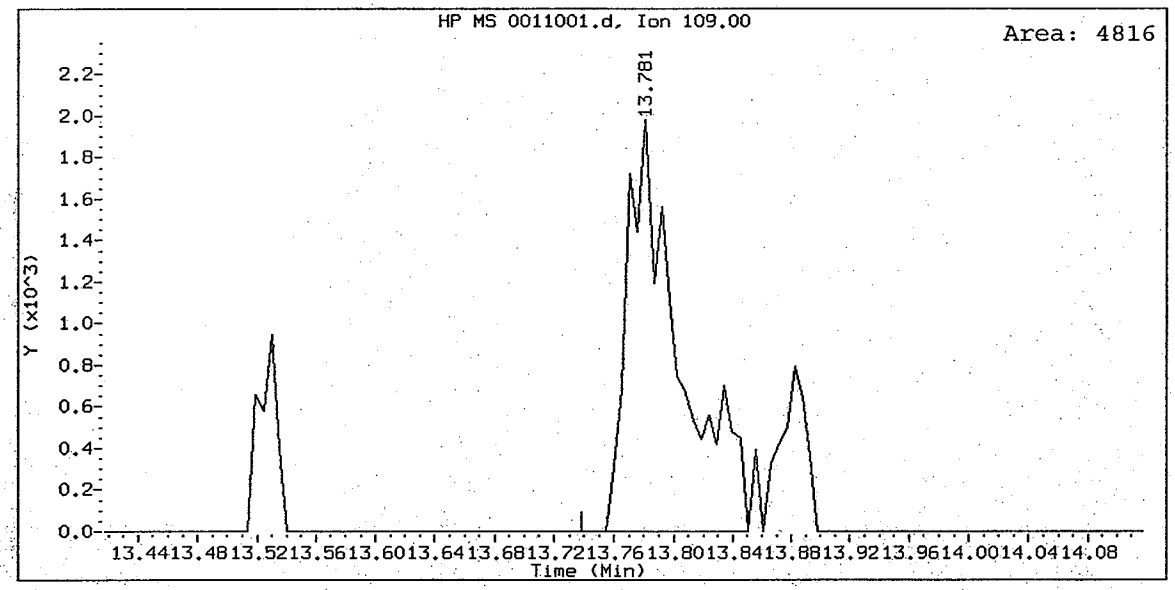
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
3-Nitroaniline Amount: 0.99

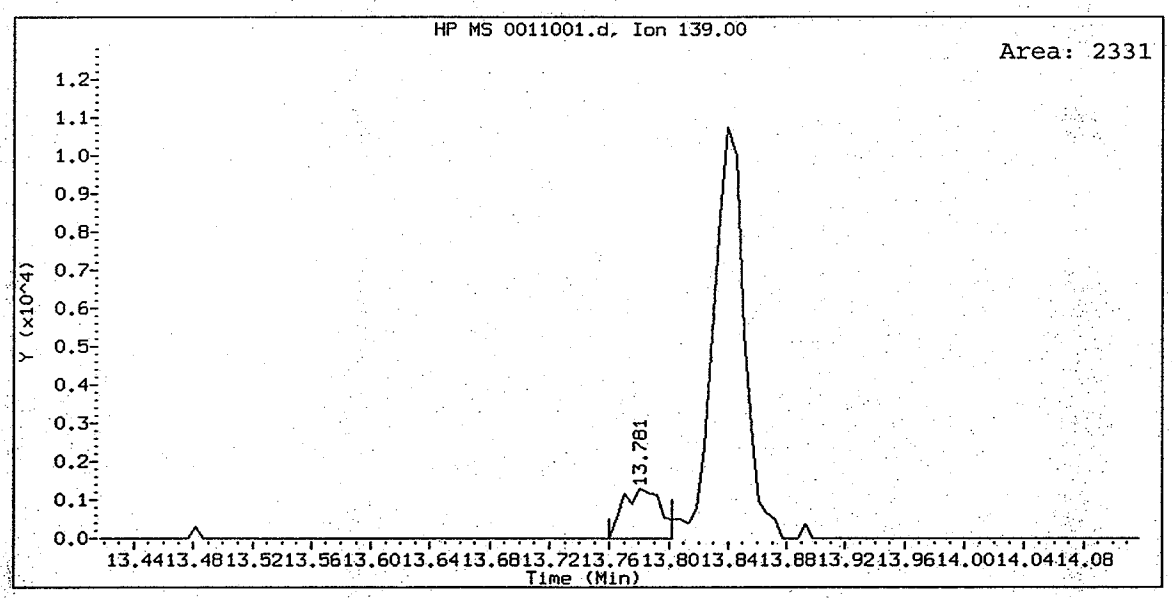


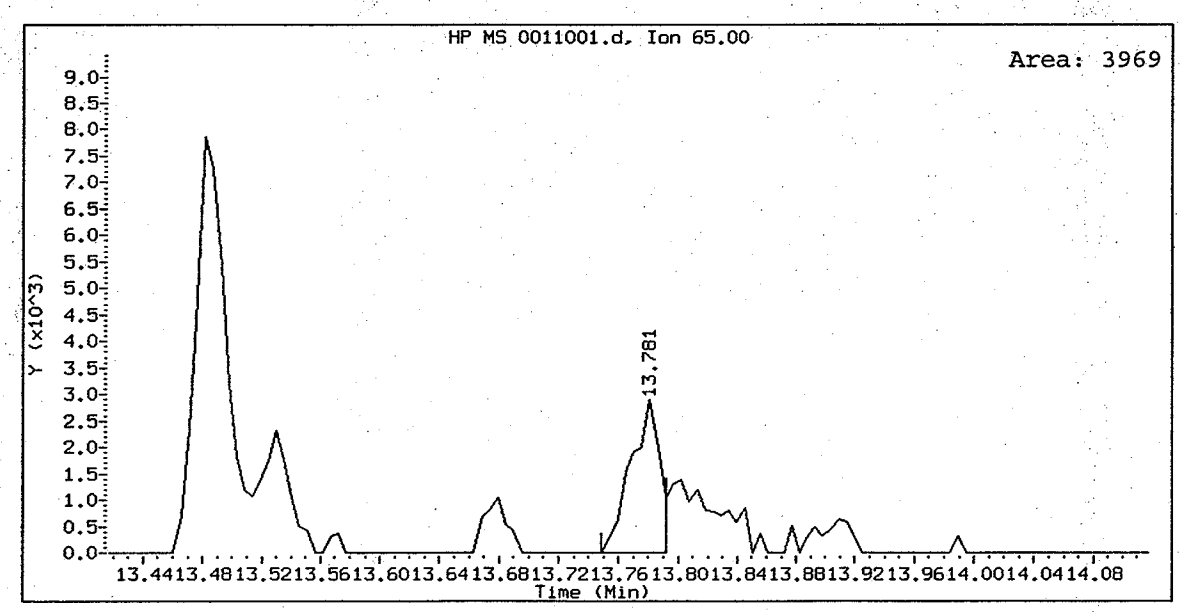



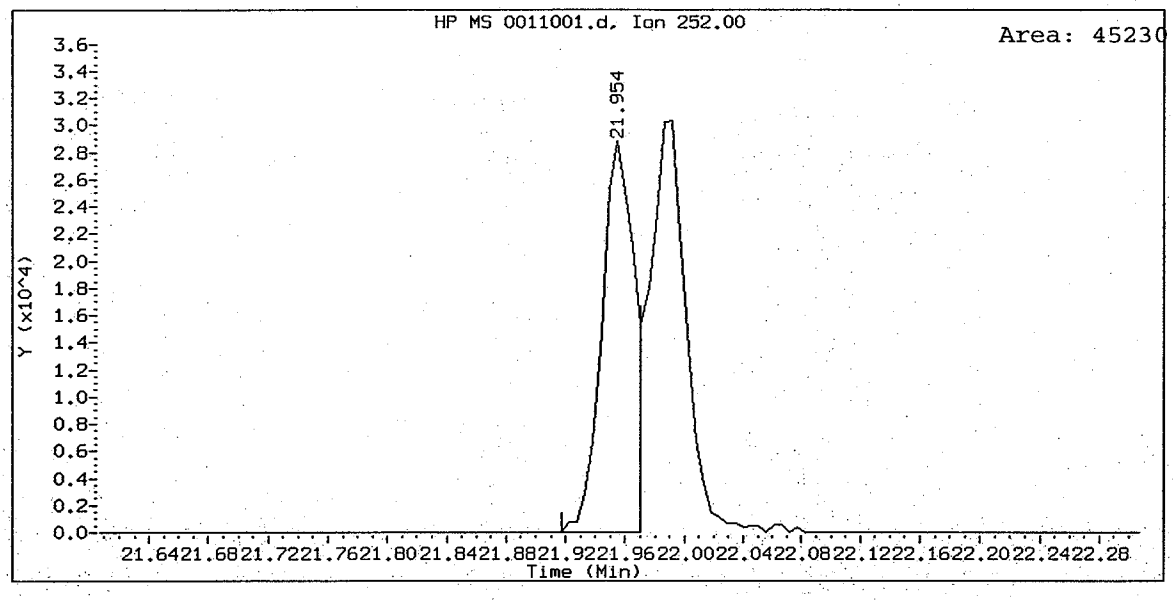
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
4-Nitrophenol Amount: 0.90

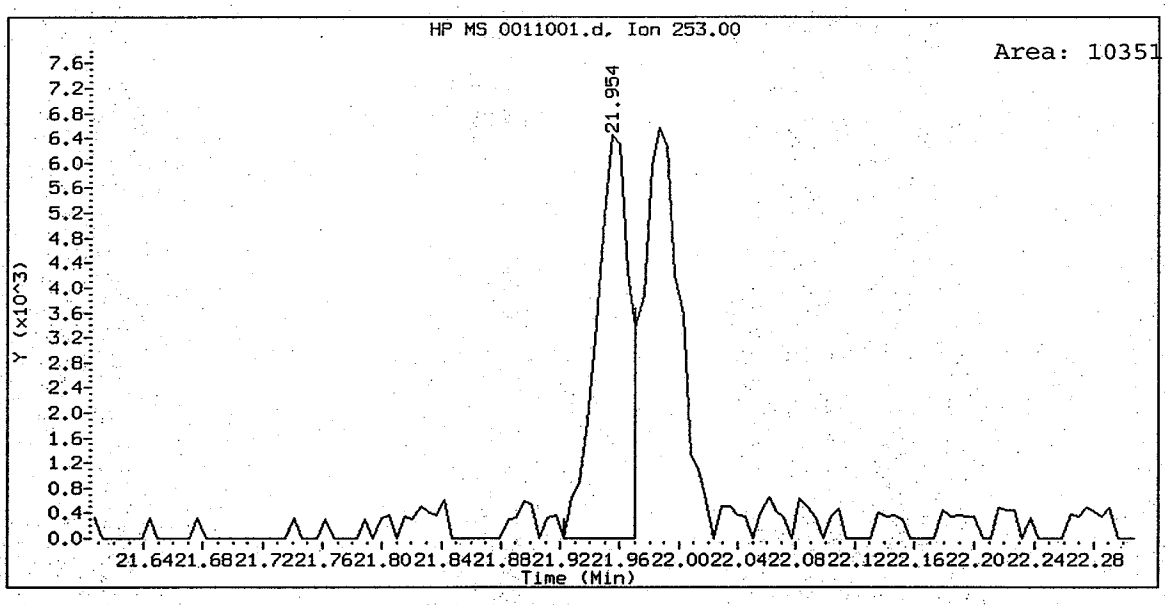


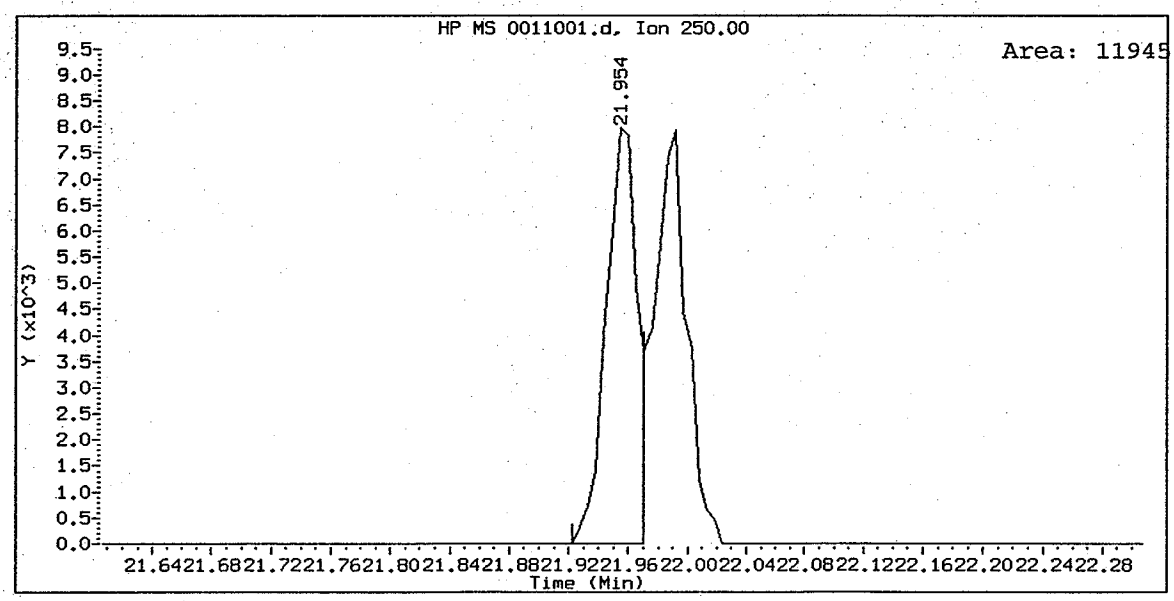



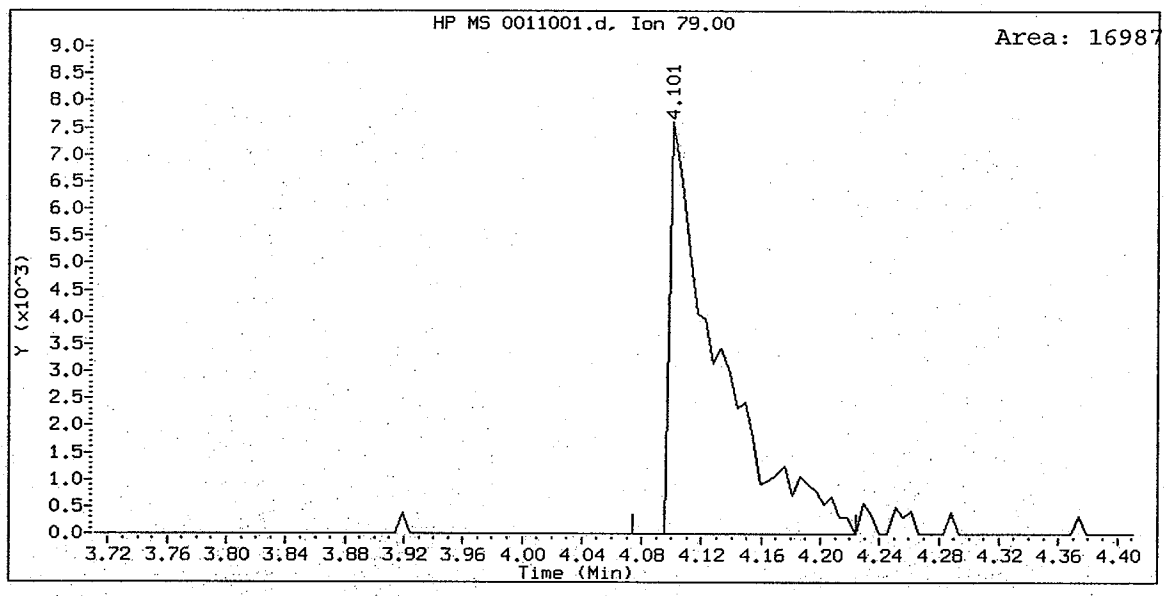
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
Benzo(b)fluoranthene Amount: 0.95

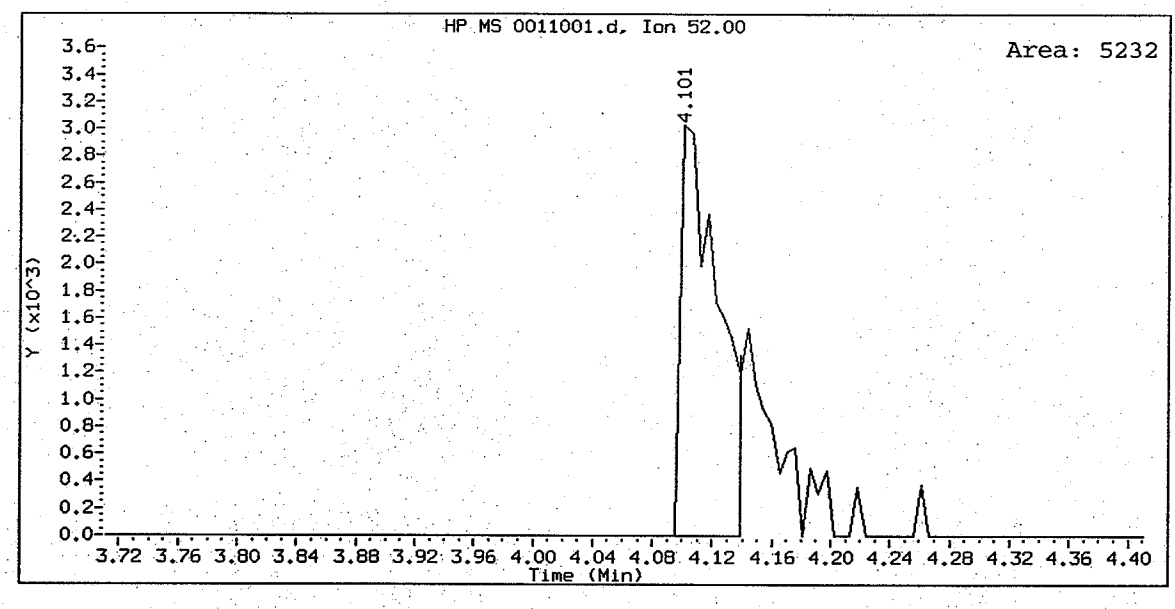


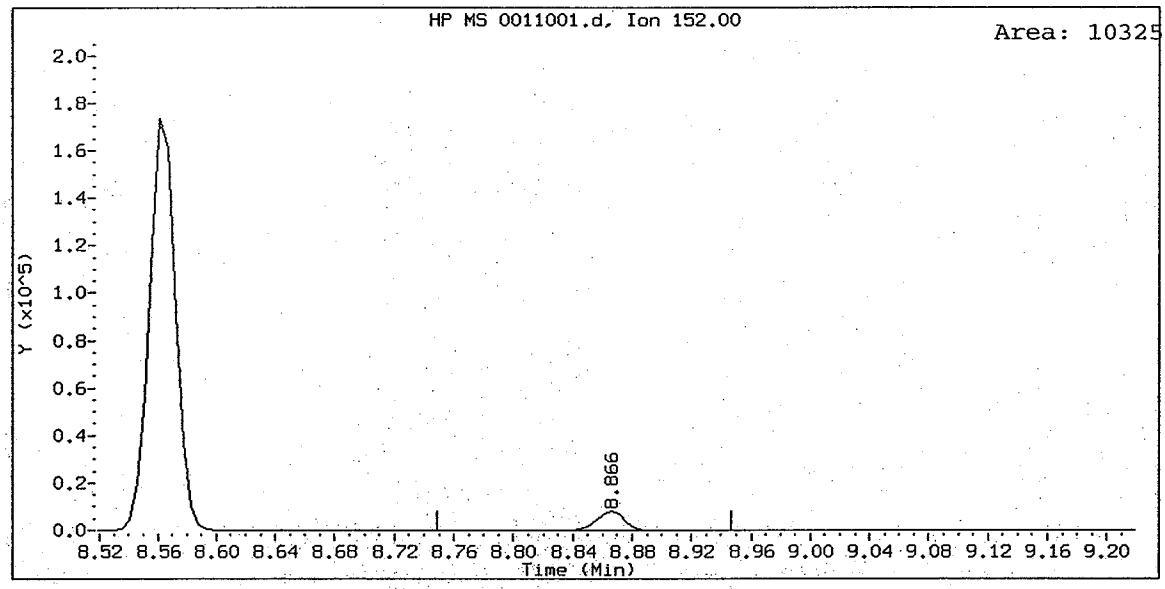



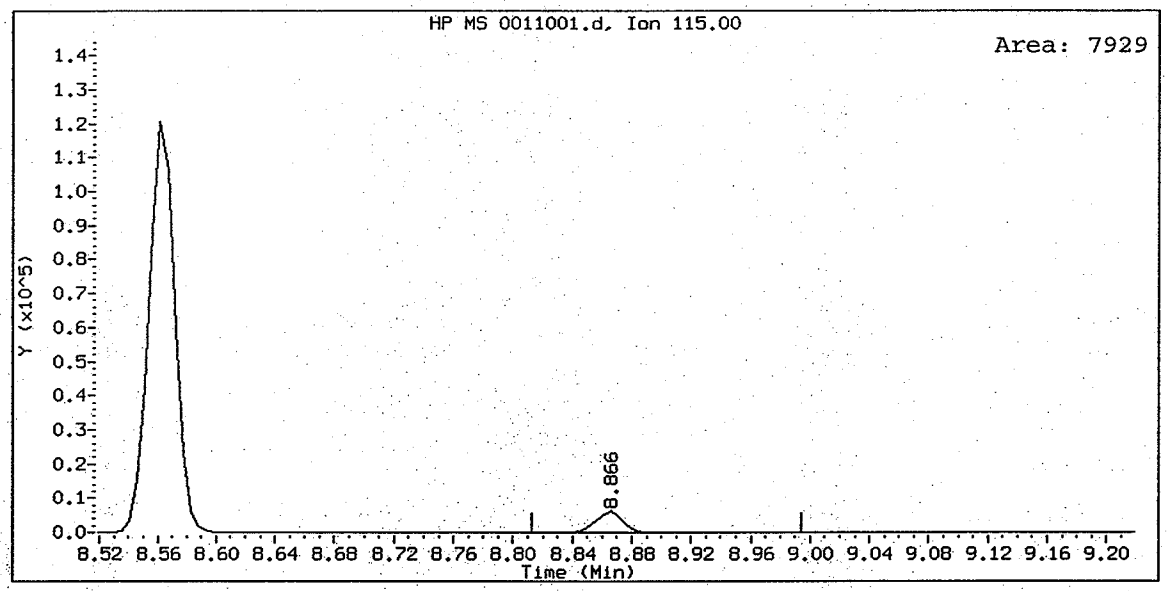
ABN 1, /chem1/nt6.i/20071001.b/0011001.d
Pyridine Amount: 0.92

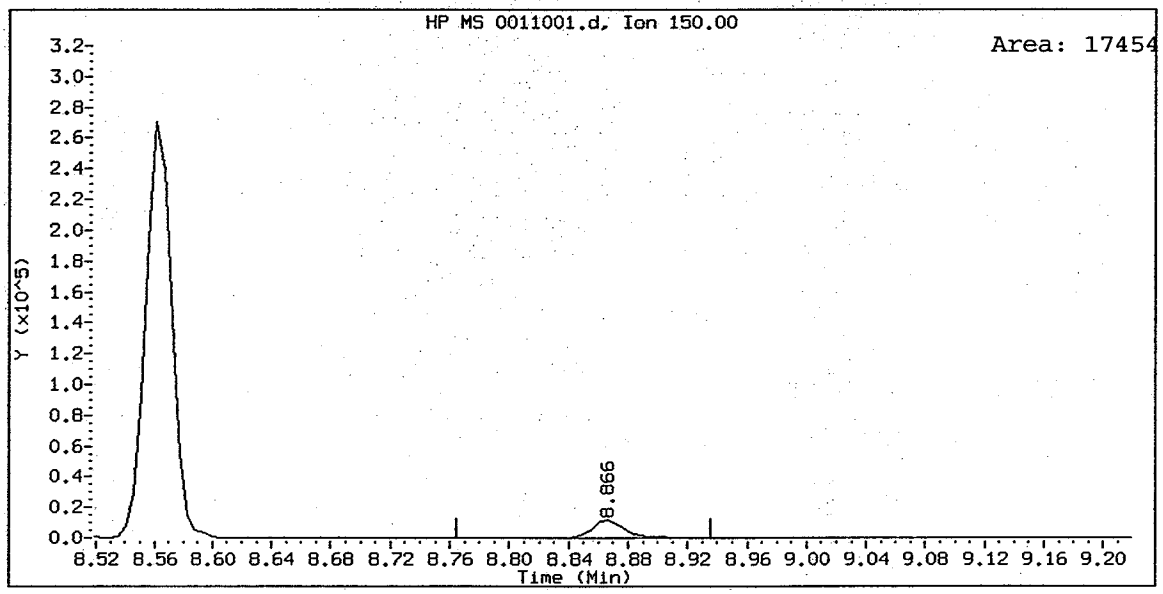


ABN 1, /chem1/nt6.i/20071001.b/0011001.d
1,2-Dichlorobenzene-d4  Amount: 1.01



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071001.b/0051001.d
Lab Smp Id: ABN 5 Client Smp ID: ABN 5
Inj Date : 01-OCT-2007 13:12
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 5
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: 5 Calibration Sample, Level: 2
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) | 70568 | 5.00000 | 5.087 |
| $ | 2 Phenol-d5 | 99 | 8.081 | 8.081 | (0.944) | 85657 | 5.00000 | 4.834 |
| | 3 Phenol | 94 | 8.097 | 8.097 | (0.946) | 106386 | 5.00000 | 4.844 |
| $ | 5 2-Chlorophenol-d4 | 132 | 8.252 | 8.252 | (0.964) | 58325 | 5.00000 | 4.942 |
| | 4 Bis(2-Chloroethyl)ether | 93 | 8.209 | 8.209 | (0.959) | 77054 | 5.00000 | 5.192 |
| | 6 2-Chlorophenol | 128 | 8.273 | 8.273 | (0.966) | 65659 | 5.00000 | 4.970 |
| | 7 1,3-Dichlorobenzene | 146 | 8.503 | 8.503 | (0.993) | 75150 | 5.00000 | 5.119 |
| * | 8 1,4-Dichlorobenzene-d4 | 152 | 8.562 | 8.562 | (1.000) | 188236 | 20.0000 | |
| | 9 1,4-Dichlorobenzene | 146 | 8.589 | 8.589 | (1.003) | 78842 | 5.00000 | 5.208 |
| $ | 10 1,2-Dichlorobenzene-d4 | 152 | 8.866 | 8.866 | (1.036) | 45248 | 5.00000 | 5.113 |
| | 12 1,2-Dichlorobenzene | 146 | 8.888 | 8.888 | (1.038) | 74293 | 5.00000 | 5.218 |
| | 11 Benzyl alcohol | 108 | 8.824 | 8.824 | (1.031) | 42972 | 5.00000 | 5.005 |
| | 14 2,2'-oxybis(1-Chloropropane) | 45 | 9.091 | 9.091 | (1.062) | 68953 | 5.00000 | 5.035 |
| | 13 2-Methylphenol | 108 | 9.043 | 9.043 | (1.056) | 62557 | 5.00000 | 4.957 |
| | 17 Hexachloroethane | 117 | 9.385 | 9.385 | (1.096) | 35187 | 5.00000 | 5.262 |
| | 16 N-Nitroso-di-n-propylamine | 70 | 9.305 | 9.305 | (1.087) | 68597 | 5.00000 | 5.183 |
| | 15 4-Methylphenol | 108 | 9.272 | 9.272 | (1.083) | 65583 | 5.00000 | 4.961 |
| $ | 18 Nitrobenzene-d5 | 82 | 9.491 | 9.491 | (0.893) | 102455 | 5.00000 | 5.339 |
| | 19 Nitrobenzene | 77 | 9.518 | 9.518 | (0.895) | 112381 | 5.00000 | 5.456 |
| | 20 Isophorone | 82 | 9.903 | 9.903 | (0.932) | 158974 | 5.00000 | 5.242 |
| | 21 2-Nitrophenol | 139 | 10.047 | 10.047 | (0.945) | 34443 | 5.00000 | 5.000 |
| | 22 2,4-Dimethylphenol | 107 | 10.127 | 10.127 | (0.953) | 79382 | 5.00000 | 5.044 |
| | 23 Bis(2-Chloroethoxy)methane | 93 | 10.287 | 10.287 | (0.968) | 84618 | 5.00000 | 5.034 |
| | 24 Benzoic acid | 105 | 10.255 | 10.255 | (0.965) | 94584 | 10.0000 | 8.805 (M) |
| | 25 2,4-Dichlorophenol | 162 | 10.421 | 10.421 | (0.980) | 48258 | 5.00000 | 4.626 |
| | 26 1,2,4-Trichlorobenzene | 180 | 10.565 | 10.565 | (0.994) | 63873 | 5.00000 | 5.022 |
| * | 27 Naphthalene-d8 | 136 | 10.629 | 10.629 | (1.000) | 597294 | 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 | 10.661 | 10.661 | (1.003) | 184567 | 5.00000 | 5.013 |
| | 29 4-Chloroaniline | 127 | 10.784 | 10.784 | (1.015) | 69170 | 5.00000 | 4.857 |
| | 30 Hexachlorobutadiene | 225 | 10.977 | 10.977 | (1.033) | 43655 | 5.00000 | 5.146 |
| | 31 4-Chloro-3-methylphenol | 107 | 11.586 | 11.586 | (1.090) | 59190 | 5.00000 | 4.857 |
| | 32 2-Methylnaphthalene | 141 | 11.794 | 11.794 | (1.110) | 93213 | 5.00000 | 5.039 |
| | 33 Hexachlorocyclopentadiene | 237 | 12.179 | 12.179 | (0.900) | 30330 | 5.00000 | 4.158 |
| | 34 2,4,6-Trichlorophenol | 196 | 12.301 | 12.301 | (0.909) | 36821 | 5.00000 | 4.542 |
| | 35 2,4,5-Trichlorophenol | 196 | 12.360 | 12.360 | (0.914) | 36466 | 5.00000 | 4.644 |
| $ | 36 2-Fluorobiphenyl | 172 | 12.435 | 12.435 | (0.919) | 132193 | 5.00000 | 5.170 |
| | 37 2-Chloronaphthalene | 162 | 12.585 | 12.585 | (0.930) | 109595 | 5.00000 | 4.989 |
| | 38 2-Nitroaniline | 65 | 12.804 | 12.804 | (0.946) | 50097 | 5.00000 | 5.092 |
| | 39 Dimethylphthalate | 163 | 13.172 | 13.172 | (0.974) | 112986 | 5.00000 | 5.083 |
| | 40 Acenaphthylene | 152 | 13.274 | 13.274 | (0.981) | 169840 | 5.00000 | 5.044 |
| | 41 2,6-Dinitrotoluene | 165 | 13.274 | 13.274 | (0.981) | 24890 | 5.00000 | 4.502 |
| * | 42 Acenaphthene-d10 | 164 | 13.530 | 13.530 | (1.000) | 328382 | 20.0000 | |
| | 43 3-Nitroaniline | 138 | 13.482 | 13.482 | (0.996) | 24818 | 5.00000 | 4.701 |
| | 44 Acenaphthene | 153 | 13.578 | 13.578 | (1.004) | 105187 | 5.00000 | 4.949 |
| | 45 2,4-Dinitrophenol | 184 | 13.658 | 13.658 | (1.009) | 22588 | 10.0000 | 5.516 |
| | 46 Dibenzofuran | 168 | 13.840 | 13.840 | (1.023) | 151566 | 5.00000 | 5.090 |
| | 47 4-Nitrophenol | 109 | 13.765 | 13.765 | (1.017) | 23230 | 5.00000 | 4.813 (M) |
| | 48 2,4-Dinitrotoluene | 165 | 13.909 | 13.909 | (1.028) | 33025 | 5.00000 | 4.911 |
| | 50 Diethylphthalate | 149 | 14.337 | 14.337 | (1.060) | 114951 | 5.00000 | 5.116 |
| | 49 Fluorene | 166 | 14.406 | 14.406 | (1.065) | 114971 | 5.00000 | 4.889 |
| | 51 4-Chlorophenyl-phenylether | 204 | 14.422 | 14.422 | (1.066) | 65365 | 5.00000 | 4.988 |
| | 52 4-Nitroaniline | 138 | 14.486 | 14.486 | (1.071) | 21409 | 5.00000 | 4.531 |
| | 53 4,6-Dinitro-2-methylphenol | 198 | 14.572 | 14.572 | (0.914) | 42320 | 10.0000 | 8.624 |
| | 54 N-Nitrosodiphenylamine | 169 | 14.625 | 14.625 | (0.918) | 62764 | 5.00000 | 5.081 |
| $ | 55 2,4,6-Tribromophenol | 330 | 14.834 | 14.834 | (1.096) | 15476 | 5.00000 | 4.858 |
| | 56 4-Bromophenyl-phenylether | 248 | 15.218 | 15.218 | (0.955) | 33913 | 5.00000 | 5.057 |
| | 57 Hexachlorobenzene | 284 | 15.448 | 15.448 | (0.969) | 34221 | 5.00000 | 5.016 |
| | 58 Pentachlorophenol | 266 | 15.742 | 15.742 | (0.988) | 19533 | 5.00000 | 4.563 |
| * | 59 Phenanthrene-d10 | 188 | 15.939 | 15.939 | (1.000) | 484498 | 20.0000 | |
| | 60 Phenanthrene | 178 | 15.977 | 15.977 | (1.002) | 156258 | 5.00000 | 5.027 |
| | 61 Anthracene | 178 | 16.046 | 16.046 | (1.007) | 155662 | 5.00000 | 5.001 |
| | 62 Carbazole | 167 | 16.319 | 16.319 | (1.024) | 132283 | 5.00000 | 4.778 |
| | 63 Di-n-butylphthalate | 149 | 17.019 | 17.019 | (1.068) | 160978 | 5.00000 | 4.986 |
| | 64 Fluoranthene | 202 | 17.943 | 17.943 | (1.126) | 171919 | 5.00000 | 4.836 |
| | 65 Pyrene | 202 | 18.306 | 18.306 | (0.901) | 179921 | 5.00000 | 5.323 |
| $ | 66 Terphenyl-d14 | 244 | 18.600 | 18.600 | (0.916) | 110906 | 5.00000 | 5.242 |
| | 67 Butylbenzylphthalate | 149 | 19.471 | 19.471 | (0.959) | 75088 | 5.00000 | 5.052 |
| | 68 Benzo(a)anthracene | 228 | 20.283 | 20.283 | (0.999) | 181304 | 5.00000 | 4.916 |
| * | 69 Chrysene-d12 | 240 | 20.309 | 20.309 | (1.000) | 470665 | 20.0000 | |
| | 70 3,3'-Dichlorobenzidine | 252 | 20.272 | 20.272 | (0.998) | 73983 | 5.00000 | 4.902 |
| | 71 Chrysene | 228 | 20.347 | 20.347 | (1.002) | 163217 | 5.00000 | 4.925 |
| | 72 bis(2-Ethylhexyl)phthalate | 149 | 20.464 | 20.464 | (0.956) | 116734 | 5.00000 | 5.125 |
| * | 134 Di-n-octylphthalate-d4 | 153 | 21.404 | 21.404 | (1.000) | 753218 | 20.0000 | |
| | 73 Di-n-octylphthalate | 149 | 21.410 | 21.410 | (1.000) | 237668 | 5.00000 | 5.470 |

| | 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 | 21.955 | 21.955 | (0.975) | 190299 | 5.00000 | 4.721 |
| 75 | Benzo(k)fluoranthene | 252 | 21.987 | 21.987 | (0.977) | 219114 | 5.00000 | 5.139 |
| 76 | Benzo(a)pyrene | 252 | 22.425 | 22.425 | (0.996) | 180358 | 5.00000 | 4.874 |
| * 77 | Perylene-d12 | 264 | 22.510 | 22.510 | (1.000) | 561314 | 20.0000 | |
| 78 | Indeno(1,2,3-cd)pyrene | 276 | 24.316 | 24.316 | (1.080) | 210004 | 5.00000 | 4.786 |
| 79 | Dibenzo(a,h)anthracene | 278 | 24.343 | 24.343 | (1.081) | 173882 | 5.00000 | 4.716 |
| 80 | Benzo(g,h,i)perylene | 276 | 24.316 | 24.316 | (1.080) | 210004 | 5.00000 | 4.786 |
| 90 | N-Nitrosodimethylamine | 74 | 4.043 | 4.043 | (0.472) | 55009 | 5.00000 | 5.104 |
| 103 | Pyridine | 79 | 4.059 | 4.059 | (0.474) | 80429 | 5.00000 | 5.042 |
| 91 | Aniline | 93 | 8.103 | 8.103 | (0.946) | 125404 | 5.00000 | 4.975 |
| 105 | 1-methylnaphthalene | 141 | 11.970 | 11.970 | (1.126) | 92512 | 5.00000 | 5.015 |
| 93 | Benzidine | 184 | 18.172 | 18.172 | (0.895) | 94702 | 5.00000 | 5.994 |
| 111 | Azobenzene (1,2-DP-Hydrazine) | 77 | 14.673 | 14.673 | (1.084) | 173979 | 5.00000 | 5.319 |
| 144 | alpha-Terpineol | 59 | 10.667 | 10.667 | (1.004) | 53666 | 5.00000 | 4.804 |
| 143 | 1,4-Dioxane | 88 | 3.284 | 3.284 | (0.384) | 33970 | 5.00000 | 5.172 |
| $ 137 | d8-1,4-Dioxane | 96 | 3.220 | 3.220 | (0.376) | 34434 | 5.00000 | 5.232 |
| 133 | Butylatedhydroxytoluene | 205 | 13.680 | 13.680 | (1.011) | 113578 | 5.00000 | 5.154 |
| 115 | Tributyl Phosphate | 99 | 14.689 | 14.689 | (0.922) | 143130 | 5.00000 | 5.021 |
| 116 | Dibutyl Phenyl Phosphate | 175 | 16.458 | 16.458 | (1.032) | 81583 | 5.00000 | 4.956 |
| 117 | Butyl Diphenyl Phosphate | 94 | 18.167 | 18.167 | (0.895) | 34020 | 5.00000 | 4.913 |
| 118 | Triphenyl Phosphate | 326 | 19.796 | 19.796 | (0.975) | 27931 | 5.00000 | 4.990 |
| 123 | Acetophenone | 105 | 9.251 | 9.251 | (1.080) | 97864 | 5.00000 | 5.124 |

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: 0051001.d
Lab Smp Id: ABN 5
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 5
Level:
Sample Type:

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 212076 | 106038 | 424152 | 188236 | -11.24 |
| 27 Naphthalene-d8 | 656578 | 328289 | 1313156 | 597294 | -9.03 |
| 42 Acenaphthene-d10 | 353705 | 176852 | 707410 | 328382 | -7.16 |
| 59 Phenanthrene-d10 | 526440 | 263220 | 1052880 | 484498 | -7.97 |
| 69 Chrysene-d12 | 581923 | 290962 | 1163846 | 470665 | -19.12 |
| 134 Di-n-octylphthala | 979097 | 489548 | 1958194 | 753218 | -23.07 |
| 77 Perylene-d12 | 686531 | 343266 | 1373062 | 561314 | -18.24 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 8 1,4-Dichlorobenze | 8.57 | 8.07 | 9.07 | 8.56 | -0.07 |
| 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 | -0.04 |
| 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 | -0.03 |

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.