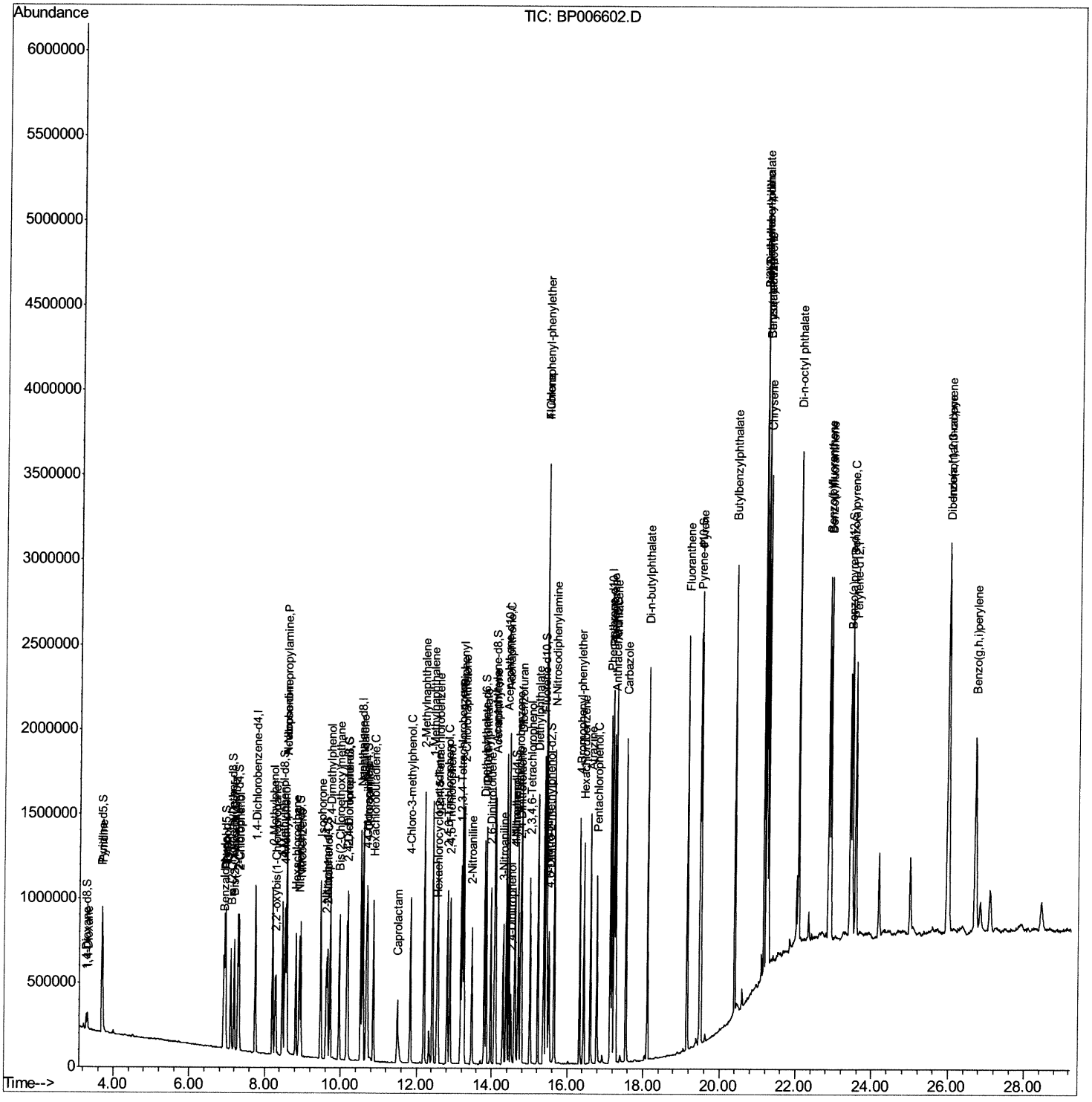
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP080721\
Data File : BP006602.D
Acq On : 08 Aug 2021 12:32
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 09 03:27:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 09 01:37:18 2021
Response via : Initial Calibration

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020EC

**Manual Integrations APPROVED**
mohammad
8/9/2021 12:17:28 PM



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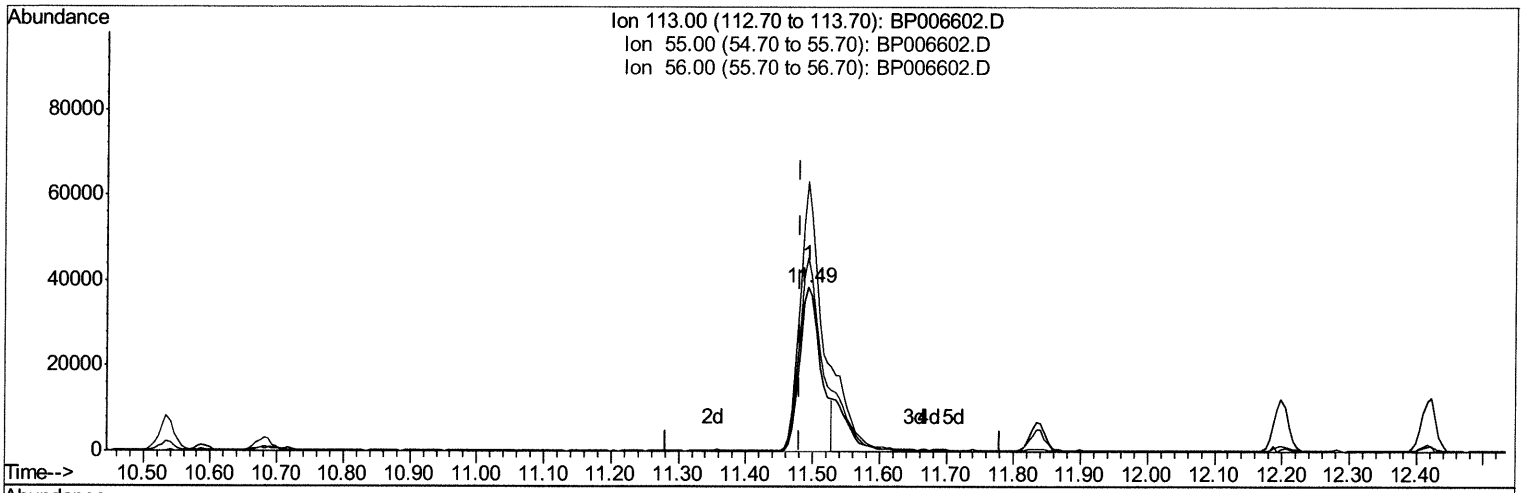


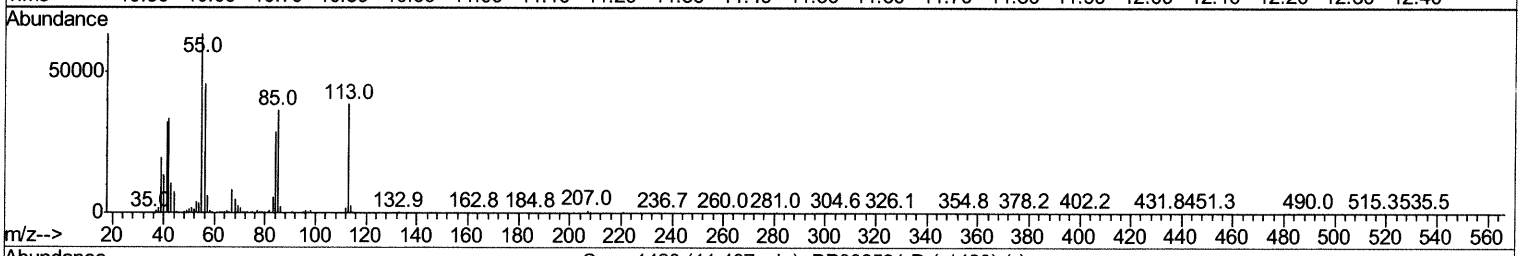


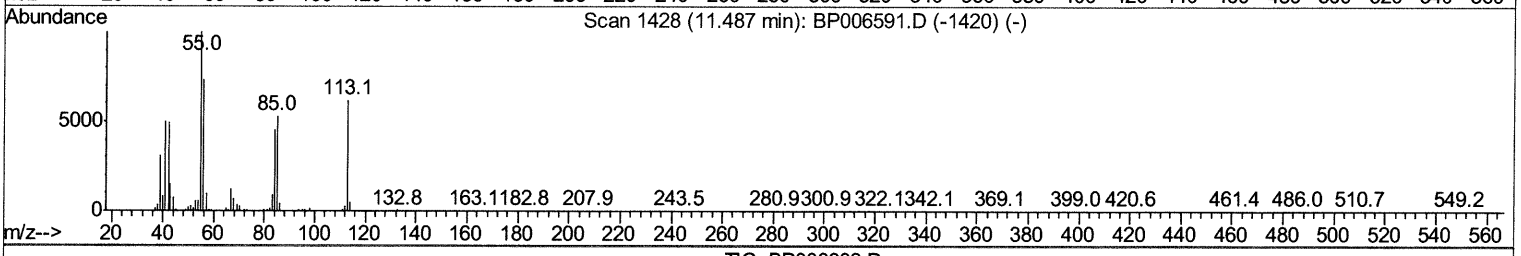


TIC: BP006602.D

(34) Caprolactam

11.493min (+0.012) 17.23ng/ul

response 84900

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 166.40 | 164.24 |
| 56.00 | 118.80 | 117.77 |
| 0.00 | 0.00 | 0.00 |

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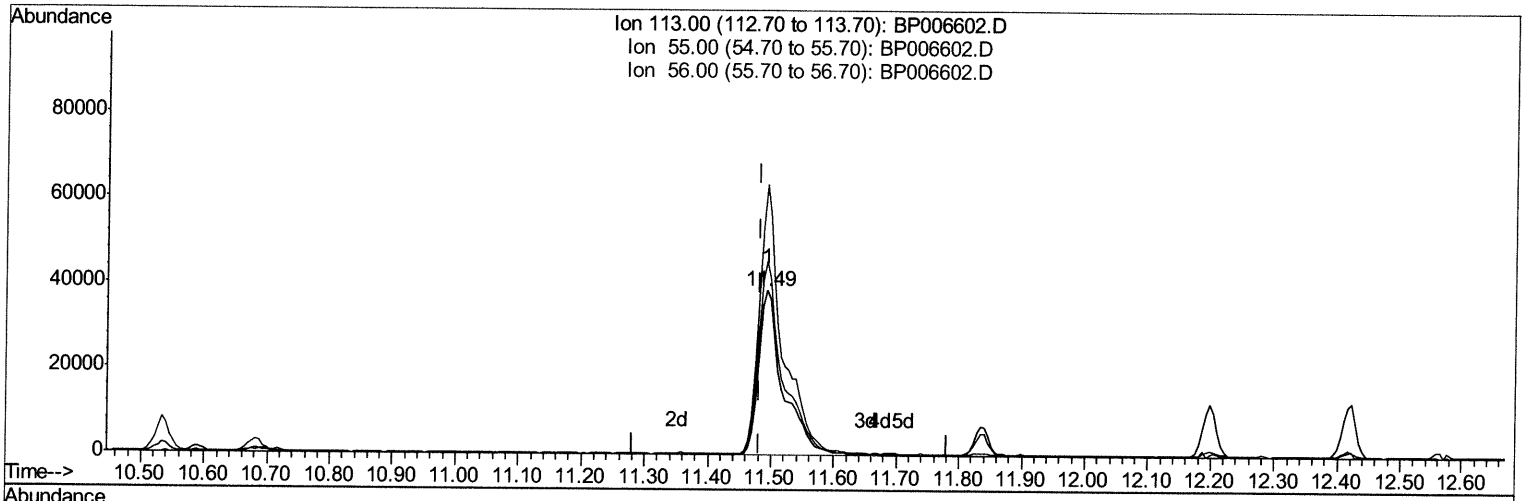
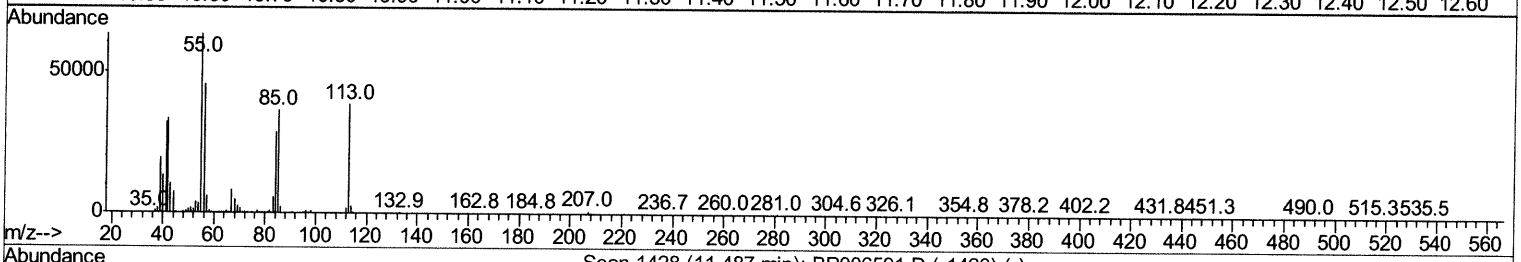
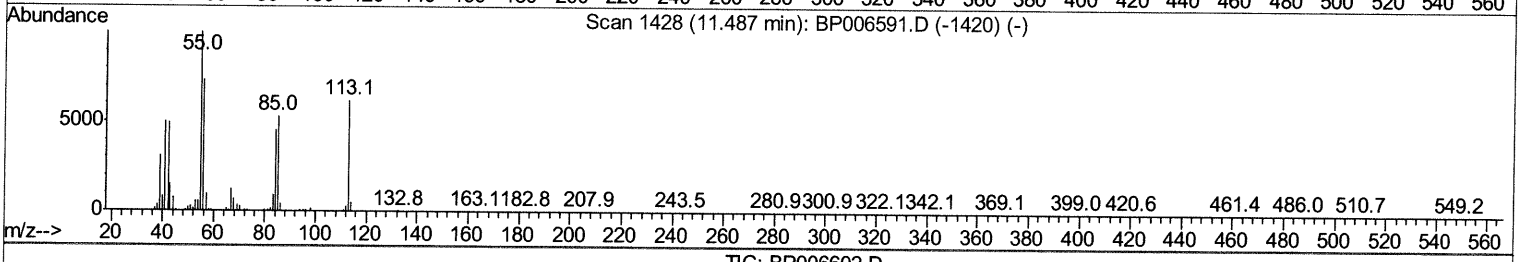
mohammad
8/9/2021 12:17:28 PM




TIC: BP006602.D

(34) Caprolactam

11.493min (+0.012) 21.41ng/ul m JU 8/11/21

response 105473

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 166.40 | 164.24 |
| 56.00 | 118.80 | 117.77 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 246827 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.53 | 136 | 1044008 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.38 | 164 | 567905 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.13 | 188 | 1091943 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.23 | 240 | 1034236 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.57 | 264 | 1091328 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 50535 | 7.64 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.68 | 84 | 363901 | 18.54 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.93 | 99 | 423698 | 18.28 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.10 | 67 | 269361 | 18.67 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.29 | 132 | 338750 | 19.67 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.47 | 113 | 332860 | 18.26 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.91 | 128 | 163326 | 21.01 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.63 | 143 | 169085 | 22.78 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.16 | 165 | 288248 | 19.82 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.68 | 131 | 443460 | 18.52 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.80 | 166 | 791610 | 19.59 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.07 | 160 | 989677 | 19.93 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.60 | 143 | 153879 | 19.17 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.38 | 176 | 649104 | 19.10 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 87483 | 14.37 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.23 | 188 | 980215 | 19.89 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.48 | 212 | 1033601 | 19.43 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.42 | 264 | 1104464 | 19.92 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 54706 | 7.836 | ng/uL | 93 |
| 5) Pyridine | 3.70 | 79 | 374005 | 18.269 | ng/ul | 97 |
| 6) Benzaldehyde | 6.90 | 77 | 193024 | 15.261 | ng/ul | 95 |
| 8) Phenol | 6.96 | 94 | 439325 | 18.540 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.19 | 93 | 353396 | 18.960 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.32 | 128 | 343289 | 19.661 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.20 | 108 | 322086 | 18.627 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.29 | 45 | 413704 | 19.867 | ng/ul | 99 |
| 16) Acetophenone | 8.58 | 105 | 524298 | 18.703 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propylamine | 8.56 | 70 | 286031 | 19.503 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.53 | 108 | 345503 | 18.607 | ng/ul | 95 |
| 19) Hexachloroethane | 8.82 | 117 | 152287 | 21.322 | ng/ul | 99 |
| 22) Nitrobenzene | 8.95 | 77 | 444935 | 22.060 | ng/ul | 98 |
| 23) Isophorone | 9.48 | 82 | 790688 | 21.929 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.66 | 139 | 183805 | 22.456 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.72 | 107 | 385589 | 19.864 | ng/ul | 100 |
| 27) Bis(2-Chloroethoxy)methane | 9.96 | 93 | 466995 | 20.169 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.19 | 162 | 281492 | 19.726 | ng/ul | 98 |
| 30) Naphthalene | 10.59 | 128 | 1079737 | 19.934 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.70 | 127 | 432589 | 18.338 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.86 | 225 | 175218 | 20.127 | ng/ul | 100 |
| 34) Caprolactam | 11.49 | 113 | 105473m | 21.405 | ng/ul | |

JU 8/11/21

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|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 11.83 | 107 | 346508 | 20.341 ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.20 | 142 | 700627 | 18.877 ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.42 | 142 | 670585 | 17.950 ng/ul | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 305119 | 19.937 ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.55 | 237 | 145864 | 14.651 ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.82 | 196 | 202084 | 21.309 ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.89 | 196 | 215025 | 20.723 ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.22 | 154 | 859899 | 20.199 ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.26 | 162 | 668993 | 20.814 ng/ul | 99 |
| 45) 2-Nitroaniline | 13.47 | 65 | 234026 | 24.648 ng/ul | 97 |
| 47) Dimethylphthalate | 13.85 | 163 | 813467 | 20.504 ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.97 | 165 | 165303 | 22.791 ng/ul | 98 |
| 50) Acenaphthylene | 14.10 | 152 | 1026827 | 21.233 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.30 | 138 | 182234 | 21.443 ng/ul | 100 |
| 52) Acenaphthene | 14.45 | 153 | 720241 | 20.299 ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.51 | 184 | 73164 | 17.008 ng/ul | 96 |
| 55) 4-Nitrophenol | 14.62 | 109 | 143713 | 22.139 ng/ul | 98 |
| 56) Dibenzofuran | 14.78 | 168 | 939391 | 19.742 ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.76 | 165 | 239374 | 23.094 ng/ul | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.01 | 232 | 176657 | 21.832 ng/ul | 98 |
| 59) Diethylphthalate | 15.22 | 149 | 863311 | 21.009 ng/ul | 99 |
| 61) Fluorene | 15.43 | 166 | 784900 | 20.053 ng/ul | 99 |
| 62) 4-Chlorophenyl-phenylether | 15.43 | 204 | 359039 | 19.676 ng/ul | 98 |
| 63) 4-Nitroaniline | 15.46 | 138 | 193745 | 23.212 ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylphenol | 15.52 | 198 | 96180 | 16.163 ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.65 | 169 | 642724 | 19.813 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.33 | 248 | 211025 | 24.131 ng/ul | 99 |
| 69) Hexachlorobenzene | 16.44 | 284 | 235303 | 20.064 ng/ul | 97 |
| 70) Atrazine | 16.62 | 200 | 228750 | 20.377 ng/ul | 99 |
| 71) Pentachlorophenol | 16.79 | 266 | 154100 | 20.901 ng/ul | 98 |
| 72) Phenanthrene | 17.18 | 178 | 1195054 | 20.382 ng/ul | 99 |
| 74) Anthracene | 17.27 | 178 | 1229279 | 20.676 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216 | 297206 | 19.856 ng/uL | 98 |
| 76) Pentachlorobenzene | 14.70 | 250 | 284905 | 19.525 ng/uL | 99 |
| 77) Carbazole | 17.55 | 167 | 1095067 | 20.135 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.11 | 149 | 1520867 | 23.398 ng/ul | 100 |
| 80) Fluoranthene | 19.16 | 202 | 1364114 | 20.811 ng/ul | 98 |
| 82) Pyrene | 19.50 | 202 | 1398174 | 20.556 ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.39 | 149 | 713006 | 25.548 ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.16 | 252 | 311060 | 13.650 ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.22 | 228 | 1297073 | 20.239 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 1057345 | 24.198 ng/ul | 99 |
| 87) Chrysene | 21.27 | 228 | 1241743 | 20.214 ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.06 | 149 | 1847191 | 24.288 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.86 | 252 | 1330602 | 19.196 ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 22.90 | 252 | 1319633 | 20.058 ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.46 | 252 | 1244283 | 20.536 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.98 | 276 | 1603940 | 20.680 ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 25.99 | 278 | 1347218 | 20.509 ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 26.72 | 276 | 1339205 | 20.898 ng/ul | 99 |