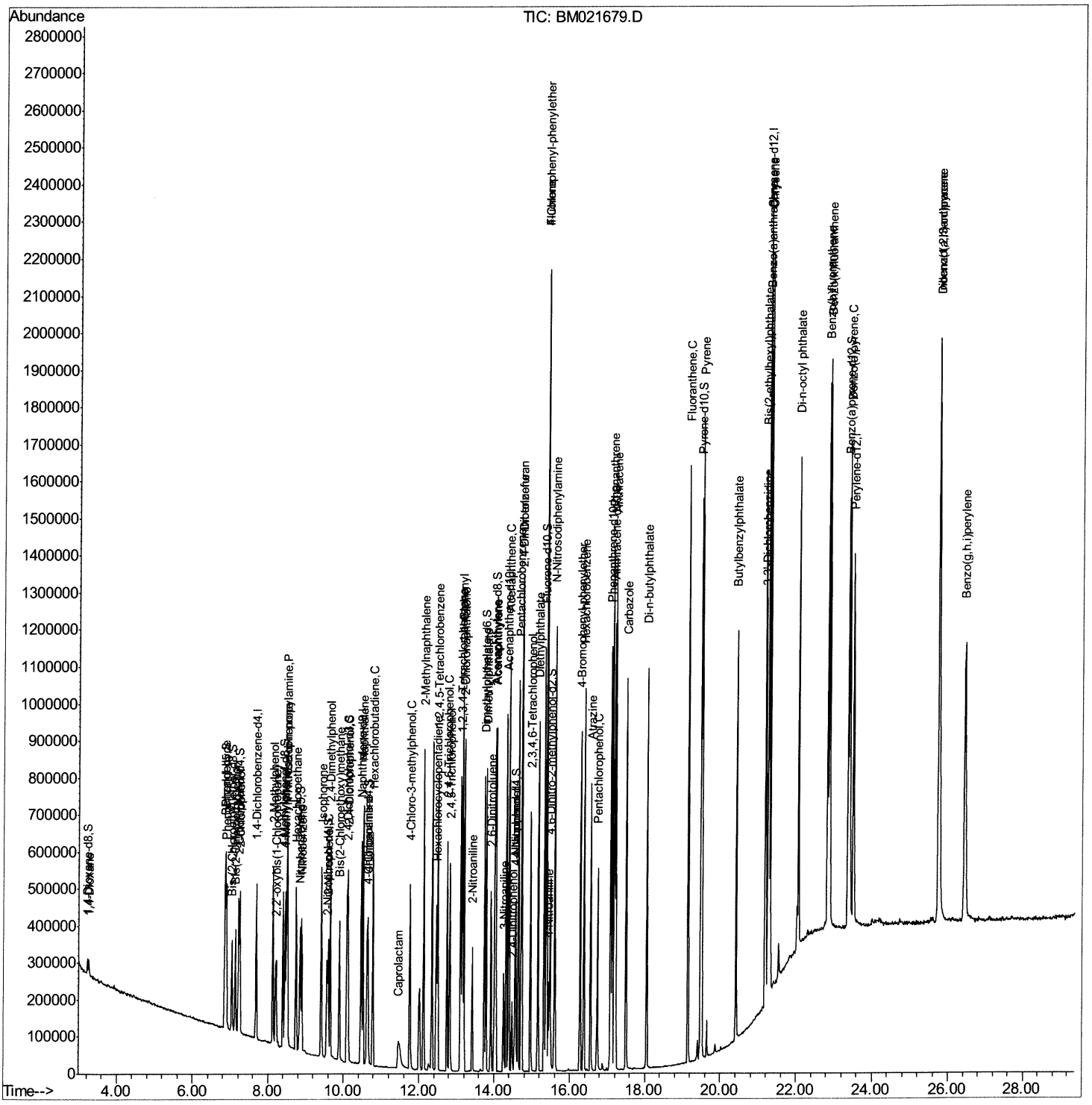
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021679.D
Acq On : 27 Jul 2019 08:53
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 04:53:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 26 18:42:09 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02005

**Manual Integrations APPROVED**
mohammad
7/29/2019 2:29:28 PM



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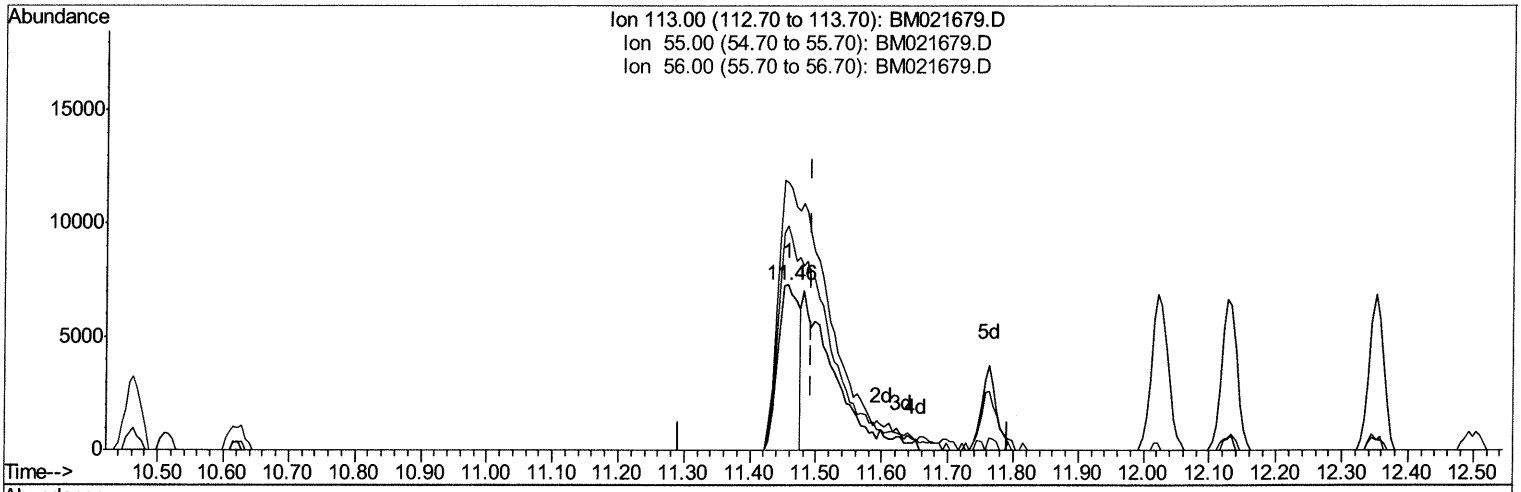


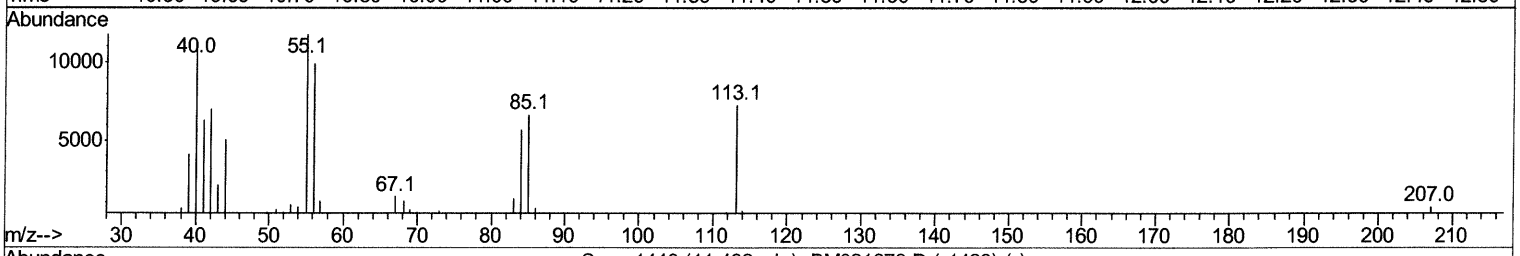


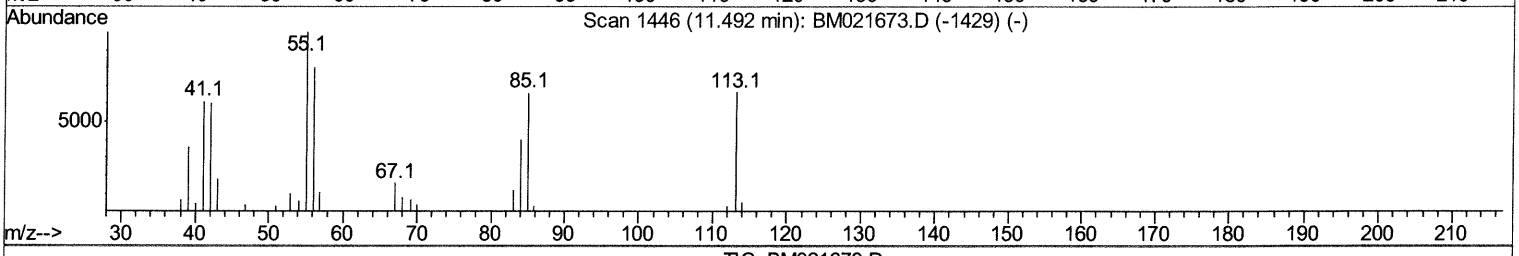


TIC: BM021679.D

(32) Caprolactam

11.457min (-0.035) 7.67ng/ul

response 16144

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 150.90 | 162.12 |
| 56.00 | 120.50 | 136.22 |
| 0.00 | 0.00 | 0.00 |

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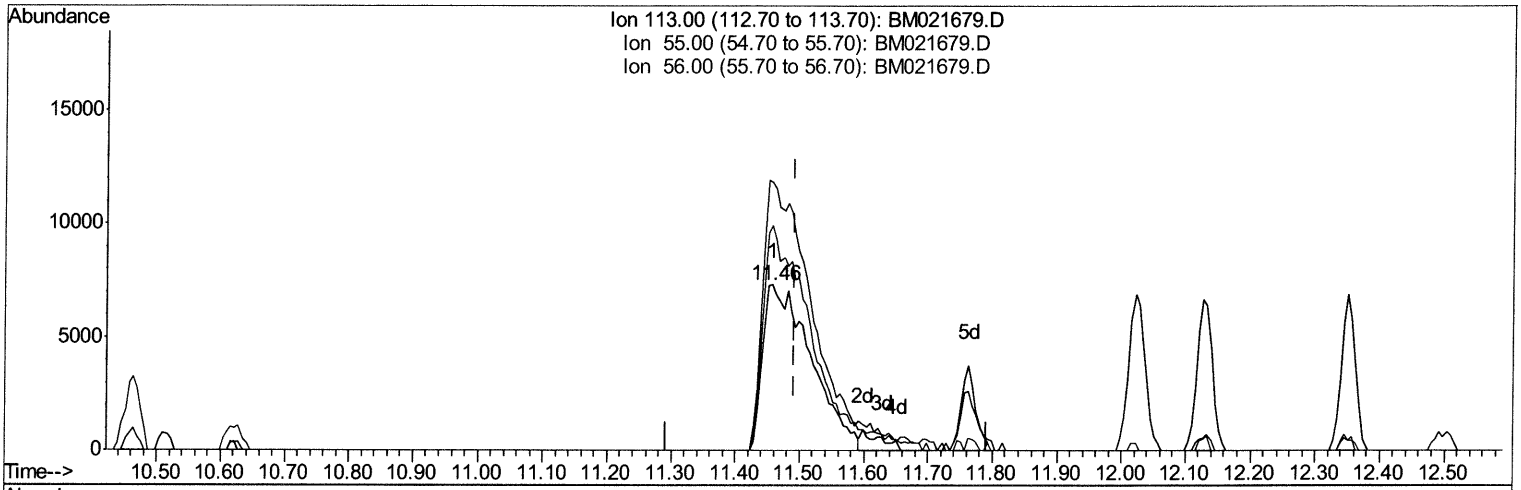
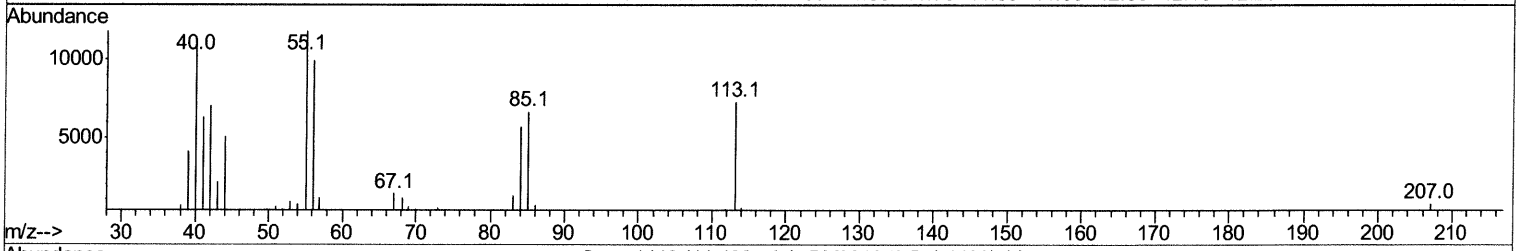
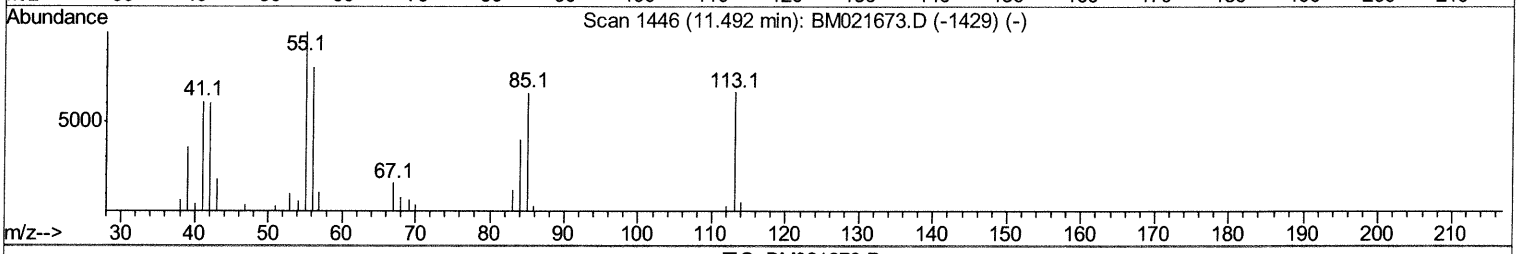
mohammad
7/29/2019 2:29:28 PM




TIC: BM021679.D

(32) Caprolactam

11.457min (-0.035) 18.21ng/ul m JU 07/29/19

response 38353

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 150.90 | 162.12 |
| 56.00 | 120.50 | 136.22 |
| 0.00 | 0.00 | 0.00 |

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**LabSampleId :** SSTD02005

**Manual Integrations APPROVED**
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7/29/2019 2:29:28 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 120111 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.46 | 136 | 475291 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.33 | 164 | 305913 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.08 | 188 | 630843 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.27 | 240 | 663507 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.51 | 264 | 720198 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.23 | 96 | 22369 | 8.96 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.86 | 99 | 185496 | 20.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 110031 | 21.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.22 | 132 | 157560 | 21.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 151076 | 19.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 74923 | 21.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.56 | 143 | 81747 | 20.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.09 | 165 | 173637 | 20.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.62 | 131 | 159472 | 20.11 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.74 | 166 | 498448 | 21.11 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.02 | 160 | 596479 | 21.26 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.55 | 143 | 69043 | 19.26 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.33 | 176 | 443199 | 21.40 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 73932 | 18.85 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.18 | 188 | 680888 | 21.45 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.48 | 212 | 760157 | 20.42 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.37 | 264 | 814061 | 21.36 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 21551 | 8.592 | ng/uL | 98 |
| 4) Benzaldehyde | 6.85 | 77 | 94152 | 21.187 | ng/ul | 97 |
| 6) Phenol | 6.89 | 94 | 199824 | 20.724 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.12 | 93 | 153316 | 21.158 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.25 | 128 | 168140 | 20.909 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.13 | 108 | 150746 | 20.297 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.22 | 45 | 197593 | 21.270 | ng/ul | 100 |
| 14) Acetophenone | 8.51 | 105 | 262287 | 20.778 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.49 | 70 | 127467 | 20.602 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.46 | 108 | 166145 | 20.224 | ng/ul | 97 |
| 17) Hexachloroethane | 8.74 | 117 | 78004 | 21.196 | ng/ul | 99 |
| 20) Nitrobenzene | 8.89 | 77 | 204454 | 21.538 | ng/ul | 100 |
| 21) Isophorone | 9.41 | 82 | 364135 | 21.331 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.59 | 139 | 93555 | 21.148 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.65 | 107 | 194941 | 21.122 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.89 | 93 | 219647 | 21.280 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.12 | 162 | 178586 | 21.281 | ng/ul | 99 |
| 28) Naphthalene | 10.52 | 128 | 557065 | 21.276 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.64 | 127 | 174480 | 20.522 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.77 | 225 | 137640 | 21.319 | ng/ul | 98 |
| 32) Caprolactam | 11.46 | 113 | 38353m | 18.213 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.76 | 107 | 174126 | 20.839 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.13 | 142 | 410862 | 21.135 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 254599 | 21.313 ng/ul | 99 |
| 37) Hexachlorocyclopentadiene | 12.46 | 237 | 130399 | 19.914 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.75 | 196 | 148161 | 21.023 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.83 | 196 | 157058 | 20.665 ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.16 | 154 | 544785 | 21.176 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.20 | 162 | 427157 | 21.184 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.43 | 65 | 87717 | 20.596 ng/ul | 93 |
| 44) Dimethylphthalate | 13.79 | 163 | 521745 | 21.289 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.93 | 165 | 87614 | 21.481 ng/ul | 100 |
| 47) Acenaphthylene | 14.05 | 152 | 646402 | 21.496 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.26 | 138 | 58771 | 17.758 ng/ul | 98 |
| 49) Acenaphthene | 14.39 | 153 | 445142 | 21.234 ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.47 | 184 | 40914 | 16.340 ng/ul | 99 |
| 52) 4-Nitrophenol | 14.57 | 109 | 64656 | 19.922 ng/ul | 98 |
| 53) Dibenzofuran | 14.73 | 168 | 659818 | 21.424 ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.72 | 165 | 142733 | 22.356 ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 141198 | 21.002 ng/ul | 99 |
| 56) Diethylphthalate | 15.16 | 149 | 498024 | 21.478 ng/ul | 99 |
| 58) Fluorene | 15.38 | 166 | 520296 | 21.127 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204 | 291817 | 21.198 ng/ul | 100 |
| 60) 4-Nitroaniline | 15.43 | 138 | 58590 | 17.383 ng/ul | 96 |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198 | 85538 | 19.542 ng/ul | 99 |
| 64) N-Nitrosodiphenylamine | 15.60 | 169 | 440574 | 21.458 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.27 | 248 | 180332 | 21.102 ng/ul | 99 |
| 66) Hexachlorobenzene | 16.37 | 284 | 215005 | 21.559 ng/ul | 99 |
| 67) Atrazine | 16.56 | 200 | 142488 | 19.535 ng/ul | 97 |
| 68) Pentachlorophenol | 16.73 | 266 | 112370 | 19.490 ng/ul | 98 |
| 69) Phenanthrene | 17.12 | 178 | 823783 | 21.682 ng/ul | 100 |
| 71) Anthracene | 17.22 | 178 | 840582 | 21.598 ng/ul | 100 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216 | 246281 | 20.842 ng/uL | 99 |
| 73) Pentachlorobenzene | 14.64 | 250 | 253691 | 21.083 ng/uL | 97 |
| 74) Carbazole | 17.50 | 167 | 692150 | 21.480 ng/ul | 99 |
| 75) Di-n-butylphthalate | 18.05 | 149 | 740966 | 20.845 ng/ul | 99 |
| 76) Fluoranthene | 19.14 | 202 | 964750 | 21.766 ng/ul | 99 |
| 79) Pyrene | 19.51 | 202 | 1012922 | 20.460 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.42 | 149 | 300034 | 19.644 ng/ul | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.20 | 252 | 233883 | 19.266 ng/ul | 100 |
| 82) Benzo(a)anthracene | 21.26 | 228 | 1035508 | 21.431 ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 434117 | 19.743 ng/ul | 100 |
| 84) Chrysene | 21.31 | 228 | 986535 | 21.657 ng/ul | 100 |
| 86) Di-n-octyl phthalate | 22.06 | 149 | 780554 | 18.362 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.84 | 252 | 1020512 | 20.825 ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 22.88 | 252 | 1035826 | 21.621 ng/ul | 100 |
| 90) Benzo(a)pyrene | 23.41 | 252 | 987887 | 21.532 ng/ul | 100 |
| 91) Indeno(1,2,3-cd)pyrene | 25.75 | 276 | 1179418 | 22.168 ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.76 | 278 | 980503 | 22.166 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 26.44 | 276 | 969073 | 21.905 ng/ul | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed