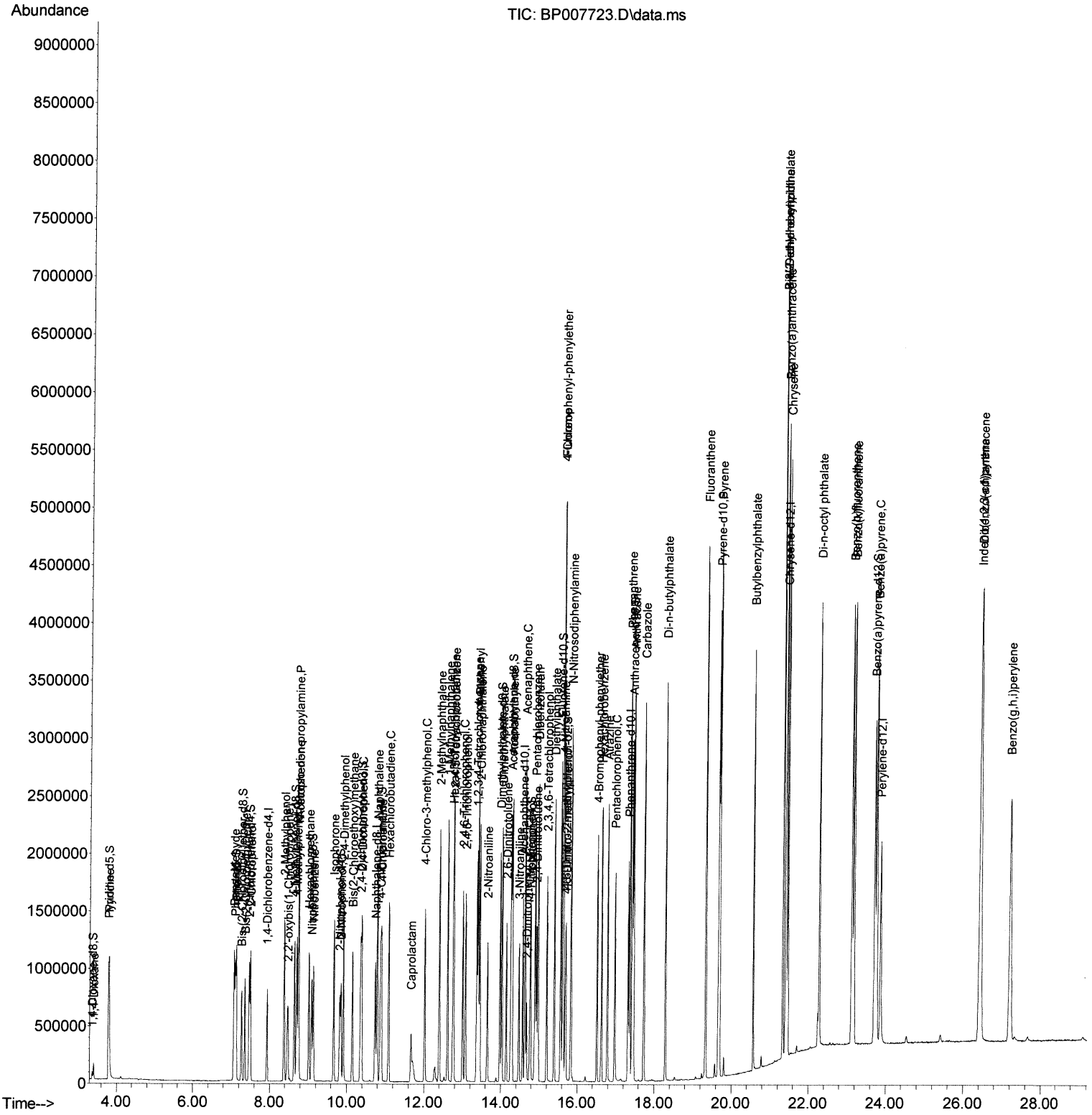
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102521\
Data File : BP007723.D
Acq On : 27 Oct 2021 17:13
Operator : CG/JU
Sample : PB140206BS
Misc :
ALS Vial : 80 Sample Multiplier: 1

Quant Time: Oct 27 17:38:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP102521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 27 15:37:43 2021
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS206

**Manual Integrations APPROVED**
mohammad
10/28/2021 11:12:13 AM



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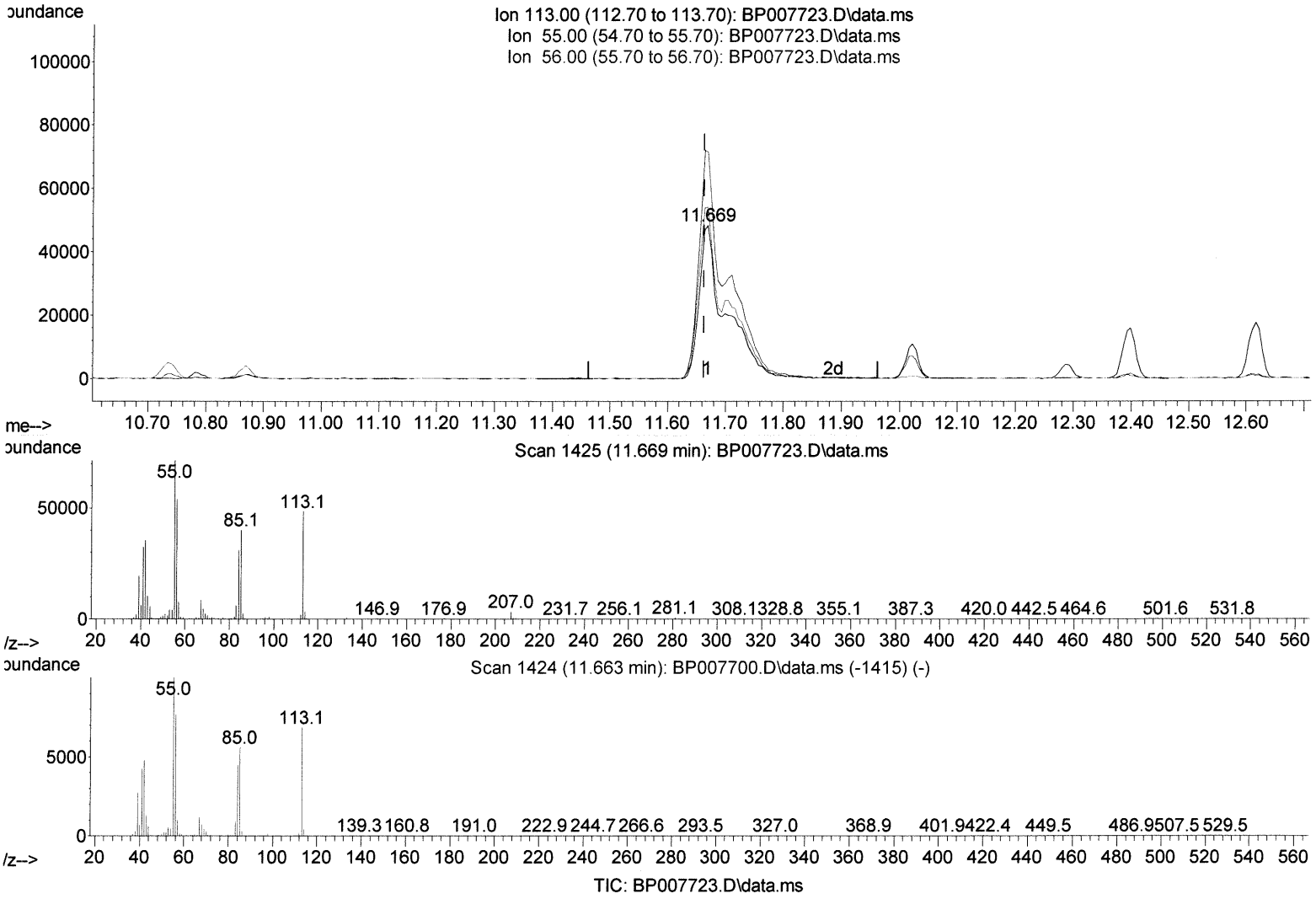


**(34) Caprolactam**

**11.669min (+ 0.006) 22.21 ng/ul**

**response 96025**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 147.79 |
| 56.00 | 120.30 | 111.89 |
| 0.00 | 0.00 | 0.00 |

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mohammad
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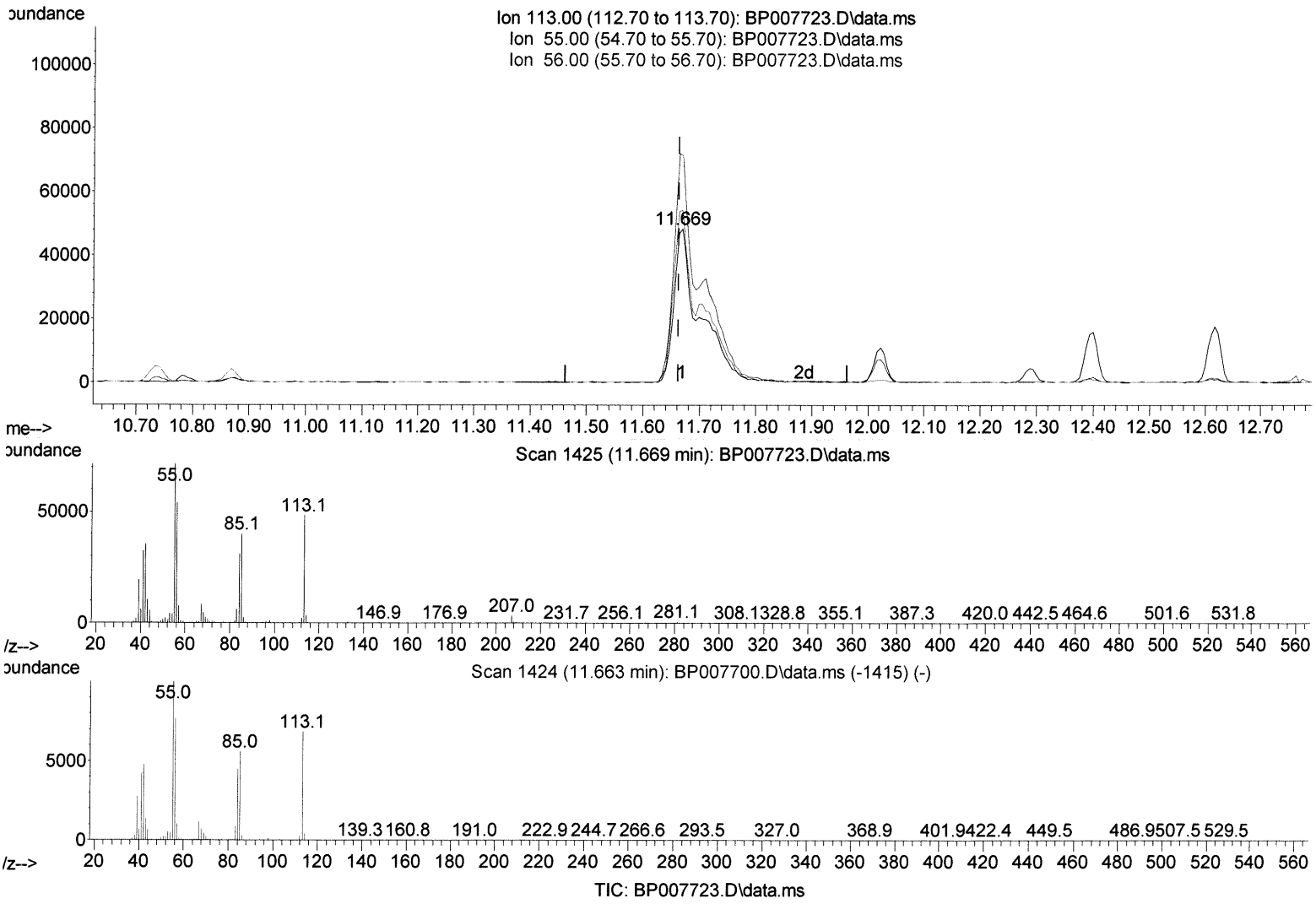


(34) Caprolactam

11.669min (+ 0.006) 35.74 ng/ul m 10/29/21 JU

response 154531

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 147.79 |
| 56.00 | 120.30 | 111.89 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102521\
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**Instrument :**
BNA_P
**ClientSampleId :**
SLCS206

**Manual Integrations APPROVED**
mohammad
10/28/2021 11:12:13 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.934 | 152 | 221692 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.740 | 136 | 888527 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.569 | 164 | 563570 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.328 | 188 | 1205203 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.416 | 240 | 1235303 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.863 | 264 | 1328251 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.370 | 96 | 32331 | 6.625 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.781 | 84 | 486747 | 32.981 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.099 | 99 | 584061 | 34.686 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.263 | 67 | 333593 | 35.683 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.463 | 132 | 468613 | 35.782 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.646 | 113 | 462196 | 35.054 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.093 | 128 | 220348 | 36.391 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.816 | 143 | 238061 | 35.997 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.357 | 165 | 471195 | 35.004 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.869 | 131 | 573534 | 32.223 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.981 | 166 | 1334626 | 34.961 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.263 | 160 | 1628588 | 34.807 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.763 | 143 | 248145 | 35.461 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.563 | 176 | 1126724 | 35.010 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 200 | 208329 | 32.316 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.428 | 188 | 1738213 | 35.095 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.663 | 212 | 2156605 | 37.498 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.704 | 264 | 2227516 | 34.138 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.405 | 88 | 73224 | 13.421 | ng/uL | 89 |
| 5) Pyridine | 3.799 | 79 | 508675 | 35.187 | ng/ul | 97 |
| 6) Benzaldehyde | 7.069 | 77 | 377298 | 46.608 | ng/ul | 97 |
| 8) Phenol | 7.122 | 94 | 636288 | 37.400 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.358 | 93 | 499549 | 37.245 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.499 | 128 | 513493 | 38.676 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.375 | 108 | 474682 | 36.936 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 581210 | 38.152 | ng/ul | 97 |
| 16) Acetophenone | 8.758 | 105 | 723760 | 36.779 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.746 | 70 | 353462 | 37.765 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.710 | 108 | 513205 | 37.447 | ng/ul | 96 |
| 19) Hexachloroethane | 9.016 | 117 | 208051 | 38.289 | ng/ul | 94 |
| 22) Nitrobenzene | 9.134 | 77 | 540951 | 37.862 | ng/ul | 96 |
| 23) Isophorone | 9.663 | 82 | 1016511 | 37.192 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.846 | 139 | 274730 | 38.596 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.910 | 107 | 544949 | 35.959 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.146 | 93 | 646977 | 36.925 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.381 | 162 | 487690 | 36.979 | ng/ul | 98 |
| 30) Naphthalene | 10.787 | 128 | 1515276 | 36.123 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.893 | 127 | 618024 | 34.113 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.081 | 225 | 346457 | 36.033 | ng/ul | 99 |
| 34) Caprolactam | 11.669 | 113 | 154531m | 35.736 | ng/ul | 10/28/21 JU |
| 35) 4-Chloro-3-methylphenol | 12.022 | 107 | 520722 | 38.139 | ng/ul | 98 |

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10/28/2021 11:12:13 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.398 | 142 | 1050266 | 36.418 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.616 | 142 | 1053542 | 36.181 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.769 | 216 | 619337 | 36.230 | ng/ul# | 96 |
| 40) Hexachlorocyclopentadiene | 12.751 | 237 | 347443 | 31.341 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.004 | 196 | 398368 | 37.037 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 13.075 | 196 | 439076 | 37.913 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.404 | 154 | 1407706 | 36.157 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.445 | 162 | 1099072 | 36.428 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.645 | 65 | 307222 | 40.362 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.028 | 163 | 1398898 | 37.074 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.145 | 165 | 290726 | 40.340 | ng/ul | 91 |
| 50) Acenaphthylene | 14.293 | 152 | 1734724 | 36.620 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.469 | 138 | 295761 | 38.693 | ng/ul# | 96 |
| 52) Acenaphthene | 14.634 | 153 | 1139517 | 36.474 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.675 | 184 | 147916 | 32.883 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.781 | 109 | 225116 | 36.389 | ng/ul | 93 |
| 56) Dibenzofuran | 14.969 | 168 | 1654560 | 36.228 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.934 | 165 | 413460 | 39.946 | ng/ul | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 360931 | 38.234 | ng/ul | 97 |
| 59) Diethylphthalate | 15.398 | 149 | 1369866 | 37.017 | ng/ul | 98 |
| 61) Fluorene | 15.622 | 166 | 1282168 | 36.016 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.616 | 204 | 669983 | 35.488 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.634 | 138 | 290442 | 40.929 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198 | 228996 | 35.290 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.828 | 169 | 1155288 | 37.155 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.516 | 248 | 429592 | 36.556 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.634 | 284 | 493144 | 36.238 | ng/ul | 95 |
| 70) Atrazine | 16.786 | 200 | 455230 | 35.310 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.975 | 266 | 302101 | 35.746 | ng/ul | 99 |
| 72) Phenanthrene | 17.369 | 178 | 2172668 | 37.298 | ng/ul | 100 |
| 74) Anthracene | 17.463 | 178 | 2139483 | 36.925 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.369 | 216 | 615292 | 34.919 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.892 | 250 | 591530 | 34.814 | ng/uL | 100 |
| 77) Carbazole | 17.728 | 167 | 1989989 | 37.203 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.286 | 149 | 2334476 | 38.120 | ng/ul | 99 |
| 80) Fluoranthene | 19.333 | 202 | 2716349 | 38.538 | ng/ul | 99 |
| 82) Pyrene | 19.686 | 202 | 2716414 | 38.078 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.563 | 149 | 1095007 | 39.450 | ng/ul | 100 |
| 84) 3,3'-Dichlorobenzidine | 21.333 | 252 | 918992 | 40.141 | ng/ul# | 98 |
| 85) Benzo(a)anthracene | 21.404 | 228 | 2763540 | 37.673 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.333 | 149 | 1581188 | 38.337 | ng/ul | 98 |
| 87) Chrysene | 21.457 | 228 | 2664845 | 37.572 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.274 | 149 | 2814764 | 38.043 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.116 | 252 | 2951983 | 37.718 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.169 | 252 | 2849837 | 38.911 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.757 | 252 | 2903136 | 38.285 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.421 | 276 | 3408474 | 37.736 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.433 | 278 | 2912784 | 37.631 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.204 | 276 | 2937537 | 38.236 | ng/ul | 98 |

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