Quantitation Report (QT Reviewed)

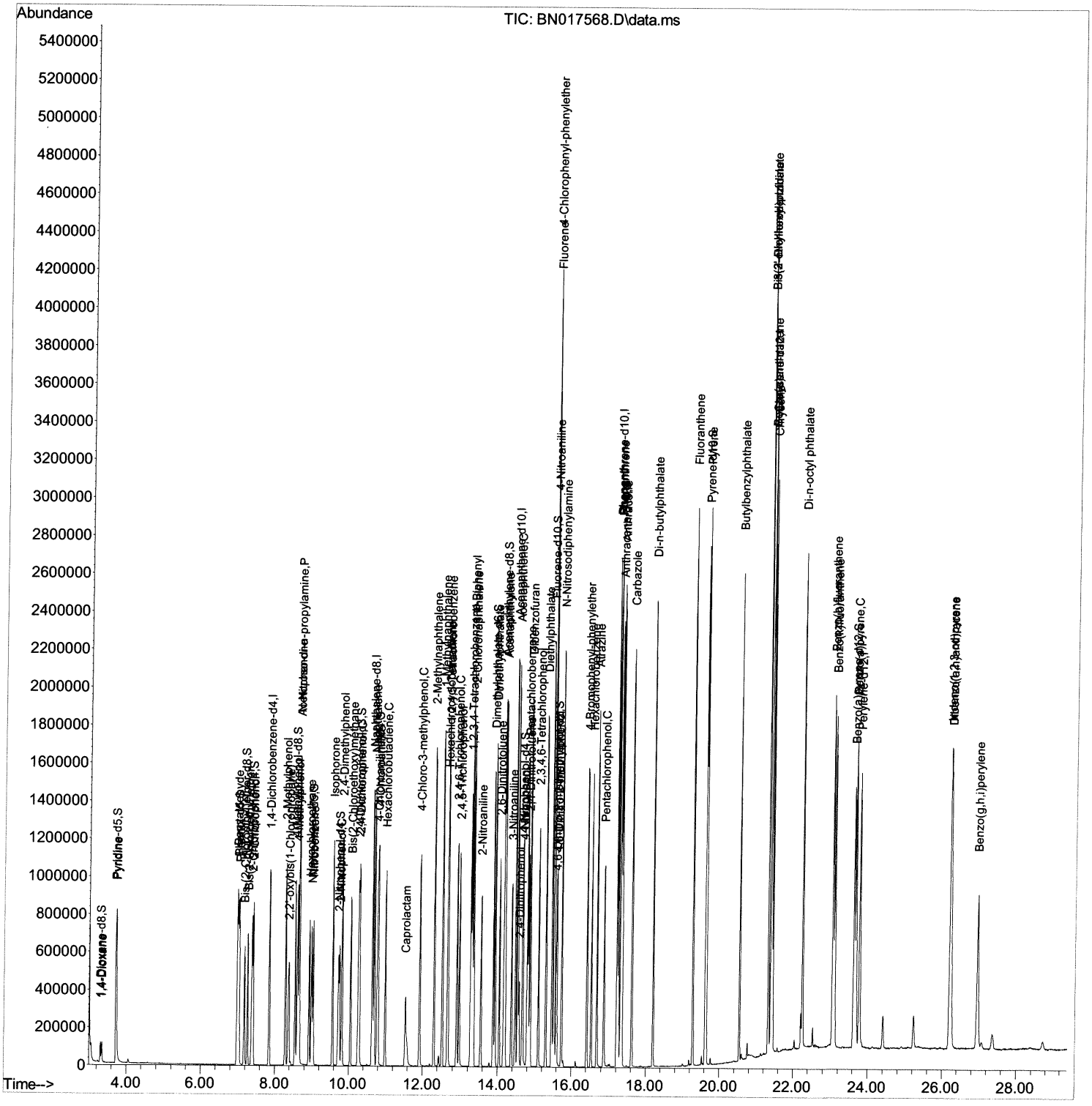
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112421\
Data File : BN017568.D
Acq On : 23 Nov 2021 16:09
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 17:20:22 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN112221.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 22 16:16:36 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/23/2021
Supervised By :mohammad ahmed 11/26/2021



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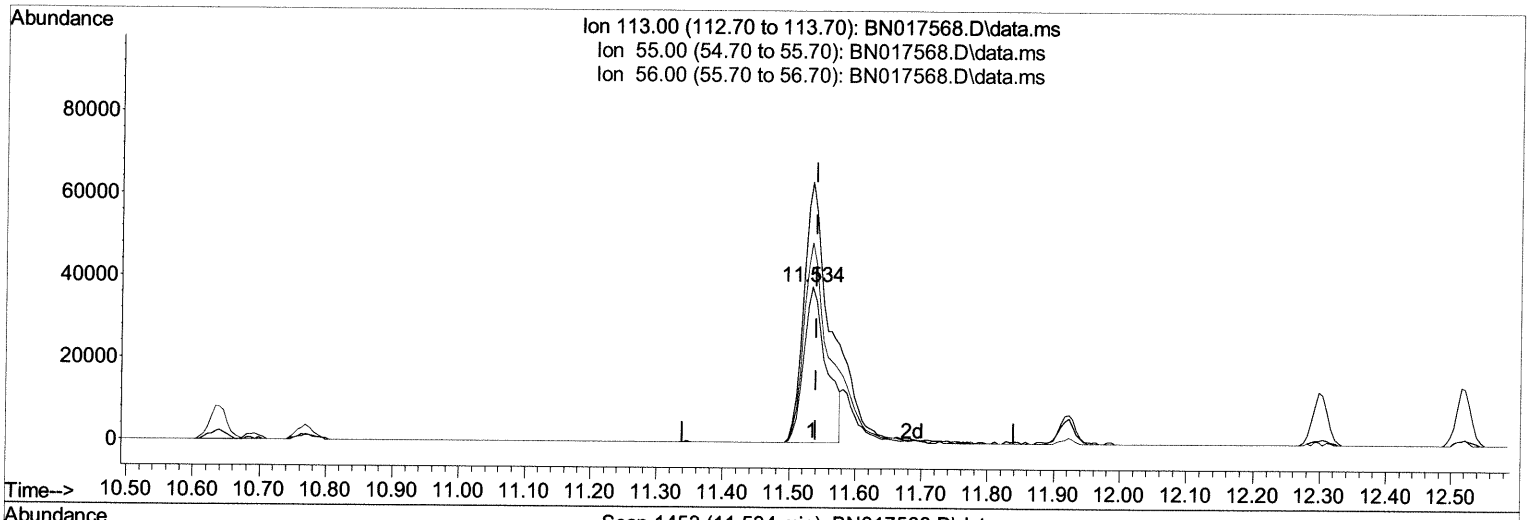


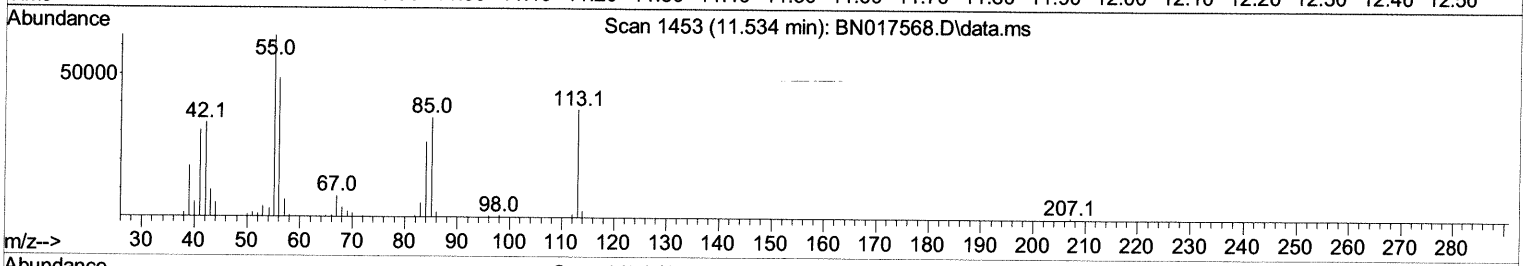


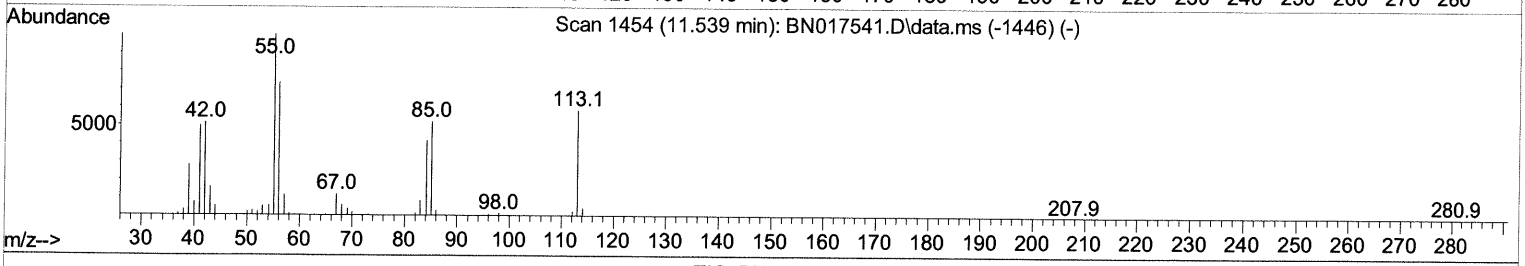


TIC: BN017568.D\data.ms

**(34) Caprolactam**

**11.534min (-0.006) 16.92 ng/ul**

**response 90440**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 176.80 | 167.29 |
| 56.00 | 129.90 | 128.40 |
| 0.00 | 0.00 | 0.00 |

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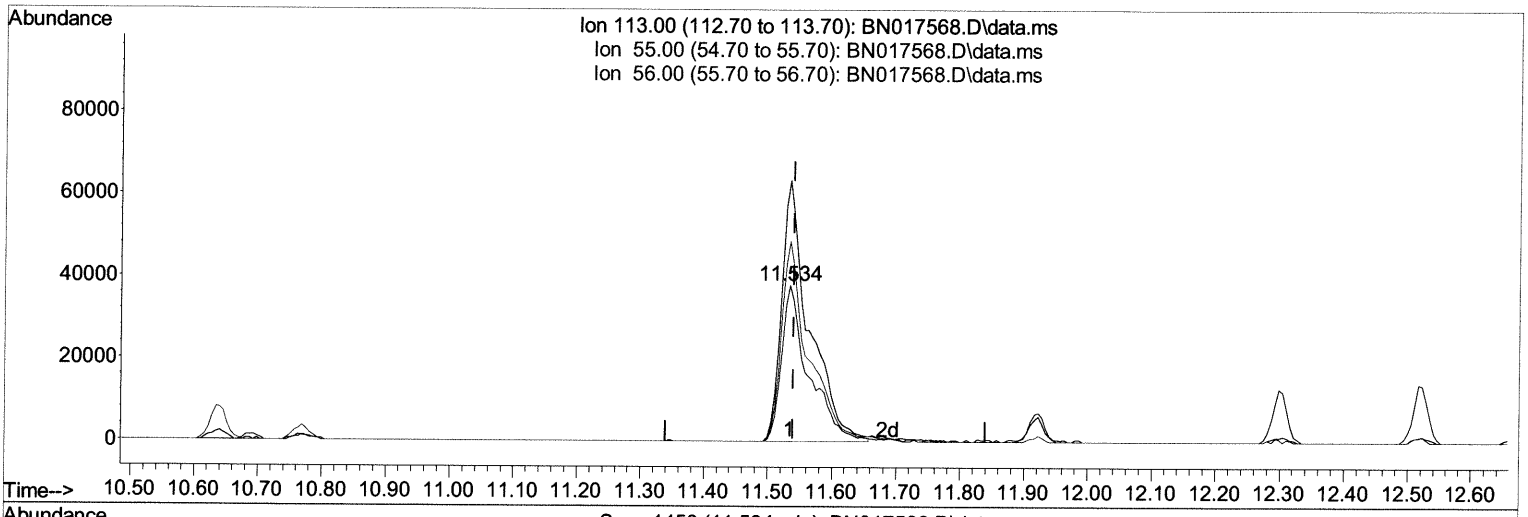


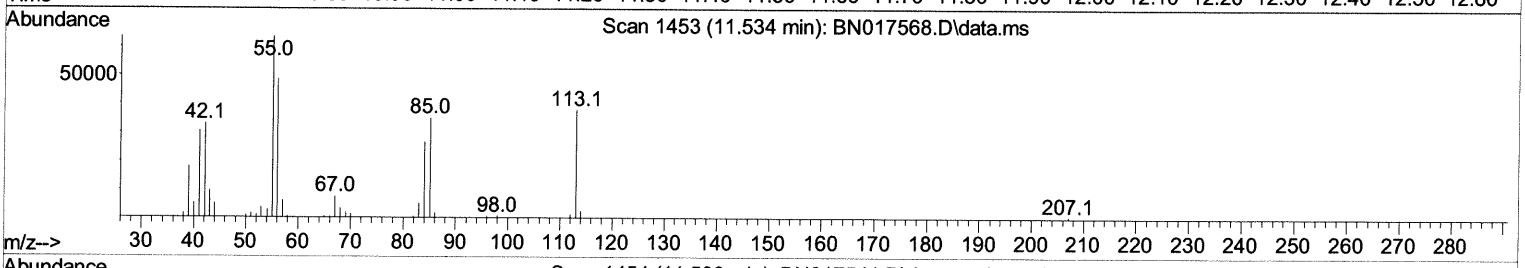


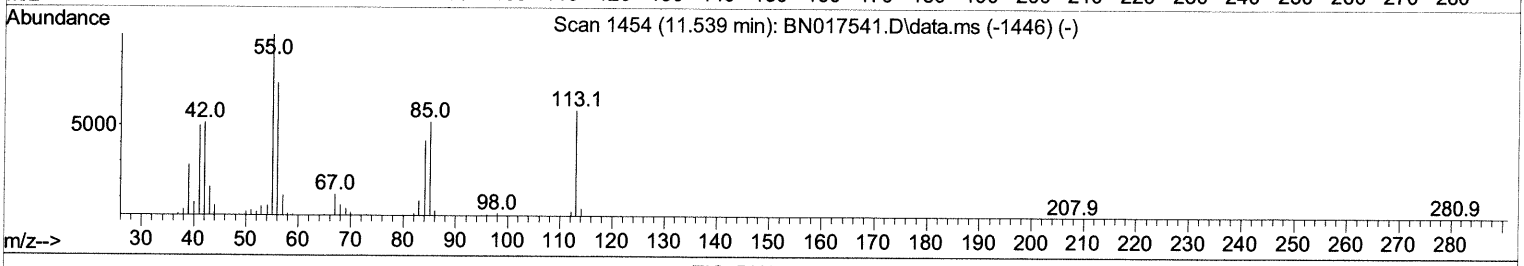


TIC: BN017568.D\data.ms

**(34) Caprolactam**

**11.534min (-0.006) 20.83 ng/ul m** 11/30/21 JU

**response 111311**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 176.80 | 167.29 |
| 56.00 | 129.90 | 128.40 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/23/2021
Supervised By :mohammad ahmed 11/26/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.846 | 152 | 269623 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.640 | 136 | 1184438 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.475 | 164 | 752541 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.222 | 188 | 1503725 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.410 | 240 | 1166840 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.774 | 264 | 985420 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.305 | 96 | 51869 | 6.875 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.705 | 84 | 349950 | 17.677 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.005 | 99 | 449871 | 18.328 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.169 | 67 | 277645 | 18.051 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.375 | 132 | 344090 | 18.514 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.546 | 113 | 358554 | 18.571 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.993 | 128 | 173238 | 19.306 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.722 | 143 | 179088 | 20.172 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.257 | 165 | 335642 | 19.203 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.769 | 131 | 492239 | 19.613 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.887 | 166 | 996971 | 18.221 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.169 | 160 | 1310717 | 18.658 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.663 | 143 | 180982 | 19.547 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.469 | 176 | 857772 | 18.587 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 136041 | 17.418 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.322 | 188 | 1307305 | 18.705 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.616 | 212 | 1426477 | 19.258 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.621 | 264 | 975310 | 18.826 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.340 | 88 | 52589 | 7.060 | ng/uL | 98 |
| 5) Pyridine | 3.728 | 79 | 357075 | 17.923 | ng/ul | 91 |
| 6) Benzaldehyde | 6.981 | 77 | 296344 | 22.759 | ng/ul | 93 |
| 8) Phenol | 7.034 | 94 | 454555 | 18.285 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.263 | 93 | 363322 | 17.824 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.405 | 128 | 352995 | 18.432 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.281 | 108 | 343481 | 18.345 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.369 | 45 | 486965 | 17.720 | ng/ul | 98 |
| 16) Acetophenone | 8.657 | 105 | 555643 | 19.244 | ng/ul | 93 |
| 17) N-Nitroso-di-n-propyla... | 8.652 | 70 | 288377 | 19.163 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.610 | 108 | 374048 | 18.648 | ng/ul | 99 |
| 19) Hexachloroethane | 8.928 | 117 | 147472 | 18.225 | ng/ul | 96 |
| 22) Nitrobenzene | 9.034 | 77 | 420346 | 18.536 | ng/ul | 95 |
| 23) Isophorone | 9.563 | 82 | 811397 | 19.116 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.751 | 139 | 192806 | 19.688 | ng/ul# | 92 |
| 26) 2,4-Dimethylphenol | 9.816 | 107 | 425225 | 18.776 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.051 | 93 | 499721 | 18.088 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.287 | 162 | 333794 | 18.939 | ng/ul | 97 |
| 30) Naphthalene | 10.687 | 128 | 1152675 | 18.190 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.793 | 127 | 491936 | 19.318 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.987 | 225 | 211082 | 18.208 | ng/ul | 99 |
| 34) Caprolactam | 11.534 | 113 | 111311m | 20.825 | ng/ul | 11/30/21 JU |
| 35) 4-Chloro-3-methylphenol | 11.922 | 107 | 385332 | 19.433 | ng/ul | 97 |

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SSTDCCC020

**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 11/26/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.298 | 142 | 784003 | 18.538 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.522 | 142 | 798948 | 18.657 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.675 | 216 | 393875 | 17.646 | ng/ul | 96 |
| 40) Hexachlorocyclopentadiene | 12.657 | 237 | 229504 | 16.031 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.910 | 196 | 259824 | 19.054 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.981 | 196 | 275509 | 18.529 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.310 | 154 | 1059238 | 17.847 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.351 | 162 | 802060 | 17.772 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.545 | 65 | 247157 | 19.787 | ng/ul | 88 |
| 47) Dimethylphthalate | 13.934 | 163 | 1012692 | 18.672 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.045 | 165 | 202192 | 19.865 | ng/ul | 88 |
| 50) Acenaphthylene | 14.198 | 152 | 1311766 | 18.322 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.375 | 138 | 221622 | 20.567 | ng/ul | 91 |
| 52) Acenaphthene | 14.539 | 153 | 841762 | 18.235 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.581 | 184 | 87363 | 17.075 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.681 | 109 | 156482 | 19.378 | ng/ul | 83 |
| 56) Dibenzofuran | 14.875 | 168 | 1180118 | 17.808 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.834 | 165 | 294285 | 20.404 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 216249 | 19.656 | ng/ul | 96 |
| 59) Diethylphthalate | 15.298 | 149 | 1029365 | 18.952 | ng/ul | 99 |
| 61) Fluorene | 15.528 | 166 | 919297 | 18.480 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.522 | 204 | 445449 | 18.350 | ng/ul | 93 |
| 63) 4-Nitroaniline | 15.534 | 138 | 216349 | 23.812 | ng/ul# | 86 |
| 66) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 139477 | 17.788 | ng/ul# | 90 |
| 67) N-Nitrosodiphenylamine | 15.733 | 169 | 836608 | 18.457 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.416 | 248 | 266154 | 17.926 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.533 | 284 | 279433 | 17.660 | ng/ul# | 85 |
| 70) Atrazine | 16.681 | 200 | 308171 | 19.251 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.875 | 266 | 167434 | 18.610 | ng/ul | 99 |
| 72) Phenanthrene | 17.263 | 178 | 1526661 | 18.607 | ng/ul | 98 |
| 74) Anthracene | 17.351 | 178 | 1526733 | 18.765 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.275 | 216 | 406016 | 17.221 | ng/uL | 95 |
| 76) Pentachlorobenzene | 14.804 | 250 | 373254 | 17.411 | ng/uL | 93 |
| 77) Carbazole | 17.622 | 167 | 1386723 | 19.859 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.198 | 149 | 1723416 | 20.309 | ng/ul | 99 |
| 80) Fluoranthene | 19.280 | 202 | 1702052 | 19.102 | ng/ul | 100 |
| 82) Pyrene | 19.645 | 202 | 1702080 | 19.081 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.551 | 149 | 738481 | 22.677 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.327 | 252 | 462695 | 20.845 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.392 | 228 | 1449994 | 18.760 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.333 | 149 | 1063215 | 22.558 | ng/ul# | 99 |
| 87) Chrysene | 21.445 | 228 | 1391835 | 18.326 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.251 | 149 | 1727715 | 23.085 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.057 | 252 | 1272549 | 18.676 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.104 | 252 | 1140179 | 17.722 | ng/ul | 95 |
| 93) Benzo(a)pyrene | 23.668 | 252 | 1172222 | 18.120 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.215 | 276 | 1216523 | 18.110 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.233 | 278 | 1016261 | 17.812 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 26.962 | 276 | 1010003 | 17.592 | ng/ul | 95 |

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