Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081524\
Data File : BN033406.D
Acq On : 15 Aug 2024 19:34
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD020311

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 15 23:11:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 02:12:11 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.569 | 152 | 596967 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.334 | 136 | 2561157 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.210 | 164 | 1612762 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.957 | 188 | 3191891 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.192 | 240 | 2041281 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.021 | 264 | 2150129 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.158 | 96 | 96615 | 6.603 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.546 | 84 | 742960 | 16.734 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.752 | 99 | 983776 | 17.967 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.916 | 67 | 625136 | 17.806 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.111 | 132 | 814171 | 19.724 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.275 | 113 | 796905 | 17.600 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.710 | 128 | 402362 | 20.642 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.428 | 143 | 416920 | 24.291 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.963 | 165 | 784669 | 20.535 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.475 | 131 | 1106336 | 17.366 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.634 | 166 | 2188233 | 17.829 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.898 | 160 | 2630420 | 19.142 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.416 | 143 | 428458 | 18.066 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.210 | 176 | 1882337 | 17.882 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.328 | 200 | 320871 | 21.344 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.057 | 188 | 2784106 | 18.397 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.357 | 212 | 2703550 | 23.985 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.827 | 264 | 2144567 | 19.183 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.193 | 88 | 102576 | 6.681 | ng/uL | 96 |
| 5) Pyridine | 3.564 | 79 | 751758 | 16.470 | ng/ul | 93 |
| 6) Benzaldehyde | 6.722 | 77 | 618854 | 21.751 | ng/ul | 99 |
| 8) Phenol | 6.781 | 94 | 1021682 | 17.757 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.011 | 93 | 821411 | 17.928 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.140 | 128 | 829111 | 19.253 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.011 | 108 | 778293 | 17.880 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.093 | 45 | 1260489 | 16.948 | ng/ul | 97 |
| 16) Acetophenone | 8.381 | 105 | 1249477 | 16.992 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.381 | 70 | 617894 | 16.444 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.340 | 108 | 850595 | 17.457 | ng/ul | 97 |
| 19) Hexachloroethane | 8.634 | 117 | 345957 | 19.226 | ng/ul | 96 |
| 22) Nitrobenzene | 8.752 | 77 | 945792 | 19.296 | ng/ul | 100 |
| 23) Isophorone | 9.281 | 82 | 1763549 | 17.731 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.458 | 139 | 460134 | 22.972 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.528 | 107 | 862355 | 18.189 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.769 | 93 | 1117755 | 18.146 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 9.987 | 162 | 781271 | 19.769 | ng/ul | 98 |
| 30) Naphthalene | 10.387 | 128 | 2650658 | 18.562 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.499 | 127 | 1071252 | 17.194 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 10.681 | 225 | 500384 | 20.255 | ng/ul | 98 |
| 34) Caprolactam | 11.269 | 113 | 262455m | 16.629 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.634 | 107 | 850702 | 18.711 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.004 | 142 | 1808604 | 17.996 | ng/ul | 99 |

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**Instrument :**
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Quant Title : SVOA CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.228 | 142 | 1809111 | 17.810 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.381 | 216 | 928944 | 20.117 | ng/ul | 95 |
| 40) Hexachlorocyclopentadiene | 12.369 | 237 | 496932 | 19.420 | ng/ul# | 98 |
| 41) 2,4,6-Trichlorophenol | 12.628 | 196 | 617121 | 21.781 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.699 | 196 | 666872 | 20.900 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.040 | 154 | 2297778 | 18.891 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.069 | 162 | 1793552 | 19.021 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.281 | 65 | 555513 | 20.506 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.681 | 163 | 2213096 | 17.962 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.787 | 165 | 471834 | 21.071 | ng/ul | 99 |
| 50) Acenaphthylene | 13.928 | 152 | 2783289 | 18.547 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.116 | 138 | 511075 | 20.155 | ng/ul | 97 |
| 52) Acenaphthene | 14.275 | 153 | 1967533 | 18.555 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.316 | 184 | 219904 | 19.880 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.434 | 109 | 327518 | 17.633 | ng/ul | 94 |
| 56) Dibenzofuran | 14.610 | 168 | 2677689 | 18.086 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.575 | 165 | 667687 | 19.841 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.840 | 232 | 533733 | 20.583 | ng/ul | 97 |
| 59) Diethylphthalate | 15.063 | 149 | 2295964 | 17.862 | ng/ul | 100 |
| 61) Fluorene | 15.263 | 166 | 2131511 | 17.493 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.269 | 204 | 1032630 | 17.662 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.287 | 138 | 483318 | 18.519 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.345 | 198 | 353492 | 20.807 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.481 | 169 | 1847251 | 19.245 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.163 | 248 | 646310 | 19.838 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.269 | 284 | 711814 | 19.083 | ng/ul | 93 |
| 70) Atrazine | 16.445 | 200 | 676602 | 18.946 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.610 | 266 | 481120 | 20.503 | ng/ul | 97 |
| 72) Phenanthrene | 17.004 | 178 | 3233093 | 18.115 | ng/ul | 98 |
| 74) Anthracene | 17.092 | 178 | 3298272 | 18.140 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 12.993 | 216 | 930771 | 21.629 | ng/uL | 94 |
| 76) Pentachlorobenzene | 14.534 | 250 | 898503 | 20.288 | ng/uL | 97 |
| 77) Carbazole | 17.363 | 167 | 2894582 | 17.267 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.957 | 149 | 3958853 | 18.909 | ng/ul | 99 |
| 80) Fluoranthene | 19.022 | 202 | 3286901 | 24.938 | ng/ul | 100 |
| 82) Pyrene | 19.392 | 202 | 3311678 | 23.183 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.322 | 149 | 1460257 | 25.511 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.110 | 252 | 881941 | 18.952 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.175 | 228 | 2773652 | 18.883 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.145 | 149 | 2349329 | 25.298 | ng/ul | 98 |
| 87) Chrysene | 21.233 | 228 | 2584919 | 18.712 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.227 | 149 | 3527639 | 25.474 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.133 | 252 | 2516960 | 18.830 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.192 | 252 | 2487786 | 18.747 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.886 | 252 | 2343436 | 18.499 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.168 | 276 | 2862979m | 18.211 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 27.239 | 278 | 2315799 | 17.988 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 28.157 | 276 | 2230499 | 18.462 | ng/ul | 97 |

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

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