Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP043024\
Data File : BP020122.D
Acq On : 30 Apr 2024 16:37
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020701

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/03/2024

Quant Time: May 01 00:53:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 24 15:30:15 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.628 | 152 | 147012 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.404 | 136 | 683269 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.316 | 164 | 533319 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.157 | 188 | 1268473 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.668 | 240 | 1295868 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.051 | 264 | 1387196 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.216 | 96 | 22919 | 6.510 | ng/uL | -0.01 |
| 4) Pyridine-d5 | 3.616 | 84 | 178900 | 17.250 | ng/ul | -0.01 |
| 7) Phenol-d5 | 6.810 | 99 | 227453 | 18.245 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.981 | 67 | 151757 | 18.897 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.163 | 132 | 161200 | 18.418 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.334 | 113 | 190143 | 20.034 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.787 | 128 | 90646 | 17.275 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.504 | 143 | 102200 | 17.550 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.034 | 165 | 196075 | 17.892 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.557 | 131 | 258974 | 18.121 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.728 | 166 | 673617 | 17.684 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.004 | 160 | 724305 | 16.683 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.569 | 143 | 110222 | 17.802 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.345 | 176 | 579810 | 17.499 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 200 | 130209 | 16.054 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.263 | 188 | 960604 | 17.056 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.663 | 212 | 1192112 | 17.291 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.809 | 264 | 1157062 | 17.095 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.252 | 88 | 25798 | 6.519 | ng/uL | 96 |
| 5) Pyridine | 3.634 | 79 | 182887 | 17.196 | ng/ul | 99 |
| 6) Benzaldehyde | 6.793 | 77 | 163472 | 22.897 | ng/ul | 99 |
| 8) Phenol | 6.840 | 94 | 240972 | 18.605 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.069 | 93 | 199039 | 19.489 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.199 | 128 | 169349 | 18.437 | ng/ul | 100 |
| 13) 2-Methylphenol | 8.069 | 108 | 181329 | 19.371 | ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.146 | 45 | 277773 | 19.740 | ng/ul | 99 |
| 16) Acetophenone | 8.451 | 105 | 324902 | 20.615 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.434 | 70 | 193675 | 22.455 | ng/ul# | 97 |
| 18) 4-Methylphenol | 8.399 | 108 | 199340 | 20.119 | ng/ul | 96 |
| 19) Hexachloroethane | 8.675 | 117 | 78860 | 17.767 | ng/ul | 96 |
| 22) Nitrobenzene | 8.834 | 77 | 276149 | 17.582 | ng/ul | 97 |
| 23) Isophorone | 9.351 | 82 | 548874 | 19.635 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.534 | 139 | 107216 | 17.433 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.593 | 107 | 234143 | 18.124 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.834 | 93 | 298779 | 18.748 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.063 | 162 | 189930 | 17.605 | ng/ul | 99 |
| 30) Naphthalene | 10.451 | 128 | 604314 | 17.108 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.587 | 127 | 260302 | 18.419 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 10.722 | 225 | 147231 | 16.342 | ng/ul | 99 |
| 34) Caprolactam | 11.393 | 113 | 75132m | 20.663 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.722 | 107 | 242501 | 19.414 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.087 | 142 | 441612 | 18.668 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.310 | 142 | 444565 | 18.702 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.451 | 216 | 281320 | 15.568 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.416 | 237 | 142326 | 14.904 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.716 | 196 | 182317 | 16.645 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.798 | 196 | 196683 | 16.717 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.122 | 154 | 613295 | 16.366 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.163 | 162 | 495272 | 16.325 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.392 | 65 | 184132 | 17.379 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.775 | 163 | 688726 | 17.716 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.916 | 165 | 141435 | 17.891 | ng/ul | 96 |
| 50) Acenaphthylene | 14.034 | 152 | 818967 | 16.871 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.251 | 138 | 136782 | 18.451 | ng/ul | 96 |
| 52) Acenaphthene | 14.381 | 153 | 535104 | 16.817 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.475 | 184 | 83723 | 16.683 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.581 | 109 | 118712 | 18.122 | ng/ul | 99 |
| 56) Dibenzofuran | 14.733 | 168 | 766528 | 17.013 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.722 | 165 | 209373 | 18.074 | ng/ul | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.969 | 232 | 188151 | 17.371 | ng/ul | 98 |
| 59) Diethylphthalate | 15.186 | 149 | 720177 | 18.371 | ng/ul | 100 |
| 61) Fluorene | 15.398 | 166 | 647691 | 17.311 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204 | 353478 | 17.291 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.451 | 138 | 130738 | 19.705 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 139583 | 16.279 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.628 | 169 | 569220 | 17.254 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.322 | 248 | 231286 | 16.908 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.422 | 284 | 260702 | 18.823 | ng/ul | 97 |
| 70) Atrazine | 16.628 | 200 | 236333 | 17.739 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.798 | 266 | 162694 | 16.448 | ng/ul | 97 |
| 72) Phenanthrene | 17.204 | 178 | 1078944 | 16.635 | ng/ul | 99 |
| 74) Anthracene | 17.298 | 178 | 1118039 | 16.709 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.075 | 216 | 284683 | 15.272 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.639 | 250 | 287925 | 15.807 | ng/uL | 99 |
| 77) Carbazole | 17.592 | 167 | 1001506 | 16.868 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.192 | 149 | 1317867 | 18.121 | ng/ul | 99 |
| 80) Fluoranthene | 19.316 | 202 | 1411968 | 17.674 | ng/ul | 99 |
| 82) Pyrene | 19.698 | 202 | 1463587 | 17.457 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.668 | 149 | 610481 | 18.051 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.568 | 252 | 522538 | 17.240 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.645 | 228 | 1532512 | 17.037 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 932849 | 18.856 | ng/ul | 98 |
| 87) Chrysene | 21.715 | 228 | 1421381 | 17.026 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.892 | 149 | 1592799 | 19.201 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.974 | 252 | 1442548 | 17.545 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 24.045 | 252 | 1494420 | 17.973 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.886 | 252 | 1361734 | 17.269 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.886 | 276 | 1491991m | 15.695 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.980 | 278 | 1232002m | 15.700 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 30.068 | 276 | 1156954 | 15.135 | ng/ul | 98 |

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

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