Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051523\
Data File : BP015098.D
Acq On : 16 May 2023 05:11
Operator : CG/JU
Sample : SP6191
Misc : SFAM SPIKE
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SP6191

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

Quant Time: May 16 06:01:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 16 01:39:21 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.134 | 152 | 378593 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.963 | 136 | 1704431 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.775 | 164 | 1051693 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.528 | 188 | 2297308 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.610 | 240 | 1881622 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.174 | 264 | 1949908 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.000 | 96 | 0d | 0.000 | ng/uL | |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 0.000 | 132 | 0d | 0.000 | ng/ul | |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 0.000 | 128 | 0d | 0.000 | ng/ul | |
| 24) 2-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 28) 2,4-Dichlorophenol-d3 | 0.000 | 165 | 0d | 0.000 | ng/ul | |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 0.000 | 166 | 0d | 0.000 | ng/ul | |
| 49) Acenaphthylene-d8 | 0.000 | 160 | 0d | 0.000 | ng/ul | |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 0.000 | 176 | 0d | 0.000 | ng/ul | |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 0.000 | 188 | 0d | 0.000 | ng/ul | |
| 81) Pyrene-d10 | 0.000 | 212 | 0d | 0.000 | ng/ul | |
| 92) Benzo(a)pyrene-d12 | 0.000 | 264 | 0d | 0.000 | ng/ul | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.470 | 88 | 290131 | 27.710 | ng/uL | 99 |
| 5) Pyridine | 3.893 | 79 | 2026814 | 70.557 | ng/ul | 95 |
| 6) Benzaldehyde | 7.263 | 77 | 1778604 | 184.088 | ng/ul | 96 |
| 8) Phenol | 7.316 | 94 | 2854592 | 79.195 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.552 | 93 | 2134550 | 74.018 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.693 | 128 | 2127337 | 77.818 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.581 | 108 | 2141759 | 76.880 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.675 | 45 | 2687117 | 74.372 | ng/ul | 99 |
| 16) Acetophenone | 8.975 | 105 | 3112472 | 71.197 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.957 | 70 | 1589065 | 69.309 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.922 | 108 | 2337852 | 76.244 | ng/ul | 99 |
| 19) Hexachloroethane | 9.228 | 117 | 828790 | 74.249 | ng/ul | 95 |
| 22) Nitrobenzene | 9.357 | 77 | 2428093 | 73.404 | ng/ul | 98 |
| 23) Isophorone | 9.893 | 82 | 4839246 | 71.174 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.075 | 139 | 1230216 | 75.280 | ng/ul | 100 |
| 26) 2,4-Dimethylphenol | 10.128 | 107 | 2458694 | 75.395 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.369 | 93 | 2978168 | 71.990 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.610 | 162 | 2078249 | 76.510 | ng/ul | 100 |
| 30) Naphthalene | 11.022 | 128 | 6488081 | 70.017 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.128 | 127 | 2727639 | 66.701 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.299 | 225 | 1192732 | 72.856 | ng/ul | 99 |
| 34) Caprolactam | 11.946 | 113 | 752035m | 73.435 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.251 | 107 | 2299488 | 74.973 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.616 | 142 | 4359885 | 69.830 | ng/ul | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.834 | 142 | 4348219 | 69.350 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.981 | 216 | 2350027 | 74.713 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.957 | 237 | 1543097 | 75.719 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.216 | 196 | 1671236 | 75.245 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.293 | 196 | 1839640 | 76.391 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.616 | 154 | 5675797 | 69.558 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.663 | 162 | 4523552 | 70.987 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.869 | 65 | 1457020 | 79.911 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.234 | 163 | 5852633 | 70.713 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.357 | 165 | 1322384 | 80.647 | ng/ul | 95 |
| 50) Acenaphthylene | 14.504 | 152 | 7184626 | 70.843 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.692 | 138 | 1415351 | 95.859 | ng/ul | 96 |
| 52) Acenaphthene | 14.845 | 153 | 4814740 | 69.511 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.892 | 184 | 858633 | 78.867 | ng/ul | 99 |
| 55) 4-Nitrophenol | 14.992 | 109 | 883135 | 77.808 | ng/ul | 96 |
| 56) Dibenzofuran | 15.175 | 168 | 6672619 | 69.259 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.145 | 165 | 1839225 | 77.516 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.398 | 232 | 1568345 | 77.166 | ng/ul | 95 |
| 59) Diethylphthalate | 15.587 | 149 | 5744394 | 69.588 | ng/ul | 99 |
| 61) Fluorene | 15.828 | 166 | 5037503 | 65.064 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.810 | 204 | 2569351 | 67.919 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.857 | 138 | 1478522 | 115.960 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.910 | 198 | 1095443 | 73.313 | ng/ul# | 91 |
| 67) N-Nitrosodiphenylamine | 16.028 | 169 | 4631044 | 68.557 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.710 | 248 | 1772429 | 74.904 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.834 | 284 | 2070082 | 74.029 | ng/ul | 97 |
| 70) Atrazine | 16.986 | 200 | 1814669 | 72.681 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.175 | 266 | 1371542 | 78.412 | ng/ul | 99 |
| 72) Phenanthrene | 17.575 | 178 | 8421185 | 67.317 | ng/ul | 99 |
| 74) Anthracene | 17.669 | 178 | 8608505 | 68.051 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.581 | 216 | 2413226 | 74.088 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.098 | 250 | 2331959 | 71.302 | ng/uL | 99 |
| 77) Carbazole | 17.933 | 167 | 7921390 | 71.412 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.463 | 149 | 9506456 | 66.550 | ng/ul | 99 |
| 80) Fluoranthene | 19.528 | 202 | 9720035 | 73.076 | ng/ul | 98 |
| 82) Pyrene | 19.880 | 202 | 9887380 | 71.982 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.727 | 149 | 4342920 | 71.319 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.516 | 252 | 3836997 | 92.849 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.592 | 228 | 9320234 | 71.637 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.486 | 149 | 6120106 | 69.810 | ng/ul# | 99 |
| 87) Chrysene | 21.651 | 228 | 8743131 | 70.299 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.469 | 149 | 10525051 | 78.813 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.392 | 252 | 9533095 | 77.120 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.445 | 252 | 9173684 | 77.287 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.068 | 252 | 8100193 | 74.136 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.915 | 276 | 9127882 | 64.520 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.939 | 278 | 7523230 | 64.781 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.756 | 276 | 7269282 | 63.012 | ng/ul | 99 |

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

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