Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031723\
Data File : BF132828.D
Acq On : 17 Mar 2023 17:52
Operator : CG\JU
Sample : 01908-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 18 01:03:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 03:35:59 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
HILLBOR-DRUMS-0314

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.957 | 152 | 226351 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 852298 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 452056 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.498 | 188 | 855565 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.157 | 240 | 516188 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.674 | 264 | 480878 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.622 | 112 | 1549450 | 115.508 | ng | | 0.04 |
| 7) Phenol-d6 | 6.604 | 99 | 1861737 | 106.927 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 1410045 | 84.664 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.804 | 330 | 600394 | 124.938 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 2174226 | 79.007 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.086 | 244 | 2572568 | 89.992 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.075 | 88 | 290130m | 38.375 | ng | | |
| 3) Pyridine | 3.775 | 79 | 672673 | 36.155 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.710 | 42 | 308270 | 44.630 | ng | | 98 |
| 6) Aniline | 6.634 | 93 | 410849 | 20.543 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.757 | 128 | 705860 | 49.312 | ng | | 98 |
| 9) Benzaldehyde | 6.516 | 77 | 249896 | 34.877 | ng | | 97 |
| 10) Phenol | 6.616 | 94 | 818750 | 41.394 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 863850 | 47.224 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.904 | 146 | 728925 | 46.986 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.981 | 146 | 728772 | 47.066 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.128 | 146 | 697815 | 49.391 | ng | | 99 |
| 15) Benzyl Alcohol | 7.110 | 79 | 645314 | 64.081 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234 | 45 | 811439 | 45.590 | ng | | 77 |
| 17) 2-Methylphenol | 7.222 | 107 | 577547 | 44.399 | ng | # | 91 |
| 18) Hexachloroethane | 7.469 | 117 | 286849 | 48.410 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.381 | 70 | 460209 | 46.325 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.375 | 107 | 675114 | 43.103 | ng | # | 82 |
| 22) Acetophenone | 7.369 | 105 | 917895 | 45.106 | ng | # | 96 |
| 24) Nitrobenzene | 7.551 | 77 | 818014 | 45.431 | ng | | 99 |
| 25) Isophorone | 7.787 | 82 | 1480329 | 45.214 | ng | | 99 |
| 26) 2-Nitrophenol | 7.863 | 139 | 402593 | 48.002 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.898 | 122 | 596702 | 45.921 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.987 | 93 | 916767 | 46.619 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.110 | 162 | 656603 | 48.808 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.187 | 180 | 673098 | 46.778 | ng | | 99 |
| 31) Naphthalene | 8.269 | 128 | 1928295 | 45.099 | ng | | 99 |
| 32) Benzoic acid | 8.051 | 122 | 409522 | 50.351 | ng | | 97 |
| 33) 4-Chloroaniline | 8.345 | 127 | 171342m | 9.192 | ng | | |
| 34) Hexachlorobutadiene | 8.375 | 225 | 424103 | 46.455 | ng | | 98 |
| 35) Caprolactam | 8.704 | 113 | 184948m | 44.842 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.816 | 107 | 643212 | 47.011 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.957 | 142 | 1266112 | 44.156 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.057 | 142 | 1181233 | 43.754 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 674881 | 45.509 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.110 | 237 | 722955 | 99.829 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.245 | 196 | 453693 | 46.986 | ng | | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.292 | 196 | 496674 | 44.180 | ng | | 98 |
| 46) | 1,1'-Biphenyl | 9.422 | 154 | 1495434 | 44.591 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.451 | 162 | 1236802 | 46.575 | ng | | 100 |
| 48) | 2-Nitroaniline | 9.557 | 65 | 405656 | 46.515 | ng | | 95 |
| 49) | Acenaphthylene | 9.869 | 152 | 1790239 | 43.870 | ng | | 99 |
| 50) | Dimethylphthalate | 9.728 | 163 | 1529082 | 47.178 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.792 | 165 | 338156 | 47.185 | ng | | 90 |
| 52) | Acenaphthene | 10.039 | 154 | 1084243 | 44.139 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.963 | 138 | 211757 | 26.433 | ng | | 94 |
| 54) | 2,4-Dinitrophenol | 10.081 | 184 | 372625 | 90.482 | ng | | 97 |
| 55) | Dibenzofuran | 10.216 | 168 | 1611098 | 42.667 | ng | | 100 |
| 56) | 4-Nitrophenol | 10.139 | 139 | 439924 | 92.106 | ng | | 93 |
| 57) | 2,4-Dinitrotoluene | 10.204 | 165 | 418087 | 45.670 | ng | | 97 |
| 58) | Fluorene | 10.557 | 166 | 1310067 | 43.630 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.334 | 232 | 409981 | 50.320 | ng | | 99 |
| 60) | Diethylphthalate | 10.428 | 149 | 1386590 | 45.144 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.545 | 204 | 676115 | 42.896 | ng | | 97 |
| 62) | 4-Nitroaniline | 10.592 | 138 | 345042 | 49.256 | ng | | 97 |
| 63) | Azobenzene | 10.704 | 77 | 1391131 | 44.301 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.616 | 198 | 248887 | 47.464 | ng | | 99 |
| 66) | n-Nitrosodiphenylamine | 10.669 | 169 | 1154759 | 43.673 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 11.033 | 248 | 444758 | 44.964 | ng | | 98 |
| 68) | Hexachlorobenzene | 11.110 | 284 | 496368 | 47.386 | ng | | 95 |
| 69) | Atrazine | 11.192 | 200 | 398920 | 52.389 | ng | | 98 |
| 70) | Pentachlorophenol | 11.310 | 266 | 475184 | 106.917 | ng | | 99 |
| 71) | Phenanthrene | 11.528 | 178 | 1877670 | 43.601 | ng | | 99 |
| 72) | Anthracene | 11.581 | 178 | 1890824 | 42.861 | ng | | 100 |
| 73) | Carbazole | 11.733 | 167 | 1751385 | 44.217 | ng | | 99 |
| 74) | Di-n-butylphthalate | 12.045 | 149 | 2019978 | 42.807 | ng | | 100 |
| 75) | Fluoranthene | 12.722 | 202 | 1971746 | 42.072 | ng | | 97 |
| 77) | Benzidine | 12.839 | 184 | 367669 | 114.372 | ng | | 97 |
| 78) | Pyrene | 12.951 | 202 | 2051505 | 47.820 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.557 | 149 | 862537 | 49.145 | ng | | 92 |
| 81) | Benzo(a)anthracene | 14.145 | 228 | 1736177 | 46.468 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.098 | 252 | 323961 | 33.403 | ng | | 97 |
| 83) | Chrysene | 14.180 | 228 | 1620282 | 45.891 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 1128982 | 51.156 | ng | # | 98 |
| 85) | Di-n-octyl phthalate | 14.727 | 149 | 1856946 | 53.710 | ng | | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.257 | 276 | 1563870 | 51.880 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.227 | 252 | 1484546 | 47.327 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.257 | 252 | 1445523 | 47.157 | ng | | 100 |
| 90) | Benzo(a)pyrene | 15.616 | 252 | 1307189 | 44.702 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.268 | 278 | 1266166 | 51.471 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.739 | 276 | 1265858 | 49.248 | ng | | 97 |

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

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