Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050621\
Data File : BF123850.D
Acq On : 6 May 2021 12:45
Operator : JU/CG
Sample : M2256-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 13:07:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 05 13:09:28 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
R1-A-D-COMPMSD

**Manual Integrations APPROVED**
mohammad
5/7/2021 10:35:05 AM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.793 | 152 | 198139 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 800489 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 431871 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.328 | 188 | 927435 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 797328 | 20.00 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.427 | 264 | 677398 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 1548314 | 123.80 | ng | | 0.01 |
| 7) Phenol-d6 | 6.446 | 99 | 1906595 | 110.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.363 | 82 | 1515245 | 85.45 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.633 | 330 | 720267 | 133.97 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 2389245 | 80.57 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.916 | 244 | 3285065 | 79.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.587 | 88 | 251275 | 37.30 | ng | # | 78 |
| 3) Pyridine | 3.299 | 79 | 533259 | 32.38 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.222 | 42 | 399507 | 44.05 | ng | | 94 |
| 6) Aniline | 6.457 | 93 | 333404 | 16.73 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.587 | 128 | 647533 | 48.13 | ng | | 97 |
| 9) Benzaldehyde | 6.340 | 77 | 334351 | 40.10 | ng | | 98 |
| 10) Phenol | 6.463 | 94 | 784199 | 42.37 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 681837 | 50.46 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 604429 | 44.47 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 605638 | 44.04 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 586313 | 43.90 | ng | | 99 |
| 15) Benzyl Alcohol | 6.945 | 79 | 651972 | 48.28 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 1316199 | 45.80 | ng | | 84 |
| 17) 2-Methylphenol | 7.063 | 107 | 557939 | 48.67 | ng | | 93 |
| 18) Hexachloroethane | 7.304 | 117 | 243381 | 44.71 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 515396 | 48.45 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 689912 | 47.29 | ng | # | 77 |
| 22) Acetophenone | 7.204 | 105 | 1005799 | 46.22 | ng | # | 95 |
| 24) Nitrobenzene | 7.381 | 77 | 778869 | 42.17 | ng | | 99 |
| 25) Isophorone | 7.622 | 82 | 1388131 | 41.75 | ng | | 98 |
| 26) 2-Nitrophenol | 7.698 | 139 | 352160 | 46.72 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.740 | 122 | 590084 | 49.83 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 833371 | 49.19 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 523446 | 44.86 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 541259 | 44.26 | ng | | 96 |
| 31) Naphthalene | 8.104 | 128 | 1809745 | 43.90 | ng | | 100 |
| 32) Benzoic acid | 7.887 | 122 | 402621 | 49.35 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 121524 | 7.06 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 310289 | 41.63 | ng | | 99 |
| 35) Caprolactam | 8.528 | 113 | 174741m | 42.65 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 680503 | 46.74 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 1252934 | 46.64 | ng | | 94 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 1137331 | 45.05 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 532307 | 41.88 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.951 | 237 | 442645 | 80.47 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.081 | 196 | 382077 | 43.65 | ng | | 99 |

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Quant Time: May 06 13:07:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 424896 | 45.24 | ng | 97 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1502807 | 42.47 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.287 | 162 | 1119346 | 41.96 | ng | 98 |
| 48) 2-Nitroaniline | 9.386 | 65 | 538980 | 45.86 | ng | 96 |
| 49) Acenaphthylene | 9.704 | 152 | 1896997 | 44.05 | ng | 100 |
| 50) Dimethylphthalate | 9.569 | 163 | 1490826 | 49.01 | ng | 98 |
| 51) 2,6-Dinitrotoluene | 9.628 | 165 | 330954 | 47.06 | ng | 88 |
| 52) Acenaphthene | 9.875 | 154 | 1120667 | 42.71 | ng | 99 |
| 53) 3-Nitroaniline | 9.792 | 138 | 233565 | 27.81 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 409746 | 109.71 | ng | 91 |
| 55) Dibenzofuran | 10.045 | 168 | 1700562 | 42.86 | ng | 100 |
| 56) 4-Nitrophenol | 9.975 | 139 | 542761 | 88.72 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.034 | 165 | 443324 | 46.24 | ng | 88 |
| 58) Fluorene | 10.392 | 166 | 1390094 | 45.59 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 365598 | 49.16 | ng | 96 |
| 60) Diethylphthalate | 10.269 | 149 | 1565226 | 48.34 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204 | 636855 | 44.81 | ng | 96 |
| 62) 4-Nitroaniline | 10.416 | 138 | 401190 | 48.20 | ng | 98 |
| 63) Azobenzene | 10.539 | 77 | 1658260 | 44.55 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 254708 | 44.32 | ng | 90 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 1261622 | 41.59 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 426226 | 43.64 | ng | 97 |
| 68) Hexachlorobenzene | 10.939 | 284 | 493853 | 44.42 | ng | 97 |
| 69) Atrazine | 11.033 | 200 | 445066 | 48.53 | ng | 98 |
| 70) Pentachlorophenol | 11.139 | 266 | 545082 | 96.21 | ng | 98 |
| 71) Phenanthrene | 11.351 | 178 | 2115709 | 43.49 | ng | 99 |
| 72) Anthracene | 11.404 | 178 | 2172541 | 44.92 | ng | 100 |
| 73) Carbazole | 11.563 | 167 | 2166992 | 44.33 | ng | 99 |
| 74) Di-n-butylphthalate | 11.892 | 149 | 2625872 | 47.85 | ng | 100 |
| 75) Fluoranthene | 12.545 | 202 | 2488343 | 46.90 | ng | 99 |
| 77) Benzidine | 12.663 | 184 | 797428 | 38.62 | ng | 98 |
| 78) Pyrene | 12.775 | 202 | 2570148 | 41.53 | ng | 99 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 1252238 | 47.36 | ng | 100 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 2090478 | 43.27 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 351669 | 23.70 | ng | 100 |
| 83) Chrysene | 14.004 | 228 | 2099999 | 43.20 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149 | 1606323 | 48.90 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.569 | 149 | 2775897 | 52.85 | ng | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.886 | 276 | 2025629 | 51.34 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 2108262 | 46.18 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 1720980 | 39.50 | ng | 99 |
| 90) Benzo(a)pyrene | 15.374 | 252 | 1781537 | 45.64 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.898 | 278 | 1662348 | 49.91 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.327 | 276 | 1741927 | 52.22 | ng | 98 |

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

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