Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
Data File : BF122180.D
Acq On : 30 Oct 2020 14:33
Operator : JU/CG
Sample : PB132732BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB132732BS

**Manual Integrations APPROVED**
mohammad
11/2/2020 12:35:56 PM

Quant Time: Oct 30 15:10:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 30 10:16:54 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.710 | 152 | 115392 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.992 | 136 | 474071 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.751 | 164 | 242518 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.239 | 188 | 449974 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.886 | 240 | 314698 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.315 | 264 | 263616 | 20.00 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.346 | 112 | 944063 | 120.75 | ng | | 0.01 |
| 7) Phenol-d6 | 6.375 | 99 | 1130091 | 112.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.287 | 82 | 776752 | 84.03 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.545 | 330 | 370222 | 123.41 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.075 | 172 | 1292099 | 78.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.822 | 244 | 1362838 | 82.53 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.481 | 88 | 119632 | 34.79 | ng | | 98 |
| 3) Pyridine | 3.216 | 79 | 326559 | 36.12 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 200552 | 45.89 | ng | | 93 |
| 6) Aniline | 6.381 | 93 | 403931 | 32.59 | ng | # | 22 |
| 8) 2-Chlorophenol | 6.504 | 128 | 368744 | 46.66 | ng | | 97 |
| 9) Benzaldehyde | 6.269 | 77 | 119403 | 17.66 | ng | | 98 |
| 10) Phenol | 6.387 | 94 | 445121 | 42.86 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.451 | 93 | 364404 | 45.38 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.651 | 146 | 383073 | 43.10 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.728 | 146 | 392029 | 43.93 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.881 | 146 | 359137 | 44.02 | ng | | 97 |
| 15) Benzyl Alcohol | 6.869 | 79 | 326171 | 50.11 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 6.987 | 45 | 524207 | 42.42 | ng | # | 11 |
| 17) 2-Methylphenol | 6.987 | 107 | 296751 | 43.92 | ng | # | 86 |
| 18) Hexachloroethane | 7.210 | 117 | 144653 | 44.87 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.140 | 70 | 271090 | 47.31 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.145 | 107 | 390772 | 47.96 | ng | # | 68 |
| 22) Acetophenone | 7.134 | 105 | 508299 | 41.67 | ng | # | 89 |
| 24) Nitrobenzene | 7.304 | 77 | 409801 | 41.47 | ng | | 100 |
| 25) Isophorone | 7.545 | 82 | 733950 | 41.99 | ng | | 99 |
| 26) 2-Nitrophenol | 7.622 | 139 | 194275 | 42.70 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.663 | 122 | 320498 | 41.32 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.751 | 93 | 455621 | 41.66 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.869 | 162 | 310532 | 42.75 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.939 | 180 | 316186 | 40.94 | ng | | 99 |
| 31) Naphthalene | 8.016 | 128 | 1032678 | 40.66 | ng | | 99 |
| 32) Benzoic acid | 7.851 | 122 | 165189 | 38.98 | ng | | 94 |
| 33) 4-Chloroaniline | 8.081 | 127 | 290301 | 26.84 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.128 | 225 | 195854 | 42.77 | ng | | 99 |
| 35) Caprolactam | 8.469 | 113 | 94639m | 41.03 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.581 | 107 | 340085 | 43.59 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.710 | 142 | 680623 | 41.38 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.804 | 142 | 624460 | 41.00 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.875 | 216 | 326454 | 41.71 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.857 | 237 | 134115 | 62.32 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.998 | 196 | 198734 | 41.15 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.051 | 196 | 198570 | 38.07 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.175 | 154 | 825712 | 41.87 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.198 | 162 | 636415 | 41.50 | ng | | 99 |
| 48) 2-Nitroaniline | 9.310 | 65 | 222057 | 43.90 | ng | | 95 |
| 49) Acenaphthylene | 9.610 | 152 | 941920 | 39.99 | ng | | 99 |
| 50) Dimethylphthalate | 9.481 | 163 | 746567 | 42.10 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.551 | 165 | 165963 | 42.66 | ng | | 93 |
| 52) Acenaphthene | 9.781 | 154 | 581677 | 41.52 | ng | | 99 |
| 53) 3-Nitroaniline | 9.728 | 138 | 122563 | 27.70 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.851 | 184 | 136173 | 69.84 | ng | | 91 |
| 55) Dibenzofuran | 9.957 | 168 | 848375 | 41.41 | ng | | 97 |
| 56) 4-Nitrophenol | 9.916 | 139 | 116332 | 48.34 | ng | # | 78 |
| 57) 2,4-Dinitrotoluene | 9.963 | 165 | 212633 | 44.40 | ng | # | 87 |
| 58) Fluorene | 10.298 | 166 | 687065 | 41.62 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.086 | 232 | 170462 | 42.24 | ng | | 99 |
| 60) Diethylphthalate | 10.181 | 149 | 743806 | 43.50 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.286 | 204 | 342155 | 43.22 | ng | | 95 |
| 62) 4-Nitroaniline | 10.351 | 138 | 160213 | 36.25 | ng | | 93 |
| 63) Azobenzene | 10.451 | 77 | 773258 | 42.76 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.381 | 198 | 118074 | 39.98 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.416 | 169 | 638842 | 41.21 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.775 | 248 | 222835 | 42.86 | ng | | 96 |
| 68) Hexachlorobenzene | 10.851 | 284 | 254255 | 43.21 | ng | | 95 |
| 69) Atrazine | 10.945 | 200 | 174286 | 45.99 | ng | | 98 |
| 70) Pentachlorophenol | 11.057 | 266 | 154908 | 68.25 | ng | | 98 |
| 71) Phenanthrene | 11.263 | 178 | 1000038 | 40.53 | ng | | 99 |
| 72) Anthracene | 11.316 | 178 | 1038403 | 40.58 | ng | | 100 |
| 73) Carbazole | 11.475 | 167 | 922031 | 40.52 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.792 | 149 | 1124665 | 42.96 | ng | | 99 |
| 75) Fluoranthene | 12.451 | 202 | 1061449 | 40.12 | ng | | 98 |
| 77) Benzidine | 12.580 | 184 | 458702 | 47.28 | ng | | 99 |
| 78) Pyrene | 12.680 | 202 | 1074999 | 44.83 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.292 | 149 | 452048 | 47.53 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.874 | 228 | 880519 | 42.70 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.833 | 252 | 201661 | 26.36 | ng | | 98 |
| 83) Chrysene | 13.910 | 228 | 848846 | 41.93 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.845 | 149 | 636002 | 49.26 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.457 | 149 | 984911 | 47.16 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.739 | 276 | 740278 | 43.25 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.910 | 252 | 751164 | 42.15 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.939 | 252 | 733304 | 43.32 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.263 | 252 | 647009 | 42.04 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.733 | 278 | 614847 | 43.63 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.151 | 276 | 622419 | 44.13 | ng | | 97 |

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

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