Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118590.D
Acq On : 20 Jan 2020 14:38
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF012020

Quant Time: Jan 20 15:38:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 442109 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 1613664 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 925583 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 1695035 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.04 | 240 | 1396587 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.52 | 264 | 1245301 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1992190 | 83.69 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 2596632 | 83.93 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 2456278 | 85.14 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 918805 | 85.83 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 4282630 | 76.05 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 5073501 | 79.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 479254 | 41.567 | ng | | 98 |
| 3) Pyridine | 3.42 | 79 | 1332835 | 41.014 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 575842 | 41.332 | ng | | 95 |
| 6) Aniline | 6.55 | 93 | 1677072 | 41.165 | ng | | 99 |
| 8) 2-Chlorophenol | 6.67 | 128 | 1113159 | 41.662 | ng | | 99 |
| 9) Benzaldehyde | 6.43 | 77 | 798554 | 42.440 | ng | | 99 |
| 10) Phenol | 6.52 | 94 | 1494488 | 42.385 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 1094985 | 41.857 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 1306450 | 41.775 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 1327580 | 42.289 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 1266159 | 42.905 | ng | | 99 |
| 15) Benzyl Alcohol | 7.02 | 79 | 1037930 | 42.303 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 1512184 | 41.500 | ng | | 99 |
| 17) 2-Methylphenol | 7.13 | 107 | 923363 | 41.488 | ng | | 99 |
| 18) Hexachloroethane | 7.40 | 117 | 479379 | 42.113 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 872486 | 41.763 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 1164612 | 42.860 | ng | # | 83 |
| 22) Acetophenone | 7.29 | 105 | 1625769 | 42.530 | ng | | 98 |
| 24) Nitrobenzene | 7.46 | 77 | 1250730 | 42.341 | ng | | 98 |
| 25) Isophorone | 7.70 | 82 | 2156934 | 40.991 | ng | | 100 |
| 26) 2-Nitrophenol | 7.78 | 139 | 543997 | 43.184 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 872324 | 40.102 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 1404938 | 41.437 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 1001716 | 41.657 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.11 | 180 | 1159582 | 41.590 | ng | | 99 |
| 31) Naphthalene | 8.19 | 128 | 3121688 | 42.825 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 708397 | 43.392 | ng | | 99 |
| 33) 4-Chloroaniline | 8.23 | 127 | 1415666 | 42.018 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.31 | 225 | 708404 | 41.722 | ng | | 98 |
| 35) Caprolactam | 8.60 | 113 | 312820 | 39.752 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 993526 | 41.840 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.88 | 142 | 2192713 | 42.616 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.98 | 142 | 2093570 | 42.828 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 1215229 | 41.961 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.04 | 237 | 592805 | 40.571 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 786814 | 40.942 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 803318 | 40.929 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.35 | 154 | 2693956 | 42.231 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.37 | 162 | 2261989 | 42.070 | ng | | 99 |
| 48) 2-Nitroaniline | 9.46 | 65 | 701598 | 42.449 | ng | | 98 |
| 49) Acenaphthylene | 9.79 | 152 | 3192007 | 42.200 | ng | | 100 |
| 50) Dimethylphthalate | 9.65 | 163 | 2528459 | 41.929 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 576800 | 42.715 | ng | | 97 |
| 52) Acenaphthene | 9.96 | 154 | 2148165 | 42.471 | ng | | 100 |
| 53) 3-Nitroaniline | 9.87 | 138 | 657125 | 42.617 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.97 | 184 | 234095 | 43.424 | ng | # | 78 |
| 55) Dibenzofuran | 10.13 | 168 | 2968707 | 42.354 | ng | | 100 |
| 56) 4-Nitrophenol | 10.02 | 139 | 497310 | 42.724 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 743118 | 43.654 | ng | | 99 |
| 58) Fluorene | 10.47 | 166 | 2359027 | 42.871 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 718298 | 41.608 | ng | | 99 |
| 60) Diethylphthalate | 10.34 | 149 | 2501964 | 42.792 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 1272552 | 42.521 | ng | | 99 |
| 62) 4-Nitroaniline | 10.48 | 138 | 669236 | 42.313 | ng | | 98 |
| 63) Azobenzene | 10.62 | 77 | 2403669 | 42.449 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 324874 | 43.587 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.58 | 169 | 2153567 | 42.129 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.95 | 248 | 873347 | 41.704 | ng | # | 93 |
| 68) Hexachlorobenzene | 11.02 | 284 | 987944 | 41.611 | ng | | 98 |
| 69) Atrazine | 11.10 | 200 | 743255 | 41.950 | ng | | 99 |
| 70) Pentachlorophenol | 11.21 | 266 | 560008 | 42.424 | ng | | 98 |
| 71) Phenanthrene | 11.43 | 178 | 3472928 | 42.469 | ng | | 99 |
| 72) Anthracene | 11.49 | 178 | 3445978 | 42.587 | ng | | 100 |
| 73) Carbazole | 11.63 | 167 | 3155383 | 42.514 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 3547160 | 43.017 | ng | | 98 |
| 75) Fluoranthene | 12.62 | 202 | 3708302 | 42.995 | ng | | 99 |
| 77) Benzidine | 12.73 | 184 | 1490747 | 39.950 | ng | # | 95 |
| 78) Pyrene | 12.85 | 202 | 3756056 | 39.614 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 1599840 | 41.228 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.03 | 228 | 3488676 | 41.526 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 1280779 | 42.784 | ng | | 98 |
| 83) Chrysene | 14.07 | 228 | 3319081 | 41.222 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 2035374 | 42.933 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.64 | 149 | 3230152 | 46.031 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 2774334 | 39.655 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.09 | 252 | 3405252 | 43.503 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.12 | 252 | 2883753 | 39.765 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.46 | 252 | 2805022 | 41.541 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.01 | 278 | 2301289 | 38.529 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.44 | 276 | 2142384 | 36.942 | ng | | 97 |

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

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