Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032620\
Data File : BF119549.D
Acq On : 27 Mar 2020 00:15
Operator : CG/JU
Sample : L2028-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-30-(8-8.5)MSD

**Manual Integrations APPROVED**
mohammad
3/30/2020 8:50:57 AM

Quant Time: Mar 27 05:04:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 26 16:30:13 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 286288 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1136093 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 602853 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 1166985 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 810479 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.48 | 264 | 771364 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1499870 | 83.40 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 1993122 | 86.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1231405 | 58.91 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 612104 | 98.42 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 2401750 | 59.02 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 2811425 | 67.96 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.63 | 88 | 315454 | 35.516 | ng | | 99 |
| 3) Pyridine | 3.36 | 79 | 849500 | 34.716 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 501429 | 42.021 | ng | | 95 |
| 6) Aniline | 6.50 | 93 | 1137419 | 35.873 | ng | | 100 |
| 8) 2-Chlorophenol | 6.62 | 128 | 988484 | 52.333 | ng | | 98 |
| 9) Benzaldehyde | 6.38 | 77 | 608073 | 41.724 | ng | | 98 |
| 10) Phenol | 6.47 | 94 | 1279238 | 52.186 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 947196 | 48.313 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 963123 | 47.113 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 986214 | 48.230 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 926189 | 48.459 | ng | | 98 |
| 15) Benzyl Alcohol | 6.98 | 79 | 835701 | 48.360 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1799597 | 45.507 | ng | | 97 |
| 17) 2-Methylphenol | 7.09 | 107 | 802364 | 46.363 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 373744 | 49.876 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 691505 | 49.939 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 965502 | 45.523 | ng | # | 79 |
| 22) Acetophenone | 7.25 | 105 | 1272692 | 46.882 | ng | | 99 |
| 24) Nitrobenzene | 7.42 | 77 | 1035375 | 46.346 | ng | | 95 |
| 25) Isophorone | 7.66 | 82 | 1963213 | 46.297 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 536076 | 60.945 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 836288 | 45.980 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 1232000 | 49.132 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 832553 | 49.818 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 873906 | 47.284 | ng | | 99 |
| 31) Naphthalene | 8.15 | 128 | 2720596 | 46.534 | ng | | 99 |
| 32) Benzoic acid | 7.91 | 122 | 679345 | 58.065 | ng | | 97 |
| 33) 4-Chloroaniline | 8.19 | 127 | 413085 | 15.420 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 498905 | 48.247 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 300465m | 54.935 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 911049 | 49.878 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 1883602 | 49.091 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.94 | 142 | 1797210 | 49.486 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 809015 | 45.784 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 998428 | 99.389 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 638273 | 50.476 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 648914 | 45.810 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 2247980 | 45.784 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 1791954 | 46.593 | ng | | 99 |
| 48) 2-Nitroaniline | 9.42 | 65 | 662076 | 49.874 | ng | | 98 |
| 49) Acenaphthylene | 9.75 | 152 | 2768765 | 45.843 | ng | | 99 |
| 50) Dimethylphthalate | 9.61 | 163 | 2419152 | 56.495 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.67 | 165 | 483776 | 52.708 | ng | | 94 |
| 52) Acenaphthene | 9.92 | 154 | 1974672 | 52.445 | ng | | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 272937 | 23.554 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 514413 | 125.023 | ng | | 91 |
| 55) Dibenzofuran | 10.09 | 168 | 2514403 | 46.578 | ng | | 98 |
| 56) 4-Nitrophenol | 10.00 | 139 | 867832 | 94.937 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 643914 | 55.691 | ng | # | 89 |
| 58) Fluorene | 10.43 | 166 | 1943478 | 48.684 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 554769 | 52.394 | ng | | 98 |
| 60) Diethylphthalate | 10.32 | 149 | 2209849 | 50.847 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204 | 944785 | 48.397 | ng | | 97 |
| 62) 4-Nitroaniline | 10.46 | 138 | 525179 | 47.264 | ng | | 99 |
| 63) Azobenzene | 10.59 | 77 | 2093785 | 47.841 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 339165 | 69.310 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.55 | 169 | 1812108 | 47.301 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 630728 | 47.457 | ng | | 98 |
| 68) Hexachlorobenzene | 10.98 | 284 | 674669 | 49.599 | ng | | 99 |
| 69) Atrazine | 11.08 | 200 | 570962 | 54.363 | ng | | 96 |
| 70) Pentachlorophenol | 11.17 | 266 | 767907 | 96.279 | ng | | 100 |
| 71) Phenanthrene | 11.40 | 178 | 2759694 | 45.606 | ng | | 98 |
| 72) Anthracene | 11.45 | 178 | 2867409 | 46.625 | ng | | 98 |
| 73) Carbazole | 11.60 | 167 | 2681223 | 44.046 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.94 | 149 | 3392477 | 52.097 | ng | | 99 |
| 75) Fluoranthene | 12.59 | 202 | 3068097 | 46.850 | ng | | 98 |
| 77) Benzidine | 12.71 | 184 | 1782192 | 51.959 | ng | | 97 |
| 78) Pyrene | 12.82 | 202 | 3083641 | 46.360 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 1501267 | 55.804 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 2386935 | 45.289 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 548523 | 26.396 | ng | | 97 |
| 83) Chrysene | 14.04 | 228 | 2535406 | 46.613 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1940085 | 60.495 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.62 | 149 | 3410138 | 60.462 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 2302458 | 44.946 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 2506408 | 48.643 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 2343043 | 47.755 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 2153400 | 45.986 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 1884006 | 45.998 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 1869699 | 45.439 | ng | | 96 |

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

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