Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
Data File : BF119968.D
Acq On : 14 Apr 2020 22:35
Operator : MA/SJ
Sample : L2229-16MS
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-32MS

**Manual Integrations APPROVED**
mohammad
4/16/2020 12:51:29 PM

Quant Time: Apr 15 04:07:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 14 12:44:44 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 200398 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 781446 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.78 | 164 | 408779 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.26 | 188 | 808915 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.91 | 240 | 560910 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.33 | 264 | 468134 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 753493 | 64.98 | ng | | 0.01 |
| 7) Phenol-d6 | 6.37 | 99 | 961964 | 64.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 983900 | 65.14 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.57 | 330 | 379602 | 75.85 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 2080021 | 72.24 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.86 | 244 | 2610946 | 78.32 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 139880 | 27.083 | ng | | 95 |
| 3) Pyridine | 3.19 | 79 | 323827 | 22.852 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.13 | 42 | 212317 | 29.325 | ng | | 94 |
| 6) Aniline | 6.39 | 93 | 374912 | 19.117 | ng | | 92 |
| 8) 2-Chlorophenol | 6.52 | 128 | 321924 | 24.847 | ng | | 96 |
| 9) Benzaldehyde | 6.28 | 77 | 167768 | 15.168 | ng | | 98 |
| 10) Phenol | 6.38 | 94 | 383682 | 22.634 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 454190 | 34.701 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 422681 | 29.799 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 436572 | 30.214 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 411344 | 30.890 | ng | | 98 |
| 15) Benzyl Alcohol | 6.88 | 79 | 385459 | 33.214 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 788445 | 30.957 | ng | | 96 |
| 17) 2-Methylphenol | 7.00 | 107 | 305670 | 26.436 | ng | | 97 |
| 18) Hexachloroethane | 7.25 | 117 | 157950 | 29.250 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 351319 | 36.564 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 363070 | 25.674 | ng | # | 74 |
| 22) Acetophenone | 7.15 | 105 | 659626 | 36.047 | ng | # | 96 |
| 24) Nitrobenzene | 7.32 | 77 | 519443 | 34.185 | ng | | 98 |
| 25) Isophorone | 7.56 | 82 | 1011796 | 34.748 | ng | | 100 |
| 26) 2-Nitrophenol | 7.64 | 139 | 178637 | 23.531 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 364740 | 31.856 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 629955 | 36.765 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 305631 | 26.042 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 425260 | 31.980 | ng | | 99 |
| 31) Naphthalene | 8.05 | 128 | 1379298 | 33.548 | ng | | 100 |
| 32) Benzoic acid | 7.79 | 122 | 187915 | 18.688 | ng | | 97 |
| 33) 4-Chloroaniline | 8.09 | 127 | 332738 | 18.590 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 233293 | 29.307 | ng | | 99 |
| 35) Caprolactam | 8.46 | 113 | 119307m | 33.233 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.58 | 107 | 380303 | 29.931 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 1010232 | 36.243 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 967395 | 36.821 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 447609 | 34.669 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.89 | 237 | 399448 | 54.408 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.02 | 196 | 237939 | 26.688 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.06 | 196 | 268208 | 26.710 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.20 | 154 | 1300524 | 37.693 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.23 | 162 | 992228 | 37.331 | ng | | 98 |
| 48) 2-Nitroaniline | 9.32 | 65 | 393571 | 40.861 | ng | | 96 |
| 49) Acenaphthylene | 9.65 | 152 | 1631803 | 40.369 | ng | | 99 |
| 50) Dimethylphthalate | 9.51 | 163 | 1431877 | 45.286 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.57 | 165 | 294081 | 42.473 | ng | | 93 |
| 52) Acenaphthene | 9.82 | 154 | 1064044m | 39.461 | ng | | |
| 53) 3-Nitroaniline | 9.73 | 138 | 234834 | 29.697 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.85 | 184 | 150092 | 36.207 | ng | | 95 |
| 55) Dibenzofuran | 9.99 | 168 | 1506953 | 40.726 | ng | | 100 |
| 56) 4-Nitrophenol | 9.90 | 139 | 301715 | 51.279 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 9.97 | 165 | 390741 | 42.833 | ng | | 99 |
| 58) Fluorene | 10.33 | 166 | 1183451 | 39.992 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 238137 | 31.007 | ng | | 97 |
| 60) Diethylphthalate | 10.21 | 149 | 1339973 | 40.890 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.32 | 204 | 566344 | 37.340 | ng | | 96 |
| 62) 4-Nitroaniline | 10.36 | 138 | 316074 | 41.941 | ng | | 96 |
| 63) Azobenzene | 10.49 | 77 | 1240717 | 42.247 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 123036 | 23.087 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 10.45 | 169 | 1111144 | 41.303 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.81 | 248 | 365501 | 36.333 | ng | | 95 |
| 68) Hexachlorobenzene | 10.88 | 284 | 392915 | 38.502 | ng | | 94 |
| 69) Atrazine | 10.97 | 200 | 348628 | 46.577 | ng | | 97 |
| 70) Pentachlorophenol | 11.07 | 266 | 287054 | 48.810 | ng | | 98 |
| 71) Phenanthrene | 11.29 | 178 | 1765515 | 41.010 | ng | | 98 |
| 72) Anthracene | 11.34 | 178 | 1833060 | 41.680 | ng | | 100 |
| 73) Carbazole | 11.50 | 167 | 1710197 | 41.120 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.83 | 149 | 2150664 | 39.336 | ng | | 99 |
| 75) Fluoranthene | 12.48 | 202 | 1933772 | 41.630 | ng | | 98 |
| 77) Benzidine | 12.60 | 184 | 202630 | 10.687 | ng | | 98 |
| 78) Pyrene | 12.71 | 202 | 1958598 | 41.420 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.33 | 149 | 909764 | 39.650 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.90 | 228 | 1521734 | 41.239 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.86 | 252 | 398488 | 28.942 | ng | | 98 |
| 83) Chrysene | 13.93 | 228 | 1582228 | 42.200 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 1197363 | 38.535 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.50 | 149 | 2142969 | 40.506 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 1304650 | 39.474 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 14.93 | 252 | 1488429 | 44.198 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.96 | 252 | 1285772 | 44.251 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.27 | 252 | 1219535 | 43.070 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.74 | 278 | 1095432 | 43.675 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.14 | 276 | 1059210 | 42.783 | ng | # | 95 |

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

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