Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
Data File : BM020567.D
Acq On : 25 May 2019 06:56
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
mohammad
5/28/2019 8:41:37 AM

Quant Time: May 27 03:57:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 16:07:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 107372 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 420474 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.32 | 164 | 285107 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.07 | 188 | 675600 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.27 | 240 | 537056 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.51 | 264 | 591004 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 429557 | 78.49 | ng | | 0.00 |
| 7) Phenol-d6 | 6.85 | 99 | 645963 | 78.20 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.84 | 82 | 788659 | 78.73 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.83 | 330 | 411237 | 72.00 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.93 | 172 | 1874475 | 82.50 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.71 | 244 | 2897533 | 97.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 100590 | 35.122 | ng | | 98 |
| 3) Pyridine | 3.58 | 79 | 303188 | 36.056 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.50 | 42 | 73109 | 35.995 | ng | # | 94 |
| 6) Aniline | 7.00 | 93 | 453034 | 37.912 | ng | | 98 |
| 8) 2-Chlorophenol | 7.23 | 128 | 263541 | 39.378 | ng | | 99 |
| 9) Benzaldehyde | 6.82 | 77 | 211112 | 40.030 | ng | | 97 |
| 10) Phenol | 6.87 | 94 | 344612 | 38.632 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.10 | 93 | 253695 | 38.110 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.55 | 146 | 343202 | 40.043 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.70 | 146 | 340460 | 39.741 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.01 | 146 | 340186 | 39.609 | ng | | 98 |
| 15) Benzyl Alcohol | 7.92 | 79 | 279935m | 36.621 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19 | 45 | 180573 | 38.919 | ng | | 95 |
| 17) 2-Methylphenol | 8.11 | 107 | 225681 | 38.322 | ng | | 99 |
| 18) Hexachloroethane | 8.72 | 117 | 100959 | 29.092 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.47 | 70 | 267233 | 36.432 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.45 | 107 | 299535 | 37.927 | ng | | 98 |
| 22) Acetophenone | 8.50 | 105 | 442236 | 38.194 | ng | | 99 |
| 24) Nitrobenzene | 8.88 | 77 | 380046 | 38.414 | ng | | 99 |
| 25) Isophorone | 9.40 | 82 | 700230 | 37.565 | ng | | 100 |
| 26) 2-Nitrophenol | 9.58 | 139 | 116732 | 31.977 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.64 | 122 | 208482 | 38.338 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.88 | 93 | 377133 | 38.866 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.11 | 162 | 291336 | 40.281 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.32 | 180 | 402732 | 40.724 | ng | | 97 |
| 31) Naphthalene | 10.50 | 128 | 865011 | 39.843 | ng | | 99 |
| 32) Benzoic acid | 9.83 | 122 | 122723 | 36.804 | ng | | 91 |
| 33) 4-Chloroaniline | 10.63 | 127 | 333262 | 38.459 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.76 | 225 | 302797 | 41.183 | ng | | 98 |
| 35) Caprolactam | 11.47 | 113 | 79936 | 33.581 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 301456 | 38.301 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.12 | 142 | 644866 | 38.880 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.35 | 142 | 620116 | 38.588 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 508109 | 42.395 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.45 | 237 | 19127 | 11.241 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.75 | 196 | 309171 | 41.684 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.82 | 196 | 298160 | 43.048 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.15 | 154 | 896911 | 40.847 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.19 | 162 | 768316 | 41.276 | ng | | 98 |
| 48) 2-Nitroaniline | 13.42 | 65 | 238570 | 41.706 | ng | | 98 |
| 49) Acenaphthylene | 14.05 | 152 | 1126946 | 39.811 | ng | | 99 |
| 50) Dimethylphthalate | 13.79 | 163 | 955221 | 37.825 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.93 | 165 | 193852 | 36.830 | ng | | 100 |
| 52) Acenaphthene | 14.39 | 154 | 682416 | 40.004 | ng | | 99 |
| 53) 3-Nitroaniline | 14.26 | 138 | 181155 | 39.718 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.49 | 184 | 6631 | 12.594 | ng | # | 76 |
| 55) Dibenzofuran | 14.73 | 168 | 1145816 | 38.816 | ng | | 100 |
| 56) 4-Nitrophenol | 14.59 | 139 | 105224 | 35.817 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.72 | 165 | 261878 | 34.455 | ng | | 95 |
| 58) Fluorene | 15.37 | 166 | 944846 | 38.532 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 300956 | 37.343 | ng | | 98 |
| 60) Diethylphthalate | 15.15 | 149 | 936729 | 37.648 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204 | 611765 | 39.079 | ng | | 99 |
| 62) 4-Nitroaniline | 15.43 | 138 | 164372 | 37.152 | ng | | 99 |
| 63) Azobenzene | 15.66 | 77 | 918253 | 37.927 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198 | 17016 | 9.786 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.59 | 169 | 793399 | 43.311 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.27 | 248 | 392940 | 43.660 | ng | | 99 |
| 68) Hexachlorobenzene | 16.37 | 284 | 460387 | 42.190 | ng | | 98 |
| 69) Atrazine | 16.55 | 200 | 298970 | 39.667 | ng | | 99 |
| 70) Pentachlorophenol | 16.73 | 266 | 212547 | 37.709 | ng | | 99 |
| 71) Phenanthrene | 17.12 | 178 | 1448624 | 39.470 | ng | | 100 |
| 72) Anthracene | 17.21 | 178 | 1389726 | 39.045 | ng | | 99 |
| 73) Carbazole | 17.49 | 167 | 1148934 | 37.614 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.04 | 149 | 1567353 | 41.713 | ng | | 100 |
| 75) Fluoranthene | 19.14 | 202 | 1621240 | 31.765 | ng | | 100 |
| 77) Benzidine | 19.34 | 184 | 650258 | 65.884 | ng | | 99 |
| 78) Pyrene | 19.50 | 202 | 1585804 | 47.033 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.40 | 149 | 564824 | 47.678 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.25 | 228 | 1463657 | 39.377 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.19 | 252 | 594524 | 43.822 | ng | | 98 |
| 83) Chrysene | 21.31 | 228 | 1429303 | 39.795 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 797329 | 46.178 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.04 | 149 | 1259075 | 41.946 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 1712277 | 39.429 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.83 | 252 | 1476827 | 38.179 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.88 | 252 | 1451956 | 38.675 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.42 | 252 | 1383769 | 38.874 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.80 | 278 | 1447430 | 39.724 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.49 | 276 | 1359501 | 40.250 | ng | | 99 |

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

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