Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022444.D
Acq On : 30 Aug 2019 17:02
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
8/31/2019 2:43:52 PM

Quant Time: Aug 30 18:25:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 22180 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.29 | 136 | 100059 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.19 | 164 | 73161 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.95 | 188 | 175917 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.17 | 240 | 248399 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.36 | 264 | 215977 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.15 | 112 | 104332 | 82.57 | ng | | 0.00 |
| 7) Phenol-d6 | 6.72 | 99 | 147637 | 87.37 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.70 | 82 | 190324 | 83.31 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.70 | 330 | 120674 | 80.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.79 | 172 | 508117 | 78.68 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.60 | 244 | 1453976 | 77.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.13 | 88 | 22742 | 39.003 | ng | | 97 |
| 3) Pyridine | 3.53 | 79 | 58900 | 41.995 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.46 | 42 | 40994 | 42.394 | ng | # | 99 |
| 6) Aniline | 6.88 | 93 | 92749 | 43.070 | ng | | 100 |
| 8) 2-Chlorophenol | 7.09 | 128 | 61303 | 42.149 | ng | | 97 |
| 9) Benzaldehyde | 6.70 | 77 | 48760 | 46.317 | ng | | 94 |
| 10) Phenol | 6.75 | 94 | 72438 | 42.673 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.97 | 93 | 53956 | 42.118 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.40 | 146 | 72370 | 41.010 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.56 | 146 | 73442 | 41.074 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.86 | 146 | 74279 | 41.438 | ng | | 98 |
| 15) Benzyl Alcohol | 7.79 | 79 | 72829 | 45.431 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.06 | 45 | 73677 | 44.379 | ng | | 96 |
| 17) 2-Methylphenol | 7.98 | 107 | 55314 | 44.807 | ng | | 89 |
| 18) Hexachloroethane | 8.56 | 117 | 33944 | 40.944 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.34 | 70 | 58332 | 44.480 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.31 | 107 | 75507 | 45.041 | ng | | 99 |
| 22) Acetophenone | 8.36 | 105 | 115558 | 41.823 | ng | # | 98 |
| 24) Nitrobenzene | 8.74 | 77 | 91331 | 41.530 | ng | | 98 |
| 25) Isophorone | 9.26 | 82 | 157689 | 43.961 | ng | | 99 |
| 26) 2-Nitrophenol | 9.43 | 139 | 38511 | 43.717 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.50 | 122 | 54791 | 41.697 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 9.73 | 93 | 86601 | 41.725 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.96 | 162 | 72175 | 41.980 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.16 | 180 | 88923 | 40.617 | ng | | 97 |
| 31) Naphthalene | 10.35 | 128 | 216199 | 41.541 | ng | | 100 |
| 32) Benzoic acid | 9.72 | 122 | 47638 | 46.027 | ng | | 96 |
| 33) 4-Chloroaniline | 10.49 | 127 | 96690 | 43.178 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.59 | 225 | 86084 | 39.865 | ng | | 98 |
| 35) Caprolactam | 11.34 | 113 | 21436m | 49.054 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.62 | 107 | 77787 | 42.927 | ng | | 97 |
| 37) 2-Methylnaphthalene | 11.97 | 142 | 163529 | 41.348 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.19 | 142 | 156848 | 41.089 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.34 | 216 | 137617 | 39.635 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.29 | 237 | 52972 | 43.243 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.60 | 196 | 78467 | 41.868 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 12.69 | 196 | 76782 | 41.317 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.00 | 154 | 240517 | 40.234 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.05 | 162 | 190074 | 40.044 | ng | | 98 |
| 48) 2-Nitroaniline | 13.30 | 65 | 68176 | 44.596 | ng | | 98 |
| 49) Acenaphthylene | 13.90 | 152 | 291024 | 40.624 | ng | | 99 |
| 50) Dimethylphthalate | 13.66 | 163 | 268611 | 42.213 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.80 | 165 | 53082 | 42.466 | ng | | 96 |
| 52) Acenaphthene | 14.25 | 154 | 174694 | 40.660 | ng | | 98 |
| 53) 3-Nitroaniline | 14.14 | 138 | 53355 | 44.455 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.38 | 184 | 28412 | 42.174 | ng | | 95 |
| 55) Dibenzofuran | 14.59 | 168 | 295163 | 40.781 | ng | | 100 |
| 56) 4-Nitrophenol | 14.48 | 139 | 33652 | 44.635 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.61 | 165 | 77464 | 43.105 | ng | # | 94 |
| 58) Fluorene | 15.24 | 166 | 265065 | 40.992 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.83 | 232 | 85111 | 40.639 | ng | | 96 |
| 60) Diethylphthalate | 15.03 | 149 | 282205 | 42.459 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.24 | 204 | 179167 | 40.294 | ng | | 100 |
| 62) 4-Nitroaniline | 15.33 | 138 | 52973 | 47.156 | ng | | 94 |
| 63) Azobenzene | 15.54 | 77 | 279269 | 42.092 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 45090 | 42.954 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.47 | 169 | 210715 | 39.674 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.14 | 248 | 110715 | 40.000 | ng | | 95 |
| 68) Hexachlorobenzene | 16.24 | 284 | 123657 | 39.441 | ng | | 98 |
| 69) Atrazine | 16.44 | 200 | 87934 | 38.887 | ng | | 99 |
| 70) Pentachlorophenol | 16.61 | 266 | 60399 | 43.070 | ng | | 98 |
| 71) Phenanthrene | 17.00 | 178 | 416342 | 40.602 | ng | | 99 |
| 72) Anthracene | 17.09 | 178 | 414688 | 41.103 | ng | | 99 |
| 73) Carbazole | 17.38 | 167 | 353516 | 42.391 | ng | | 99 |
| 74) Di-n-butylphthalate | 17.92 | 149 | 503055 | 44.487 | ng | | 100 |
| 75) Fluoranthene | 19.03 | 202 | 604308 | 44.254 | ng | | 98 |
| 77) Benzidine | 19.24 | 184 | 201541 | 48.184 | ng | | 98 |
| 78) Pyrene | 19.39 | 202 | 624403 | 36.885 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.30 | 149 | 251161 | 42.513 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.16 | 228 | 741861 | 41.609 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.10 | 252 | 247198 | 44.697 | ng | | 97 |
| 83) Chrysene | 21.21 | 228 | 707401 | 41.685 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 370680 | 46.209 | ng | | 98 |
| 85) Di-n-octyl phthalate | 21.94 | 149 | 614504 | 47.698 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 595600 | 34.892 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.70 | 252 | 646697 | 43.101 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.75 | 252 | 643699 | 43.247 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.27 | 252 | 560431 | 42.082 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.54 | 278 | 496028 | 37.352 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.21 | 276 | 412975 | 35.682 | ng | | 98 |

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

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