Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
Data File : BM016441.D
Acq On : 17 Aug 2018 16:28
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM081718

**Manual Integrations APPROVED**
Sohil
8/20/2018 4:17:08 PM

Quant Time: Aug 17 17:04:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 17 16:27:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 18571 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 83164 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.70 | 164 | 53961 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.44 | 188 | 134401 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.59 | 240 | 179624 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.90 | 264 | 147716 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 82725 | 74.86 | ng | | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 112179 | 75.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.25 | 82 | 157224 | 78.73 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.19 | 330 | 62963 | 77.25 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.32 | 172 | 388024 | 74.77 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.03 | 244 | 836008 | 70.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 21582 | 39.000 | ng | # | 100 |
| 3) Pyridine | 3.83 | 79 | 46315 | 41.571 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 3.76 | 42 | 52394 | 40.815 | ng | # | 22 |
| 6) Aniline | 7.39 | 93 | 59459 | 38.686 | ng | # | 81 |
| 8) 2-Chlorophenol | 7.62 | 128 | 50578 | 37.125 | ng | | 95 |
| 9) Benzaldehyde | 7.21 | 77 | 38920 | 39.852 | ng | # | 81 |
| 10) Phenol | 7.26 | 94 | 54187 | 37.662 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.49 | 93 | 41300 | 37.811 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 57813 | 37.026 | ng | # | 82 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 57884 | 36.671 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 59155 | 38.149 | ng | # | 93 |
| 15) Benzyl Alcohol | 8.32 | 79 | 49810 | 36.946 | ng | # | 77 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 52503 | 38.185 | ng | | 88 |
| 17) 2-Methylphenol | 8.52 | 107 | 38366 | 36.903 | ng | # | 75 |
| 18) Hexachloroethane | 9.12 | 117 | 32181 | 39.590 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 8.88 | 70 | 44408 | 39.380 | ng | # | 65 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 55873 | 39.107 | ng | # | 80 |
| 22) Acetophenone | 8.90 | 105 | 83799 | 37.571 | ng | # | 73 |
| 24) Nitrobenzene | 9.29 | 77 | 74512 | 38.709 | ng | | 94 |
| 25) Isophorone | 9.80 | 82 | 103586 | 38.892 | ng | # | 91 |
| 26) 2-Nitrophenol | 10.00 | 139 | 30762 | 37.989 | ng | # | 34 |
| 27) 2,4-Dimethylphenol | 10.05 | 122 | 41721 | 38.541 | ng | # | 69 |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93 | 59000 | 38.295 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.53 | 162 | 56150 | 38.369 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 65818 | 38.033 | ng | | 94 |
| 31) Naphthalene | 10.92 | 128 | 160813 | 38.127 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 36223m | 41.197 | ng | | |
| 33) 4-Chloroaniline | 11.05 | 127 | 69304 | 38.338 | ng | # | 86 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 57792 | 38.742 | ng | | 95 |
| 35) Caprolactam | 11.87 | 113 | 14684 | 39.139 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 12.17 | 107 | 62746 | 37.600 | ng | # | 85 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 122128 | 39.030 | ng | # | 82 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 83206 | 37.666 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 27181 | 38.343 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.15 | 196 | 51708 | 37.451 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.23 | 196 | 53040 | 39.376 | ng | # | 79 |
| 45) 1,1'-Biphenyl | 13.53 | 154 | 186928 | 37.427 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.58 | 162 | 148911 | 38.217 | ng | # | 86 |
| 47) 2-Nitroaniline | 13.81 | 65 | 53601 | 39.669 | ng | # | 73 |
| 48) Acenaphthylene | 14.43 | 152 | 225381 | 38.468 | ng | | 98 |
| 49) Dimethylphthalate | 14.16 | 163 | 206612 | 39.044 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.30 | 165 | 40145 | 39.970 | ng | # | 31 |
| 51) Acenaphthene | 14.77 | 154 | 132674 | 37.524 | ng | | 98 |
| 52) 3-Nitroaniline | 14.64 | 138 | 40251 | 40.675 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 19016 | 40.125 | ng | # | 54 |
| 54) Dibenzofuran | 15.10 | 168 | 241806 | 38.813 | ng | # | 76 |
| 55) 4-Nitrophenol | 14.96 | 139 | 26824 | 41.499 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 65526 | 39.029 | ng | # | 53 |
| 57) Fluorene | 15.75 | 166 | 185107 | 38.890 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 51236 | 40.598 | ng | # | 100 |
| 59) Diethylphthalate | 15.52 | 149 | 235106 | 39.154 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.73 | 204 | 119798 | 39.784 | ng | # | 84 |
| 61) 4-Nitroaniline | 15.81 | 138 | 39477 | 41.260 | ng | # | 1 |
| 62) Azobenzene | 16.03 | 77 | 275258 | 39.750 | ng | # | 68 |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 36888 | 39.358 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 15.96 | 169 | 172386 | 37.904 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.63 | 248 | 67691 | 37.446 | ng | # | 73 |
| 67) Hexachlorobenzene | 16.74 | 284 | 68922 | 38.852 | ng | # | 55 |
| 68) Atrazine | 16.90 | 200 | 66985 | 40.178 | ng | | 95 |
| 69) Pentachlorophenol | 17.10 | 266 | 38694 | 38.095 | ng | | 98 |
| 70) Phenanthrene | 17.49 | 178 | 289831 | 38.062 | ng | | 99 |
| 71) Anthracene | 17.57 | 178 | 285788 | 37.806 | ng | | 97 |
| 72) Carbazole | 17.85 | 167 | 287137 | 39.245 | ng | # | 95 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 415983 | 39.617 | ng | # | 95 |
| 74) Fluoranthene | 19.49 | 202 | 409252 | 44.490 | ng | | 96 |
| 76) Benzidine | 19.67 | 184 | 155660 | 39.374 | ng | | 98 |
| 77) Pyrene | 19.84 | 202 | 427936 | 36.102 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 209413 | 37.695 | ng | # | 73 |
| 80) Benzo(a)anthracene | 21.57 | 228 | 433954 | 37.340 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.50 | 252 | 160986 | 38.911 | ng | | 99 |
| 82) Chrysene | 21.62 | 228 | 407275 | 37.290 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.46 | 149 | 314737 | 39.715 | ng | | 92 |
| 84) Di-n-octyl phthalate | 22.36 | 149 | 499708 | 42.039 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 26.25 | 276 | 355681 | 39.814 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 23.20 | 252 | 359401 | 36.731 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 23.24 | 252 | 377065 | 38.561 | ng | # | 96 |
| 89) Benzo(a)pyrene | 23.80 | 252 | 341154 | 38.518 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 26.24 | 278 | 302442 | 38.079 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 26.97 | 276 | 255155 | 35.744 | ng | # | 88 |

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

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