Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117239.D
Acq On : 25 Sep 2019 14:51
Operator : JU
Sample : K5008-07MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-7MSD

**Manual Integrations APPROVED**
mohammad
9/26/2019 3:53:38 PM

Quant Time: Sep 26 03:19:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 39194 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 161296 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 82643 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 126776 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.99 | 240 | 76110 | 20.00 | ng | | 0.01 |
| 87) Perylene-d12 | 15.47 | 264 | 67110 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 226443 | 90.20 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 319205 | 98.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 196952 | 64.16 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 60372 | 87.41 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 322780 | 61.07 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 267726 | 65.75 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 34578 | 32.916 | ng | # | 93 |
| 3) Pyridine | 3.40 | 79 | 80572 | 28.022 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 41194 | 41.748 | ng | | 85 |
| 6) Aniline | 6.48 | 93 | 101050 | 24.191 | ng | # | 57 |
| 8) 2-Chlorophenol | 6.61 | 128 | 110150 | 40.672 | ng | | 95 |
| 9) Benzaldehyde | 6.36 | 77 | 75998 | 49.006 | ng | | 94 |
| 10) Phenol | 6.47 | 94 | 149450 | 41.785 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 102939 | 39.160 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 114710 | 37.746 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 116487 | 37.560 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 108671 | 37.635 | ng | | 98 |
| 15) Benzyl Alcohol | 6.96 | 79 | 104213 | 41.887 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 96323 | 37.089 | ng | # | 40 |
| 17) 2-Methylphenol | 7.08 | 107 | 93506 | 41.196 | ng | # | 91 |
| 18) Hexachloroethane | 7.33 | 117 | 44550 | 37.340 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 82520 | 41.770 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 119957 | 42.429 | ng | # | 70 |
| 22) Acetophenone | 7.23 | 105 | 167376 | 40.843 | ng | | 99 |
| 24) Nitrobenzene | 7.40 | 77 | 126112 | 41.600 | ng | | 97 |
| 25) Isophorone | 7.64 | 82 | 225580 | 41.502 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 56735 | 43.570 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 94170 | 45.604 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 131879 | 39.381 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 89866 | 41.533 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 89995 | 38.499 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 315768 | 40.706 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 39254 | 28.311 | ng | | 97 |
| 33) 4-Chloroaniline | 8.17 | 127 | 49057 | 14.258 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 52699 | 39.736 | ng | | 98 |
| 35) Caprolactam | 8.55 | 113 | 27636m | 37.735 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 103344 | 40.962 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 216882 | 41.519 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 201825 | 41.252 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 85981 | 40.290 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 55313 | 60.733 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.10 | 196 | 57732 | 39.864 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 62424 | 40.343 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 260464 | 40.179 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 201979 | 39.479 | ng | | 98 |
| 48) 2-Nitroaniline | 9.40 | 65 | 64231 | 39.142 | ng | | 92 |
| 49) Acenaphthylene | 9.72 | 152 | 310727 | 40.543 | ng | | 100 |
| 50) Dimethylphthalate | 9.57 | 163 | 280512 | 47.938 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.64 | 165 | 49739 | 41.735 | ng | # | 81 |
| 52) Acenaphthene | 9.89 | 154 | 182664 | 40.206 | ng | | 99 |
| 53) 3-Nitroaniline | 9.81 | 138 | 33024 | 21.963 | ng | | 86 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 20129 | 43.801 | ng | | 94 |
| 55) Dibenzofuran | 10.06 | 168 | 280307 | 41.817 | ng | | 98 |
| 56) 4-Nitrophenol | 9.99 | 139 | 55255 | 56.699 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 66688 | 43.108 | ng | # | 88 |
| 58) Fluorene | 10.40 | 166 | 229606 | 42.522 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 38785m | 32.755 | ng | | |
| 60) Diethylphthalate | 10.27 | 149 | 238212 | 41.379 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 98738 | 42.264 | ng | | 99 |
| 62) 4-Nitroaniline | 10.43 | 138 | 51857 | 33.162 | ng | | 89 |
| 63) Azobenzene | 10.55 | 77 | 246964 | 42.003 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 19917 | 36.424 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 191764 | 43.799 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.88 | 248 | 57150 | 44.142 | ng | | 99 |
| 68) Hexachlorobenzene | 10.96 | 284 | 60354 | 42.621 | ng | | 96 |
| 69) Atrazine | 11.04 | 200 | 51640 | 48.363 | ng | | 98 |
| 70) Pentachlorophenol | 11.16 | 266 | 52031 | 78.386 | ng | | 98 |
| 71) Phenanthrene | 11.36 | 178 | 305737 | 42.459 | ng | | 99 |
| 72) Anthracene | 11.42 | 178 | 318758 | 43.360 | ng | | 99 |
| 73) Carbazole | 11.57 | 167 | 268540 | 38.483 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 375901 | 45.276 | ng | | 99 |
| 75) Fluoranthene | 12.55 | 202 | 284954 | 38.513 | ng | | 100 |
| 77) Benzidine | 12.67 | 184 | 68832 | 28.075 | ng | | 98 |
| 78) Pyrene | 12.78 | 202 | 288002 | 45.098 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 130670 | 43.303 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.98 | 228 | 201122 | 39.552 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 45370 | 27.688 | ng | | 98 |
| 83) Chrysene | 14.02 | 228 | 194755 | 39.269 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 183110 | 47.063 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 276487 | 45.150 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 164877 | 45.568 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 170024 | 41.825 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 152391 | 39.574 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.41 | 252 | 153336 | 42.985 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.94 | 278 | 142007 | 49.972 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.37 | 276 | 134568 | 47.521 | ng | | 96 |

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

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