Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110719\
Data File : BG043545.D
Acq On : 7 Nov 2019 18:51
Operator : JU
Sample : K5710-11MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP- 32-DMSD

**Manual Integrations APPROVED**
Sohil
11/8/2019 3:33:02 PM

Quant Time: Nov 08 04:45:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 31701 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 116691 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.64 | 164 | 82604 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.38 | 188 | 196047 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.65 | 240 | 212347 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.84 | 264 | 245248 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 207000 | 119.65 | ng | | 0.02 |
| 7) Phenol-d6 | 7.22 | 99 | 293644 | 117.98 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 174564 | 77.12 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.13 | 330 | 172041 | 109.44 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 438710 | 73.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 855848 | 75.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 23572 | 34.965 | ng | | 96 |
| 3) Pyridine | 3.87 | 79 | 61681 | 36.270 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 36118 | 42.089 | ng | # | 96 |
| 6) Aniline | 7.34 | 93 | 53240 | 18.568 | ng | | 97 |
| 8) 2-Chlorophenol | 7.59 | 128 | 83706 | 43.832 | ng | | 99 |
| 9) Benzaldehyde | 7.15 | 77 | 42160 | 34.466 | ng | | 89 |
| 10) Phenol | 7.24 | 94 | 109015 | 47.930 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 67704 | 38.501 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 93978 | 39.277 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 95847 | 39.593 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 91620 | 38.762 | ng | | 93 |
| 15) Benzyl Alcohol | 8.26 | 79 | 73930 | 42.293 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 93084 | 36.404 | ng | | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 69123 | 41.688 | ng | | 94 |
| 18) Hexachloroethane | 9.09 | 117 | 32986 | 37.767 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 60723 | 37.754 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 94070 | 41.374 | ng | # | 85 |
| 22) Acetophenone | 8.83 | 105 | 118620 | 39.694 | ng | # | 91 |
| 24) Nitrobenzene | 9.21 | 77 | 92505 | 42.902 | ng | # | 98 |
| 25) Isophorone | 9.73 | 82 | 169339 | 40.921 | ng | | 96 |
| 26) 2-Nitrophenol | 9.93 | 139 | 47802 | 45.921 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 77937 | 52.237 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 93001 | 40.719 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 87593 | 45.821 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 99050 | 41.110 | ng | | 97 |
| 31) Naphthalene | 10.86 | 128 | 259095 | 43.743 | ng | | 98 |
| 32) Benzoic acid | 10.19 | 122 | 43436 | 39.989 | ng | | 96 |
| 33) 4-Chloroaniline | 10.99 | 127 | 28048 | 11.552 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 69254 | 38.883 | ng | | 96 |
| 35) Caprolactam | 11.75 | 113 | 28393m | 43.126 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 94013 | 45.086 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 195647 | 43.049 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 183817 | 42.509 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 124567 | 40.747 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.81 | 237 | 122287 | 76.149 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 81538 | 45.291 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 84423 | 46.384 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 259213 | 41.249 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.52 | 162 | 200461 | 41.926 | ng | | 97 |
| 48) 2-Nitroaniline | 13.73 | 65 | 60769 | 42.524 | ng | | 95 |
| 49) Acenaphthylene | 14.36 | 152 | 325377 | 43.725 | ng | | 99 |
| 50) Dimethylphthalate | 14.09 | 163 | 312049 | 48.771 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.22 | 165 | 60092 | 43.231 | ng | | 96 |
| 52) Acenaphthene | 14.70 | 154 | 192243 | 42.362 | ng | | 97 |
| 53) 3-Nitroaniline | 14.55 | 138 | 21962 | 16.365 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.76 | 184 | 61950 | 72.157 | ng | | 96 |
| 55) Dibenzofuran | 15.04 | 168 | 318620 | 43.295 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 85711 | 95.305 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.00 | 165 | 85127 | 42.853 | ng | # | 98 |
| 58) Fluorene | 15.68 | 166 | 268537 | 43.507 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 85740 | 44.338 | ng | | 96 |
| 60) Diethylphthalate | 15.45 | 149 | 263881 | 41.046 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 149959 | 41.646 | ng | | 96 |
| 62) 4-Nitroaniline | 15.72 | 138 | 55988 | 40.396 | ng | | 98 |
| 63) Azobenzene | 15.97 | 77 | 223630 | 42.981 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 51947 | 45.025 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.89 | 169 | 236707 | 42.766 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 106665 | 40.429 | ng | | 99 |
| 68) Hexachlorobenzene | 16.70 | 284 | 120311 | 39.726 | ng | | 99 |
| 69) Atrazine | 16.84 | 200 | 102342 | 53.213 | ng | | 96 |
| 70) Pentachlorophenol | 17.05 | 266 | 108087 | 78.325 | ng | | 94 |
| 71) Phenanthrene | 17.43 | 178 | 426463 | 42.480 | ng | | 100 |
| 72) Anthracene | 17.52 | 178 | 443671 | 44.172 | ng | | 99 |
| 73) Carbazole | 17.79 | 167 | 399999 | 43.976 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.34 | 149 | 466900 | 42.305 | ng | | 99 |
| 75) Fluoranthene | 19.43 | 202 | 572731 | 43.760 | ng | | 99 |
| 77) Benzidine | 19.62 | 184 | 189418 | 44.323 | ng | | 99 |
| 78) Pyrene | 19.80 | 202 | 576306 | 43.845 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 216597 | 43.496 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.63 | 228 | 593654 | 44.631 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.55 | 252 | 105677 | 20.541 | ng | | 99 |
| 83) Chrysene | 21.70 | 228 | 565814 | 42.813 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 312423 | 44.166 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.73 | 149 | 521592 | 43.462 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.49 | 276 | 715677 | 43.141 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.83 | 252 | 595562 | 42.877 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.90 | 252 | 615529 | 44.019 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.70 | 252 | 562380 | 42.399 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.54 | 278 | 614179 | 45.270 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.62 | 276 | 605903 | 45.275 | ng | | 99 |

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

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