Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092018\
Data File : BG036851.D
Acq On : 20 Sep 2018 20:04
Operator : JU/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG092018

**Manual Integrations APPROVED**
Sohil
9/21/2018 10:49:08 AM

Quant Time: Sep 21 10:39:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 20:07:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 38649 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 196221 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 136401 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 348265 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 337323 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 347709 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 168010 | 83.37 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 267823 | 85.90 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 285556 | 77.93 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 132819 | 81.39 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 712600 | 77.81 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.02 | 244 | 975950 | 76.08 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 39709 | 43.061 | ng | 95 |
| 3) Pyridine | 3.92 | 79 | 114152 | 42.871 | ng | 96 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 48402 | 40.899 | ng | 99 |
| 6) Aniline | 7.37 | 93 | 167715 | 41.454 | ng | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 94761 | 40.496 | ng | 94 |
| 9) Benzaldehyde | 7.19 | 77 | 83965 | 40.753 | ng | 99 |
| 10) Phenol | 7.24 | 94 | 137198 | 42.635 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 115088 | 38.664 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 114867 | 40.040 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 119742 | 40.787 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 113185 | 39.784 | ng | 99 |
| 15) Benzyl Alcohol | 8.28 | 79 | 107115 | 42.338 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 228267 | 39.944 | ng | 96 |
| 17) 2-Methylphenol | 8.49 | 107 | 91391 | 40.772 | ng | 98 |
| 18) Hexachloroethane | 9.13 | 117 | 43640 | 40.393 | ng | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 107466 | 41.431 | ng | 95 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 132563 | 42.511 | ng | 97 |
| 22) Acetophenone | 8.87 | 105 | 179162 | 38.854 | ng | 97 |
| 24) Nitrobenzene | 9.25 | 77 | 151811 | 38.797 | ng | 94 |
| 25) Isophorone | 9.78 | 82 | 270678 | 40.428 | ng | 97 |
| 26) 2-Nitrophenol | 9.96 | 139 | 64035 | 41.056 | ng | 95 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 96599 | 39.760 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 160191 | 38.775 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 116771 | 41.461 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 136450 | 38.714 | ng | 98 |
| 31) Naphthalene | 10.90 | 128 | 360917 | 38.657 | ng | 98 |
| 32) Benzoic acid | 10.16 | 122 | 67409m | 37.642 | ng | |
| 33) 4-Chloroaniline | 11.01 | 127 | 165907 | 39.083 | ng | 98 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 94646 | 38.830 | ng | 98 |
| 35) Caprolactam | 11.79 | 113 | 48025 | 41.430 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 141822 | 42.202 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 281602 | 39.602 | ng | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 186342 | 39.169 | ng | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 95786 | 39.148 | ng | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 109058 | 41.281 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 119555 | 42.441 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 406402 | 38.904 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 318347 | 38.751 | ng | | 99 |
| 47) 2-Nitroaniline | 13.76 | 65 | 112684 | 39.657 | ng | | 97 |
| 48) Acenaphthylene | 14.40 | 152 | 503593 | 39.119 | ng | | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 427918 | 38.975 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 96899 | 40.450 | ng | | 94 |
| 51) Acenaphthene | 14.74 | 154 | 305348 | 39.246 | ng | | 98 |
| 52) 3-Nitroaniline | 14.58 | 138 | 101555 | 40.231 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 38986 | 39.056 | ng | | 98 |
| 54) Dibenzofuran | 15.07 | 168 | 514070 | 39.063 | ng | | 98 |
| 55) 4-Nitrophenol | 14.89 | 139 | 65540 | 40.642 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 135075 | 40.410 | ng | | 89 |
| 57) Fluorene | 15.72 | 166 | 380991 | 38.733 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 113553 | 39.736 | ng | | 97 |
| 59) Diethylphthalate | 15.49 | 149 | 425744 | 38.446 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 244715 | 39.285 | ng | | 98 |
| 61) 4-Nitroaniline | 15.75 | 138 | 104201 | 39.244 | ng | | 96 |
| 62) Azobenzene | 16.00 | 77 | 410521 | 38.582 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 74949 | 41.163 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 375677 | 39.074 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 157493 | 39.758 | ng | | 98 |
| 67) Hexachlorobenzene | 16.73 | 284 | 160089 | 39.239 | ng | | 97 |
| 68) Atrazine | 16.87 | 200 | 153096 | 39.326 | ng | | 99 |
| 69) Pentachlorophenol | 17.07 | 266 | 104871 | 40.826 | ng | | 97 |
| 70) Phenanthrene | 17.46 | 178 | 655177 | 39.039 | ng | | 99 |
| 71) Anthracene | 17.56 | 178 | 649903 | 39.163 | ng | | 100 |
| 72) Carbazole | 17.83 | 167 | 627528 | 38.784 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 704279 | 39.195 | ng | | 99 |
| 74) Fluoranthene | 19.47 | 202 | 777984 | 38.511 | ng | | 100 |
| 76) Benzidine | 19.65 | 184 | 364065 | 35.703 | ng | | 99 |
| 77) Pyrene | 19.83 | 202 | 793332 | 39.192 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 308518 | 38.238 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 745982 | 37.884 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.59 | 252 | 290611 | 38.773 | ng | | 99 |
| 82) Chrysene | 21.73 | 228 | 713360 | 37.495 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 422711 | 37.503 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 710961 | 38.310 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 801502 | 39.231 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.88 | 252 | 714884 | 38.579 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 716293 | 38.530 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.75 | 252 | 691665 | 38.609 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 28.62 | 278 | 653141 | 38.901 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.69 | 276 | 657904 | 39.044 | ng | | 97 |

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

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