Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031020\
Data File : BG044714.D
Acq On : 10 Mar 2020 14:25
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDICC080

**Manual Integrations APPROVED**
mohammad
3/11/2020 4:56:55 PM

Quant Time: Mar 10 15:48:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 14:03:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 104042 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 388742 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 258600 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 566467 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.71 | 240 | 480303 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.93 | 264 | 581306 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1017684 | 146.90 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 1469958 | 140.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 1433224 | 167.86 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 548633 | 154.45 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 2666672 | 143.65 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.06 | 244 | 3502665 | 130.17 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 246728 | 74.301 | ng | | 98 |
| 3) Pyridine | 3.93 | 79 | 750036m | 72.849 | ng | | |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 296723 | 68.132 | ng | | 95 |
| 6) Aniline | 7.38 | 93 | 923867 | 70.428 | ng | | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 514870 | 73.329 | ng | | 99 |
| 9) Benzaldehyde | 7.19 | 77 | 352917 | 57.420 | ng | | 97 |
| 10) Phenol | 7.24 | 94 | 735435 | 71.296 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 576773 | 72.770 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 622449 | 74.542 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 613873 | 73.584 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 581025 | 73.679 | ng | | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 604622 | 66.929 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 1019482 | 68.081 | ng | | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 496328 | 70.223 | ng | | 93 |
| 18) Hexachloroethane | 9.15 | 117 | 249155 | 74.464 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.88 | 70 | 517380 | 66.137 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 686990 | 69.772 | ng | | 99 |
| 22) Acetophenone | 8.88 | 105 | 862450 | 75.997 | ng | # | 97 |
| 24) Nitrobenzene | 9.26 | 77 | 755675 | 83.478 | ng | | 98 |
| 25) Isophorone | 9.79 | 82 | 1360228 | 72.243 | ng | | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 268551 | 90.720 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 455558 | 77.119 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 800810 | 75.547 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 533969 | 79.445 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 623765 | 79.894 | ng | | 97 |
| 31) Naphthalene | 10.92 | 128 | 1668689 | 76.489 | ng | | 98 |
| 32) Benzoic acid | 10.21 | 122 | 399531 | 96.440 | ng | | 96 |
| 33) 4-Chloroaniline | 11.02 | 127 | 762839 | 75.918 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 415653 | 77.923 | ng | | 98 |
| 35) Caprolactam | 11.81 | 113 | 208452m | 74.295 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 625796 | 73.520 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 1248766 | 75.852 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 1174705 | 75.479 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 669357 | 79.733 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 399308 | 81.341 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 462821 | 79.524 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 477577 | 80.016 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 1584790 | 77.051 | ng | | 95 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 1231613 | 78.501 | ng | | 98 |
| 48) 2-Nitroaniline | 13.76 | 65 | 482398 | 91.167 | ng | | 98 |
| 49) Acenaphthylene | 14.42 | 152 | 1893934 | 75.348 | ng | | 97 |
| 50) Dimethylphthalate | 14.15 | 163 | 1575903 | 73.302 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 352591 | 91.272 | ng | | 98 |
| 52) Acenaphthene | 14.76 | 154 | 1282851 | 78.931 | ng | | 98 |
| 53) 3-Nitroaniline | 14.59 | 138 | 392817 | 88.235 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.79 | 184 | 177134 | 98.757 | ng | # | 74 |
| 55) Dibenzofuran | 15.09 | 168 | 1793677 | 73.652 | ng | | 95 |
| 56) 4-Nitrophenol | 14.89 | 139 | 312763 | 90.292 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 492354 | 95.384 | ng | | 95 |
| 58) Fluorene | 15.74 | 166 | 1465041 | 72.733 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 444167m | 78.191 | ng | | |
| 60) Diethylphthalate | 15.52 | 149 | 1658719 | 72.165 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204 | 810882 | 74.190 | ng | | 98 |
| 62) 4-Nitroaniline | 15.76 | 138 | 415685 | 84.772 | ng | | 98 |
| 63) Azobenzene | 16.03 | 77 | 1706848 | 70.960 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 230788 | 99.726 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 1324421 | 76.469 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.63 | 248 | 566166 | 79.248 | ng | | 98 |
| 68) Hexachlorobenzene | 16.75 | 284 | 608838 | 78.924 | ng | | 97 |
| 69) Atrazine | 16.90 | 200 | 457897 | 68.412 | ng | | 100 |
| 70) Pentachlorophenol | 17.09 | 266 | 362556 | 82.825 | ng | | 97 |
| 71) Phenanthrene | 17.48 | 178 | 2309506 | 74.354 | ng | | 95 |
| 72) Anthracene | 17.58 | 178 | 2259107 | 73.844 | ng | | 97 |
| 73) Carbazole | 17.84 | 167 | 2177070 | 74.306 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.41 | 149 | 2624361 | 71.122 | ng | | 96 |
| 75) Fluoranthene | 19.49 | 202 | 2672312 | 71.186 | ng | | 96 |
| 77) Benzidine | 19.66 | 184 | 1227460 | 64.020 | ng | | 96 |
| 78) Pyrene | 19.85 | 202 | 2652266m | 72.397 | ng | | |
| 80) Butylbenzylphthalate | 20.74 | 149 | 1310345 | 80.133 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 2666667 | 74.035 | ng | | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 1073128 | 74.829 | ng | | 97 |
| 83) Chrysene | 21.77 | 228 | 2534842 | 73.937 | ng | | 94 |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 1723964 | 75.600 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.85 | 149 | 2914302 | 74.420 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.61 | 276 | 3564957 | 78.734 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 3017101 | 76.260 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.99 | 252 | 2779728 | 74.956 | ng | | 95 |
| 90) Benzo(a)pyrene | 24.79 | 252 | 2836416 | 76.976 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.69 | 278 | 2806382 | 76.378 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.77 | 276 | 2860451 | 77.720 | ng | | 99 |

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

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