Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
Data File : BG044019.D
Acq On : 13 Jan 2020 19:40
Operator : JU
Sample : PB126048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB126048BS

**Manual Integrations APPROVED**
mohammad
1/14/2020 12:24:53 PM

Quant Time: Jan 14 10:27:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.94 | 152 | 112555 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.75 | 136 | 478390 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.58 | 164 | 316335 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.32 | 188 | 706350 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.58 | 240 | 625803 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.72 | 264 | 583242 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 744105 | 121.39 | ng | | 0.00 |
| 7) Phenol-d6 | 7.12 | 99 | 968527 | 113.03 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.10 | 82 | 596063 | 66.65 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.07 | 330 | 392776 | 118.65 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.20 | 172 | 1317333 | 75.45 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.94 | 244 | 2014705 | 75.22 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 101326 | 37.910 | ng | | 97 |
| 3) Pyridine | 3.81 | 79 | 243452 | 30.832 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 127697 | 36.325 | ng | | 97 |
| 6) Aniline | 7.27 | 93 | 310637 | 27.601 | ng | | 96 |
| 8) 2-Chlorophenol | 7.51 | 128 | 307707 | 42.758 | ng | | 95 |
| 9) Benzaldehyde | 7.08 | 77 | 126257m | 23.022 | ng | | |
| 10) Phenol | 7.14 | 94 | 373263 | 42.279 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.37 | 93 | 283130 | 37.153 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.84 | 146 | 325071 | 38.600 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.98 | 146 | 325876 | 39.218 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.30 | 146 | 305837 | 38.347 | ng | | 99 |
| 15) Benzyl Alcohol | 8.18 | 79 | 252966 | 37.407 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.48 | 45 | 382922 | 32.478 | ng | | 99 |
| 17) 2-Methylphenol | 8.39 | 107 | 263282 | 41.210 | ng | | 98 |
| 18) Hexachloroethane | 9.03 | 117 | 121093 | 37.453 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.75 | 70 | 220188 | 34.506 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.72 | 107 | 358268 | 40.198 | ng | | 98 |
| 22) Acetophenone | 8.77 | 105 | 417007 | 35.063 | ng | # | 98 |
| 24) Nitrobenzene | 9.14 | 77 | 315502 | 35.622 | ng | | 97 |
| 25) Isophorone | 9.67 | 82 | 604154 | 36.010 | ng | | 99 |
| 26) 2-Nitrophenol | 9.86 | 139 | 172918 | 41.266 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.92 | 122 | 285646 | 45.285 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.15 | 93 | 382584 | 34.205 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.39 | 162 | 303366 | 40.320 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.61 | 180 | 305512 | 36.214 | ng | | 98 |
| 31) Naphthalene | 10.80 | 128 | 887656 | 38.344 | ng | | 99 |
| 32) Benzoic acid | 10.06 | 122 | 164617 | 34.128 | ng | | 90 |
| 33) 4-Chloroaniline | 10.90 | 127 | 215514 | 19.518 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.09 | 225 | 176781 | 34.321 | ng | | 99 |
| 35) Caprolactam | 11.67 | 113 | 114316m | 40.813 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.03 | 107 | 321828 | 40.179 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.40 | 142 | 668023 | 38.329 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.63 | 142 | 629956 | 38.137 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216 | 314685 | 33.940 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.76 | 237 | 331670 | 68.999 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.01 | 196 | 242454 | 38.004 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.08 | 196 | 263837 | 40.097 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.41 | 154 | 827251 | 36.474 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.45 | 162 | 654309 | 35.701 | ng | | 98 |
| 48) 2-Nitroaniline | 13.65 | 65 | 204065 | 34.614 | ng | | 96 |
| 49) Acenaphthylene | 14.30 | 152 | 1027439 | 39.004 | ng | | 98 |
| 50) Dimethylphthalate | 14.04 | 163 | 851251 | 37.899 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.15 | 165 | 196033 | 38.614 | ng | | 95 |
| 52) Acenaphthene | 14.65 | 154 | 649564 | 35.162 | ng | | 97 |
| 53) 3-Nitroaniline | 14.48 | 138 | 152025 | 26.370 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.68 | 184 | 238314 | 91.311 | ng | | 98 |
| 55) Dibenzofuran | 14.98 | 168 | 1003248 | 39.450 | ng | | 98 |
| 56) 4-Nitrophenol | 14.79 | 139 | 387878 | 87.799 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 280084 | 40.546 | ng | | 98 |
| 58) Fluorene | 15.63 | 166 | 789159 | 39.152 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.21 | 232 | 236810 | 41.854 | ng | | 96 |
| 60) Diethylphthalate | 15.40 | 149 | 870495 | 38.748 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.62 | 204 | 411515 | 37.599 | ng | | 95 |
| 62) 4-Nitroaniline | 15.64 | 138 | 205233 | 36.049 | ng | | 94 |
| 63) Azobenzene | 15.91 | 77 | 783897 | 37.625 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.70 | 198 | 171219 | 47.134 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.83 | 169 | 757637 | 36.423 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.52 | 248 | 269035 | 33.865 | ng | | 96 |
| 68) Hexachlorobenzene | 16.64 | 284 | 293900 | 34.333 | ng | | 97 |
| 69) Atrazine | 16.79 | 200 | 294466 | 43.551 | ng | | 99 |
| 70) Pentachlorophenol | 16.97 | 266 | 366473 | 77.662 | ng | | 99 |
| 71) Phenanthrene | 17.37 | 178 | 1282228 | 37.846 | ng | | 98 |
| 72) Anthracene | 17.46 | 178 | 1313439 | 39.227 | ng | | 99 |
| 73) Carbazole | 17.72 | 167 | 1219401 | 39.426 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.29 | 149 | 1501929 | 38.034 | ng | | 97 |
| 75) Fluoranthene | 19.37 | 202 | 1509252 | 38.952 | ng | | 98 |
| 77) Benzidine | 19.55 | 184 | 458258 | 29.133 | ng | | 96 |
| 78) Pyrene | 19.74 | 202 | 1508334 | 36.925 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.63 | 149 | 700874 | 36.039 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.55 | 228 | 1438495 | 37.071 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.47 | 252 | 473374 | 30.878 | ng | | 100 |
| 83) Chrysene | 21.63 | 228 | 1439556 | 39.042 | ng | | 95 |
| 84) Bis(2-ethylhexyl)phthalate | 21.48 | 149 | 990469 | 36.911 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.67 | 149 | 1732164 | 38.397 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.28 | 276 | 1764559 | 35.215 | ng | # | 83 |
| 88) Benzo(b)fluoranthene | 23.71 | 252 | 1539029 | 44.636 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.79 | 252 | 1489705 | 45.434 | ng | | 96 |
| 90) Benzo(a)pyrene | 24.57 | 252 | 1401449 | 43.065 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.38 | 278 | 1476501 | 45.177 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.48 | 276 | 1493537 | 46.006 | ng | | 98 |

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

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