Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042850.D
Acq On : 16 Sep 2019 15:58
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Sep 16 16:34:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 74995 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 314402 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 218818 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 563963 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 613590 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.03 | 264 | 686114 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 363526 | 84.27 | ng | | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 508646 | 82.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 496524 | 82.22 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 245617 | 84.37 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 1109998 | 80.30 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 2180862 | 78.77 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.59 | 88 | 82014 | 41.660 | ng | | 98 |
| 3) Pyridine | 3.99 | 79 | 248177 | 41.870 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 111230 | 38.565 | ng | | 81 |
| 6) Aniline | 7.44 | 93 | 337288 | 40.377 | ng | | 100 |
| 8) 2-Chlorophenol | 7.68 | 128 | 190880 | 40.937 | ng | | 97 |
| 9) Benzaldehyde | 7.25 | 77 | 153995 | 38.220 | ng | | 98 |
| 10) Phenol | 7.30 | 94 | 262715 | 41.375 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 196757 | 40.376 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 234198 | 41.180 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 229888 | 40.375 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 216610 | 39.965 | ng | | 99 |
| 15) Benzyl Alcohol | 8.35 | 79 | 213070 | 40.100 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 411065 | 38.412 | ng | | 97 |
| 17) 2-Methylphenol | 8.55 | 107 | 175207 | 41.245 | ng | | 97 |
| 18) Hexachloroethane | 9.21 | 117 | 85876 | 40.852 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 183138 | 40.142 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 236670 | 40.417 | ng | | 96 |
| 22) Acetophenone | 8.93 | 105 | 311396 | 39.217 | ng | | 96 |
| 24) Nitrobenzene | 9.32 | 77 | 260608 | 41.114 | ng | | 98 |
| 25) Isophorone | 9.85 | 82 | 498441 | 39.598 | ng | | 99 |
| 26) 2-Nitrophenol | 10.03 | 139 | 105774 | 42.436 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 175018 | 39.694 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 280022 | 39.890 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 204934 | 39.997 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 246049 | 39.333 | ng | | 99 |
| 31) Naphthalene | 10.98 | 128 | 619404 | 39.902 | ng | | 99 |
| 32) Benzoic acid | 10.20 | 122 | 134679 | 39.037 | ng | | 90 |
| 33) 4-Chloroaniline | 11.07 | 127 | 292133 | 40.264 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 169194 | 38.603 | ng | | 97 |
| 35) Caprolactam | 11.84 | 113 | 84878 | 44.547 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 12.18 | 107 | 227671 | 40.924 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 462120 | 39.741 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.79 | 142 | 438511 | 40.208 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 284005 | 39.277 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.92 | 237 | 166958 | 40.306 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 192185 | 39.923 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.24 | 196 | 200152 | 40.592 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 611806 | 39.939 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 506949 | 40.006 | ng | | 98 |
| 48) 2-Nitroaniline | 13.81 | 65 | 199721 | 45.434 | ng | | 98 |
| 49) Acenaphthylene | 14.46 | 152 | 790595 | 40.826 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 682645 | 41.645 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 150923 | 44.870 | ng | | 87 |
| 52) Acenaphthene | 14.80 | 154 | 516505 | 40.827 | ng | | 98 |
| 53) 3-Nitroaniline | 14.63 | 138 | 169648 | 44.940 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.83 | 184 | 79087 | 47.763 | ng | | 85 |
| 55) Dibenzofuran | 15.13 | 168 | 768266 | 40.856 | ng | | 99 |
| 56) 4-Nitrophenol | 14.92 | 139 | 138203 | 47.350 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 15.08 | 165 | 217165 | 48.439 | ng | # | 99 |
| 58) Fluorene | 15.79 | 166 | 643449 | 41.288 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 205531 | 42.999 | ng | | 97 |
| 60) Diethylphthalate | 15.55 | 149 | 696836 | 41.879 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 373237 | 40.505 | ng | | 96 |
| 62) 4-Nitroaniline | 15.79 | 138 | 190184 | 46.739 | ng | | 96 |
| 63) Azobenzene | 16.07 | 77 | 666753 | 41.612 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 110261 | 45.693 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 581426 | 38.313 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.67 | 248 | 256689 | 37.604 | ng | | 98 |
| 68) Hexachlorobenzene | 16.79 | 284 | 274417 | 37.623 | ng | | 99 |
| 69) Atrazine | 16.93 | 200 | 189061 | 35.775 | ng | | 97 |
| 70) Pentachlorophenol | 17.12 | 266 | 176983 | 40.903 | ng | | 91 |
| 71) Phenanthrene | 17.52 | 178 | 1088892 | 40.373 | ng | | 100 |
| 72) Anthracene | 17.61 | 178 | 1091593 | 40.511 | ng | | 98 |
| 73) Carbazole | 17.88 | 167 | 1075886 | 42.010 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.44 | 149 | 1295624 | 42.232 | ng | | 99 |
| 75) Fluoranthene | 19.53 | 202 | 1505428 | 43.068 | ng | | 99 |
| 77) Benzidine | 19.70 | 184 | 645739 | 37.668 | ng | | 99 |
| 78) Pyrene | 19.89 | 202 | 1526319 | 39.733 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 638123 | 41.045 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.74 | 228 | 1544941 | 39.601 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 600506 | 39.608 | ng | | 99 |
| 83) Chrysene | 21.81 | 228 | 1471999 | 39.833 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 867935 | 40.858 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.89 | 149 | 1472347 | 40.657 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.77 | 276 | 1825348 | 39.887 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 24.00 | 252 | 1596462 | 39.627 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.06 | 252 | 1546907 | 40.648 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.88 | 252 | 1511268 | 40.062 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.84 | 278 | 1486730 | 40.071 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.95 | 276 | 1447268 | 39.991 | ng | | 98 |

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

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