Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032420\
Data File : BG044939.D
Acq On : 24 Mar 2020 20:46
Operator : CG/JU
Sample : PB127773BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB127773BS

Manual Integrations APPROVED
mohammad
3/25/2020 12:27:59 PM

Quant Time: Mar 25 06:35:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 23 07:18:46 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 73556 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 283797 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 187559 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 443944 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 448273 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.89 | 264 | 509668 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 454100 | 96.10 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 616717 | 89.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 564081 | 87.22 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 256854 | 104.59 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 1203769 | 91.91 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 2119222 | 88.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 86459 | 37.997 | ng | | 98 |
| 3) Pyridine | 3.91 | 79 | 248685 | 36.919 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 121455 | 47.522 | ng | | 99 |
| 6) Aniline | 7.36 | 93 | 267976 | 31.369 | ng | | 95 |
| 8) 2-Chlorophenol | 7.61 | 128 | 242604 | 51.433 | ng | | 98 |
| 9) Benzaldehyde | 7.17 | 77 | 177615 | 43.559 | ng | | 94 |
| 10) Phenol | 7.23 | 94 | 319180 | 46.960 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 231636 | 42.702 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 265154 | 45.633 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 260176 | 45.292 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 245656 | 45.090 | ng | | 99 |
| 15) Benzyl Alcohol | 8.28 | 79 | 241748 | 43.888 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 349974 | 36.560 | ng | | 97 |
| 17) 2-Methylphenol | 8.48 | 107 | 214669 | 46.626 | ng | | 97 |
| 18) Hexachloroethane | 9.13 | 117 | 101006 | 44.662 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 194893 | 40.204 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 300449 | 47.340 | ng | | 94 |
| 22) Acetophenone | 8.86 | 105 | 351680 | 43.741 | ng | | 99 |
| 24) Nitrobenzene | 9.24 | 77 | 300982 | 44.852 | ng | | 99 |
| 25) Isophorone | 9.77 | 82 | 532431 | 42.182 | ng | # | 97 |
| 26) 2-Nitrophenol | 9.95 | 139 | 126502 | 53.576 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 220226 | 53.576 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 308526 | 40.958 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 240067 | 50.002 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 261964 | 45.632 | ng | | 98 |
| 31) Naphthalene | 10.90 | 128 | 726256 | 46.196 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 123232 | 40.401 | ng | | 98 |
| 33) 4-Chloroaniline | 11.00 | 127 | 141693 | 20.005 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 173327 | 45.911 | ng | | 94 |
| 35) Caprolactam | 11.77 | 113 | 83995m | 46.207 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 271175 | 47.358 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 541236 | 46.024 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.72 | 142 | 519173 | 46.959 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 288238 | 46.664 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.86 | 237 | 399902 | 118.465 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 213040 | 51.970 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 229456 | 53.974 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 676055 | 45.106 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.55 | 162 | 527688 | 46.087 | ng | | 97 |
| 48) 2-Nitroaniline | 13.74 | 65 | 186520 | 46.531 | ng | | 96 |
| 49) Acenaphthylene | 14.39 | 152 | 857190 | 47.787 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 701978 | 46.992 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.24 | 165 | 161263 | 53.557 | ng | | 96 |
| 52) Acenaphthene | 14.74 | 154 | 630883 | 53.703 | ng | | 98 |
| 53) 3-Nitroaniline | 14.56 | 138 | 100596 | 29.059 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 171661 | 106.071 | ng | | 96 |
| 55) Dibenzofuran | 15.08 | 168 | 824428 | 48.394 | ng | | 97 |
| 56) 4-Nitrophenol | 14.88 | 139 | 276724 | 104.740 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 221967 | 53.750 | ng | | 95 |
| 58) Fluorene | 15.72 | 166 | 693910 | 49.517 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 213680m | 54.594 | ng | | |
| 60) Diethylphthalate | 15.49 | 149 | 732104 | 46.989 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 374108 | 49.579 | ng | | 98 |
| 62) 4-Nitroaniline | 15.73 | 138 | 167825 | 45.464 | ng | | 91 |
| 63) Azobenzene | 16.01 | 77 | 731404 | 45.205 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 132545 | 60.959 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 631231 | 47.227 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 254284 | 45.818 | ng | | 99 |
| 68) Hexachlorobenzene | 16.73 | 284 | 284648 | 47.275 | ng | | 98 |
| 69) Atrazine | 16.88 | 200 | 258840 | 52.858 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 353045 | 106.567 | ng | | 97 |
| 71) Phenanthrene | 17.46 | 178 | 1142678 | 48.166 | ng | | 99 |
| 72) Anthracene | 17.55 | 178 | 1167334 | 49.901 | ng | | 98 |
| 73) Carbazole | 17.82 | 167 | 1104644 | 49.160 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 1306754 | 47.839 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 1469679 | 52.030 | ng | | 99 |
| 77) Benzidine | 19.64 | 184 | 674271 | 46.333 | ng | | 98 |
| 78) Pyrene | 19.83 | 202 | 1455343 | 44.251 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 624021 | 42.650 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 1434873 | 44.452 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 341255 | 27.327 | ng | | 99 |
| 83) Chrysene | 21.74 | 228 | 1394286 | 45.220 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 864462 | 42.810 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 1478357 | 43.750 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 1889272 | 46.737 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.88 | 252 | 1584701 | 47.098 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.95 | 252 | 1538276 | 48.310 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.75 | 252 | 1475851 | 46.876 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.61 | 278 | 1520718 | 48.960 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.68 | 276 | 1543449 | 49.184 | ng | | 97 |

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

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