Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042222\
Data File : BG053267.D
Acq On : 22 Apr 2022 18:57
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 01:15:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

04/25/2022
Supervised By :Jagrut Upadhyay

04/25/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.114 | 152 | 28751 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.922 | 136 | 119039 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.734 | 164 | 89313 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.477 | 188 | 211290 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.766 | 240 | 211911 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.055 | 264 | 221064 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.676 | 112 | 149185 | 88.947 | ng | | 0.00 |
| 7) Phenol-d6 | 7.274 | 99 | 224912 | 86.957 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.271 | 82 | 235311 | 80.263 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.220 | 330 | 116375 | 81.900 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.360 | 172 | 530251 | 81.866 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.080 | 244 | 1007449 | 80.292 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.555 | 88 | 35027 | 43.730 | ng | | 95 |
| 3) Pyridine | 3.960 | 79 | 92534 | 43.802 | ng | # | 86 |
| 4) n-Nitrosodimethylamine | 3.866 | 42 | 44766 | 42.792 | ng | | 89 |
| 6) Aniline | 7.432 | 93 | 129344 | 43.150 | ng | | 98 |
| 8) 2-Chlorophenol | 7.679 | 128 | 79281 | 43.784 | ng | | 97 |
| 9) Benzaldehyde | 7.244 | 77 | 63628m | 41.155 | ng | | |
| 10) Phenol | 7.297 | 94 | 111237 | 43.206 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.520 | 93 | 79475 | 42.823 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.002 | 146 | 92051 | 43.748 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.143 | 146 | 92803 | 43.263 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.466 | 146 | 85661 | 41.411 | ng | | 96 |
| 15) Benzyl Alcohol | 8.343 | 79 | 100468 | 43.701 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.631 | 45 | 129333 | 41.741 | ng | | 98 |
| 17) 2-Methylphenol | 8.554 | 107 | 72965 | 41.881 | ng | | 94 |
| 18) Hexachloroethane | 9.195 | 117 | 35003 | 43.514 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.913 | 70 | 80094 | 42.298 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.877 | 107 | 106711 | 43.388 | ng | | 96 |
| 22) Acetophenone | 8.930 | 105 | 135583 | 41.055 | ng | | 95 |
| 24) Nitrobenzene | 9.312 | 77 | 114910 | 40.296 | ng | # | 88 |
| 25) Isophorone | 9.835 | 82 | 203880 | 40.914 | ng | | 97 |
| 26) 2-Nitrophenol | 10.029 | 139 | 48324 | 40.526 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.087 | 122 | 70953 | 41.547 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 10.317 | 93 | 117225 | 41.873 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.569 | 162 | 88311 | 41.134 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.787 | 180 | 99633 | 41.003 | ng | | 93 |
| 31) Naphthalene | 10.975 | 128 | 256826 | 40.439 | ng | | 99 |
| 32) Benzoic acid | 10.240 | 122 | 42791 | 39.219 | ng | # | 83 |
| 33) 4-Chloroaniline | 11.074 | 127 | 110230 | 40.530 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.256 | 225 | 74765 | 41.422 | ng | | 98 |
| 35) Caprolactam | 11.844 | 113 | 30393 | 40.162 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 12.196 | 107 | 101036 | 40.423 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.566 | 142 | 189562 | 40.337 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.790 | 142 | 185314m | 40.398 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.937 | 216 | 123983 | 40.873 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.919 | 237 | 57994 | 37.036 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 13.177 | 196 | 85596 | 40.927 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.254 | 196 | 87943 | 39.460 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.571 | 154 | 260223 | 40.459 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.612 | 162 | 205540 | 40.055 | ng | | 97 |
| 48) 2-Nitroaniline | 13.812 | 65 | 81028 | 41.609 | ng | | 91 |
| 49) Acenaphthylene | 14.458 | 152 | 330092 | 41.094 | ng | | 98 |
| 50) Dimethylphthalate | 14.182 | 163 | 289077 | 40.467 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.299 | 165 | 60076 | 40.312 | ng | | 85 |
| 52) Acenaphthene | 14.799 | 154 | 216965m | 39.829 | ng | | |
| 53) 3-Nitroaniline | 14.634 | 138 | 64467 | 40.910 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 14.846 | 184 | 32980 | 34.780 | ng | # | 86 |
| 55) Dibenzofuran | 15.128 | 168 | 343721 | 40.297 | ng | | 98 |
| 56) 4-Nitrophenol | 14.946 | 139 | 49962 | 41.571 | ng | # | 79 |
| 57) 2,4-Dinitrotoluene | 15.092 | 165 | 88200 | 41.570 | ng | | 88 |
| 58) Fluorene | 15.780 | 166 | 275342 | 39.967 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.357 | 232 | 88673 | 40.970 | ng | | 99 |
| 60) Diethylphthalate | 15.539 | 149 | 296649 | 39.634 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.768 | 204 | 158058 | 40.473 | ng | | 97 |
| 62) 4-Nitroaniline | 15.797 | 138 | 67759 | 40.749 | ng | # | 79 |
| 63) Azobenzene | 16.062 | 77 | 299501 | 39.689 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.856 | 198 | 58600 | 39.753 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.980 | 169 | 249220 | 41.017 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.661 | 248 | 110426 | 40.787 | ng | | 96 |
| 68) Hexachlorobenzene | 16.790 | 284 | 123328 | 42.063 | ng | | 96 |
| 69) Atrazine | 16.919 | 200 | 92832 | 39.113 | ng | | 99 |
| 70) Pentachlorophenol | 17.137 | 266 | 68621 | 42.824 | ng | | 94 |
| 71) Phenanthrene | 17.524 | 178 | 472957 | 40.980 | ng | | 98 |
| 72) Anthracene | 17.613 | 178 | 464063 | 40.588 | ng | | 99 |
| 73) Carbazole | 17.877 | 167 | 456795 | 41.100 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.429 | 149 | 518672 | 41.148 | ng | | 98 |
| 75) Fluoranthene | 19.528 | 202 | 610599 | 41.274 | ng | | 99 |
| 77) Benzidine | 19.698 | 184 | 239256 | 39.572 | ng | | 99 |
| 78) Pyrene | 19.892 | 202 | 614700 | 40.729 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.761 | 149 | 233927 | 41.575 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.742 | 228 | 597269 | 41.222 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.654 | 252 | 218317 | 40.971 | ng | | 99 |
| 83) Chrysene | 21.813 | 228 | 556452 | 41.382 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.637 | 149 | 317257 | 41.714 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.870 | 149 | 530763 | 41.727 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.844 | 276 | 670257 | 40.810 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.010 | 252 | 573816 | 41.140 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 563682 | 41.120 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.903 | 252 | 488360 | 41.100 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.903 | 278 | 550077 | 40.693 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.013 | 276 | 543759 | 40.812 | ng | | 99 |

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

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