Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042222\
Data File : BG053273.D
Acq On : 22 Apr 2022 22:51
Operator : CG/JU
Sample : N2487-10MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 24 01:16:44 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 :**
UST-1-WMS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

04/25/2022
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04/25/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.108 | 152 | 22744 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.921 | 136 | 99028 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.734 | 164 | 81354 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.477 | 188 | 209281 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.765 | 240 | 199369 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.061 | 264 | 209139 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.676 | 112 | 149070 | 112.352 | ng | | 0.00 |
| 7) Phenol-d6 | 7.267 | 99 | 158076 | 77.258 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.271 | 82 | 235716 | 96.648 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.226 | 330 | 198878 | 153.656 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.359 | 172 | 557727 | 94.532 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.080 | 244 | 1113567 | 94.333 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.549 | 88 | 18070 | 28.518 | ng | # | 88 |
| 3) Pyridine | 3.954 | 79 | 37815 | 22.628 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.860 | 42 | 29539 | 35.694 | ng | | 80 |
| 6) Aniline | 7.426 | 93 | 81852 | 34.518 | ng | | 99 |
| 8) 2-Chlorophenol | 7.673 | 128 | 78960 | 55.124 | ng | | 89 |
| 9) Benzaldehyde | 7.238 | 77 | 67602 | 55.274 | ng | | 97 |
| 10) Phenol | 7.297 | 94 | 59927 | 29.424 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.520 | 93 | 82994 | 56.530 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.996 | 146 | 81545 | 48.991 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.143 | 146 | 84749 | 49.943 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.466 | 146 | 83645 | 51.116 | ng | | 98 |
| 15) Benzyl Alcohol | 8.342 | 79 | 85025 | 46.751 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.630 | 45 | 131142 | 53.503 | ng | | 94 |
| 17) 2-Methylphenol | 8.548 | 107 | 68288 | 49.548 | ng | | 95 |
| 18) Hexachloroethane | 9.200 | 117 | 30386 | 47.752 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.906 | 70 | 81619 | 54.487 | ng | # | 93 |
| 20) 3+4-Methylphenols | 8.877 | 107 | 89906 | 46.210 | ng | | 92 |
| 22) Acetophenone | 8.930 | 105 | 145235 | 52.864 | ng | # | 97 |
| 24) Nitrobenzene | 9.312 | 77 | 122794 | 51.763 | ng | | 92 |
| 25) Isophorone | 9.835 | 82 | 235534 | 56.818 | ng | | 99 |
| 26) 2-Nitrophenol | 10.028 | 139 | 51924 | 52.344 | ng | | 87 |
| 27) 2,4-Dimethylphenol | 10.087 | 122 | 86002 | 60.535 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.316 | 93 | 124131 | 53.300 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.569 | 162 | 97126 | 54.381 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.780 | 180 | 96665 | 47.821 | ng | | 94 |
| 31) Naphthalene | 10.974 | 128 | 263590 | 49.891 | ng | | 99 |
| 32) Benzoic acid | 10.222 | 122 | 24701m | 28.325 | ng | | |
| 33) 4-Chloroaniline | 11.074 | 127 | 57674 | 25.491 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.256 | 225 | 65306 | 43.492 | ng | | 99 |
| 35) Caprolactam | 11.850 | 113 | 10191m | 16.188 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.196 | 107 | 115652 | 55.621 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.566 | 142 | 204224 | 52.239 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.789 | 142 | 198914 | 52.126 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.936 | 216 | 136703 | 49.475 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.919 | 237 | 124722 | 87.441 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.171 | 196 | 98589 | 51.752 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.248 | 196 | 107133 | 52.774 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.571 | 154 | 294116 | 50.202 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.612 | 162 | 232849 | 49.817 | ng | | 97 |
| 48) 2-Nitroaniline | 13.812 | 65 | 97109 | 54.746 | ng | | 93 |
| 49) Acenaphthylene | 14.458 | 152 | 409209 | 55.927 | ng | | 98 |
| 50) Dimethylphthalate | 14.182 | 163 | 345088 | 53.033 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.299 | 165 | 76098 | 56.058 | ng | # | 84 |
| 52) Acenaphthene | 14.798 | 154 | 302355m | 60.935 | ng | | |
| 53) 3-Nitroaniline | 14.634 | 138 | 43911 | 30.591 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 14.845 | 184 | 97484 | 112.863 | ng | # | 88 |
| 55) Dibenzofuran | 15.133 | 168 | 403236 | 51.899 | ng | | 97 |
| 56) 4-Nitrophenol | 14.945 | 139 | 72012 | 65.780 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 15.092 | 165 | 110692 | 57.275 | ng | # | 86 |
| 58) Fluorene | 15.779 | 166 | 336751 | 53.663 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.362 | 232 | 105192 | 53.358 | ng | | 98 |
| 60) Diethylphthalate | 15.539 | 149 | 362158 | 53.120 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.768 | 204 | 187156 | 52.612 | ng | | 97 |
| 62) 4-Nitroaniline | 15.797 | 138 | 78262 | 51.669 | ng | # | 81 |
| 63) Azobenzene | 16.061 | 77 | 359668 | 52.325 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.862 | 198 | 68499 | 46.914 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.979 | 169 | 303093 | 50.362 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.661 | 248 | 135588 | 50.562 | ng | | 98 |
| 68) Hexachlorobenzene | 16.790 | 284 | 151352 | 52.117 | ng | | 94 |
| 69) Atrazine | 16.925 | 200 | 134692 | 57.295 | ng | | 95 |
| 70) Pentachlorophenol | 17.136 | 266 | 176529 | 111.224 | ng | | 89 |
| 71) Phenanthrene | 17.524 | 178 | 597176 | 52.240 | ng | | 98 |
| 72) Anthracene | 17.612 | 178 | 589736 | 52.074 | ng | | 99 |
| 73) Carbazole | 17.883 | 167 | 541759 | 49.213 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.429 | 149 | 635362 | 50.889 | ng | | 99 |
| 75) Fluoranthene | 19.527 | 202 | 734010 | 50.093 | ng | | 99 |
| 77) Benzidine | 19.704 | 184 | 210476 | 37.001 | ng | | 98 |
| 78) Pyrene | 19.892 | 202 | 740145 | 52.126 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.761 | 149 | 278295 | 52.572 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.742 | 228 | 725069 | 53.191 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.648 | 252 | 175025 | 34.913 | ng | | 99 |
| 83) Chrysene | 21.813 | 228 | 661126 | 52.259 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.636 | 149 | 386314 | 53.989 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.864 | 149 | 656894 | 54.891 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.838 | 276 | 821422 | 52.866 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 24.015 | 252 | 771864 | 58.495 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.086 | 252 | 703944 | 54.280 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.908 | 252 | 719427 | 63.998 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.903 | 278 | 712657 | 55.727 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.025 | 276 | 711364 | 56.436 | ng | | 98 |

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

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