Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021605.D
Acq On : 21 Aug 2024 20:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 00:21:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.804 | 152 | 348254 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.592 | 136 | 1478543 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.451 | 164 | 1017830 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 2274282 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.727 | 240 | 2232322 | 20.000 | ng | | 0.03 |
| 86) Perylene-d12 | 25.168 | 264 | 2558900 | 20.000 | ng | | 0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.399 | 112 | 1621106 | 69.120 | ng | | 0.00 |
| 7) Phenol-d6 | 6.969 | 99 | 2321677 | 67.859 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.945 | 82 | 2118989 | 73.973 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.963 | 330 | 926182 | 81.760 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.063 | 172 | 4260648 | 63.885 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.992 | 244 | 7621960 | 66.332 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 342175 | 30.769 | ng | | 97 |
| 3) Pyridine | 3.710 | 79 | 954727 | 30.753 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.616 | 42 | 307445 | 32.948 | ng | | 89 |
| 6) Aniline | 7.128 | 93 | 1059742 | 30.983 | ng | | 97 |
| 8) 2-Chlorophenol | 7.369 | 128 | 779515 | 35.965 | ng | | 96 |
| 9) Benzaldehyde | 6.946 | 77 | 857531m | 39.146 | ng | | |
| 10) Phenol | 6.993 | 94 | 1171711 | 33.072 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.228 | 93 | 923185 | 30.795 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.693 | 146 | 872123 | 33.875 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.840 | 146 | 874378 | 33.634 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.151 | 146 | 830186 | 33.138 | ng | | 99 |
| 15) Benzyl Alcohol | 8.034 | 79 | 808570 | 32.938 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328 | 45 | 843622 | 30.558 | ng | | 99 |
| 17) 2-Methylphenol | 8.240 | 107 | 766666 | 34.230 | ng | | 97 |
| 18) Hexachloroethane | 8.881 | 117 | 355573 | 34.109 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.604 | 70 | 688255 | 29.122 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.563 | 107 | 1081424 | 35.808 | ng | | 99 |
| 22) Acetophenone | 8.616 | 105 | 1441780 | 31.741 | ng | # | 98 |
| 24) Nitrobenzene | 8.992 | 77 | 1087363 | 34.950 | ng | | 93 |
| 25) Isophorone | 9.522 | 82 | 2027003 | 29.953 | ng | | 97 |
| 26) 2-Nitrophenol | 9.704 | 139 | 392016 | 49.539 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.763 | 122 | 570782 | 34.177 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.998 | 93 | 1268957 | 30.719 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.234 | 162 | 742930 | 37.650 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.451 | 180 | 819134 | 32.379 | ng | | 99 |
| 31) Naphthalene | 10.645 | 128 | 2569993 | 33.273 | ng | | 100 |
| 32) Benzoic acid | 9.892 | 122 | 649715 | 55.739 | ng | | 94 |
| 33) 4-Chloroaniline | 10.739 | 127 | 989542 | 34.106 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.934 | 225 | 510832 | 32.069 | ng | | 99 |
| 35) Caprolactam | 11.522 | 113 | 321099 | 39.094 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.869 | 107 | 1031570 | 37.686 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.257 | 142 | 1762919 | 33.442 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.475 | 142 | 1741117 | 33.488 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216 | 951023 | 31.889 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.610 | 237 | 391947 | 41.468 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.863 | 196 | 637527 | 38.484 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.939 | 196 | 735797 | 39.977 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.275 | 154 | 2377634 | 33.017 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.316 | 162 | 1855235 | 33.091 | ng | | 99 |
| 48) 2-Nitroaniline | 13.504 | 65 | 621364 | 40.451 | ng | | 89 |
| 49) Acenaphthylene | 14.169 | 152 | 2767767 | 33.582 | ng | | 100 |
| 50) Dimethylphthalate | 13.898 | 163 | 2373805 | 34.826 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.016 | 165 | 546313 | 40.414 | ng | | 94 |
| 52) Acenaphthene | 14.516 | 154 | 1885571 | 34.868 | ng | | 99 |
| 53) 3-Nitroaniline | 14.345 | 138 | 563764 | 42.223 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.551 | 184 | 240526 | 58.683 | ng | | 92 |
| 55) Dibenzofuran | 14.857 | 168 | 2814707 | 33.836 | ng | | 98 |
| 56) 4-Nitrophenol | 14.657 | 139 | 498909 | 46.409 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 14.816 | 165 | 754870 | 43.666 | ng | | 88 |
| 58) Fluorene | 15.516 | 166 | 2333529 | 34.146 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232 | 632934 | 40.515 | ng | | 97 |
| 60) Diethylphthalate | 15.286 | 149 | 2477113 | 35.419 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204 | 1163121 | 32.926 | ng | | 99 |
| 62) 4-Nitroaniline | 15.533 | 138 | 600284 | 43.491 | ng | | 96 |
| 63) Azobenzene | 15.822 | 77 | 2708951 | 31.510 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 364711 | 52.081 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 2005903 | 32.912 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 771504 | 32.052 | ng | | 96 |
| 68) Hexachlorobenzene | 16.551 | 284 | 926915 | 32.586 | ng | | 95 |
| 69) Atrazine | 16.716 | 200 | 559427 | 26.735 | ng | | 99 |
| 70) Pentachlorophenol | 16.898 | 266 | 638427 | 41.121 | ng | | 99 |
| 71) Phenanthrene | 17.298 | 178 | 3655872 | 33.425 | ng | | 99 |
| 72) Anthracene | 17.398 | 178 | 3629923 | 33.840 | ng | | 100 |
| 73) Carbazole | 17.674 | 167 | 3620666 | 35.024 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.274 | 149 | 4587273 | 36.133 | ng | | 100 |
| 75) Fluoranthene | 19.386 | 202 | 4771962 | 35.558 | ng | | 100 |
| 77) Benzidine | 19.580 | 184 | 1264144 | 24.670 | ng | | 99 |
| 78) Pyrene | 19.763 | 202 | 5006901 | 34.315 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.715 | 149 | 2111596 | 38.872 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.704 | 228 | 4811835 | 34.337 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.615 | 252 | 1645899 | 36.632 | ng | | 98 |
| 83) Chrysene | 21.774 | 228 | 4516819 | 34.138 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.662 | 149 | 3238767 | 39.103 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.980 | 149 | 5488417 | 38.758 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 29.091 | 276 | 5544258m | 33.425 | ng | | |
| 88) Benzo(b)fluoranthene | 24.086 | 252 | 5013771 | 34.116 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.162 | 252 | 4749643 | 33.130 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.015 | 252 | 4342599 | 34.050 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.168 | 278 | 4589914 | 33.304 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.268 | 276 | 4644324 | 33.622 | ng | | 99 |

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

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