Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091322\
Data File : BP011685.D
Acq On : 13 Sep 2022 14:21
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/14/2022
Supervised By :Jagrut Upadhyay 09/14/2022

Quant Time: Sep 13 15:11:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 13 14:11:58 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.952 | 152 | 409630 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.769 | 136 | 1538962 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.592 | 164 | 888074 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.351 | 188 | 1764124 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 1642517 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 23.892 | 264 | 1621677 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.511 | 112 | 3594775 | 155.206 | ng | 0.00 |
| 7) Phenol-d6 | 7.116 | 99 | 4681147 | 152.743 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.122 | 82 | 4196846 | 167.397 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.086 | 330 | 1303322 | 129.892 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.222 | 172 | 8672484 | 139.647 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.904 | 244 | 11237087 | 143.292 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.393 | 88 | 761363 | 83.526 | ng | # 79 |
| 3) Pyridine | 3.799 | 79 | 2276150m | 91.702 | ng | |
| 4) n-Nitrosodimethylamine | 3.705 | 42 | 800408 | 77.214 | ng | # 36 |
| 6) Aniline | 7.281 | 93 | 2887892 | 82.024 | ng | 89 |
| 8) 2-Chlorophenol | 7.516 | 128 | 2067003 | 78.049 | ng | 90 |
| 9) Benzaldehyde | 7.093 | 77 | 1313772m | 73.025 | ng | |
| 10) Phenol | 7.140 | 94 | 2620949 | 81.780 | ng | 81 |
| 11) bis(2-Chloroethyl)ether | 7.375 | 93 | 1969573 | 78.193 | ng | 91 |
| 12) 1,3-Dichlorobenzene | 7.840 | 146 | 2223578 | 73.397 | ng | # 93 |
| 13) 1,4-Dichlorobenzene | 7.993 | 146 | 2270659 | 73.521 | ng | 97 |
| 14) 1,2-Dichlorobenzene | 8.310 | 146 | 2144207 | 73.093 | ng | 97 |
| 15) Benzyl Alcohol | 8.199 | 79 | 1684379 | 82.176 | ng | # 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.487 | 45 | 2393136 | 73.713 | ng | 90 |
| 17) 2-Methylphenol | 8.399 | 107 | 1705738 | 80.521 | ng | # 91 |
| 18) Hexachloroethane | 9.040 | 117 | 788120 | 75.789 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.775 | 70 | 1442231 | 80.809 | ng | # 78 |
| 20) 3+4-Methylphenols | 8.728 | 107 | 2354038 | 81.994 | ng | 92 |
| 22) Acetophenone | 8.781 | 105 | 2895373 | 77.835 | ng | # 85 |
| 24) Nitrobenzene | 9.163 | 77 | 2158916 | 83.389 | ng | # 87 |
| 25) Isophorone | 9.699 | 82 | 3756093 | 83.098 | ng | # 94 |
| 26) 2-Nitrophenol | 9.875 | 139 | 1028163 | 105.906 | ng | # 79 |
| 27) 2,4-Dimethylphenol | 9.934 | 122 | 1613136 | 82.307 | ng | 89 |
| 28) bis(2-Chloroethoxy)met... | 10.175 | 93 | 2296919 | 81.235 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.410 | 162 | 1817207 | 79.513 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.628 | 180 | 1902532 | 70.943 | ng | 98 |
| 31) Naphthalene | 10.816 | 128 | 6312475 | 76.703 | ng | 98 |
| 32) Benzoic acid | 10.099 | 122 | 1376784 | 119.934 | ng | # 87 |
| 33) 4-Chloroaniline | 10.928 | 127 | 2645257 | 81.477 | ng | # 91 |
| 34) Hexachlorobutadiene | 11.104 | 225 | 1062214 | 66.570 | ng | 98 |
| 35) Caprolactam | 11.740 | 113 | 609234 | 92.518 | ng | # 64 |
| 36) 4-Chloro-3-methylphenol | 12.045 | 107 | 1931238 | 85.759 | ng | 91 |
| 37) 2-Methylnaphthalene | 12.422 | 142 | 4265388 | 76.131 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.640 | 142 | 4148397 | 76.016 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.787 | 216 | 1913364 | 68.597 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 12.769 | 237 | 989628 | 75.050 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 13.028 | 196 | 1387104 | 83.099 | ng | 97 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 13.098 | 196 | 1535612 | 80.589 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 13.434 | 154 | 5068375 | 74.301 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 13.475 | 162 | 4039990 | 76.192 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.675 | 65 | 1244994 | 102.257 | ng | # | 77 |
| 49) | Acenaphthylene | 14.316 | 152 | 6434110 | 79.089 | ng | | 99 |
| 50) | Dimethylphthalate | 14.057 | 163 | 4968195 | 76.842 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 14.169 | 165 | 1100557 | 88.069 | ng | # | 83 |
| 52) | Acenaphthene | 14.663 | 154 | 4219321m | 80.111 | ng | | |
| 53) | 3-Nitroaniline | 14.504 | 138 | 1313147 | 94.744 | ng | | 86 |
| 54) | 2,4-Dinitrophenol | 14.704 | 184 | 580257 | 139.177 | ng | # | 81 |
| 55) | Dibenzofuran | 14.992 | 168 | 5979586 | 75.353 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.798 | 139 | 1092259 | 97.971 | ng | # | 71 |
| 57) | 2,4-Dinitrotoluene | 14.957 | 165 | 1488992 | 94.879 | ng | # | 81 |
| 58) | Fluorene | 15.645 | 166 | 4801025 | 73.885 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.216 | 232 | 1273787 | 79.208 | ng | | 97 |
| 60) | Diethylphthalate | 15.422 | 149 | 4979483 | 79.205 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.639 | 204 | 2251032 | 70.262 | ng | | 95 |
| 62) | 4-Nitroaniline | 15.669 | 138 | 1369797 | 97.337 | ng | # | 77 |
| 63) | Azobenzene | 15.933 | 77 | 4712339 | 84.308 | ng | | 87 |
| 65) | 4,6-Dinitro-2-methylph... | 15.722 | 198 | 799086 | 117.841 | ng | # | 84 |
| 66) | n-Nitrosodiphenylamine | 15.851 | 169 | 4194061 | 78.158 | ng | | 97 |
| 67) | 4-Bromophenyl-phenylether | 16.533 | 248 | 1368225 | 71.362 | ng | | 98 |
| 68) | Hexachlorobenzene | 16.651 | 284 | 1492886 | 65.984 | ng | | 97 |
| 69) | Atrazine | 16.810 | 200 | 1368444 | 85.786 | ng | | 96 |
| 70) | Pentachlorophenol | 16.992 | 266 | 1009160 | 82.049 | ng | | 99 |
| 71) | Phenanthrene | 17.392 | 178 | 7564562 | 76.847 | ng | | 97 |
| 72) | Anthracene | 17.486 | 178 | 7370088 | 79.034 | ng | | 97 |
| 73) | Carbazole | 17.751 | 167 | 7071804 | 81.967 | ng | | 98 |
| 74) | Di-n-butylphthalate | 18.304 | 149 | 8285784 | 85.076 | ng | | 98 |
| 75) | Fluoranthene | 19.351 | 202 | 8489991 | 78.237 | ng | | 93 |
| 77) | Benzidine | 19.527 | 184 | 2617264 | 83.365 | ng | | 98 |
| 78) | Pyrene | 19.704 | 202 | 8644990 | 79.184 | ng | | 96 |
| 80) | Butylbenzylphthalate | 20.574 | 149 | 3891709 | 101.911 | ng | | 93 |
| 81) | Benzo(a)anthracene | 21.416 | 228 | 8395510 | 77.865 | ng | | 94 |
| 82) | 3,3'-Dichlorobenzidine | 21.345 | 252 | 2752500 | 78.257 | ng | | 99 |
| 83) | Chrysene | 21.474 | 228 | 7941404 | 77.841 | ng | | 96 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.333 | 149 | 5340644 | 90.820 | ng | | 98 |
| 85) | Di-n-octyl phthalate | 22.286 | 149 | 9215549 | 93.201 | ng | # | 90 |
| 87) | Indeno(1,2,3-cd)pyrene | 26.492 | 276 | 9888644 | 80.137 | ng | # | 92 |
| 88) | Benzo(b)fluoranthene | 23.145 | 252 | 8274315 | 81.331 | ng | # | 97 |
| 89) | Benzo(k)fluoranthene | 23.198 | 252 | 8261370 | 78.715 | ng | # | 96 |
| 90) | Benzo(a)pyrene | 23.786 | 252 | 7017761 | 83.484 | ng | # | 95 |
| 91) | Dibenzo(a,h)anthracene | 26.515 | 278 | 8092439 | 78.175 | ng | # | 95 |
| 92) | Benzo(g,h,i)perylene | 27.286 | 276 | 8061719 | 81.006 | ng | # | 92 |

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

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