Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111222\
Data File : BP012634.D
Acq On : 12 Nov 2022 23:39
Operator : CG/JU
Sample : N5502-02MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
2182MSD

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

Quant Time: Nov 14 03:23:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 13 22:44:57 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.710 | 152 | 284708 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.510 | 136 | 1212692 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.369 | 164 | 790932 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.134 | 188 | 1683976 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.239 | 240 | 1671563 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.580 | 264 | 1695861 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.305 | 112 | 2321629 | 151.841 | ng | | 0.00 |
| 7) Phenol-d6 | 6.905 | 99 | 2899177 | 136.604 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 2022375 | 92.520 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.875 | 330 | 1670473 | 154.712 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.987 | 172 | 4545359 | 87.242 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.710 | 244 | 7299973 | 88.475 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.211 | 88 | 287922 | 43.894 | ng | # | 55 |
| 3) Pyridine | 3.617 | 79 | 637282 | 33.329 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.522 | 42 | 339208 | 47.925 | ng | | 98 |
| 6) Aniline | 7.052 | 93 | 709526 | 26.420 | ng | | 98 |
| 8) 2-Chlorophenol | 7.281 | 128 | 1031180 | 53.253 | ng | | 100 |
| 9) Benzaldehyde | 6.863 | 77 | 471124 | 35.194 | ng | | 98 |
| 10) Phenol | 6.928 | 94 | 1138939 | 47.501 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.152 | 93 | 974228 | 49.136 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.599 | 146 | 947956 | 44.428 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.746 | 146 | 975039 | 44.649 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.058 | 146 | 957465 | 46.075 | ng | | 99 |
| 15) Benzyl Alcohol | 7.969 | 79 | 865314m | 54.477 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.252 | 45 | 1185250 | 46.030 | ng | | 100 |
| 17) 2-Methylphenol | 8.175 | 107 | 854279 | 51.709 | ng | | 99 |
| 18) Hexachloroethane | 8.781 | 117 | 344956 | 44.171 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.534 | 70 | 738259 | 47.919 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.505 | 107 | 1157376 | 49.844 | ng | | 99 |
| 22) Acetophenone | 8.552 | 105 | 1505545 | 49.850 | ng | # | 100 |
| 24) Nitrobenzene | 8.928 | 77 | 1109999 | 48.777 | ng | | 99 |
| 25) Isophorone | 9.457 | 82 | 2137438 | 52.051 | ng | | 100 |
| 26) 2-Nitrophenol | 9.634 | 139 | 565801 | 51.801 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.704 | 122 | 934544 | 57.271 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.934 | 93 | 1347045 | 52.941 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.169 | 162 | 1018674 | 52.698 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.375 | 180 | 969897 | 46.299 | ng | | 99 |
| 31) Naphthalene | 10.557 | 128 | 3004564 | 45.606 | ng | | 100 |
| 32) Benzoic acid | 9.899 | 122 | 731140 | 44.088 | ng | | 97 |
| 33) 4-Chloroaniline | 10.693 | 127 | 413920 | 15.063 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.834 | 225 | 587986 | 44.364 | ng | | 100 |
| 35) Caprolactam | 11.522 | 113 | 274085m | 42.421 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.828 | 107 | 1125709 | 51.595 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.181 | 142 | 2206391 | 46.723 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.398 | 142 | 2104478 | 45.548 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.546 | 216 | 1170912 | 49.684 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.516 | 237 | 1284262 | 105.060 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 839863 | 50.733 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 928574 | 50.252 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.198 | 154 | 2868686 | 48.976 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.240 | 162 | 2233771 | 48.589 | ng | 98 |
| 48) 2-Nitroaniline | 13.469 | 65 | 724059 | 52.076 | ng | 99 |
| 49) Acenaphthylene | 14.092 | 152 | 3546889 | 48.586 | ng | 100 |
| 50) Dimethylphthalate | 13.845 | 163 | 2988293 | 47.809 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.969 | 165 | 672882 | 50.481 | ng | 98 |
| 52) Acenaphthene | 14.434 | 154 | 2107939 | 47.438 | ng | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 474433 | 33.072 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 807440 | 85.023 | ng | 98 |
| 55) Dibenzofuran | 14.775 | 168 | 3312015 | 47.158 | ng | 100 |
| 56) 4-Nitrophenol | 14.634 | 139 | 1096018 | 91.929 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.763 | 165 | 881989 | 51.342 | ng | 99 |
| 58) Fluorene | 15.428 | 166 | 2578553 | 46.510 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.004 | 232 | 813190 | 47.782 | ng | 100 |
| 60) Diethylphthalate | 15.210 | 149 | 2963345 | 47.359 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.422 | 204 | 1314337 | 47.828 | ng | 99 |
| 62) 4-Nitroaniline | 15.475 | 138 | 645068 | 43.225 | ng | 97 |
| 63) Azobenzene | 15.716 | 77 | 2669099 | 47.586 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198 | 501220 | 43.808 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.645 | 169 | 2355630 | 47.423 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.322 | 248 | 937962 | 49.549 | ng | 99 |
| 68) Hexachlorobenzene | 16.428 | 284 | 1123144 | 49.706 | ng | 99 |
| 69) Atrazine | 16.610 | 200 | 925365 | 53.426 | ng | 99 |
| 70) Pentachlorophenol | 16.786 | 266 | 1403930 | 100.725 | ng | 98 |
| 71) Phenanthrene | 17.181 | 178 | 4348252 | 46.842 | ng | 99 |
| 72) Anthracene | 17.269 | 178 | 4373807 | 49.110 | ng | 100 |
| 73) Carbazole | 17.551 | 167 | 4116665 | 49.360 | ng | 100 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 5215728 | 50.078 | ng | 100 |
| 75) Fluoranthene | 19.157 | 202 | 5225127 | 48.029 | ng | 99 |
| 77) Benzidine | 19.345 | 184 | 386535 | 10.481 | ng | 99 |
| 78) Pyrene | 19.510 | 202 | 5390062 | 46.742 | ng | 100 |
| 80) Butylbenzylphthalate | 20.386 | 149 | 2443293 | 50.027 | ng | 99 |
| 81) Benzo(a)anthracene | 21.222 | 228 | 5212226 | 46.633 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.163 | 252 | 1477139 | 38.701 | ng | 99 |
| 83) Chrysene | 21.274 | 228 | 4864098 | 45.657 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.145 | 149 | 3414498 | 51.117 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.051 | 149 | 5874103 | 52.131 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 26.015 | 276 | 5814963 | 48.387 | ng | 99 |
| 88) Benzo(b)fluoranthene | 22.869 | 252 | 5716275 | 52.394 | ng | 99 |
| 89) Benzo(k)fluoranthene | 22.916 | 252 | 5245111 | 49.271 | ng | 99 |
| 90) Benzo(a)pyrene | 23.480 | 252 | 4752186 | 53.340 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 26.027 | 278 | 5006708 | 49.843 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.762 | 276 | 4878414 | 49.737 | ng | 99 |

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

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