Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
Data File : BF130517.D
Acq On : 04 Oct 2022 14:40
Operator : CG\JU
Sample : N4914-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 05 02:17:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 02:59:31 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
S1MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.633 | 152 | 81495 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.922 | 136 | 305728 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.663 | 164 | 137174 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.145 | 188 | 194309 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.780 | 240 | 162067 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.168 | 264 | 209306 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.257 | 112 | 702770 | 149.571 | ng | | 0.01 |
| 7) Phenol-d6 | 6.292 | 99 | 768547 | 130.728 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.204 | 82 | 589108 | 98.443 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.457 | 330 | 200216 | 152.326 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 8.998 | 172 | 994275 | 105.549 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.733 | 244 | 802700 | 82.044 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.404 | 88 | 131389 | 60.888 | ng | # | 84 |
| 3) Pyridine | 3.069 | 79 | 294814 | 52.374 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 2.993 | 42 | 136788 | 44.679 | ng | | 92 |
| 6) Aniline | 6.304 | 93 | 125954 | 17.388 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.422 | 128 | 279157 | 52.157 | ng | | 98 |
| 9) Benzaldehyde | 6.186 | 77 | 90513 | 22.984 | ng | | 91 |
| 10) Phenol | 6.304 | 94 | 852002 | 123.665 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.381 | 93 | 274626 | 55.264 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.575 | 146 | 298371 | 50.663 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.651 | 146 | 304665 | 50.729 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.804 | 146 | 288110 | 51.354 | ng | | 98 |
| 15) Benzyl Alcohol | 6.792 | 79 | 190995 | 40.975 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 6.916 | 45 | 345617 | 47.685 | ng | # | 35 |
| 17) 2-Methylphenol | 6.910 | 107 | 347089 | 79.774 | ng | | 95 |
| 18) Hexachloroethane | 7.139 | 117 | 120677 | 50.976 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.063 | 70 | 192813 | 48.604 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.069 | 107 | 601534 | 106.427 | ng | # | 55 |
| 22) Acetophenone | 7.057 | 105 | 405894 | 54.303 | ng | # | 98 |
| 24) Nitrobenzene | 7.222 | 77 | 300543 | 49.461 | ng | | 99 |
| 25) Isophorone | 7.469 | 82 | 528177 | 54.760 | ng | | 99 |
| 26) 2-Nitrophenol | 7.539 | 139 | 144806 | 58.134 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.592 | 122 | 324507 | 84.609 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.680 | 93 | 350625 | 64.559 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.792 | 162 | 206074 | 49.031 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.863 | 180 | 229859 | 50.585 | ng | | 97 |
| 31) Naphthalene | 7.951 | 128 | 5447693 | 345.869 | ng | | 97 |
| 32) Benzoic acid | 7.728 | 122 | 223044 | 75.201 | ng | # | 33 |
| 33) 4-Chloroaniline | 7.998 | 127 | 78482 | 13.101 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.057 | 225 | 146009 | 50.278 | ng | | 99 |
| 35) Caprolactam | 8.380 | 113 | 45840 | 38.045 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 8.492 | 107 | 214865 | 46.122 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.633 | 142 | 748827 | 74.566 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.727 | 142 | 657256 | 68.128 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.798 | 216 | 219655 | 58.676 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 8.780 | 237 | 175722 | 87.674 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.916 | 196 | 130177 | 49.826 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 8.963 | 196 | 137172 | 48.654 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.092 | 154 | 630440 | 61.538 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.116 | 162 | 448544 | 54.124 | ng | | 99 |
| 48) 2-Nitroaniline | 9.222 | 65 | 125771 | 45.502 | ng | | 95 |
| 49) Acenaphthylene | 9.527 | 152 | 823637 | 66.285 | ng | | 99 |
| 50) Dimethylphthalate | 9.404 | 163 | 466840 | 49.269 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.463 | 165 | 98865 | 49.890 | ng | | 90 |
| 52) Acenaphthene | 9.698 | 154 | 409007 | 50.099 | ng | | 98 |
| 53) 3-Nitroaniline | 9.633 | 138 | 41718 | 18.893 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.745 | 184 | 89853 | 83.305 | ng | | 88 |
| 55) Dibenzofuran | 9.874 | 168 | 637056 | 56.101 | ng | | 97 |
| 56) 4-Nitrophenol | 9.810 | 139 | 107796 | 67.025 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 9.869 | 165 | 123226 | 48.656 | ng | # | 93 |
| 58) Fluorene | 10.216 | 166 | 512499 | 55.186 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.998 | 232 | 99870 | 45.257 | ng | | 95 |
| 60) Diethylphthalate | 10.098 | 149 | 438365 | 46.134 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.210 | 204 | 207659 | 50.973 | ng | | 96 |
| 62) 4-Nitroaniline | 10.245 | 138 | 84661m | 38.166 | ng | | |
| 63) Azobenzene | 10.369 | 77 | 440783 | 45.050 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.274 | 198 | 57408 | 53.074 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.327 | 169 | 362496 | 55.827 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248 | 125489 | 58.543 | ng | | 94 |
| 68) Hexachlorobenzene | 10.757 | 284 | 139480 | 57.403 | ng | | 96 |
| 69) Atrazine | 10.863 | 200 | 86804 | 45.745 | ng | | 98 |
| 70) Pentachlorophenol | 10.963 | 266 | 115575 | 88.626 | ng | | 97 |
| 71) Phenanthrene | 11.174 | 178 | 685265 | 62.815 | ng | | 99 |
| 72) Anthracene | 11.221 | 178 | 590578 | 56.097 | ng | | 99 |
| 73) Carbazole | 11.386 | 167 | 700889 | 73.769 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.716 | 149 | 614223 | 53.610 | ng | | 99 |
| 75) Fluoranthene | 12.357 | 202 | 562081 | 53.320 | ng | | 98 |
| 77) Benzidine | 12.486 | 184 | 69111 | 14.690 | ng | | 99 |
| 78) Pyrene | 12.580 | 202 | 569931 | 40.199 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.210 | 149 | 260288 | 49.557 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.768 | 228 | 569679 | 52.839 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.739 | 252 | 138886 | 47.323 | ng | | 99 |
| 83) Chrysene | 13.804 | 228 | 546572 | 53.392 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.768 | 149 | 372294 | 61.883 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.380 | 149 | 701025 | 76.184 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.486 | 276 | 863420 | 58.171 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.780 | 252 | 757210 | 55.427 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.809 | 252 | 602169 | 44.809 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.115 | 252 | 613740 | 56.707 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.503 | 278 | 743130 | 61.031 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 16.886 | 276 | 732304 | 59.703 | ng | # | 95 |

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

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