Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043021\
Data File : BF123774.D
Acq On : 30 Apr 2021 17:16
Operator : JU/CG
Sample : M1458-08
Misc : LOQ-WATER-10PPM
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT1-2021

**Manual Integrations APPROVED**
mohammad
5/3/2021 10:50:06 AM

Quant Time: Apr 30 17:35:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 30 14:46:08 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.804 | 152 | 214096 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.092 | 136 | 785653 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.845 | 164 | 385193 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.333 | 188 | 747255 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 596486 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.433 | 264 | 478919 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 1203862 | 89.08 | ng | | 0.00 |
| 7) Phenol-d6 | 6.439 | 99 | 1635152 | 87.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 1062879 | 61.07 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 438010 | 91.34 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.169 | 172 | 1638459 | 61.95 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.921 | 244 | 1854826 | 59.88 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.510 | 88 | 45741 | 6.28 | ng | | 97 |
| 3) Pyridine | 3.263 | 79 | 174382 | 9.80 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.175 | 42 | 123535 | 12.60 | ng | | 94 |
| 6) Aniline | 6.469 | 93 | 294003 | 13.66 | ng | | 99 |
| 8) 2-Chlorophenol | 6.592 | 128 | 182436 | 12.55 | ng | | 100 |
| 9) Benzaldehyde | 6.351 | 77 | 166381 | 18.47 | ng | | 97 |
| 10) Phenol | 6.451 | 94 | 255226 | 12.76 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.539 | 93 | 187685 | 12.85 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.745 | 146 | 189574 | 12.91 | ng | | 93 |
| 13) 1,4-Dichlorobenzene | 6.822 | 146 | 189426 | 12.75 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.981 | 146 | 177439 | 12.30 | ng | | 96 |
| 15) Benzyl Alcohol | 6.945 | 79 | 187146 | 12.82 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 396562 | 12.77 | ng | | 99 |
| 17) 2-Methylphenol | 7.057 | 107 | 150562 | 12.15 | ng | | 97 |
| 18) Hexachloroethane | 7.322 | 117 | 73909 | 12.57 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.216 | 70 | 139610 | 12.15 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 197828 | 12.55 | ng | # | 76 |
| 22) Acetophenone | 7.210 | 105 | 273249 | 12.80 | ng | | 94 |
| 24) Nitrobenzene | 7.386 | 77 | 221136 | 12.20 | ng | | 97 |
| 25) Isophorone | 7.622 | 82 | 370481 | 11.35 | ng | | 99 |
| 26) 2-Nitrophenol | 7.704 | 139 | 89768 | 12.13 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.745 | 122 | 152801 | 13.15 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.839 | 93 | 220487 | 13.26 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.951 | 162 | 137990 | 12.05 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.034 | 180 | 154644 | 12.88 | ng | | 97 |
| 31) Naphthalene | 8.116 | 128 | 520172 | 12.86 | ng | | 99 |
| 32) Benzoic acid | 7.834 | 122 | 51242m | 7.01 | ng | | |
| 33) 4-Chloroaniline | 8.163 | 127 | 214371 | 12.70 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.233 | 225 | 89434 | 12.23 | ng | | 93 |
| 35) Caprolactam | 8.492 | 113 | 23840 | 5.93 | ng | # | 90 |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 174680 | 12.22 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.804 | 142 | 342160 | 12.98 | ng | | 94 |
| 38) 1-Methylnaphthalene | 8.904 | 142 | 309661 | 12.50 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.969 | 216 | 144714 | 12.77 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.963 | 237 | 48472 | 10.78 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.081 | 196 | 93765 | 12.01 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 96646 | 11.54 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.269 | 154 | 404967 | 12.83 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.292 | 162 | 306020 | 12.86 | ng | | 98 |
| 48) 2-Nitroaniline | 9.386 | 65 | 126327 | 12.05 | ng | | 96 |
| 49) Acenaphthylene | 9.710 | 152 | 500453 | 13.03 | ng | | 99 |
| 50) Dimethylphthalate | 9.563 | 163 | 345784 | 12.75 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.628 | 165 | 73610 | 11.74 | ng | | 96 |
| 52) Acenaphthene | 9.880 | 154 | 295235 | 12.62 | ng | | 98 |
| 53) 3-Nitroaniline | 9.792 | 138 | 89860 | 12.00 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 9.904 | 184 | 38760 | 11.64 | ng | | 95 |
| 55) Dibenzofuran | 10.051 | 168 | 447683 | 12.65 | ng | | 98 |
| 56) 4-Nitrophenol | 9.957 | 139 | 56859 | 10.42 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.027 | 165 | 100049 | 11.70 | ng | # | 86 |
| 58) Fluorene | 10.392 | 166 | 350992 | 12.91 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 69256 | 10.44 | ng | | 98 |
| 60) Diethylphthalate | 10.269 | 149 | 367374 | 12.72 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204 | 164938 | 13.01 | ng | | 97 |
| 62) 4-Nitroaniline | 10.404 | 138 | 87880 | 11.84 | ng | | 98 |
| 63) Azobenzene | 10.551 | 77 | 407578 | 12.28 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198 | 42232 | 9.12 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 305933 | 12.52 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248 | 102780 | 13.06 | ng | | 93 |
| 68) Hexachlorobenzene | 10.945 | 284 | 115540 | 12.90 | ng | | 94 |
| 69) Atrazine | 11.027 | 200 | 51944 | 7.03 | ng | | 97 |
| 70) Pentachlorophenol | 11.139 | 266 | 38131 | 8.35 | ng | | 98 |
| 71) Phenanthrene | 11.357 | 178 | 501209 | 12.79 | ng | | 99 |
| 72) Anthracene | 11.410 | 178 | 504210 | 12.94 | ng | | 99 |
| 73) Carbazole | 11.563 | 167 | 478438 | 12.15 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.898 | 149 | 564614 | 12.77 | ng | | 98 |
| 75) Fluoranthene | 12.545 | 202 | 537730 | 12.58 | ng | | 99 |
| 77) Benzidine | 12.669 | 184 | 156522 | 10.13 | ng | | 99 |
| 78) Pyrene | 12.774 | 202 | 547811 | 11.83 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.398 | 149 | 225612 | 11.41 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 445529 | 12.33 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 86731 | 7.81 | ng | # | 95 |
| 83) Chrysene | 14.004 | 228 | 445256 | 12.24 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 294590 | 11.99 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 465297 | 11.84 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.868 | 276 | 331268 | 11.88 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 391762 | 12.14 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 392670 | 12.75 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.368 | 252 | 348755 | 12.64 | ng | | 95 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 269347 | 11.44 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.303 | 276 | 264295 | 11.21 | ng | | 96 |

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

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