Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
Data File : BF140961.D
Acq On : 23 Dec 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 13:23:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 61135 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 219500 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 122112 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.374 | 188 | 222339 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 134875 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 144038 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 310519 | 83.614 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 393458 | 79.989 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 360941 | 82.270 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.680 | 330 | 112671 | 78.014 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 755529 | 85.064 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 735775 | 86.022 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.593 | 88 | 59611 | 37.265 | ng | | 97 |
| 3) Pyridine | 3.375 | 79 | 138053 | 37.266 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.334 | 42 | 68250 | 36.546 | ng | | 96 |
| 6) Aniline | 6.522 | 93 | 162833 | 38.717 | ng | | 95 |
| 8) 2-Chlorophenol | 6.645 | 128 | 164578 | 40.638 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 96199 | 35.296 | ng | | 98 |
| 10) Phenol | 6.516 | 94 | 202012 | 39.625 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 154671 | 40.682 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 191724 | 41.546 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 191959 | 40.980 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 184256 | 41.690 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 140053 | 39.822 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 176332 | 39.371 | ng | | 85 |
| 17) 2-Methylphenol | 7.122 | 107 | 129035 | 39.908 | ng | | 98 |
| 18) Hexachloroethane | 7.357 | 117 | 68878 | 39.498 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 113462 | 38.454 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 173324 | 40.426 | ng | # | 85 |
| 22) Acetophenone | 7.263 | 105 | 233626 | 42.548 | ng | | 95 |
| 24) Nitrobenzene | 7.439 | 77 | 183431 | 40.811 | ng | | 96 |
| 25) Isophorone | 7.675 | 82 | 301414 | 41.003 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 88301 | 42.656 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 100833 | 41.709 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 191575 | 41.726 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 142754 | 42.771 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 165052 | 43.138 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 504908 | 41.875 | ng | | 100 |
| 32) Benzoic acid | 7.945 | 122 | 88707 | 38.690 | ng | | 97 |
| 33) 4-Chloroaniline | 8.210 | 127 | 162948 | 40.690 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 110624 | 42.974 | ng | | 99 |
| 35) Caprolactam | 8.592 | 113 | 38139 | 38.383 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 149244 | 39.729 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 327151 | 41.017 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 323764 | 41.045 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 167089 | 44.518 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.986 | 237 | 22091 | 28.993 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 94594 | 41.160 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 99644 | 39.447 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 416413 | 42.884 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 318010 | 42.810 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 88554 | 39.472 | ng | 94 |
| 49) Acenaphthylene | 9.745 | 152 | 465833 | 42.672 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 350137 | 40.670 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 80680 | 40.993 | ng | 91 |
| 52) Acenaphthene | 9.916 | 154 | 297912 | 42.722 | ng | 99 |
| 53) 3-Nitroaniline | 9.851 | 138 | 77647 | 39.755 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 31040 | 36.222 | ng | 96 |
| 55) Dibenzofuran | 10.092 | 168 | 447317 | 41.397 | ng | 98 |
| 56) 4-Nitrophenol | 10.057 | 139 | 14441m | 17.424 | ng | |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 105506 | 40.743 | ng | 98 |
| 58) Fluorene | 10.433 | 166 | 361115 | 40.509 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 81536 | 39.612 | ng | 95 |
| 60) Diethylphthalate | 10.298 | 149 | 358822 | 40.193 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 186101 | 41.560 | ng | 97 |
| 62) 4-Nitroaniline | 10.469 | 138 | 77257m | 37.852 | ng | |
| 63) Azobenzene | 10.580 | 77 | 327136 | 38.978 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 52517 | 41.684 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 303009 | 44.326 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 109503 | 44.024 | ng | 99 |
| 68) Hexachlorobenzene | 10.986 | 284 | 124414 | 44.116 | ng | 99 |
| 69) Atrazine | 11.069 | 200 | 72623 | 38.039 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 39039 | 37.863 | ng | 99 |
| 71) Phenanthrene | 11.398 | 178 | 487215 | 42.612 | ng | 100 |
| 72) Anthracene | 11.451 | 178 | 471444 | 41.869 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 437469 | 39.666 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 528355 | 40.820 | ng | 99 |
| 75) Fluoranthene | 12.592 | 202 | 514230 | 39.052 | ng | 99 |
| 77) Benzidine | 12.721 | 184 | 92303 | 33.531 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 516160 | 43.035 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 175903 | 39.859 | ng | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 392086 | 41.017 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 125869 | 43.644 | ng | 97 |
| 83) Chrysene | 14.057 | 228 | 366916 | 42.211 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 232385 | 40.838 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.615 | 149 | 367492 | 42.687 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 481277 | 53.544 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 364595 | 36.465 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 365859m | 42.658 | ng | |
| 90) Benzo(a)pyrene | 15.474 | 252 | 337440 | 43.101 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.051 | 278 | 402396 | 54.038 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 390342 | 51.504 | ng | 99 |

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

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