Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111622\
Data File : BF131260.D
Acq On : 16 Nov 2022 12:23
Operator : CG\JU
Sample : PB148898BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 16 22:13:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 06:35:36 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB148898BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.975 | 152 | 95509 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.269 | 136 | 347686 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.033 | 164 | 197310 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.527 | 188 | 366898 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.186 | 240 | 252563 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.727 | 264 | 191277 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.592 | 112 | 733138 | 135.925 | ng | | 0.02 |
| 7) Phenol-d6 | 6.592 | 99 | 918507 | 134.452 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.545 | 82 | 591766 | 95.534 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.827 | 330 | 264406 | 140.289 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.351 | 172 | 1106026 | 82.032 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.127 | 244 | 1358916 | 92.398 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.887 | 88 | 91140 | 36.882 | ng | | 98 |
| 3) Pyridine | 3.628 | 79 | 240427 | 34.422 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.604 | 42 | 179714 | 44.144 | ng | | 96 |
| 6) Aniline | 6.634 | 93 | 247238m | 28.853 | ng | | |
| 8) 2-Chlorophenol | 6.757 | 128 | 269894 | 44.514 | ng | | 99 |
| 9) Benzaldehyde | 6.522 | 77 | 48390 | 9.765 | ng | | 95 |
| 10) Phenol | 6.604 | 94 | 321923 | 42.124 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.710 | 93 | 252994 | 42.280 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.916 | 146 | 286887 | 41.824 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.992 | 146 | 288387 | 41.572 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.145 | 146 | 281043 | 43.833 | ng | | 99 |
| 15) Benzyl Alcohol | 7.116 | 79 | 216393m | 36.467 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 7.245 | 45 | 488372 | 43.331 | ng | | 100 |
| 17) 2-Methylphenol | 7.222 | 107 | 225436 | 43.553 | ng | | 98 |
| 18) Hexachloroethane | 7.492 | 117 | 109721 | 43.507 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.392 | 70 | 201333 | 42.294 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.375 | 107 | 281046 | 41.976 | ng | # | 88 |
| 22) Acetophenone | 7.386 | 105 | 388003 | 42.811 | ng | # | 99 |
| 24) Nitrobenzene | 7.563 | 77 | 304446 | 45.528 | ng | | 98 |
| 25) Isophorone | 7.798 | 82 | 542768 | 43.861 | ng | | 98 |
| 26) 2-Nitrophenol | 7.881 | 139 | 121688 | 45.647 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.910 | 122 | 276784 | 54.644 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 8.010 | 93 | 310943 | 44.567 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.116 | 162 | 230507 | 42.081 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.204 | 180 | 264080 | 41.119 | ng | | 99 |
| 31) Naphthalene | 8.286 | 128 | 746946 | 39.653 | ng | | 98 |
| 32) Benzoic acid | 8.028 | 122 | 142380m | 40.080 | ng | | |
| 33) 4-Chloroaniline | 8.333 | 127 | 93788 | 12.648 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.404 | 225 | 168645 | 41.490 | ng | | 98 |
| 35) Caprolactam | 8.704 | 113 | 73405m | 45.346 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.816 | 107 | 249172 | 43.215 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.986 | 142 | 505084 | 40.260 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.086 | 142 | 477413 | 39.245 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.145 | 216 | 261117 | 41.102 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.133 | 237 | 334084 | 102.602 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.257 | 196 | 150936 | 36.340 | ng | | 99 |

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Misc :
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Quant Time: Nov 16 22:13:17 2022
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.298 | 196 | 198893 | 44.624 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.451 | 154 | 634132 | 41.807 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.475 | 162 | 501204 | 40.790 | ng | | 99 |
| 48) 2-Nitroaniline | 9.569 | 65 | 180296 | 45.919 | ng | | 97 |
| 49) Acenaphthylene | 9.898 | 152 | 770644 | 41.072 | ng | | 99 |
| 50) Dimethylphthalate | 9.751 | 163 | 586890 | 41.538 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.816 | 165 | 126755 | 45.876 | ng | | 96 |
| 52) Acenaphthene | 10.069 | 154 | 519010 | 44.314 | ng | | 99 |
| 53) 3-Nitroaniline | 9.980 | 138 | 67545 | 24.254 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 10.092 | 184 | 108626 | 84.621 | ng | | 97 |
| 55) Dibenzofuran | 10.245 | 168 | 678292 | 40.422 | ng | | 99 |
| 56) 4-Nitrophenol | 10.139 | 139 | 181744 | 81.755 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.222 | 165 | 160002 | 46.634 | ng | | 94 |
| 58) Fluorene | 10.586 | 166 | 537587 | 40.713 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.351 | 232 | 163954 | 43.422 | ng | | 99 |
| 60) Diethylphthalate | 10.457 | 149 | 561502 | 42.043 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.580 | 204 | 270807 | 41.477 | ng | | 95 |
| 62) 4-Nitroaniline | 10.610 | 138 | 119845 | 41.386 | ng | | 97 |
| 63) Azobenzene | 10.739 | 77 | 572055 | 40.911 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.627 | 198 | 64663 | 40.651 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.698 | 169 | 474577 | 40.713 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.074 | 248 | 181967 | 42.240 | ng | # | 91 |
| 68) Hexachlorobenzene | 11.133 | 284 | 195299 | 41.832 | ng | | 96 |
| 69) Atrazine | 11.227 | 200 | 162557 | 42.545 | ng | | 97 |
| 70) Pentachlorophenol | 11.327 | 266 | 218257m | 80.096 | ng | | |
| 71) Phenanthrene | 11.557 | 178 | 809775 | 39.992 | ng | | 99 |
| 72) Anthracene | 11.610 | 178 | 835581 | 42.243 | ng | | 99 |
| 73) Carbazole | 11.763 | 167 | 736253 | 41.583 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.092 | 149 | 860411 | 41.755 | ng | | 100 |
| 75) Fluoranthene | 12.751 | 202 | 916521 | 41.042 | ng | | 99 |
| 77) Benzidine | 12.874 | 184 | 187141 | 34.577 | ng | | 98 |
| 78) Pyrene | 12.986 | 202 | 935783 | 42.982 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.604 | 149 | 345600 | 46.840 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.180 | 228 | 728159 | 41.484 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.139 | 252 | 164402 | 32.009 | ng | | 98 |
| 83) Chrysene | 14.215 | 228 | 685376 | 40.082 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.162 | 149 | 434718 | 46.847 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.792 | 149 | 598938 | 45.674 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.321 | 276 | 550707 | 43.581 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.274 | 252 | 578520 | 43.319 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.304 | 252 | 570999 | 43.130 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.668 | 252 | 488163 | 45.728 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.345 | 278 | 472400 | 45.566 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.803 | 276 | 450347 | 39.500 | ng | | 98 |

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

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