Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010324\
Data File : BG060232.D
Acq On : 3 Jan 2024 18:19
Operator : MA/JU
Sample : 05898-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-15-0-2MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 04 00:40:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 30 03:14:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.932 | 152 | 183110 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.740 | 136 | 795388 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.571 | 164 | 620980 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.321 | 188 | 1584291 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.592 | 240 | 1466327 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.759 | 264 | 1646666 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.505 | 112 | 1173565 | 96.735 | ng | 0.00 |
| 7) Phenol-d6 | 7.098 | 99 | 1723450 | 95.679 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.095 | 82 | 1021179 | 59.302 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.064 | 330 | 804429 | 96.774 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.196 | 172 | 2449656 | 56.696 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.941 | 244 | 3977395 | 52.147 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.408 | 88 | 211514 | 39.187 | ng | 95 |
| 3) Pyridine | 3.796 | 79 | 534546 | 34.920 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.713 | 42 | 237114 | 41.522 | ng | 96 |
| 6) Aniline | 7.256 | 93 | 612370 | 33.931 | ng | 97 |
| 8) 2-Chlorophenol | 7.497 | 128 | 564811 | 48.442 | ng | 95 |
| 9) Benzaldehyde | 7.074 | 77 | 170486 | 15.742 | ng | 92 |
| 10) Phenol | 7.127 | 94 | 887662 | 48.868 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 7.356 | 93 | 616985 | 41.975 | ng | 94 |
| 12) 1,3-Dichlorobenzene | 7.826 | 146 | 624559 | 43.393 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.967 | 146 | 643277 | 44.209 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.290 | 146 | 625320 | 43.958 | ng | 98 |
| 15) Benzyl Alcohol | 8.173 | 79 | 563578 | 50.407 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.461 | 45 | 802653 | 42.548 | ng | 98 |
| 17) 2-Methylphenol | 8.378 | 107 | 556874 | 48.960 | ng | 97 |
| 18) Hexachloroethane | 9.019 | 117 | 217720 | 47.509 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.737 | 70 | 520178 | 42.272 | ng | 95 |
| 20) 3+4-Methylphenols | 8.702 | 107 | 774772 | 48.062 | ng | 99 |
| 22) Acetophenone | 8.754 | 105 | 979723 | 41.574 | ng | 99 |
| 24) Nitrobenzene | 9.136 | 77 | 738887 | 41.938 | ng | 100 |
| 25) Isophorone | 9.659 | 82 | 1415599 | 39.292 | ng | 99 |
| 26) 2-Nitrophenol | 9.847 | 139 | 317018 | 51.564 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.906 | 122 | 487703 | 56.002 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.147 | 93 | 880219 | 41.714 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.382 | 162 | 663100 | 48.179 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.599 | 180 | 696114 | 41.555 | ng | 95 |
| 31) Naphthalene | 10.787 | 128 | 1785382 | 42.518 | ng | 99 |
| 32) Benzoic acid | 10.047 | 122 | 393136 | 49.977 | ng | 93 |
| 33) 4-Chloroaniline | 10.899 | 127 | 396911 | 24.203 | ng | 98 |
| 34) Hexachlorobutadiene | 11.069 | 225 | 394295 | 39.575 | ng | 99 |
| 35) Caprolactam | 11.669 | 113 | 230971m | 50.449 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.021 | 107 | 676445 | 47.756 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.397 | 142 | 1288996 | 42.498 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.615 | 142 | 1301996 | 42.458 | ng | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.767 | 216 | 859343 | 43.202 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.744 | 237 | 836781 | 130.150 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 13.002 | 196 | 602680 | 46.107 | ng | 96 |

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|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.079 | 196 | 690328 | 47.210 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.408 | 154 | 1991670 | 43.593 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.449 | 162 | 1654007 | 42.492 | ng | 99 |
| 48) 2-Nitroaniline | 13.655 | 65 | 512661 | 50.397 | ng | 98 |
| 49) Acenaphthylene | 14.295 | 152 | 2650023 | 47.251 | ng | 99 |
| 50) Dimethylphthalate | 14.031 | 163 | 2064712 | 43.065 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.148 | 165 | 463806 | 46.510 | ng | 98 |
| 52) Acenaphthene | 14.642 | 154 | 1514524 | 43.275 | ng | 99 |
| 53) 3-Nitroaniline | 14.483 | 138 | 332148 | 35.348 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.683 | 184 | 586117 | 98.774 | ng | 96 |
| 55) Dibenzofuran | 14.971 | 168 | 2604849 | 44.433 | ng | 98 |
| 56) 4-Nitrophenol | 14.789 | 139 | 788263 | 110.980 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.935 | 165 | 666055 | 49.119 | ng | 99 |
| 58) Fluorene | 15.623 | 166 | 2155048 | 44.821 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.200 | 232 | 622988 | 48.880 | ng | 99 |
| 60) Diethylphthalate | 15.394 | 149 | 2032404 | 44.452 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.611 | 204 | 1077264 | 43.028 | ng | 98 |
| 62) 4-Nitroaniline | 15.646 | 138 | 482260 | 48.695 | ng | 94 |
| 63) Azobenzene | 15.911 | 77 | 2104488 | 44.397 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.699 | 198 | 391324 | 49.364 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.829 | 169 | 1892636 | 44.333 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.510 | 248 | 694960 | 41.374 | ng | 96 |
| 68) Hexachlorobenzene | 16.628 | 284 | 820654 | 41.671 | ng | 99 |
| 69) Atrazine | 16.780 | 200 | 763393 | 48.653 | ng | 98 |
| 70) Pentachlorophenol | 16.968 | 266 | 1012242 | 93.564 | ng | 100 |
| 71) Phenanthrene | 17.368 | 178 | 3459408 | 44.176 | ng | 99 |
| 72) Anthracene | 17.456 | 178 | 3491099 | 44.881 | ng | 98 |
| 73) Carbazole | 17.726 | 167 | 3215510 | 43.584 | ng | 98 |
| 74) Di-n-butylphthalate | 18.284 | 149 | 3382820 | 47.315 | ng | 98 |
| 75) Fluoranthene | 19.377 | 202 | 3908333 | 42.548 | ng | 97 |
| 77) Benzidine | 19.559 | 184 | 1181915 | 29.123 | ng | 98 |
| 78) Pyrene | 19.742 | 202 | 4073614 | 41.328 | ng | 97 |
| 80) Butylbenzylphthalate | 20.629 | 149 | 1631030 | 56.119 | ng | 97 |
| 81) Benzo(a)anthracene | 21.569 | 228 | 4091480 | 43.886 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.487 | 252 | 1132136 | 33.394 | ng | 98 |
| 83) Chrysene | 21.633 | 228 | 3855333 | 42.565 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.481 | 149 | 2447001 | 55.519 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.673 | 149 | 4080708 | 56.561 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.384 | 276 | 5254617 | 45.262 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.755 | 252 | 4347281 | 43.932 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.825 | 252 | 4219376 | 42.364 | ng | 99 |
| 90) Benzo(a)pyrene | 24.618 | 252 | 3942613 | 44.038 | ng | 97 |
| 91) Dibenzo(a,h)anthracene | 28.443 | 278 | 4361386 | 45.722 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.524 | 276 | 4214436 | 43.619 | ng | 98 |

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

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