Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
Data File : BF139262.D
Acq On : 05 Sep 2024 17:25
Operator : RC/JU
Sample : P2403-01
Misc : LOD-MDL-SOIL-8 ng
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 05 17:54:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 113163 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 417052 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 227568 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 410152 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 205994 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 186028 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 875864 | 129.477 | ng | 0.00 |
| 7) Phenol-d6 | 6.516 | 99 | 1166957 | 129.222 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 755933 | 94.295 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 257187 | 130.878 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1322279 | 89.693 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1109321 | 86.949 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 27685 | 8.788 | ng | 96 |
| 3) Pyridine | 3.457 | 79 | 63733 | 8.381 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 42988 | 8.706 | ng | 97 |
| 6) Aniline | 6.551 | 93 | 90958 | 10.953 | ng | 97 |
| 8) 2-Chlorophenol | 6.669 | 128 | 65300 | 9.314 | ng | 86 |
| 9) Benzaldehyde | 6.440 | 77 | 58628 | 10.725 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 90788 | 9.531 | ng | 90 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 65477 | 9.595 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 72283 | 9.109 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 74014 | 9.319 | ng | 97 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 67518 | 9.115 | ng | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 69293 | 10.522 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 122861 | 9.457 | ng | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 51548 | 9.001 | ng | 98 |
| 18) Hexachloroethane | 7.398 | 117 | 24698 | 8.707 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 48805 | 9.384 | ng | 99 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 68090 | 9.434 | ng | 92 |
| 22) Acetophenone | 7.292 | 105 | 93337 | 9.394 | ng | 94 |
| 24) Nitrobenzene | 7.469 | 77 | 74583 | 8.765 | ng | 99 |
| 25) Isophorone | 7.698 | 82 | 128681 | 9.389 | ng | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 29221 | 8.744 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 37768 | 7.924 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 76029 | 9.311 | ng | 97 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 52216 | 9.150 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 59084 | 9.065 | ng | 98 |
| 31) Naphthalene | 8.192 | 128 | 192152 | 9.098 | ng | 99 |
| 32) Benzoic acid | 7.869 | 122 | 20023 | 4.612 | ng | 97 |
| 33) 4-Chloroaniline | 8.234 | 127 | 72546 | 9.920 | ng | 98 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 35543 | 8.606 | ng | 99 |
| 35) Caprolactam | 8.569 | 113 | 14420 | 8.162 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 54658 | 8.789 | ng | 95 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 122180 | 9.246 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 112995 | 8.695 | ng | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 59823 | 9.291 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 17426 | 8.422 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 37119 | 8.811 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 36417 | 8.249 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 159559 | 9.463 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 113432 | 8.910 | ng | | 98 |
| 48) 2-Nitroaniline | 9.463 | 65 | 37665 | 8.589 | ng | | 99 |
| 49) Acenaphthylene | 9.786 | 152 | 188521 | 9.832 | ng | | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 125745 | 9.117 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 26758 | 8.551 | ng | | 98 |
| 52) Acenaphthene | 9.957 | 154 | 111484 | 8.766 | ng | | 98 |
| 53) 3-Nitroaniline | 9.869 | 138 | 28677 | 8.602 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 4881 | 10.223 | ng | # | 69 |
| 55) Dibenzofuran | 10.128 | 168 | 172032 | 9.435 | ng | | 98 |
| 56) 4-Nitrophenol | 10.016 | 139 | 17131 | 6.962 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 33719 | 8.466 | ng | | 99 |
| 58) Fluorene | 10.469 | 166 | 132253 | 9.355 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 30327 | 8.727 | ng | | 96 |
| 60) Diethylphthalate | 10.339 | 149 | 122014 | 8.989 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 62740 | 9.203 | ng | | 100 |
| 62) 4-Nitroaniline | 10.475 | 138 | 25720 | 8.105 | ng | | 97 |
| 63) Azobenzene | 10.622 | 77 | 127133 | 8.887 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 10204 | 5.384 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 113468 | 9.504 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 35492 | 8.919 | ng | | 97 |
| 68) Hexachlorobenzene | 11.016 | 284 | 40577 | 8.907 | ng | | 99 |
| 69) Atrazine | 11.104 | 200 | 31154 | 11.310 | ng | | 98 |
| 70) Pentachlorophenol | 11.210 | 266 | 16409 | 6.236 | ng | | 95 |
| 71) Phenanthrene | 11.433 | 178 | 182554 | 9.528 | ng | | 99 |
| 72) Anthracene | 11.480 | 178 | 181582 | 9.701 | ng | | 98 |
| 73) Carbazole | 11.639 | 167 | 161783 | 9.248 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 162398 | 9.066 | ng | | 99 |
| 75) Fluoranthene | 12.621 | 202 | 179004 | 9.319 | ng | | 98 |
| 77) Benzidine | 12.745 | 184 | 44242 | 10.666 | ng | | 96 |
| 78) Pyrene | 12.851 | 202 | 180679 | 9.080 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 37916 | 8.094 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 115765 | 8.801 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 31012 | 8.878 | ng | | 99 |
| 83) Chrysene | 14.068 | 228 | 112910 | 9.197 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 42301 | 7.693 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 63771 | 6.058 | ng | # | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 83790 | 7.210 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 87929 | 8.207 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.115 | 252 | 97147 | 10.113 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 81872 | 9.000 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.015 | 278 | 64495 | 6.734 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 66519 | 6.729 | ng | | 97 |

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

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