Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
Data File : BP021963.D
Acq On : 20 Sep 2024 11:49
Operator : RC/JU
Sample : P2403-02
Misc : LOQ--SOIL 5 ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 12:33:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 01:22:00 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
LOQ-SOIL-02-QT2-2024

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.711 | 152 | 75132 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.475 | 136 | 282360 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.322 | 164 | 208918 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.110 | 188 | 508713 | 20.000 | ng | | -0.03 |
| 76) Chrysene-d12 | 21.539 | 240 | 626667 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.833 | 264 | 750639 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.328 | 112 | 468864 | 117.277 | ng | | 0.00 |
| 7) Phenol-d6 | 6.893 | 99 | 603181 | 116.219 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.852 | 82 | 456145 | 85.480 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.834 | 330 | 482980 | 124.701 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.934 | 172 | 1227826 | 85.792 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.845 | 244 | 2734781 | 81.977 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.258 | 88 | 8001 | 4.820 | ng | | 94 |
| 3) Pyridine | 3.664 | 79 | 18607 | 4.203 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.564 | 42 | 11323 | 4.848 | ng | # | 86 |
| 6) Aniline | 7.046 | 93 | 26796 | 5.875 | ng | | 93 |
| 8) 2-Chlorophenol | 7.281 | 128 | 21101 | 4.936 | ng | | 91 |
| 9) Benzaldehyde | 6.864 | 77 | 21032 | 7.750 | ng | | 95 |
| 10) Phenol | 6.917 | 94 | 25009 | 4.852 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.140 | 93 | 19043 | 4.904 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.605 | 146 | 25901 | 4.799 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.746 | 146 | 26037 | 4.757 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.058 | 146 | 25043 | 4.767 | ng | | 98 |
| 15) Benzyl Alcohol | 7.952 | 79 | 18191 | 4.570 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.222 | 45 | 21268 | 5.135 | ng | | 98 |
| 17) 2-Methylphenol | 8.146 | 107 | 16130 | 4.632 | ng | | 97 |
| 18) Hexachloroethane | 8.775 | 117 | 9346 | 4.644 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.505 | 70 | 15913 | 4.933 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.469 | 107 | 21218 | 4.316 | ng | | 96 |
| 22) Acetophenone | 8.522 | 105 | 34001 | 4.936 | ng | | 97 |
| 24) Nitrobenzene | 8.893 | 77 | 24987 | 4.611 | ng | | 99 |
| 25) Isophorone | 9.416 | 82 | 41227 | 4.686 | ng | | 97 |
| 26) 2-Nitrophenol | 9.599 | 139 | 9640 | 4.068 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 9.652 | 122 | 12404 | 4.521 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 9.887 | 93 | 24467 | 4.638 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.128 | 162 | 19953 | 4.285 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.340 | 180 | 27073 | 4.667 | ng | | 96 |
| 31) Naphthalene | 10.528 | 128 | 66378 | 4.711 | ng | | 97 |
| 32) Benzoic acid | 9.728 | 122 | 10392m | 3.240 | ng | | |
| 33) 4-Chloroaniline | 10.628 | 127 | 25199 | 4.958 | ng | | 94 |
| 34) Hexachlorobutadiene | 10.810 | 225 | 20567 | 4.532 | ng | | 98 |
| 35) Caprolactam | 11.399 | 113 | 5338 | 3.852 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 11.757 | 107 | 20240 | 4.051 | ng | # | 91 |
| 37) 2-Methylnaphthalene | 12.128 | 142 | 48768 | 4.731 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.352 | 142 | 43855 | 4.309 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.504 | 216 | 34491 | 4.719 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.487 | 237 | 15090 | 5.556 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.746 | 196 | 18405 | 4.102 | ng | | 93 |

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BNA_P
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LOQ-SOIL-02-QT2-2024

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.816 | 196 | 19660 | 3.906 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.146 | 154 | 73761 | 5.178 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.193 | 162 | 53911 | 4.681 | ng | | 98 |
| 48) 2-Nitroaniline | 13.393 | 65 | 12748 | 4.053 | ng | | 99 |
| 49) Acenaphthylene | 14.046 | 152 | 79400 | 4.885 | ng | | 98 |
| 50) Dimethylphthalate | 13.775 | 163 | 73562 | 4.855 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.887 | 165 | 13543 | 4.011 | ng | | 97 |
| 52) Acenaphthene | 14.381 | 154 | 48002 | 4.538 | ng | | 98 |
| 53) 3-Nitroaniline | 14.228 | 138 | 11794 | 3.919 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.440 | 184 | 5921 | 2.993 | ng | # | 77 |
| 55) Dibenzofuran | 14.722 | 168 | 87727 | 4.934 | ng | | 99 |
| 56) 4-Nitrophenol | 14.551 | 139 | 8334 | 3.182 | ng | | 85 |
| 57) 2,4-Dinitrotoluene | 14.687 | 165 | 18641 | 3.905 | ng | # | 93 |
| 58) Fluorene | 15.381 | 166 | 69789 | 4.700 | ng | | 93 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.957 | 232 | 21192 | 4.363 | ng | | 99 |
| 60) Diethylphthalate | 15.151 | 149 | 72756 | 4.725 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.375 | 204 | 39801 | 4.604 | ng | | 97 |
| 62) 4-Nitroaniline | 15.393 | 138 | 12893 | 3.896 | ng | | 97 |
| 63) Azobenzene | 15.675 | 77 | 57578 | 4.519 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 198 | 10330 | 3.503 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.593 | 169 | 57832 | 4.566 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.287 | 248 | 27278 | 4.600 | ng | | 98 |
| 68) Hexachlorobenzene | 16.404 | 284 | 34530 | 4.670 | ng | | 93 |
| 69) Atrazine | 16.563 | 200 | 25342 | 5.584 | ng | | 97 |
| 70) Pentachlorophenol | 16.757 | 266 | 17749 | 3.568 | ng | | 96 |
| 71) Phenanthrene | 17.157 | 178 | 120610 | 4.939 | ng | | 97 |
| 72) Anthracene | 17.251 | 178 | 112788 | 4.771 | ng | | 98 |
| 73) Carbazole | 17.534 | 167 | 101661 | 4.453 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.122 | 149 | 112604 | 4.199 | ng | | 99 |
| 75) Fluoranthene | 19.239 | 202 | 152606 | 4.477 | ng | | 99 |
| 77) Benzidine | 19.439 | 184 | 63355 | 8.273 | ng | | 96 |
| 78) Pyrene | 19.616 | 202 | 162904 | 4.297 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.575 | 149 | 55953 | 4.138 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.522 | 228 | 192887 | 4.790 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.445 | 252 | 64301 | 4.401 | ng | | 100 |
| 83) Chrysene | 21.592 | 228 | 184677 | 4.871 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.469 | 149 | 84160 | 4.241 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.710 | 149 | 136346 | 4.045 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.551 | 276 | 240368 | 4.815 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 23.786 | 252 | 199947m | 4.504 | ng | | |
| 89) Benzo(k)fluoranthene | 23.845 | 252 | 203228 | 4.837 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.669 | 252 | 179516 | 4.694 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.633 | 278 | 197614 | 4.796 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.698 | 276 | 188242 | 4.460 | ng | # | 97 |

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

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