Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081424\
Data File : BN033366.D
Acq On : 13 Aug 2024 16:52
Operator : MA/JU
Sample : SSTD00574
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD005210

Quant Time: Aug 14 01:53:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 01:18:11 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.569 | 152 | 222011 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.334 | 136 | 978765 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.210 | 164 | 678852 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.957 | 188 | 1520737 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.198 | 240 | 1591759 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.027 | 264 | 1902909 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.158 | 96 | 10829 | 2.018 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 7.105 | 132 | 65687 | 4.523 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 8.711 | 128 | 31449 | 4.202 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.428 | 143 | 24886 | 3.219 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.958 | 165 | 60601 | 4.199 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 13.628 | 166 | 242287 | 5.123 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.899 | 160 | 263746 | 4.850 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 15.210 | 176 | 212308 | 5.306 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.057 | 188 | 335307 | 5.150 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.357 | 212 | 404357 | 4.747 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.833 | 264 | 429599 | 4.728 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.187 | 88 | 10659 | 1.856 | ng/uL | 97 |
| 12) 2-Chlorophenol | 7.134 | 128 | 70362 | 4.630 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.369 | 70 | 62577 | 5.136 | ng/ul | 97 |
| 19) Hexachloroethane | 8.640 | 117 | 30807 | 4.787 | ng/ul | 98 |
| 22) Nitrobenzene | 8.752 | 77 | 83671 | 4.693 | ng/ul | 95 |
| 23) Isophorone | 9.275 | 82 | 169130 | 4.624 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.452 | 139 | 28791 | 3.409 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 9.528 | 107 | 82929 | 5.047 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.763 | 93 | 112273 | 4.925 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 9.987 | 162 | 66206 | 4.646 | ng/ul | 97 |
| 30) Naphthalene | 10.387 | 128 | 260289 | 5.138 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.687 | 225 | 44097 | 5.152 | ng/ul | 93 |
| 35) 4-Chloro-3-methylphenol | 11.628 | 107 | 75907 | 4.557 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.010 | 142 | 180747 | 5.220 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.228 | 142 | 183420 | 5.280 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.381 | 216 | 89939 | 5.010 | ng/ul | 91 |
| 41) 2,4,6-Trichlorophenol | 12.628 | 196 | 49154 | 4.034 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.693 | 196 | 54229 | 4.095 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.040 | 154 | 246641 | 5.165 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.075 | 162 | 187151 | 5.004 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.275 | 65 | 45177 | 4.167 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.675 | 163 | 247248 | 5.112 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.781 | 165 | 35782 | 3.722 | ng/ul# | 86 |
| 50) Acenaphthylene | 13.928 | 152 | 295097 | 4.802 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 52) Acenaphthene | 14.275 | 153 | 211330 | 5.197 | ng/ul | 99 |
| 56) Dibenzofuran | 14.610 | 168 | 301304 | 5.454 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.575 | 165 | 55072 | 3.904 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.840 | 232 | 45103 | 4.072 | ng/ul | 98 |
| 59) Diethylphthalate | 15.057 | 149 | 250677 | 5.023 | ng/ul | 98 |
| 61) Fluorene | 15.263 | 166 | 250842 | 5.638 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.269 | 204 | 122242 | 5.673 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.481 | 169 | 211653 | 5.049 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.163 | 248 | 70031 | 4.753 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.269 | 284 | 82377 | 4.933 | ng/ul | 92 |
| 72) Phenanthrene | 17.004 | 178 | 404217 | 5.218 | ng/ul | 99 |
| 74) Anthracene | 17.092 | 178 | 408586 | 5.205 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 12.999 | 216 | 92628 | 4.732 | ng/uL | 92 |
| 76) Pentachlorobenzene | 14.534 | 250 | 99325 | 5.210 | ng/uL | 97 |
| 78) Di-n-butylphthalate | 17.957 | 149 | 445984 | 4.843 | ng/ul | 99 |
| 80) Fluoranthene | 19.028 | 202 | 469682 | 4.614 | ng/ul | 99 |
| 82) Pyrene | 19.386 | 202 | 529239 | 5.067 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.328 | 149 | 174056 | 3.528 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.180 | 228 | 542002 | 5.087 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.151 | 149 | 302420 | 4.206 | ng/ul | 100 |
| 87) Chrysene | 21.233 | 228 | 514788 | 5.173 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 23.139 | 252 | 520471 | 4.576 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.198 | 252 | 523378 | 4.689 | ng/ul | 96 |
| 93) Benzo(a)pyrene | 23.892 | 252 | 505031 | 4.741 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.180 | 276 | 603905 | 4.920 | ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 27.245 | 278 | 493936 | 4.928 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 28.151 | 276 | 473027 | 4.847 | ng/ul | 98 |

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

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