

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111820\  
 Data File : BG047343.D  
 Acq On : 18 Nov 2020 17:26  
 Operator : CG/JU  
 Sample : SST04005  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST040051

Manual Integrations  
 APPROVED

mohammad  
 11/20/2020 11:29:03 AM

Quant Time: Nov 19 03:30:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG111820.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 19 03:08:00 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 42695    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.10 | 136  | 172147   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.88 | 164  | 128651   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.62 | 188  | 319549   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.90 | 240  | 294884   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 25.31 | 264  | 312292   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 15894m | 16.32 | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 4.04  | 84  | 133807 | 43.14 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.40  | 99  | 165118 | 40.58 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67  | 98795  | 37.54 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.80  | 132 | 116157 | 39.13 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.96  | 113 | 127189 | 38.57 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.44  | 128 | 56611  | 40.53 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.17 | 143 | 63909  | 40.53 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.71 | 165 | 141153 | 47.02 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.22 | 131 | 169704 | 41.39 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.28 | 166 | 434922 | 41.09 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.59 | 160 | 494815 | 38.85 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 15.04 | 143 | 65599  | 34.37 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.87 | 176 | 386375 | 42.70 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 71198  | 34.16 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.72 | 188 | 610140 | 38.40 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.98 | 212 | 700292 | 37.79 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 25.07 | 264 | 712527 | 42.00 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|
| 2) 1,4-Dioxane                 | 3.65  | 88  | 18527m  | 17.901 | ng/uL  |
| 5) Pyridine                    | 4.06  | 79  | 126805  | 40.592 | ng/ul  |
| 6) Benzaldehyde                | 7.40  | 77  | 86729   | 45.200 | ng/ul# |
| 8) Phenol                      | 7.43  | 94  | 161843  | 38.927 | ng/ul# |
| 10) Bis(2-Chloroethyl)ether    | 7.68  | 93  | 118311  | 34.985 | ng/ul  |
| 12) 2-Chlorophenol             | 7.83  | 128 | 114977  | 37.593 | ng/ul  |
| 13) 2-Methylphenol             | 8.70  | 108 | 127933  | 40.665 | ng/ul  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.80  | 45  | 131838m | 24.446 | ng/ul  |
| 16) Acetophenone               | 9.10  | 105 | 210959  | 38.981 | ng/ul  |
| 17) N-Nitroso-di-n-propylamine | 9.09  | 70  | 126236  | 41.348 | ng/ul# |
| 18) 4-Methylphenol             | 9.03  | 108 | 132838  | 39.053 | ng/ul  |
| 19) Hexachloroethane           | 9.38  | 117 | 52622   | 35.174 | ng/ul  |
| 22) Nitrobenzene               | 9.49  | 77  | 180326  | 42.386 | ng/ul  |
| 23) Isophorone                 | 10.01 | 82  | 349147  | 44.554 | ng/ul  |
| 25) 2-Nitrophenol              | 10.20 | 139 | 68641   | 41.053 | ng/ul  |
| 26) 2,4-Dimethylphenol         | 10.24 | 107 | 173039  | 45.082 | ng/ul  |
| 27) Bis(2-Chloroethoxy)methane | 10.49 | 93  | 174151  | 38.957 | ng/ul  |
| 29) 2,4-Dichlorophenol         | 10.73 | 162 | 127652  | 43.778 | ng/ul  |
| 30) Naphthalene                | 11.15 | 128 | 386601  | 40.325 | ng/ul  |
| 32) 4-Chloroaniline            | 11.25 | 127 | 157875  | 39.410 | ng/ul# |
| 33) Hexachlorobutadiene        | 11.44 | 225 | 119782  | 56.095 | ng/ul  |
| 34) Caprolactam                | 12.00 | 113 | 46342m  | 45.498 | ng/ul  |

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 Sample : SST04005  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
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 SST040051

Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.34 | 107  | 160069   | 45.009 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene        | 12.73 | 142  | 296971   | 42.952 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene        | 12.95 | 142  | 279265   | 42.249 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216  | 201618   | 46.041 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene  | 13.08 | 237  | 147515   | 49.708 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol      | 13.32 | 196  | 130971   | 45.394 | ng/ul  | 90       |
| 42) 2,4,5-Trichlorophenol      | 13.39 | 196  | 139989   | 44.954 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl              | 13.73 | 154  | 396838   | 37.459 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene        | 13.77 | 162  | 312067   | 36.953 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.96 | 65   | 112343   | 36.838 | ng/ul  | 89       |
| 47) Dimethylphthalate          | 14.33 | 163  | 439779   | 40.136 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene         | 14.44 | 165  | 86118    | 39.010 | ng/ul  | 94       |
| 50) Acenaphthylene             | 14.61 | 152  | 467436   | 37.462 | ng/ul  | 98       |
| 51) 3-Nitroaniline             | 14.77 | 138  | 69631    | 35.174 | ng/ul# | 96       |
| 52) Acenaphthene               | 14.95 | 153  | 332715   | 37.800 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol          | 14.97 | 184  | 43589    | 33.911 | ng/ul  | 92       |
| 55) 4-Nitrophenol              | 15.06 | 109  | 96564    | 44.908 | ng/ul  | 98       |
| 56) Dibenzofuran               | 15.28 | 168  | 477271   | 38.864 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene         | 15.23 | 165  | 121430   | 39.054 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.50 | 232  | 124495   | 47.052 | ng/ul  | 98       |
| 59) Diethylphthalate           | 15.68 | 149  | 434233   | 38.296 | ng/ul  | 96       |
| 61) Fluorene                   | 15.92 | 166  | 399429   | 39.035 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenylether | 15.91 | 204  | 248465   | 47.416 | ng/ul  | 95       |
| 63) 4-Nitroaniline             | 15.92 | 138  | 70283    | 36.819 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 74217    | 33.797 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine     | 16.12 | 169  | 362902   | 36.177 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether  | 16.81 | 248  | 166144   | 45.180 | ng/ul  | 98       |
| 69) Hexachlorobenzene          | 16.92 | 284  | 173753   | 43.055 | ng/ul  | 96       |
| 70) Atrazine                   | 17.06 | 200  | 165614   | 41.860 | ng/ul  | 99       |
| 71) Pentachlorophenol          | 17.26 | 266  | 95834    | 38.288 | ng/ul  | 96       |
| 72) Phenanthrene               | 17.66 | 178  | 688999   | 36.558 | ng/ul  | 97       |
| 74) Anthracene                 | 17.75 | 178  | 679690   | 35.269 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.70 | 216  | 211527   | 41.434 | ng/ul  | 99       |
| 76) Pentachlorobenzene         | 15.20 | 250  | 201591   | 40.936 | ng/ul  | 95       |
| 77) Carbazole                  | 18.01 | 167  | 567921   | 34.941 | ng/ul  | 97       |
| 78) Di-n-butylphthalate        | 18.56 | 149  | 708861   | 31.992 | ng/ul  | 99       |
| 80) Fluoranthene               | 19.65 | 202  | 883213   | 36.255 | ng/ul  | 98       |
| 82) Pyrene                     | 20.01 | 202  | 863805   | 35.182 | ng/ul  | 100      |
| 83) Butylbenzylphthalate       | 20.88 | 149  | 306215   | 28.765 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine     | 21.78 | 252  | 317059   | 52.827 | ng/ul  | 99       |
| 85) Benzo(a)anthracene         | 21.88 | 228  | 842957   | 40.693 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.78 | 149  | 428296   | 29.175 | ng/ul  | 98       |
| 87) Chrysene                   | 21.95 | 228  | 811392   | 40.860 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate       | 23.06 | 149  | 729707   | 25.079 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 24.22 | 252  | 896388   | 41.018 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene       | 24.29 | 252  | 846431   | 41.381 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 25.14 | 252  | 794603   | 41.462 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene     | 29.22 | 276  | 950755   | 43.781 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene     | 29.29 | 278  | 781669   | 42.896 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene       | 30.44 | 276  | 805757   | 45.377 | ng/ul  | 98       |

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Data File : BG047343.D  
Acq On : 18 Nov 2020 17:26  
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Sample : SSTD04005  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD040051

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

