Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012921\
Data File : BG048072.D
Acq On : 29 Jan 2021 14:15
Operator : CG/JU
Sample : SSTD08004
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 29 14:53:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080004

**Manual Integrations APPROVED**
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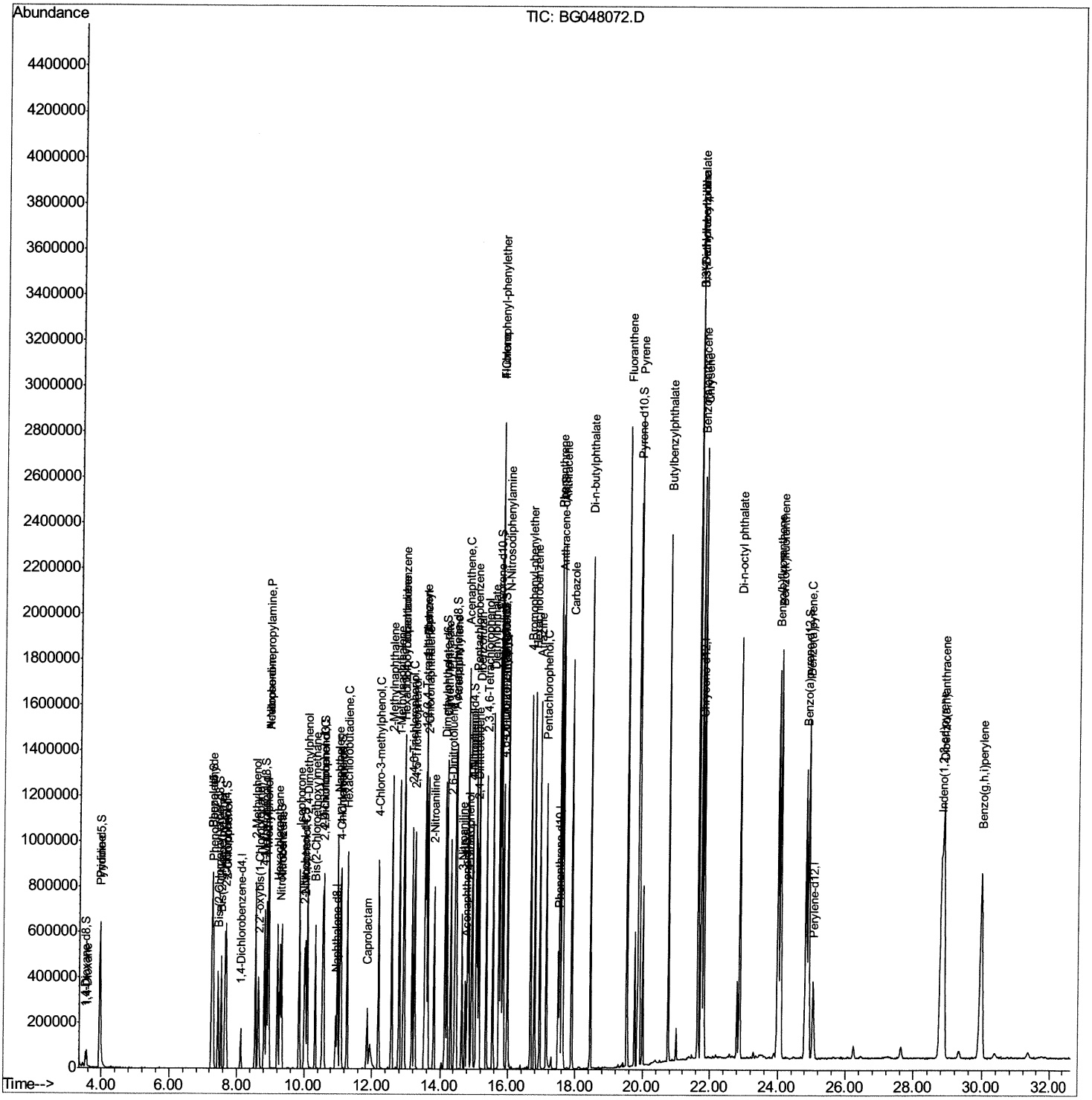
2/1/2021 11:49:11 AM



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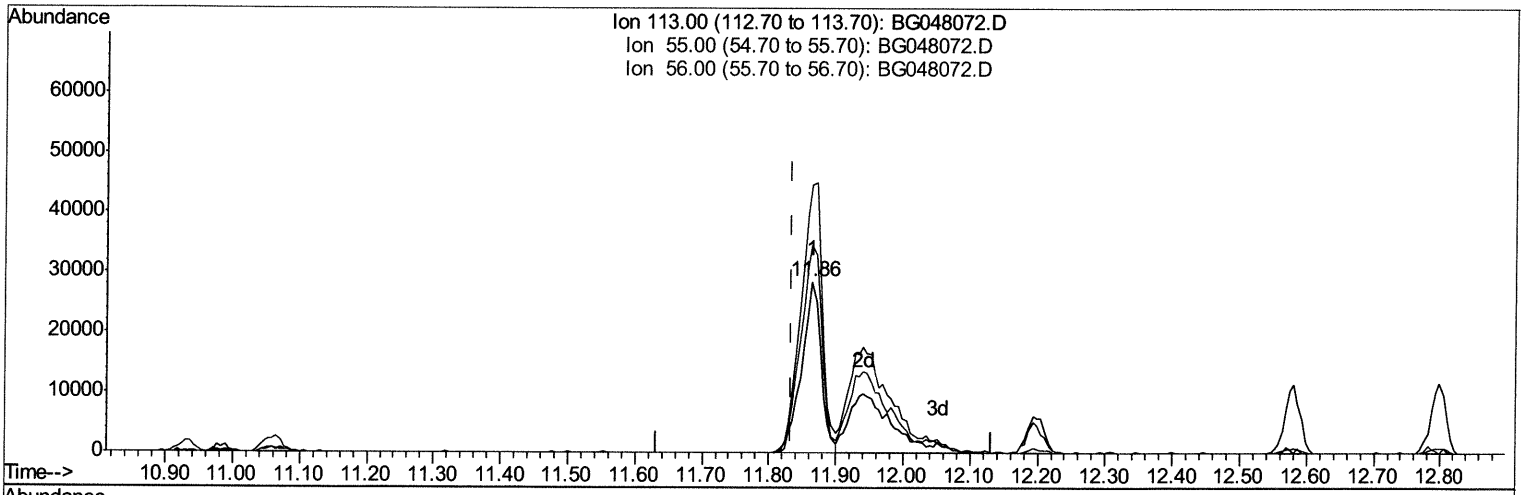


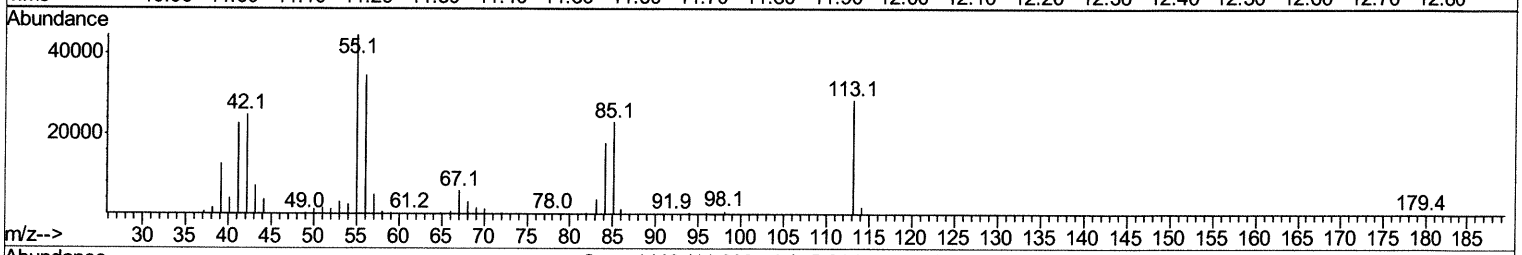


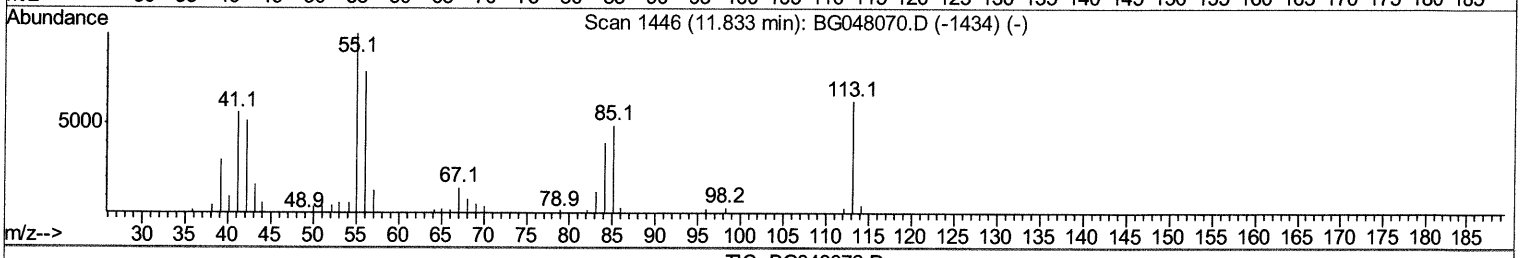


TIC: BG048072.D

(34) Caprolactam

11.864min (+0.031) 50.82ng/ul

response 56957

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 159.60 | 156.72 |
| 56.00 | 126.10 | 121.36 |
| 0.00 | 0.00 | 0.00 |

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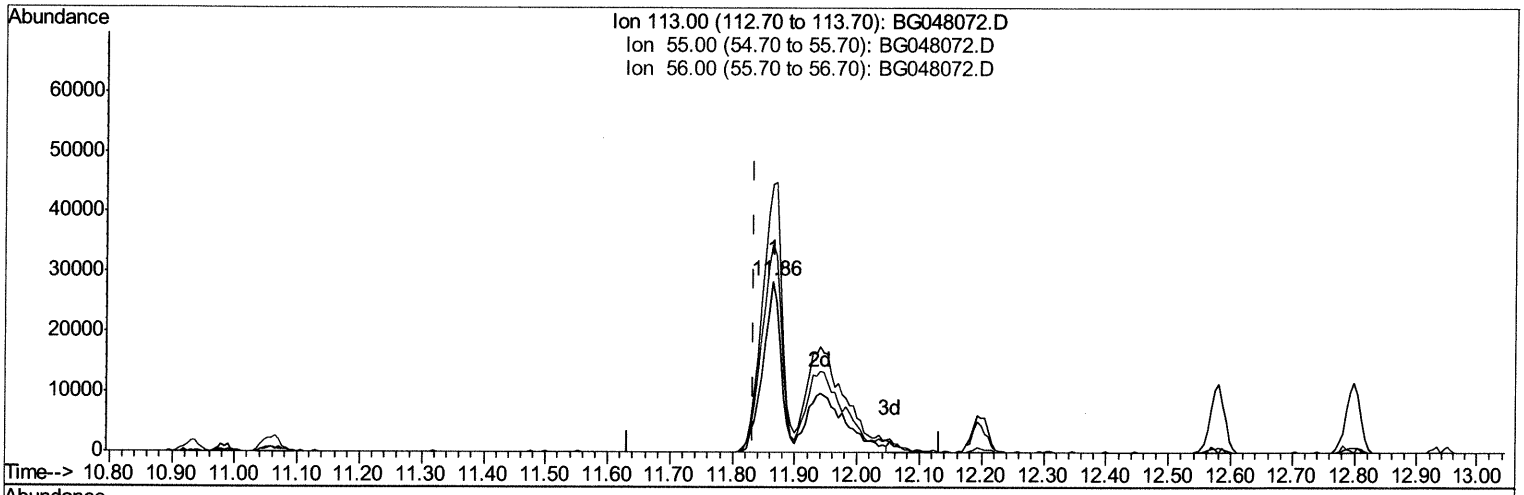


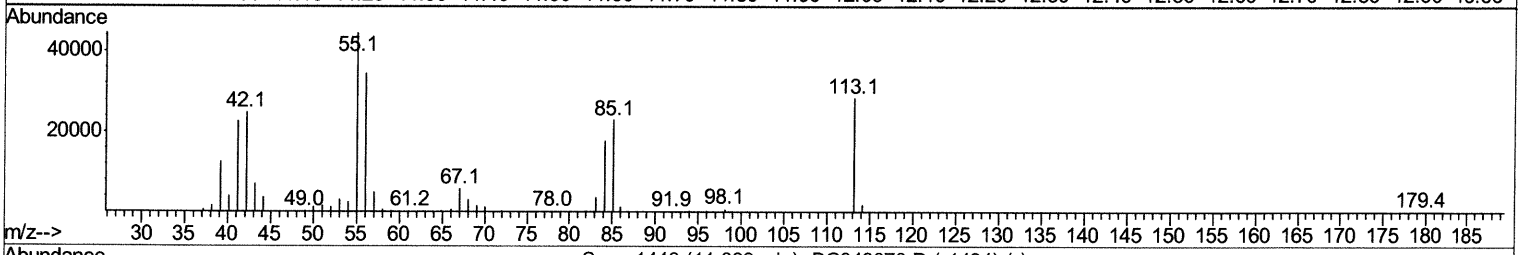


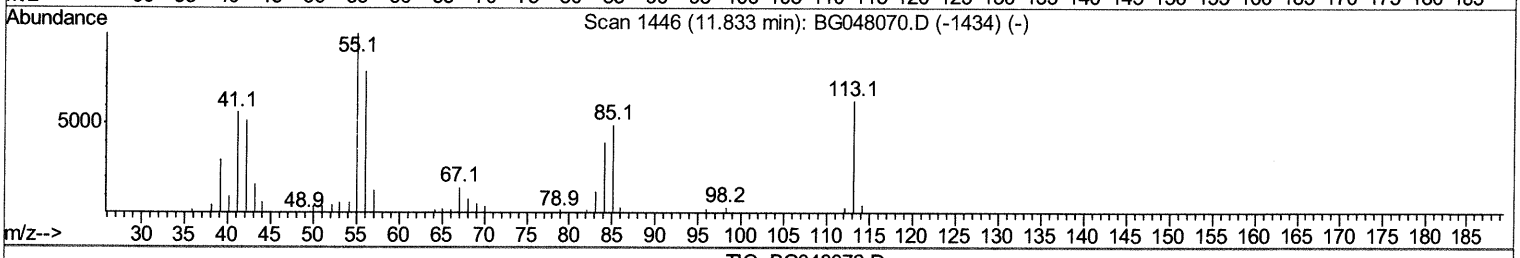


TIC: BG048072.D

(34) Caprolactam

11.864min (+0.031) 88.80ng/ul m 02/22/21 JJ

response 99532

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 159.60 | 156.72 |
| 56.00 | 126.10 | 121.36 |
| 0.00 | 0.00 | 0.00 |

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ClientSampleId :
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Manual Integrations APPROVED
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2/1/2021 11:49:11 AM

Quant Time: Jan 29 14:53:16 2021
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 29 14:00:06 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 48346 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.93 | 136 | 188606 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 135031 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.49 | 188 | 339927 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.76 | 240 | 355536 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.04 | 264 | 383806 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 40134 | 30.34 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.94 | 84 | 303302 | 82.53 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.26 | 99 | 351977 | 86.85 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.44 | 67 | 206769 | 79.51 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.65 | 132 | 251386 | 81.22 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.82 | 113 | 276941 | 86.09 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.28 | 128 | 129140 | 95.76 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.01 | 143 | 158265 | 118.89 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.55 | 165 | 291940 | 88.24 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.06 | 131 | 362849 | 80.01 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.14 | 166 | 854319 | 78.00 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.44 | 160 | 998569 | 77.01 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.93 | 143 | 165468 | 91.70 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.73 | 176 | 774480 | 78.09 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 200 | 197249 | 118.31 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.59 | 188 | 1204601 | 74.33 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.86 | 212 | 1429077 | 73.91 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.82 | 264 | 1585081 | 75.28 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 42020 | 29.228 | ng/uL# | 86 |
| 5) Pyridine | 3.96 | 79 | 307516 | 83.230 | ng/ul | 95 |
| 6) Benzaldehyde | 7.25 | 77 | 168886 | 88.790 | ng/ul | 99 |
| 8) Phenol | 7.29 | 94 | 357875 | 87.359 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.53 | 93 | 268451 | 83.342 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.68 | 128 | 251121 | 82.970 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.55 | 108 | 260826 | 82.588 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 344177 | 72.821 | ng/ul | 98 |
| 16) Acetophenone | 8.94 | 105 | 425533 | 86.504 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propylamine | 8.94 | 70 | 237908 | 81.752 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.89 | 108 | 273254 | 82.700 | ng/ul | 95 |
| 19) Hexachloroethane | 9.21 | 117 | 112730 | 82.467 | ng/ul | 97 |
| 22) Nitrobenzene | 9.33 | 77 | 366106 | 91.464 | ng/ul | 99 |
| 23) Isophorone | 9.85 | 82 | 663562 | 82.162 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.04 | 139 | 157323 | 103.262 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 10.09 | 107 | 312582 | 81.651 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)methane | 10.33 | 93 | 370275 | 83.794 | ng/ul# | 96 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 277535 | 90.027 | ng/ul | 100 |
| 30) Naphthalene | 10.98 | 128 | 814096 | 79.585 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.09 | 127 | 349727 | 83.103 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 11.26 | 225 | 234610 | 85.409 | ng/ul | 98 |
| 34) Caprolactam | 11.86 | 113 | 99532m> | 88.802 | ng/ul> | |

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**Instrument :** BNA_G
**ClientSampleId :** SSTD080004

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 12.20 | 107 | 305865 | 87.989 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.58 | 142 | 595250 | 78.398 | ng/ul | 94 |
| 37) 1-Methylnaphthalene | 12.80 | 142 | 569175 | 77.900 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 414435 | 82.575 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 286837 | 99.213 | ng/ul | 89 |
| 41) 2,4,6-Trichlorophenol | 13.17 | 196 | 283753 | 98.443 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 13.25 | 196 | 299654 | 95.421 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.58 | 154 | 780377 | 75.126 | ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.63 | 162 | 661447 | 81.839 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.82 | 65 | 239925 | 107.180 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.19 | 163 | 865254 | 77.073 | ng/ul | 97 |
| 48) 2,6-Dinitrotoluene | 14.31 | 165 | 197220 | 100.099 | ng/ul | 99 |
| 50) Acenaphthylene | 14.47 | 152 | 936848 | 74.732 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.64 | 138 | 156998 | 93.022 | ng/ul | 97 |
| 52) Acenaphthene | 14.81 | 153 | 705653 | 77.136 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 141500 | 127.662 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.94 | 109 | 172437 | 93.012 | ng/ul | 98 |
| 56) Dibenzofuran | 15.14 | 168 | 982960 | 79.150 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 282168 | 100.572 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 291507 | 99.572 | ng/ul | 96 |
| 59) Diethylphthalate | 15.55 | 149 | 900931 | 80.886 | ng/ul | 98 |
| 61) Fluorene | 15.79 | 166 | 806192 | 76.247 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenylether | 15.78 | 204 | 497770 | 82.812 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.81 | 138 | 158755 | 95.833 | ng/ul# | 81 |
| 66) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 205790 | 113.331 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.99 | 169 | 734731 | 75.590 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.67 | 248 | 351182 | 85.634 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.79 | 284 | 368782 | 87.186 | ng/ul | 97 |
| 70) Atrazine | 16.94 | 200 | 342344 | 84.603 | ng/ul | 96 |
| 71) Pentachlorophenol | 17.13 | 266 | 240535 | 93.135 | ng/ul | 97 |
| 72) Phenanthrene | 17.53 | 178 | 1398496 | 75.406 | ng/ul | 96 |
| 74) Anthracene | 17.62 | 178 | 1388346 | 74.807 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.54 | 216 | 433412 | 82.298 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.06 | 250 | 428607 | 84.622 | ng/uL | 95 |
| 77) Carbazole | 17.89 | 167 | 1218469 | 80.185 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.44 | 149 | 1452179 | 74.672 | ng/ul | 98 |
| 80) Fluoranthene | 19.53 | 202 | 1795893 | 73.083 | ng/ul | 97 |
| 82) Pyrene | 19.90 | 202 | 1699983 | 70.224 | ng/ul# | 96 |
| 83) Butylbenzylphthalate | 20.77 | 149 | 694717 | 81.866 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.65 | 252 | 654293 | 82.494 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.74 | 228 | 1805603 | 72.307 | ng/ul | 93 |
| 86) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 986647 | 80.387 | ng/ul | 96 |
| 87) Chrysene | 21.81 | 228 | 1744197 | 73.373 | ng/ul | 92 |
| 89) Di-n-octyl phthalate | 22.88 | 149 | 1631507 | 77.005 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.00 | 252 | 1882035 | 70.694 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 24.07 | 252 | 1873498 | 73.644 | ng/ul | 96 |
| 93) Benzo(a)pyrene | 24.90 | 252 | 1746997 | 73.596 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 2238674 | 76.285 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.87 | 278 | 1850461 | 76.430 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.98 | 276 | 1861005 | 76.618 | ng/ul | 98 |

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

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