

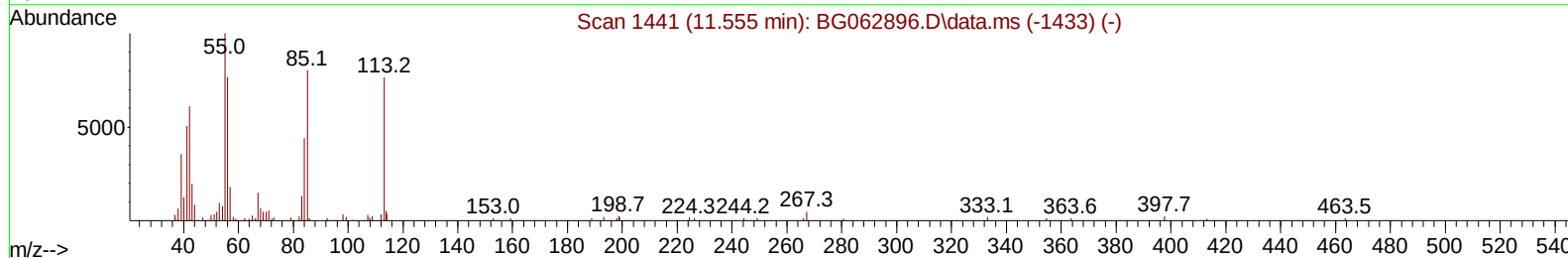
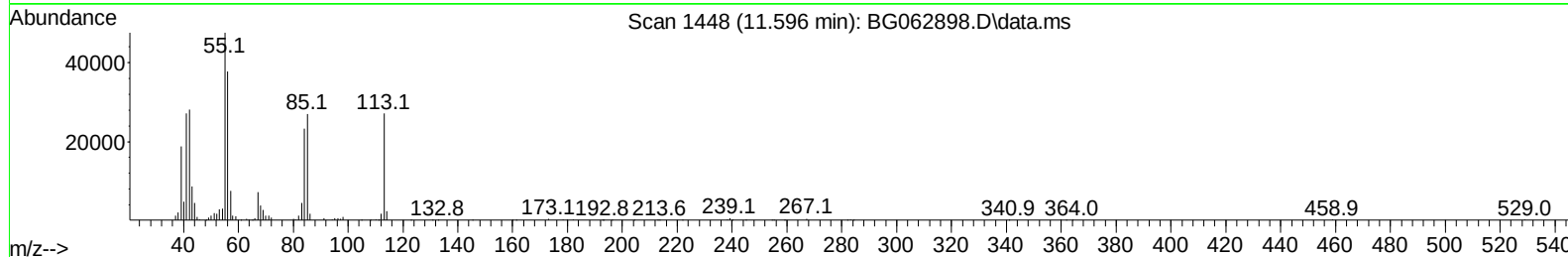
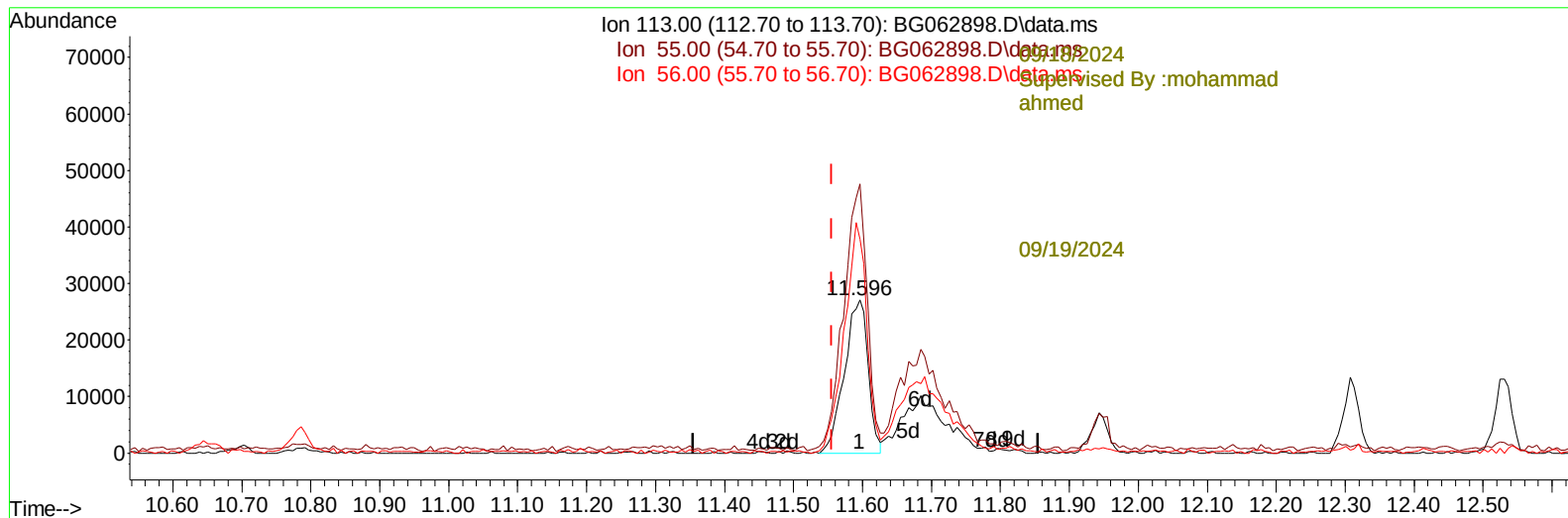
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091724\  
Data File : BG062898.D  
Acq On : 17 Sep 2024 19:09  
Operator : JU/RC  
Sample : SST08062  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD080449

Manual IntegrationsAPPROVED

Quant Time: Sep 18 00:23:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:18:08 2024  
Response via : Initial Calibration

Reviewed By :Jagrut  
Upadhyay



TIC: BG062898.D\data.ms

(34) Caprolactam

11.596min (+ 0.041) 47.21 ng/ul

response 64683

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 140.80 | 175.48# |
| 56.00  | 100.30 | 139.51# |
| 0.00   | 0.00   | 0.00    |

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BNA\_G

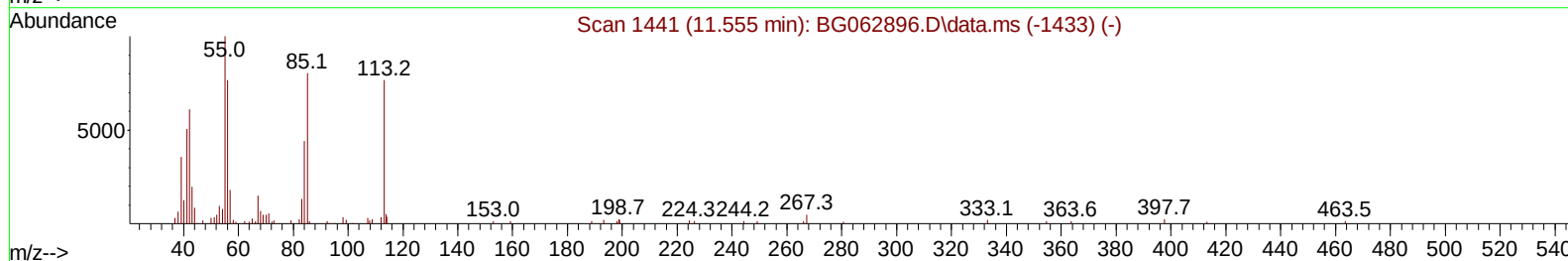
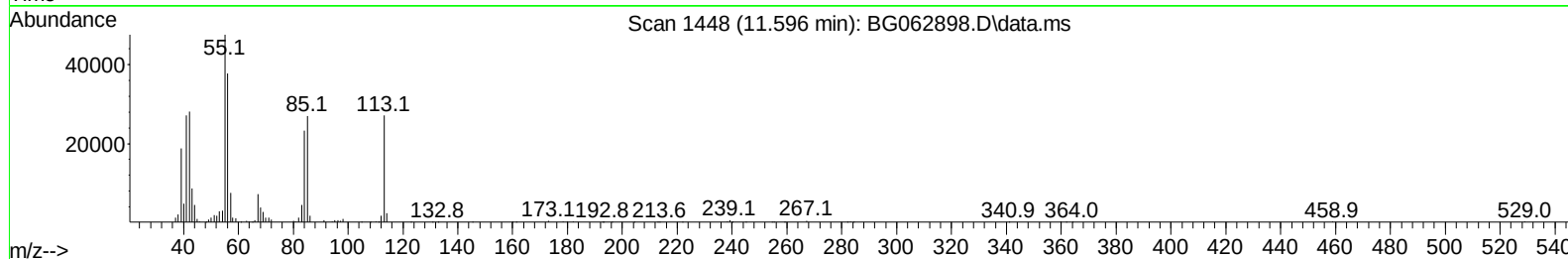
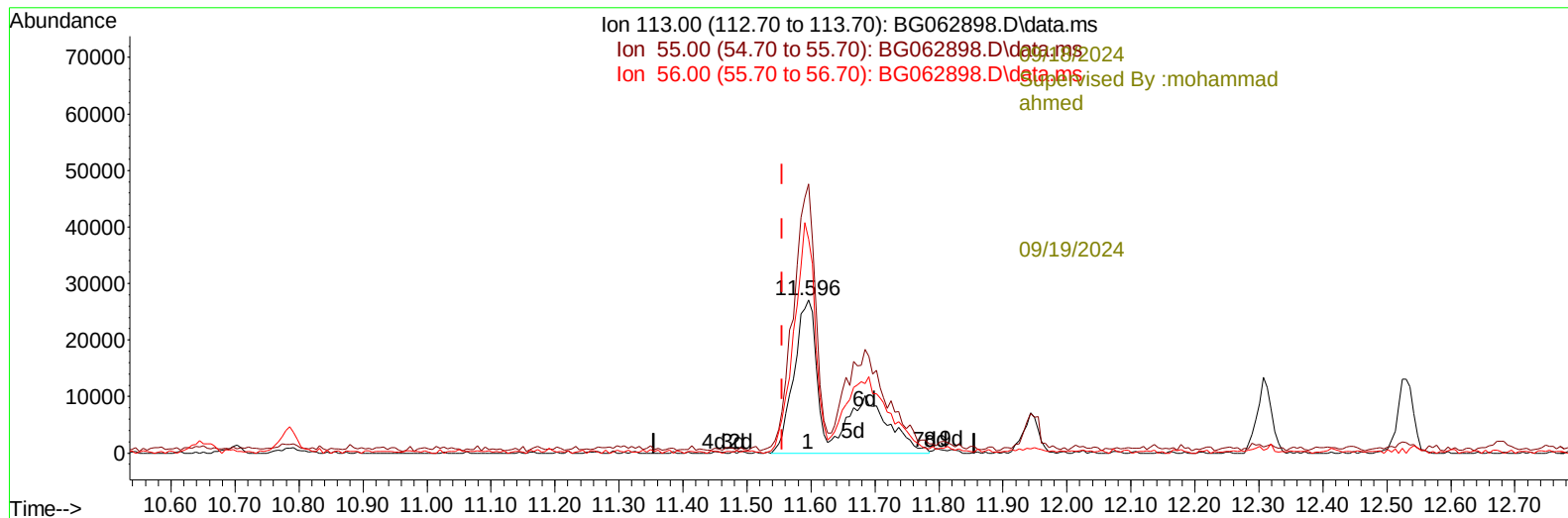
ClientSampleId :

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Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:18:08 2024  
Response via : Initial Calibration



TIC: BG062898.D\data.ms

**(34) Caprolactam**

11.596min (+ 0.041) 80.04 ng/ul m

response 109674

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 140.80 | 175.48# |
| 56.00  | 100.30 | 139.51# |
| 0.00   | 0.00   | 0.00    |

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 Sample : SSTD08062  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

SSTD080449

Manual IntegrationsAPPROVED

Quant Time: Sep 18 00:36:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:18:08 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----09/18/2024               |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.859  | 152  | 51518    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.644 | 136  | 221740   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.493 | 164  | 167782   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.243 | 188  | 391703   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.491 | 240  | 380107   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.528 | 264  | 444528   | 20.000  | ng/ul  | 0.00     |
| -----09/19/2024               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 54548    | 47.863  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.741  | 84   | 381252   | 105.092 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.037  | 99   | 440207   | 97.445  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.196  | 67   | 237901   | 87.837  | ng/ul  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.395  | 132  | 279878   | 85.055  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.576  | 113  | 322309   | 85.616  | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 9.017  | 128  | 143447   | 90.514  | ng/ul  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.734  | 143  | 173641   | 100.184 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.274 | 165  | 325196   | 86.154  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.785 | 131  | 412860   | 79.574  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.905 | 166  | 946100   | 73.226  | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 14.187 | 160  | 1068308  | 74.449  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 166750   | 75.972  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.486 | 176  | 864534   | 74.254  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.615 | 200  | 205584   | 91.243  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.342 | 188  | 1387966  | 75.082  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.634 | 212  | 1721730  | 80.494  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.328 | 264  | 1812669  | 77.226  | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.371  | 88   | 55436    | 43.400  | ng/ul# | 88       |
| 5) Pyridine                   | 3.758  | 79   | 392781   | 103.226 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.002  | 77   | 193759   | 78.010  | ng/ul  | 95       |
| 8) Phenol                     | 7.060  | 94   | 455436   | 96.983  | ng/ul  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.284  | 93   | 302119   | 85.105  | ng/ul  | 90       |
| 12) 2-Chlorophenol            | 7.431  | 128  | 290613   | 86.376  | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.306  | 108  | 320722   | 91.077  | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.377  | 45   | 379113   | 59.332  | ng/ul  | 98       |
| 16) Acetophenone              | 8.682  | 105  | 491154   | 80.273  | ng/ul# | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.682  | 70   | 273894   | 85.512  | ng/ul# | 96       |
| 18) 4-Methylphenol            | 8.641  | 108  | 347585   | 87.735  | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.935  | 117  | 116553   | 86.053  | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.058  | 77   | 425616   | 99.274  | ng/ul# | 93       |
| 23) Isophorone                | 9.587  | 82   | 822769   | 93.866  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.769  | 139  | 181757   | 95.146  | ng/ul# | 87       |
| 26) 2,4-Dimethylphenol        | 9.828  | 107  | 392506   | 96.158  | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.063 | 93   | 437205   | 89.250  | ng/ul  | 92       |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 322843   | 86.840  | ng/ul  | 94       |
| 30) Naphthalene               | 10.697 | 128  | 966332   | 81.277  | ng/ul# | 95       |
| 32) 4-Chloroaniline           | 10.809 | 127  | 392459   | 76.057  | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 10.985 | 225  | 262310   | 84.697  | ng/ul  | 97       |
| 34) Caprolactam               | 11.596 | 113  | 109674m  | 80.043  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.943 | 107  | 366465   | 90.364  | ng/ul  | 96       |

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 Sample : SST008062  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

SSTD080449

Manual IntegrationsAPPROVED

Quant Time: Sep 18 00:36:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:18:08 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|---------|--------|----------|----------------------------------|
| 36) 2-Methylnaphthalene       | 12.307 | 142  | 670818   | 76.448  | ng/ul  | 95       | 09/18/2024                       |
| 37) 1-Methylnaphthalene       | 12.530 | 142  | 674718   | 75.067  | ng/ul  | 100      | Supervised By :mohammad<br>Ahmed |
| 39) 1,2,4,5-Tetrachloroben... | 12.683 | 216  | 455485   | 78.966  | ng/ul  | 97       |                                  |
| 40) Hexachlorocyclopentadiene | 12.660 | 237  | 274994   | 93.174  | ng/ul  | 98       |                                  |
| 41) 2,4,6-Trichlorophenol     | 12.924 | 196  | 291538   | 83.444  | ng/ul  | 96       |                                  |
| 42) 2,4,5-Trichlorophenol     | 13.000 | 196  | 311003   | 82.907  | ng/ul  | 94       |                                  |
| 43) 1,1'-Biphenyl             | 13.324 | 154  | 930952   | 78.903  | ng/ul  | 96       | 09/19/2024                       |
| 44) 2-Chloronaphthalene       | 13.365 | 162  | 753883   | 78.577  | ng/ul  | 96       |                                  |
| 45) 2-Nitroaniline            | 13.570 | 65   | 283486   | 107.680 | ng/ul  | 96       |                                  |
| 47) Dimethylphthalate         | 13.952 | 163  | 968409   | 72.780  | ng/ul  | 98       |                                  |
| 48) 2,6-Dinitrotoluene        | 14.076 | 165  | 202662   | 86.452  | ng/ul  | 94       |                                  |
| 50) Acenaphthylene            | 14.217 | 152  | 1111054  | 73.339  | ng/ul  | 98       |                                  |
| 51) 3-Nitroaniline            | 14.399 | 138  | 168123   | 71.634  | ng/ul# | 94       |                                  |
| 52) Acenaphthene              | 14.557 | 153  | 785850   | 73.232  | ng/ul  | 97       |                                  |
| 53) 2,4-Dinitrophenol         | 14.605 | 184  | 142767   | 92.230  | ng/ul  | 92       |                                  |
| 55) 4-Nitrophenol             | 14.728 | 109  | 190007   | 96.307  | ng/ul  | 96       |                                  |
| 56) Dibenzofuran              | 14.892 | 168  | 1175527  | 73.740  | ng/ul  | 95       |                                  |
| 57) 2,4-Dinitrotoluene        | 14.863 | 165  | 303071   | 82.690  | ng/ul  | 94       |                                  |
| 58) 2,3,4,6-Tetrachlorophenol | 15.122 | 232  | 280426   | 73.767  | ng/ul# | 98       |                                  |
| 59) Diethylphthalate          | 15.321 | 149  | 956041   | 72.833  | ng/ul  | 97       |                                  |
| 61) Fluorene                  | 15.545 | 166  | 842123   | 67.246  | ng/ul  | 95       |                                  |
| 62) 4-Chlorophenyl-phenyle... | 15.539 | 204  | 478343   | 65.118  | ng/ul  | 97       |                                  |
| 63) 4-Nitroaniline            | 15.574 | 138  | 162849   | 64.480  | ng/ul  | 93       |                                  |
| 66) 4,6-Dinitro-2-methylph... | 15.633 | 198  | 221427   | 94.807  | ng/ul  | 99       |                                  |
| 67) N-Nitrosodiphenylamine    | 15.750 | 169  | 818133   | 81.441  | ng/ul  | 98       |                                  |
| 68) 4-Bromophenyl-phenylether | 16.432 | 248  | 339210   | 75.256  | ng/ul  | 95       |                                  |
| 69) Hexachlorobenzene         | 16.549 | 284  | 385114   | 74.832  | ng/ul  | 96       |                                  |
| 70) Atrazine                  | 16.708 | 200  | 356915   | 79.772  | ng/ul  | 95       |                                  |
| 71) Pentachlorophenol         | 16.896 | 266  | 249532   | 81.064  | ng/ul  | 95       |                                  |
| 72) Phenanthrene              | 17.284 | 178  | 1526072  | 74.919  | ng/ul  | 98       |                                  |
| 74) Anthracene                | 17.378 | 178  | 1577723  | 75.976  | ng/ul  | 97       |                                  |
| 75) 1,2,3,4-Tetrachloroben... | 13.288 | 216  | 469401   | 87.751  | ng/ul  | 95       |                                  |
| 76) Pentachlorobenzene        | 14.816 | 250  | 477330   | 80.526  | ng/ul  | 98       |                                  |
| 77) Carbazole                 | 17.648 | 167  | 1315237  | 76.376  | ng/ul  | 99       |                                  |
| 78) Di-n-butylphthalate       | 18.206 | 149  | 1612963  | 79.199  | ng/ul  | 98       |                                  |
| 80) Fluoranthene              | 19.305 | 202  | 1897187  | 80.085  | ng/ul  | 96       |                                  |
| 82) Pyrene                    | 19.669 | 202  | 1971974  | 77.330  | ng/ul  | 97       |                                  |
| 83) Butylbenzylphthalate      | 20.562 | 149  | 738113   | 97.504  | ng/ul  | 99       |                                  |
| 84) 3,3'-Dichlorobenzidine    | 21.397 | 252  | 617587   | 77.174  | ng/ul  | 98       |                                  |
| 85) Benzo(a)anthracene        | 21.473 | 228  | 2033988  | 76.938  | ng/ul  | 99       |                                  |
| 86) Bis(2-ethylhexyl)phtha... | 21.391 | 149  | 980090   | 87.927  | ng/ul# | 98       |                                  |
| 87) Chrysene                  | 21.538 | 228  | 1922635  | 76.658  | ng/ul  | 99       |                                  |
| 89) Di-n-octyl phthalate      | 22.536 | 149  | 1830623  | 88.533  | ng/ul  | 100      |                                  |
| 90) Benzo(b)fluoranthene      | 23.576 | 252  | 2095563  | 76.354  | ng/ul  | 99       |                                  |
| 91) Benzo(k)fluoranthene      | 23.641 | 252  | 2077306  | 73.918  | ng/ul  | 99       |                                  |
| 93) Benzo(a)pyrene            | 24.405 | 252  | 1930770  | 74.585  | ng/ul  | 98       |                                  |
| 94) Indeno(1,2,3-cd)pyrene    | 27.977 | 276  | 2433624  | 76.302  | ng/ul  | 94       |                                  |
| 95) Dibenzo(a,h)anthracene    | 28.036 | 278  | 1942334  | 75.817  | ng/ul# | 97       |                                  |
| 96) Benzo(g,h,i)perylene      | 29.052 | 276  | 1880017  | 76.320  | ng/ul  | 100      |                                  |

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

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
SSTD080449

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut  
Upadhyay

09/18/2024  
Supervised By :mohammad  
ahmed

09/19/2024

