

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021935.D  
 Acq On : 21 Apr 2025 09:08  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:42:46 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 190380              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 283274              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 258729              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 137455              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 98896               | 47.945  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 95.880%  |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 97606               | 53.117  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.240% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 369261              | 52.823  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 105.640% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 124987              | 52.859  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 105.720% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 80280               | 40.684  | ug/l   | 98       |
| 3) Chloromethane             | 2.068          | 50   | 133714              | 48.191  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.202          | 62   | 141713              | 45.162  | ug/l   | 100      |
| 5) Bromomethane              | 2.592          | 94   | 99583               | 46.530  | ug/l   | 100      |
| 6) Chloroethane              | 2.733          | 64   | 98450               | 47.947  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 181583              | 45.174  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 49107               | 44.923  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 99584               | 46.972  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.001          | 142  | 116701              | 50.176  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.879          | 59   | 26367               | 196.800 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 90954               | 45.548  | ug/l   | 93       |
| 13) Acrolein                 | 3.653          | 56   | 7776                | 31.786  | ug/l   | 95       |
| 14) Allyl chloride           | 4.385          | 41   | 148952              | 46.783  | ug/l   | 100      |
| 15) Acrylonitrile            | 5.061          | 53   | 106838              | 234.077 | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 89088               | 211.031 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.104          | 76   | 283988              | 43.177  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 72050               | 68.864  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 235137              | 47.296  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.616          | 84   | 107251              | 52.080  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 107757              | 49.010  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.019          | 45   | 334898              | 50.142  | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.964          | 43   | 856132              | 219.115 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 197323              | 49.409  | ug/l   | 98       |
| 25) 2-Butanone               | 6.896          | 43   | 132739              | 220.142 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 173398              | 48.810  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 124082              | 50.184  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.244          | 49   | 83053               | 49.310  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 88632               | 228.395 | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 208038              | 50.083  | ug/l   | 95       |
| 31) Cyclohexane              | 7.701          | 56   | 154860              | 42.537  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 184005              | 49.012  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 140606              | 50.236  | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.982          | 43   | 60231               | 45.598  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 165877              | 51.745  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.110          | 83   | 162282              | 48.536  | ug/l   | 98       |
| 40) Benzene                  | 8.079          | 78   | 440049              | 52.500  | ug/l   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Quant Time: Apr 22 02:42:46 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 30237    | 43.104  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 123821   | 52.400  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 114342   | 45.678  | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 115521   | 54.092  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 105155   | 53.000  | ug/l   | 94       |
| 46) Dibromomethane            | 9.231  | 93   | 60539    | 52.944  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 157500   | 53.157  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 57239    | 49.822  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11998    | 979.478 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 330745   | 253.898 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 285823   | 54.655  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 136654   | 51.926  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 162164   | 52.231  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 79140    | 53.782  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 95988    | 51.086  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 133988   | 52.723  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 257013   | 280.396 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 216755   | 249.845 | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.914 | 129  | 110446   | 54.974  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 73069    | 52.934  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 132299   | 56.144  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 307970   | 51.926  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 110407   | 52.468  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 535282   | 52.632  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 416599   | 106.972 | ug/l   | 99       |
| 69) o-Xylene                  | 11.957 | 106  | 192539   | 53.559  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 332214   | 55.426  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 63303    | 52.738  | ug/l   | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 509941   | 49.949  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 103900   | 43.363  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 81727    | 44.525  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 68311m   | 50.135  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 122745   | 50.074  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 616586   | 50.235  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 357709   | 50.177  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 423156   | 50.714  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 27279    | 46.131  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 376375   | 50.641  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 363749   | 48.944  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 426708   | 51.742  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 542599   | 49.958  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 466865   | 52.008  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 243945   | 50.512  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 240246   | 50.351  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 419349   | 50.513  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 96849    | 49.234  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 213145   | 50.700  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 13095    | 46.030  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.926 | 180  | 119363   | 52.356  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 73579    | 51.677  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 192802   | 51.020  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 100061   | 51.468  | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

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APPROVED

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Quant Time: Apr 22 02:42:46 2025  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

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

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

