

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121025\  
 Data File : VW032616.D  
 Acq On : 10 Dec 2025 14:44  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW121025

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025  
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 01:59:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 01:56:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 381031     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 683621     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 614581     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.550         | 152  | 290672     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.313          | 65   | 271937     | 45.706  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 91.420% |        |          |
| 35) Dibromofluoromethane     | 7.898          | 113  | 216571     | 44.816  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 89.640% |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 837041     | 47.710  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 95.420% |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 311271     | 48.324  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 96.640% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 110337     | 46.633  | ug/l   | 98       |
| 3) Chloromethane             | 2.253          | 50   | 180000     | 43.124  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.399          | 62   | 229207     | 46.021  | ug/l   | 99       |
| 5) Bromomethane              | 2.820          | 94   | 150935     | 45.501  | ug/l   | 92       |
| 6) Chloroethane              | 2.966          | 64   | 146114     | 45.467  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.302          | 101  | 182344     | 41.819  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.716          | 74   | 136626     | 46.795  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 197451     | 45.221  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.301          | 142  | 272419     | 44.804  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.216          | 59   | 97759      | 247.054 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.076          | 96   | 212922     | 46.032  | ug/l   | 94       |
| 13) Acrolein                 | 3.929          | 56   | 140200     | 210.482 | ug/l   | 97       |
| 14) Allyl chloride           | 4.698          | 41   | 403784     | 46.958  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.399          | 53   | 394501     | 241.789 | ug/l   | 99       |
| 16) Acetone                  | 4.155          | 43   | 488595     | 244.766 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.417          | 76   | 607913     | 45.221  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.710          | 43   | 188972     | 48.527  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.454          | 73   | 451094     | 49.120  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.954          | 84   | 254344     | 41.736  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.447          | 96   | 238424     | 47.195  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.338          | 45   | 831770     | 47.772  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.277          | 43   | 2906848    | 246.914 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.240          | 63   | 464698     | 46.669  | ug/l   | 99       |
| 25) 2-Butanone               | 7.185          | 43   | 597988     | 254.948 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 253622     | 45.363  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.185          | 96   | 281899     | 47.791  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.526          | 49   | 206638     | 52.238  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 350131     | 248.648 | ug/l   | 99       |
| 30) Chloroform               | 7.691          | 83   | 457075     | 46.536  | ug/l   | 98       |
| 31) Cyclohexane              | 7.965          | 56   | 409917     | 44.664  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.880          | 97   | 330087     | 45.704  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 334592     | 47.540  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.270          | 43   | 241498     | 50.093  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.075          | 117  | 297206     | 45.654  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.343          | 83   | 425096     | 48.027  | ug/l   | 98       |
| 40) Benzene                  | 8.331          | 78   | 993625     | 46.536  | ug/l   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 01:56:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.496  | 41   | 127113   | 49.330  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.404  | 62   | 316015   | 46.485  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.429  | 43   | 417339   | 48.813  | ug/l   | 98       |
| 44) Trichloroethene           | 9.093  | 130  | 226168   | 46.391  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 253010   | 46.830  | ug/l   | 95       |
| 46) Dibromomethane            | 9.459  | 93   | 153517   | 48.498  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.648  | 83   | 349307   | 47.440  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.441  | 41   | 194271   | 48.141  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 39577    | 931.994 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.209 | 43   | 1190319  | 249.711 | ug/l   | 99       |
| 52) Toluene                   | 10.386 | 92   | 622330   | 47.373  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 359451   | 49.511  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 398425   | 47.591  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 202478   | 47.674  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.642 | 69   | 312308   | 50.935  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.928 | 76   | 370112   | 48.517  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.922  | 63   | 691492   | 333.526 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.965 | 43   | 886755   | 256.852 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.129 | 129  | 225526   | 47.673  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 193983   | 47.233  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.861 | 164  | 184168   | 46.737  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.654 | 112  | 669523   | 47.709  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 211421   | 48.243  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.727 | 91   | 1186163  | 48.907  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.837 | 106  | 885989   | 95.188  | ug/l   | 98       |
| 69) o-Xylene                  | 12.160 | 106  | 424108   | 49.404  | ug/l   | 99       |
| 70) Styrene                   | 12.178 | 104  | 744120   | 49.722  | ug/l   | 99       |
| 71) Bromoform                 | 12.343 | 173  | 124666   | 48.991  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.458 | 105  | 1069093  | 48.357  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.269 | 43   | 386804   | 51.064  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 260205   | 48.887  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 181804m  | 46.611  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 253562   | 49.980  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.800 | 91   | 1381359  | 48.914  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.885 | 91   | 796425   | 48.044  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 911917   | 49.108  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 89722    | 57.410  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 858952   | 48.789  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.202 | 119  | 793387   | 50.153  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 914529   | 48.832  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.379 | 105  | 1188960  | 49.089  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 960295   | 48.746  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 479812   | 46.207  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 488117   | 47.205  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.818 | 91   | 983570   | 49.694  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.086 | 117  | 176014   | 47.837  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 449151   | 47.920  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 44206    | 46.762  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.123 | 180  | 270636   | 48.615  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 122928   | 46.713  | ug/l   | 97       |
| 95) Naphthalene               | 15.354 | 128  | 671742   | 57.948  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 260563   | 49.515  | ug/l   | 100      |

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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

