

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090924\  
 Data File : VY019474.D  
 Acq On : 09 Sep 2024 18:40  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh  
 Dadoda

09/10/2024  
 Supervised By :Semsettin  
 Yesilyurt

Quant Time: Sep 10 01:50:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 540606   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 957309   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 835431   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 392245   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.060  | 65    | 263813   | 52.701   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.400% |      |
| 35) Dibromofluoromethane    | 7.628  | 113   | 272548   | 50.214   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.420% |      |
| 50) Toluene-d8              | 10.109 | 98    | 1020533  | 50.833   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.660% |      |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 373747   | 48.417   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 96.840%  |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.866 | 85  | 142834  | 48.192  | ug/l   | 98  |
| 3) Chloromethane             | 2.068 | 50  | 219597  | 49.097  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.202 | 62  | 253949  | 52.507  | ug/l   | 98  |
| 5) Bromomethane              | 2.598 | 94  | 171528  | 57.738  | ug/l   | 100 |
| 6) Chloroethane              | 2.732 | 64  | 175584  | 55.534  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.055 | 101 | 419505  | 52.034  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.452 | 74  | 141416  | 52.255  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 248840  | 49.894  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.000 | 142 | 339383  | 53.076  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 4.854 | 59  | 93184   | 230.502 | ug/l # | 80  |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 247623  | 51.627  | ug/l   | 89  |
| 13) Acrolein                 | 3.647 | 56  | 45092   | 230.580 | ug/l   | 98  |
| 14) Allyl chloride           | 4.378 | 41  | 442150  | 51.405  | ug/l # | 92  |
| 15) Acrylonitrile            | 5.049 | 53  | 294659  | 252.517 | ug/l   | 99  |
| 16) Acetone                  | 3.866 | 43  | 237566  | 199.203 | ug/l # | 82  |
| 17) Carbon Disulfide         | 4.104 | 76  | 696209  | 53.724  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.378 | 43  | 168260  | 51.990  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 709690  | 52.243  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.610 | 84  | 280932  | 51.654  | ug/l # | 87  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 278729  | 53.018  | ug/l   | 87  |
| 22) Diisopropyl ether        | 6.018 | 45  | 934166  | 52.888  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.951 | 43  | 2563331 | 254.075 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 5.908 | 63  | 531936  | 53.669  | ug/l   | 98  |
| 25) 2-Butanone               | 6.890 | 43  | 379643  | 223.826 | ug/l # | 86  |
| 26) 2,2-Dichloropropane      | 6.878 | 77  | 436184  | 48.788  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.884 | 96  | 347804  | 54.463  | ug/l   | 91  |
| 28) Bromochloromethane       | 7.244 | 49  | 227833  | 54.633  | ug/l   | 86  |
| 29) Tetrahydrofuran          | 7.256 | 42  | 254172  | 246.461 | ug/l   | 87  |
| 30) Chloroform               | 7.420 | 83  | 553579  | 54.712  | ug/l   | 99  |
| 31) Cyclohexane              | 7.701 | 56  | 432946  | 48.326  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.615 | 97  | 480849  | 53.021  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 370452  | 50.158  | ug/l   | 97  |
| 37) Ethyl Acetate            | 6.981 | 43  | 180339  | 47.656  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 414988  | 49.827  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.109 | 83  | 482693  | 49.111  | ug/l   | 92  |
| 40) Benzene                  | 8.079 | 78  | 1174798 | 51.644  | ug/l   | 100 |

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 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 41) Methacrylonitrile         | 7.213  | 41   | 103929   | 47.114  | ug/l  | #        | 85  |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 315977   | 51.620  | ug/l  |          | 97  |
| 43) Isopropyl Acetate         | 8.195  | 43   | 378746   | 47.639  | ug/l  | #        | 80  |
| 44) Trichloroethene           | 8.865  | 130  | 291521   | 49.830  | ug/l  |          | 93  |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 285411   | 51.321  | ug/l  |          | 97  |
| 46) Dibromomethane            | 9.231  | 93   | 157247   | 51.705  | ug/l  |          | 95  |
| 47) Bromodichloromethane      | 9.420  | 83   | 422938   | 51.735  | ug/l  |          | 98  |
| 48) Methyl methacrylate       | 9.219  | 41   | 176409   | 46.987  | ug/l  |          | 85  |
| 49) 1,4-Dioxane               | 9.231  | 88   | 32150    | 897.997 | ug/l  | #        | 92  |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 942061   | 235.530 | ug/l  |          | 92  |
| 52) Toluene                   | 10.170 | 92   | 751814   | 51.387  | ug/l  |          | 99  |
| 53) t-1,3-Dichloropropene     | 10.395 | 75   | 383535   | 49.215  | ug/l  |          | 96  |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 449891   | 49.579  | ug/l  | #        | 87  |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 210101   | 50.026  | ug/l  |          | 98  |
| 56) Ethyl methacrylate        | 10.438 | 69   | 312193   | 48.935  | ug/l  | #        | 80  |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 361626   | 50.092  | ug/l  |          | 99  |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 748237   | 252.693 | ug/l  |          | 98  |
| 59) 2-Hexanone                | 10.761 | 43   | 645716   | 220.205 | ug/l  |          | 90  |
| 60) Dibromochloromethane      | 10.914 | 129  | 279883   | 50.378  | ug/l  |          | 99  |
| 61) 1,2-Dibromoethane         | 11.017 | 107  | 193831   | 49.533  | ug/l  |          | 98  |
| 64) Tetrachloroethene         | 10.645 | 164  | 255897   | 49.464  | ug/l  |          | 93  |
| 65) Chlorobenzene             | 11.444 | 112  | 823191   | 50.092  | ug/l  |          | 99  |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 285727   | 50.217  | ug/l  |          | 99  |
| 67) Ethyl Benzene             | 11.517 | 91   | 1464886  | 50.168  | ug/l  |          | 99  |
| 68) m/p-Xylenes               | 11.627 | 106  | 1105979  | 100.170 | ug/l  |          | 94  |
| 69) o-Xylene                  | 11.956 | 106  | 539543   | 49.968  | ug/l  |          | 94  |
| 70) Styrene                   | 11.968 | 104  | 918728   | 50.395  | ug/l  |          | 96  |
| 71) Bromoform                 | 12.133 | 173  | 155192   | 47.754  | ug/l  | #        | 98  |
| 73) Isopropylbenzene          | 12.255 | 105  | 1410900  | 49.582  | ug/l  |          | 100 |
| 74) N-amyl acetate            | 12.072 | 43   | 360308   | 46.557  | ug/l  | #        | 89  |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 241836   | 47.880  | ug/l  |          | 100 |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 176405m  | 47.982  | ug/l  |          |     |
| 77) Bromobenzene              | 12.529 | 156  | 311568   | 49.368  | ug/l  |          | 91  |
| 78) n-propylbenzene           | 12.596 | 91   | 1666499  | 49.410  | ug/l  |          | 100 |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 980008   | 49.858  | ug/l  |          | 95  |
| 80) 1,3,5-Trimethylbenzene    | 12.736 | 105  | 1143247  | 49.419  | ug/l  |          | 98  |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 84352    | 44.045  | ug/l  |          | 93  |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 998610   | 49.417  | ug/l  |          | 96  |
| 83) tert-Butylbenzene         | 12.999 | 119  | 1051249  | 50.196  | ug/l  |          | 97  |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 1138305  | 49.709  | ug/l  |          | 97  |
| 85) sec-Butylbenzene          | 13.175 | 105  | 1494064  | 49.108  | ug/l  |          | 99  |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 1215192  | 48.819  | ug/l  |          | 97  |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 605381   | 49.365  | ug/l  |          | 97  |
| 88) 1,4-Dichlorobenzene       | 13.364 | 146  | 592931   | 48.718  | ug/l  |          | 97  |
| 89) n-Butylbenzene            | 13.614 | 91   | 1131839  | 47.563  | ug/l  |          | 99  |
| 90) Hexachloroethane          | 13.877 | 117  | 254404   | 49.119  | ug/l  |          | 94  |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 537116   | 49.081  | ug/l  |          | 97  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 37719    | 44.808  | ug/l  |          | 86  |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 310944   | 46.717  | ug/l  |          | 96  |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 164917   | 46.381  | ug/l  |          | 99  |
| 95) Naphthalene               | 15.145 | 128  | 612495   | 45.952  | ug/l  |          | 99  |
| 96) 1,2,3-Trichlorobenzene    | 15.327 | 180  | 263450   | 46.274  | ug/l  |          | 98  |

09/10/2024

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QLast Update : Mon Sep 09 16:00:30 2024  
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Manual Integrations  
APPROVED

Reviewed By :Mahesh  
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| Compound                                                                    | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                       |      |      |          |      |       |          |
| (# ) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

