

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060123\  
 Data File : VY013961.D  
 Acq On : 01 Jun 2023 13:14  
 Operator : KP/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/02/2023  
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:48:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 06:43:43 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 280544               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 445471               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.483         | 117  | 406409               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 196116               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 522640               | 140.731 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 281.460%# |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 421162               | 148.767 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 297.540%# |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 1594878              | 147.692 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 295.380%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 545894               | 148.281 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 296.560%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 370756               | 150.198 | ug/l   | 94       |
| 3) Chloromethane             | 2.107          | 50   | 472563               | 138.224 | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.247          | 62   | 466245               | 147.212 | ug/l   | 97       |
| 5) Bromomethane              | 2.644          | 94   | 417057               | 151.226 | ug/l   | 99       |
| 6) Chloroethane              | 2.784          | 64   | 347329               | 153.235 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 754005               | 150.596 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.521          | 74   | 279176               | 142.229 | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 407122               | 158.289 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.082          | 142  | 562856               | 158.785 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.985          | 59   | 334475               | 438.226 | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 406918               | 150.892 | ug/l   | 97       |
| 13) Acrolein                 | 3.729          | 56   | 231450               | 662.187 | ug/l   | 100      |
| 14) Allyl chloride           | 4.472          | 41   | 799089               | 152.686 | ug/l   | 98       |
| 15) Acrylonitrile            | 5.161          | 53   | 810508               | 744.112 | ug/l   | 99       |
| 16) Acetone                  | 3.954          | 43   | 936494               | 737.053 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.186          | 76   | 1336095              | 146.518 | ug/l   | 99       |
| 18) Methyl Acetate           | 4.472          | 43   | 699147               | 152.302 | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 1321869              | 151.505 | ug/l   | 99       |
| 20) Methylene Chloride       | 4.710          | 84   | 477445               | 146.642 | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 447749               | 146.583 | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.112          | 45   | 1526788              | 150.503 | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.058          | 43   | 4988773              | 784.043 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 818688               | 144.583 | ug/l   | 100      |
| 25) 2-Butanone               | 6.984          | 43   | 1221081              | 771.422 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 735600               | 143.146 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 509160               | 145.590 | ug/l   | 99       |
| 28) Bromochloromethane       | 7.332          | 49   | 382154               | 142.905 | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 767533               | 779.752 | ug/l   | 99       |
| 30) Chloroform               | 7.502          | 83   | 849048               | 142.812 | ug/l   | 97       |
| 31) Cyclohexane              | 7.783          | 56   | 682832               | 152.695 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 759986               | 150.704 | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 629484               | 156.071 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.070          | 43   | 520425               | 147.996 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 691416               | 152.980 | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.179          | 83   | 741747               | 172.265 | ug/l   | 99       |
| 40) Benzene                  | 8.155          | 78   | 1828396              | 146.953 | ug/l   | 100      |

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 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
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Reviewed By :Krupa Patel 06/02/2023  
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:48:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 06:43:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 235704m  | 145.024  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 647458   | 141.913  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 931987   | 157.401  | ug/l   | 99       |
| 44) Trichloroethene           | 8.935  | 130  | 481827   | 147.880  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 474613   | 147.816  | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 298529   | 145.230  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.490  | 83   | 678976   | 146.629  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 430750   | 159.831  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 90616    | 3031.331 | ug/l # | 37       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 2606574  | 779.388  | ug/l   | 100      |
| 52) Toluene                   | 10.240 | 92   | 1132614  | 148.596  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 752091   | 151.203  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 802385   | 151.090  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 394369   | 145.525  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 627755   | 161.337  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 685643   | 148.070  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 1505943  | 737.028  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 1917605  | 791.848  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.977 | 129  | 496869   | 145.067  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 400577   | 147.120  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 417697   | 150.023  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 1211408  | 145.293  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 470584   | 144.980  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 2220953  | 153.892  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.697 | 106  | 1670854  | 303.088  | ug/l   | 99       |
| 69) o-Xylene                  | 12.026 | 106  | 803135   | 152.040  | ug/l   | 98       |
| 70) Styrene                   | 12.038 | 104  | 1381380  | 152.249  | ug/l   | 100      |
| 71) Bromoform                 | 12.203 | 173  | 350930   | 146.650  | ug/l   | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 2054577  | 158.724  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 829009   | 166.927  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 504462   | 149.112  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 417911m  | 158.041  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 521311   | 148.977  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 2519674  | 158.825  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 1431745  | 152.445  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 1718856  | 154.931  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 196957   | 158.328  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 1493259  | 151.178  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.069 | 119  | 1438198  | 154.803  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 1714531  | 154.726  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 2125469  | 157.329  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1796960  | 157.576  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 973541   | 146.498  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 972165   | 144.619  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 1747737  | 162.428  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 359665   | 150.276  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 888645   | 145.155  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75   | 102824   | 157.581  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 602750   | 160.161  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 319590   | 159.430  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 1474757  | 152.477  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 559747   | 163.299  | ug/l   | 99       |

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ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 06/02/2023  
Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:48:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 02 06:43:43 2023  
Response via : Initial Calibration

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

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

