

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101023\  
 Data File : VN079489.D  
 Acq On : 10 Oct 2023 13:36  
 Operator : JC\MD  
 Sample : VN1010WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1010WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Oct 11 06:17:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 239775   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 428769   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 381698   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 154892   | 50.000 | ug/l  | 0.00     |

10/11/2023  
 Supervised By :Mahesh  
 adoda

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 202495   | 52.085   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.180% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 158659   | 51.491   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 102.980% |      |
| 50) Toluene-d8              | 10.571 | 98    | 592348   | 53.130   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 106.260% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 185590   | 51.871   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 103.740% |      |

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|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 2.130 | 85  | 68794  | 20.022  | ug/l   | 99 |
| 3) Chloromethane             | 2.365 | 50  | 77935  | 18.179  | ug/l   | 96 |
| 4) Vinyl Chloride            | 2.518 | 62  | 85080  | 19.079  | ug/l   | 97 |
| 5) Bromomethane              | 2.948 | 94  | 33067  | 12.387  | ug/l   | 94 |
| 6) Chloroethane              | 3.118 | 64  | 59674  | 17.750  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 102224 | 19.416  | ug/l   | 97 |
| 8) Diethyl Ether             | 3.965 | 74  | 34440  | 18.348  | ug/l # | 56 |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 57139  | 18.571  | ug/l   | 97 |
| 10) Methyl Iodide            | 4.589 | 142 | 32018  | 11.992  | ug/l   | 92 |
| 11) Tert butyl alcohol       | 5.530 | 59  | 51513  | 88.036  | ug/l   | 99 |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 52250  | 18.444  | ug/l   | 84 |
| 13) Acrolein                 | 4.189 | 56  | 71895  | 123.396 | ug/l   | 95 |
| 14) Allyl chloride           | 5.024 | 41  | 83740  | 18.317  | ug/l # | 90 |
| 15) Acrylonitrile            | 5.724 | 53  | 161470 | 95.183  | ug/l   | 99 |
| 16) Acetone                  | 4.436 | 43  | 160107 | 103.830 | ug/l   | 93 |
| 17) Carbon Disulfide         | 4.712 | 76  | 158283 | 17.912  | ug/l   | 97 |
| 18) Methyl Acetate           | 5.030 | 43  | 134287 | 17.793  | ug/l # | 83 |
| 19) Methyl tert-butyl Ether  | 5.800 | 73  | 180195 | 19.576  | ug/l   | 94 |
| 20) Methylene Chloride       | 5.277 | 84  | 66642  | 19.367  | ug/l # | 86 |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 59680  | 18.037  | ug/l # | 84 |
| 22) Diisopropyl ether        | 6.677 | 45  | 203640 | 19.865  | ug/l # | 90 |
| 23) Vinyl Acetate            | 6.606 | 43  | 573899 | 99.524  | ug/l # | 88 |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 120970 | 19.281  | ug/l   | 97 |
| 25) 2-Butanone               | 7.489 | 43  | 220349 | 96.278  | ug/l # | 81 |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 97655  | 20.367  | ug/l   | 98 |
| 27) cis-1,2-Dichloroethene   | 7.489 | 96  | 68319  | 19.006  | ug/l   | 85 |
| 28) Bromochloromethane       | 7.818 | 49  | 43992  | 14.737  | ug/l # | 71 |
| 29) Tetrahydrofuran          | 7.847 | 42  | 141684 | 95.720  | ug/l # | 75 |
| 30) Chloroform               | 7.971 | 83  | 124148 | 19.584  | ug/l   | 96 |
| 31) Cyclohexane              | 8.259 | 56  | 102825 | 18.646  | ug/l   | 86 |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 104932 | 19.670  | ug/l   | 95 |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 86470  | 18.698  | ug/l   | 94 |
| 37) Ethyl Acetate            | 7.565 | 43  | 88364  | 19.203  | ug/l # | 93 |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 90203  | 19.484  | ug/l   | 95 |
| 39) Methylcyclohexane        | 9.606 | 83  | 85348  | 19.209  | ug/l # | 82 |
| 40) Benzene                  | 8.612 | 78  | 270700 | 19.710  | ug/l   | 96 |

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 Operator : JC\MD  
 Sample : VN1010WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1010WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Oct 11 06:17:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 41) Methacrylonitrile         | 7.783  | 41   | 47163    | 19.495  | ug/l  | #        | 85  |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 97951    | 19.628  | ug/l  |          | 98  |
| 43) Isopropyl Acetate         | 8.694  | 43   | 153899   | 19.090  | ug/l  | #        | 87  |
| 44) Trichloroethene           | 9.353  | 130  | 64321    | 19.898  | ug/l  |          | 94  |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 70885    | 19.589  | ug/l  |          | 93  |
| 46) Dibromomethane            | 9.712  | 93   | 45935    | 19.600  | ug/l  |          | 95  |
| 47) Bromodichloromethane      | 9.894  | 83   | 95036    | 19.713  | ug/l  |          | 98  |
| 48) Methyl methacrylate       | 9.688  | 41   | 65614    | 18.993  | ug/l  | #        | 81  |
| 49) 1,4-Dioxane               | 9.706  | 88   | 24737    | 388.743 | ug/l  | #        | 88  |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 444228   | 97.613  | ug/l  |          | 89  |
| 52) Toluene                   | 10.635 | 92   | 164849   | 20.391  | ug/l  |          | 98  |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 93441    | 19.233  | ug/l  |          | 99  |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 105221   | 19.784  | ug/l  | #        | 88  |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 63130    | 19.451  | ug/l  |          | 96  |
| 56) Ethyl methacrylate        | 10.877 | 69   | 89443    | 20.055  | ug/l  | #        | 80  |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 111144   | 19.832  | ug/l  |          | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 163482   | 95.716  | ug/l  |          | 88  |
| 59) 2-Hexanone                | 11.200 | 43   | 319041   | 97.151  | ug/l  |          | 86  |
| 60) Dibromochloromethane      | 11.365 | 129  | 63911    | 19.593  | ug/l  |          | 96  |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 63715    | 19.781  | ug/l  |          | 96  |
| 64) Tetrachloroethene         | 11.106 | 164  | 49540    | 18.867  | ug/l  |          | 99  |
| 65) Chlorobenzene             | 11.894 | 112  | 164853   | 19.393  | ug/l  |          | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 61951    | 19.904  | ug/l  |          | 96  |
| 67) Ethyl Benzene             | 11.971 | 91   | 288874   | 19.552  | ug/l  |          | 96  |
| 68) m/p-Xylenes               | 12.076 | 106  | 217249   | 40.469  | ug/l  |          | 94  |
| 69) o-Xylene                  | 12.400 | 106  | 104748   | 19.841  | ug/l  |          | 95  |
| 70) Styrene                   | 12.418 | 104  | 170344   | 20.427  | ug/l  |          | 98  |
| 71) Bromoform                 | 12.576 | 173  | 41893    | 18.391  | ug/l  | #        | 99  |
| 73) Isopropylbenzene          | 12.700 | 105  | 264882   | 18.382  | ug/l  |          | 99  |
| 74) N-amyl acetate            | 12.500 | 43   | 106555   | 18.037  | ug/l  | #        | 88  |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 97431    | 20.224  | ug/l  |          | 98  |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 82321m   | 18.433  | ug/l  |          |     |
| 77) Bromobenzene              | 12.982 | 156  | 62136    | 17.586  | ug/l  |          | 97  |
| 78) n-propylbenzene           | 13.041 | 91   | 313160   | 19.208  | ug/l  |          | 98  |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 192334   | 18.436  | ug/l  |          | 99  |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 221111   | 19.459  | ug/l  |          | 99  |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 23146    | 15.038  | ug/l  | #        | 80  |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 183760   | 18.510  | ug/l  |          | 98  |
| 83) tert-Butylbenzene         | 13.441 | 119  | 178377   | 19.160  | ug/l  |          | 99  |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 216406   | 19.956  | ug/l  |          | 99  |
| 85) sec-Butylbenzene          | 13.618 | 105  | 253312   | 19.507  | ug/l  |          | 100 |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 197357   | 19.811  | ug/l  |          | 99  |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 105058   | 18.747  | ug/l  |          | 97  |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 100172   | 17.311  | ug/l  |          | 99  |
| 89) n-Butylbenzene            | 14.059 | 91   | 153708   | 19.322  | ug/l  |          | 97  |
| 90) Hexachloroethane          | 14.335 | 117  | 39070    | 18.663  | ug/l  |          | 91  |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 99898    | 18.275  | ug/l  |          | 99  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 14590    | 17.510  | ug/l  |          | 94  |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 26716    | 15.780  | ug/l  |          | 97  |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 25173    | 19.091  | ug/l  |          | 98  |
| 95) Naphthalene               | 15.641 | 128  | 63088    | 12.203  | ug/l  |          | 99  |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 29898    | 14.798  | ug/l  |          | 97  |

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 Supervised By :Mahesh  
 Dadoda

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Data File : VN079489.D  
Acq On : 10 Oct 2023 13:36  
Operator : JC\MD  
Sample : VN1010WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1010WBSD01

Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

Quant Time: Oct 11 06:17:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 03:34:49 2023  
Response via : Initial Calibration

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

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Dadoda

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