

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014659.D  
 Acq On : 14 Jul 2023 19:50  
 Operator : SY/MD  
 Sample : 03632-06  
 Misc : 7.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-09-(3-5)

Quant Time: Jul 14 23:16:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2023  
 Supervised By :Semsettin Yesilyurt 07/17/2023

| Compound                    | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|-----------|--------|----------|
| -----                       |                |      |            |           |        |          |
| Internal Standards          |                |      |            |           |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 257792     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691          | 114  | 444696     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490         | 117  | 371107     | 50.000    | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.422         | 152  | 190941     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143          | 65   | 135727     | 46.203    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 92.400%   |        |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 136484     | 48.213    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 96.420%   |        |          |
| 50) Toluene-d8              | 10.185         | 98   | 1041187    | 99.762    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = | 199.520%# |        |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 468533m    | 117.080   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = | 234.160%# |        |          |
| Target Compounds            |                |      |            |           |        |          |
|                             |                |      |            |           | Qvalue |          |
| 16) Acetone                 | 3.942          | 43   | 79815      | 85.739    | ug/l # | 80       |
| 17) Carbon Disulfide        | 4.192          | 76   | 16026      | 2.205     | ug/l   | 96       |
| 31) Cyclohexane             | 7.771          | 56   | 3053182    | 626.100   | ug/l # | 50       |
| 39) Methylcyclohexane       | 9.185          | 83   | 5021292    | 910.424   | ug/l # | 78       |
| 67) Ethyl Benzene           | 11.593         | 91   | 2070765    | 145.029   | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.703         | 106  | 239466     | 43.936    | ug/l   | 91       |
| 69) o-Xylene                | 12.032         | 106  | 16837      | 3.172     | ug/l # | 19       |
| 73) Isopropylbenzene        | 12.331         | 105  | 1641338    | 109.783   | ug/l   | 100      |
| 78) n-propylbenzene         | 12.672         | 91   | 8104816    | 449.872   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.117         | 105  | 367864     | 30.021    | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.251         | 105  | 766279     | 47.162    | ug/l # | 49       |
| 86) p-Isopropyltoluene      | 13.367         | 119  | 165711m    | 12.492    | ug/l   |          |
| 89) n-Butylbenzene          | 13.696         | 91   | 2128852    | 164.947   | ug/l # | 81       |
| 95) Naphthalene             | 15.233         | 128  | 3960512    | 440.062   | ug/l   | 98       |
| -----                       |                |      |            |           |        |          |

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

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