

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053102.D
 Acq On : 14 Feb 2023 18:25
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 15 01:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/15/2023
 Supervised By :Mahesh Dadoda 02/15/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	250376	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230576	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	109903	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	102629	44.621	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.240%		
7) Chloroethane-d5	1.913	69	90763	46.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.260%		
11) 1,1-Dichloroethene-d2	2.563	63	142178	36.038	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.080%		
21) 2-Butanone-d5	4.627	46	119823	99.681	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.680%		
24) Chloroform-d	5.058	84	188144	46.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.740%		
26) 1,2-Dichloroethane-d4	5.695	65	121694	47.165	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.320%		
32) Benzene-d6	5.720	84	389909	47.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.800%		
36) 1,2-Dichloropropane-d6	6.685	67	129210	48.084	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.160%		
41) Toluene-d8	7.894	98	356903	46.861	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.720%		
43) trans-1,3-Dichloroprop...	8.174	79	64164	46.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.760%		
47) 2-Hexanone-d5	8.627	63	90849	97.871	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.870%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	165728	46.339	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.680%		
66) 1,2-Dichlorobenzene-d4	12.190	152	117111	47.933	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5188	2.025	ug/L	98
3) Chloromethane	1.518	50	5696	2.281	ug/L	97
5) Vinyl chloride	1.602	62	5713	2.134	ug/L #	59
6) Bromomethane	1.859	94	3484	2.048	ug/L	89
8) Chloroethane	1.933	64	3671	2.253	ug/L	88
9) Trichlorofluoromethane	2.135	101	7701	2.213	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	4970	2.554	ug/L	90
12) 1,1-Dichloroethene	2.576	96	4795	2.604	ug/L #	1
13) Acetone	2.650	43	4406m	5.794	ug/L	
14) Carbon disulfide	2.791	76	12196	2.044	ug/L	96
15) Methyl Acetate	2.955	43	3628	2.214	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	3727	1.993	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	12583	2.002	ug/L #	91
19) 1,1-Dichloroethane	3.865	63	7699	2.098	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	4391	2.016	ug/L	85
22) 2-Butanone	4.720	43	6238m	5.399	ug/L	
23) Bromochloromethane	4.971	128	2271	2.221	ug/L	83
25) Chloroform	5.077	83	9158	2.449	ug/L	92
27) 1,2-Dichloroethane	5.791	62	6243	2.151	ug/L #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053102.D
 Acq On : 14 Feb 2023 18:25
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 15 01:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/15/2023
 Supervised By :Mahesh Dadoda 02/15/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	7157	2.101	ug/L #	90
30) 1,1,1-Trichloroethane	5.315	97	6685	2.075	ug/L	99
31) Carbon tetrachloride	5.521	117	5525	2.018	ug/L	98
33) Benzene	5.769	78	17870	2.203	ug/L	100
34) Trichloroethene	6.537	95	4200	1.996	ug/L	94
35) Methylcyclohexane	6.759	83	7832	2.149	ug/L	97
37) 1,2-Dichloropropane	6.788	63	4779	2.137	ug/L #	90
38) Bromodichloromethane	7.103	83	5955	2.117	ug/L #	97
39) cis-1,3-Dichloropropene	7.605	75	7760	2.113	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	9918	4.164	ug/L	98
42) Toluene	7.968	91	17834	2.067	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	7134m	2.097	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	4161	2.051	ug/L	92
46) Tetrachloroethene	8.550	164	3001	2.153	ug/L	88
48) 2-Hexanone	8.682	43	11311m	6.018	ug/L	
49) Dibromochloromethane	8.807	129	4397	2.099	ug/L	93
50) 1,2-Dibromoethane	8.923	107	4529	2.102	ug/L #	92
51) Chlorobenzene	9.444	112	11136	2.084	ug/L	98
52) Ethylbenzene	9.566	91	19474	2.024	ug/L	99
53) m,p-Xylene	9.691	106	7220	1.996	ug/L	99
54) o-xylene	10.096	106	7157	1.995	ug/L	92
55) Styrene	10.112	104	11531	1.938	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	7385	2.245	ug/L #	94
59) Bromoform	10.286	173	2639	1.951	ug/L #	91
60) 1,2,3-Trichloropropane	10.817	75	4981	2.171	ug/L	95
61) Isopropylbenzene	10.482	105	18633	2.124	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	15310	2.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	14901	2.072	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	7356	2.047	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	7674	2.105	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	7918	2.180	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.993	75	1307	1.933	ug/L	96
69) 1,3,5-Trichlorobenzene	13.218	180	4399	1.806	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	3820	1.657	ug/L #	83
72) 1,2,3-Trichlorobenzene	14.328	180	4224	1.825	ug/L	97

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

