

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053099.D
 Acq On : 14 Feb 2023 17:14
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 15 01:11:46 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	250627	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230974	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	113810	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	105202	45.694	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.380%		
7) Chloroethane-d5	1.913	69	87986	45.154	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.300%		
11) 1,1-Dichloroethene-d2	2.566	63	148785	37.675	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.360%		
21) 2-Butanone-d5	4.627	46	126303	104.966	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.970%		
24) Chloroform-d	5.058	84	196037	48.268	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.540%		
26) 1,2-Dichloroethane-d4	5.698	65	126062	48.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.620%		
32) Benzene-d6	5.723	84	405796	49.249	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.500%		
36) 1,2-Dichloropropane-d6	6.688	67	133819	49.714	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.420%		
41) Toluene-d8	7.894	98	374670	49.109	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.220%		
43) trans-1,3-Dichloroprop...	8.177	79	67556	49.277	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.560%		
47) 2-Hexanone-d5	8.630	63	93355	100.397	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.400%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	175416	48.963	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.920%		
66) 1,2-Dichlorobenzene-d4	12.189	152	124747	49.305	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	13317	5.193	ug/L	96
3) Chloromethane	1.521	50	12413	4.966	ug/L	99
5) Vinyl chloride	1.604	62	13600	5.076	ug/L	89
6) Bromomethane	1.858	94	8267	4.854	ug/L	98
8) Chloroethane	1.932	64	7794	4.779	ug/L	99
9) Trichlorofluoromethane	2.138	101	17236	4.948	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	10119	5.195	ug/L	96
12) 1,1-Dichloroethene	2.579	96	10286	5.581	ug/L #	1
13) Acetone	2.640	43	8701	11.430	ug/L	92
14) Carbon disulfide	2.791	76	30260	5.066	ug/L	100
15) Methyl Acetate	2.948	43	8019	4.888	ug/L	100
16) Methylene chloride	3.042	84	11523	5.439	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	9579	5.116	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	30719	4.883	ug/L	99
19) 1,1-Dichloroethane	3.868	63	17978	4.895	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	10658	4.888	ug/L	93
22) 2-Butanone	4.710	43	13245m	11.451	ug/L	
23) Bromochloromethane	4.971	128	5063	4.947	ug/L	96
25) Chloroform	5.087	83	18985	5.072	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	15128	5.208	ug/L #	94
29) Cyclohexane	5.386	56	15310	4.486	ug/L	96
30) 1,1,1-Trichloroethane	5.312	97	14977	4.641	ug/L	98
31) Carbon tetrachloride	5.524	117	12705	4.633	ug/L	97
33) Benzene	5.771	78	42745	5.261	ug/L	100
34) Trichloroethene	6.537	95	10895	5.168	ug/L	97
35) Methylcyclohexane	6.759	83	15302	4.191	ug/L	95
37) 1,2-Dichloropropane	6.787	63	10692	4.772	ug/L	99
38) Bromodichloromethane	7.103	83	14353	5.093	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	18160	4.936	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	24012	10.064	ug/L	100
42) Toluene	7.968	91	41605	4.814	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	17461m	5.124	ug/L	
45) 1,1,2-Trichloroethane	8.395	97	9812	4.829	ug/L	94
46) Tetrachloroethene	8.553	164	6194	4.435	ug/L	96
48) 2-Hexanone	8.681	43	22880m	12.153	ug/L	
49) Dibromochloromethane	8.807	129	9912	4.723	ug/L	94
50) 1,2-Dibromoethane	8.922	107	10916	5.058	ug/L	92
51) Chlorobenzene	9.443	112	24863	4.644	ug/L	97
52) Ethylbenzene	9.569	91	42314	4.390	ug/L	97
53) m,p-Xylene	9.691	106	15801	4.360	ug/L	99
54) o-xylene	10.096	106	14920	4.152	ug/L	87
55) Styrene	10.112	104	26056	4.372	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	16284	4.941	ug/L	98
59) Bromoform	10.289	173	6667	4.759	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	11842	4.985	ug/L	97
61) Isopropylbenzene	10.482	105	39286	4.324	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	32037	4.164	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	32972	4.428	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	16754	4.503	ug/L	93
65) 1,4-Dichlorobenzene	11.832	146	16498	4.371	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	16878	4.488	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.993	75	3669	5.240	ug/L	91
69) 1,3,5-Trichlorobenzene	13.215	180	9599	3.806	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	8981	3.762	ug/L	99
71) Naphthalene	14.086	128	33014	3.602	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	9627	4.016	ug/L	99

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

