

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052948.D
 Acq On : 03 Feb 2023 16:31
 Operator : JC/MD
 Sample : 01378-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 04 00:34:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	201090	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	198870	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	103129	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58356	40.319	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.640%		
7) Chloroethane-d5	1.913	69	58789	49.295	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.600%		
11) 1,1-Dichloroethene-d2	2.565	63	97038	33.708	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.420%		
21) 2-Butanone-d5	4.623	46	74070	82.842	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.840%		
24) Chloroform-d	5.057	84	150864	48.840	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.680%		
26) 1,2-Dichloroethane-d4	5.697	65	100656	51.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.060%		
32) Benzene-d6	5.723	84	276911	45.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.160%		
36) 1,2-Dichloropropane-d6	6.684	67	84097	47.194	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.380%		
41) Toluene-d8	7.893	98	243564	44.024	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.040%		
43) trans-1,3-Dichloroprop...	8.176	79	40675	45.542	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.080%		
47) 2-Hexanone-d5	8.629	63	46106	73.638	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.640%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	116998	44.439	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.880%		
66) 1,2-Dichlorobenzene-d4	12.189	152	99566	49.721	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4241	2.252	ug/L	92
3) Chloromethane	1.520	50	4268	2.748	ug/L	99
5) Vinyl chloride	1.604	62	4257	2.478	ug/L #	72
6) Bromomethane	1.858	94	3257	3.006	ug/L	87
8) Chloroethane	1.932	64	2761	2.559	ug/L	97
9) Trichlorofluoromethane	2.138	101	7494	2.604	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	4803	2.961	ug/L	84
12) 1,1-Dichloroethene	2.578	96	4493	3.020	ug/L #	1
13) Acetone	2.639	43	4180	3.828	ug/L	95
14) Carbon disulfide	2.790	76	9483	2.111	ug/L #	95
15) Methyl Acetate	2.957	43	3157m	2.146	ug/L	
17) trans-1,2-Dichloroethene	3.356	96	3425	2.131	ug/L	90
18) Methyl tert-butyl Ether	3.359	73	10343	2.188	ug/L #	89
19) 1,1-Dichloroethane	3.871	63	6237	2.212	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	3825	2.229	ug/L	84
22) 2-Butanone	4.716	43	4497m	3.853	ug/L	
23) Bromochloromethane	4.967	128	2057m	2.134	ug/L	
25) Chloroform	5.083	83	8192	2.588	ug/L	83
27) 1,2-Dichloroethane	5.793	62	6319	2.522	ug/L #	91

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29) Cyclohexane	5.385	56	4611m	1.957	ug/L	
30) 1,1,1-Trichloroethane	5.314	97	6907	2.361	ug/L	99
31) Carbon tetrachloride	5.520	117	5703	2.249	ug/L	95
33) Benzene	5.771	78	14852	2.194	ug/L	100
34) Trichloroethene	6.543	95	3873	2.251	ug/L	94
35) Methylcyclohexane	6.758	83	5359	1.968	ug/L	97
37) 1,2-Dichloropropane	6.784	63	3656	2.197	ug/L #	96
38) Bromodichloromethane	7.102	83	5468	2.239	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	5569	2.136	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	6765	3.450	ug/L	97
42) Toluene	7.967	91	15655	2.256	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	5580	2.178	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	4131	2.427	ug/L	91
46) Tetrachloroethene	8.552	164	3638	2.455	ug/L	84
49) Dibromochloromethane	8.806	129	4658	2.289	ug/L	96
50) 1,2-Dibromoethane	8.919	107	3916	2.138	ug/L #	97
51) Chlorobenzene	9.443	112	11819	2.476	ug/L	95
52) Ethylbenzene	9.568	91	15203	2.050	ug/L	95
53) m,p-Xylene	9.694	106	5352	1.783	ug/L	100
54) o-xylene	10.095	106	5999	2.094	ug/L	84
55) Styrene	10.108	104	8952	1.821	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	6174	2.242	ug/L	95
59) Bromoform	10.285	173	3279	2.320	ug/L #	97
60) 1,2,3-Trichloropropane	10.819	75	4613	2.306	ug/L	99
61) Isopropylbenzene	10.478	105	13229	1.986	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	10420	1.879	ug/L	95
63) 1,2,4-Trimethylbenzene	11.462	105	10091	1.880	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	7307	2.174	ug/L	91
65) 1,4-Dichlorobenzene	11.835	146	8597	2.471	ug/L	97
67) 1,2-Dichlorobenzene	12.205	146	10894	3.205	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	1208	2.107	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.218	180	5557	2.234	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	4355	2.088	ug/L	91
72) 1,2,3-Trichlorobenzene	14.327	180	4292	1.947	ug/L	96

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

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