

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110121\
 Data File : VU045486.D
 Acq On : 01 Nov 2021 13:30
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/02/2021
 Supervised By :Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 02:46:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 02 02:33:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	287540	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	280065	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	136939	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	93746	40.057	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.120%		
7) Chloroethane-d5	1.916	69	86099	45.907	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.820%		
11) 1,1-Dichloroethene-d2	2.572	63	139273	33.508	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.020%		
21) 2-Butanone-d5	4.629	46	223243	113.985	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.980%		
24) Chloroform-d	5.067	84	197160	46.958	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.920%		
26) 1,2-Dichloroethane-d4	5.707	65	139171	50.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.260%		
32) Benzene-d6	5.732	84	403408	46.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.220%		
36) 1,2-Dichloropropane-d6	6.694	67	136189	48.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.220%		
41) Toluene-d8	7.903	98	351914	46.609	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.220%		
43) trans-1,3-Dichloroprop...	8.182	79	63863	48.517	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.040%		
47) 2-Hexanone-d5	8.636	63	155409	103.920	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.920%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	207948	49.460	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.920%		
66) 1,2-Dichlorobenzene-d4	12.195	152	134883	48.686	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.380%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5738	2.258	ug/L	98
3) Chloromethane	1.520	50	8036	2.620	ug/L	95
5) Vinyl chloride	1.604	62	7354	2.550	ug/L #	76
6) Bromomethane	1.861	94	3811	2.567	ug/L	95
8) Chloroethane	1.935	64	4655	2.732	ug/L	99
9) Trichlorofluoromethane	2.141	101	8117	2.378	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6292	3.025	ug/L #	81
12) 1,1-Dichloroethene	2.585	96	5711	2.910	ug/L #	1
13) Acetone	2.646	43	8960	5.578	ug/L	97
14) Carbon disulfide	2.800	76	13955	2.487	ug/L	100
15) Methyl Acetate	2.958	43	8203	3.023	ug/L	96
16) Methylene chloride	3.051	84	6505	2.686	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	5105	2.431	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	19672	2.672	ug/L	99
19) 1,1-Dichloroethane	3.874	63	10582	2.528	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	6230	2.601	ug/L	95
22) 2-Butanone	4.716	43	10500	4.787	ug/L	96
23) Bromochloromethane	4.980	128	2908	2.522	ug/L	95
25) Chloroform	5.092	83	11359	2.712	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	9643	2.815	ug/L	96
29) Cyclohexane	5.395	56	9103	2.267	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	8396	2.361	ug/L	98
31) Carbon tetrachloride	5.530	117	6430	2.287	ug/L	99
33) Benzene	5.777	78	24125	2.483	ug/L	100
34) Trichloroethene	6.546	95	5806	2.490	ug/L	97
35) Methylcyclohexane	6.768	83	9092	2.244	ug/L	99
37) 1,2-Dichloropropane	6.797	63	6689	2.594	ug/L #	93
38) Bromodichloromethane	7.108	83	7780	2.399	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	9974	2.528	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	19458	5.112	ug/L	97
42) Toluene	7.973	91	29871	2.955	ug/L	98
44) trans-1,3-Dichloropropene	8.215	75	9840m	2.645	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	6309	2.634	ug/L	96
46) Tetrachloroethene	8.555	164	3796	2.295	ug/L	93
48) 2-Hexanone	8.687	43	20166	6.361	ug/L	99
49) Dibromochloromethane	8.813	129	5730	2.483	ug/L	99
50) 1,2-Dibromoethane	8.925	107	6511	2.590	ug/L #	96
51) Chlorobenzene	9.449	112	16019	2.623	ug/L	98
52) Ethylbenzene	9.571	91	25462	2.375	ug/L	100
53) m,p-Xylene	9.697	106	9934	2.421	ug/L	85
54) o-xylene	10.102	106	9609	2.364	ug/L	98
55) Styrene	10.118	104	15153	2.219	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	11600	2.726	ug/L	99
59) Bromoform	10.295	173	3872	2.452	ug/L #	92
60) 1,2,3-Trichloropropane	10.825	75	9387	2.784	ug/L	98
61) Isopropylbenzene	10.488	105	23776	2.349	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	19285	2.237	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	19833	2.264	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	10908	2.437	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	12053	2.661	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	12220	2.638	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	2485	2.524	ug/L	94
69) 1,3,5-Trichlorobenzene	13.224	180	7715	2.337	ug/L	98
70) 1,2,4-trichlorobenzene	13.845	180	7559	2.506	ug/L	98
71) Naphthalene	14.089	128	27679	2.408	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	8160	2.643	ug/L	97

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

