

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072022\
 Data File : VU049796.D
 Acq On : 20 Jul 2022 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Jul 21 04:16:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 04:27:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	178826	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	172795	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	87489	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75605	50.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.220%	
7) Chloroethane-d5	1.903	69	57332	52.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.140%	
11) 1,1-Dichloroethene-d2	2.565	63	132359	49.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.320%	
21) 2-Butanone-d5	4.623	46	140922	109.408	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.410%	
24) Chloroform-d	5.063	84	145947	54.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.220%	
26) 1,2-Dichloroethane-d4	5.700	65	96789	53.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.020%	
32) Benzene-d6	5.726	84	267125	50.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.780%	
36) 1,2-Dichloropropane-d6	6.690	67	93416	52.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 105.820%	
41) Toluene-d8	7.899	98	234276	51.247	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.500%	
43) trans-1,3-Dichloroprop...	8.179	79	39235	52.740	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.480%	
47) 2-Hexanone-d5	8.632	63	79859	100.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 100.550%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131670	53.295	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.580%	
66) 1,2-Dichlorobenzene-d4	12.192	152	83571	50.663	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104888	48.931	ug/L	98
3) Chloromethane	1.520	50	119275	50.699	ug/L	97
5) Vinyl chloride	1.600	62	103815	48.834	ug/L	99
6) Bromomethane	1.842	94	51779	52.716	ug/L	98
8) Chloroethane	1.925	64	59650	50.652	ug/L	99
9) Trichlorofluoromethane	2.131	101	137369	52.323	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	72038	52.292	ug/L	99
12) 1,1-Dichloroethene	2.575	96	64882	50.747	ug/L	91
13) Acetone	2.626	43	167483	136.822	ug/L	98
14) Carbon disulfide	2.790	76	191099	44.323	ug/L	99
15) Methyl Acetate	2.948	43	118380	59.526	ug/L	99
16) Methylene chloride	3.041	84	88622	55.043	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	71723	51.280	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	264715	55.256	ug/L	100
19) 1,1-Dichloroethane	3.867	63	160431	55.096	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	85873	54.629	ug/L	95
22) 2-Butanone	4.700	43	208838	127.428	ug/L	100
23) Bromochloromethane	4.973	128	45341	57.808	ug/L	91
25) Chloroform	5.086	83	169197	57.947	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	137854	55.446	ug/L	100
29) Cyclohexane	5.388	56	128206	47.534	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	138110	55.209	ug/L	98
31) Carbon tetrachloride	5.523	117	113359	55.405	ug/L	100
33) Benzene	5.774	78	349671	53.836	ug/L	100
34) Trichloroethene	6.542	95	81968	52.208	ug/L	97
35) Methylcyclohexane	6.764	83	120483	48.835	ug/L	97
37) 1,2-Dichloropropane	6.790	63	98661	54.803	ug/L	99
38) Bromodichloromethane	7.105	83	124907	55.961	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	138819	57.175	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	329380	113.017	ug/L	99
42) Toluene	7.970	91	352908	54.670	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	131866	57.843	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89198	56.764	ug/L	99
46) Tetrachloroethene	8.552	164	58302	53.542	ug/L	99
48) 2-Hexanone	8.684	43	278538	119.596	ug/L	99
49) Dibromochloromethane	8.809	129	95091	60.166	ug/L	95
50) 1,2-Dibromoethane	8.925	107	93085	59.634	ug/L	98
51) Chlorobenzene	9.446	112	210527	53.855	ug/L	99
52) Ethylbenzene	9.571	91	363238	53.324	ug/L	100
53) m,p-Xylene	9.693	106	135766	54.811	ug/L	95
54) o-Xylene	10.098	106	136354	54.671	ug/L	96
55) Styrene	10.115	104	231875	56.335	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	159519	56.711	ug/L	98
59) Bromoform	10.291	173	68040	57.983	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	128987	55.351	ug/L	99
61) Isopropylbenzene	10.484	105	348925	53.412	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	296852	53.871	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	297685	54.378	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	156711	54.952	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	152377	53.192	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	162104	54.666	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.995	75	38745	56.742	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	108286	54.189	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	93785	51.142	ug/L	99
71) Naphthalene	14.085	128	330780	50.458	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	102673	54.051	ug/L	100

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

