

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083022\
 Data File : VU050545.D
 Acq On : 31 Aug 2022 03:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050183

Quant Time: Aug 31 04:24:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 31 01:47:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	353481	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	349253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	158653	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	125512	46.296	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.600%
7) Chloroethane-d5	1.900	69	108633	51.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.562	63	213403	46.621	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	4.626	46	235395	99.280	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.280%
24) Chloroform-d	5.063	84	265886	50.403	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.700	65	172151	50.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
32) Benzene-d6	5.726	84	531314	49.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.160%
36) 1,2-Dichloropropane-d6	6.690	67	179247	49.732	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.460%
41) Toluene-d8	7.896	98	466863	49.575	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.160%
43) trans-1,3-Dichloroprop...	8.179	79	62020	42.786	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.580%
47) 2-Hexanone-d5	8.636	63	124172	95.150	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.150%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	272633	48.495	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	150522	43.820	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	96406	43.321	ug/L	98
3) Chloromethane	1.517	50	176063	47.754	ug/L	98
5) Vinyl chloride	1.601	62	161024	47.300	ug/L	99
6) Bromomethane	1.842	94	71196	45.661	ug/L	97
8) Chloroethane	1.922	64	105560	49.270	ug/L	99
9) Trichlorofluoromethane	2.131	101	178180	45.502	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	101252	43.437	ug/L	99
12) 1,1-Dichloroethene	2.575	96	115036	47.227	ug/L	99
13) Acetone	2.629	43	176999	96.096	ug/L	100
14) Carbon disulfide	2.787	76	234347	39.152	ug/L	99
15) Methyl Acetate	2.948	43	191006	50.529	ug/L	100
16) Methylene chloride	3.041	84	184101	46.491	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	126735	48.040	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	449129	50.227	ug/L	99
19) 1,1-Dichloroethane	3.867	63	267557	49.784	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	157010	50.003	ug/L	98
22) 2-Butanone	4.703	43	280983	98.627	ug/L	99
23) Bromochloromethane	4.973	128	84665	50.376	ug/L	97
25) Chloroform	5.086	83	278972	50.280	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	224152	50.930	ug/L	100
29) Cyclohexane	5.388	56	169634	43.463	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	200589	47.404	ug/L	100
31) Carbon tetrachloride	5.523	117	147596	45.684	ug/L	97
33) Benzene	5.774	78	625360	49.289	ug/L	100
34) Trichloroethene	6.542	95	133793	45.954	ug/L	99
35) Methylcyclohexane	6.764	83	163207	41.692	ug/L	99
37) 1,2-Dichloropropane	6.790	63	170268	49.016	ug/L	100
38) Bromodichloromethane	7.105	83	186699	47.502	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	193400	42.256	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	500550	99.547	ug/L	100
42) Toluene	7.970	91	627623	49.861	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	180264	43.234	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	165820	49.179	ug/L	99
46) Tetrachloroethene	8.552	164	91513	44.934	ug/L	95
48) 2-Hexanone	8.684	43	422240	98.230	ug/L	98
49) Dibromochloromethane	8.809	129	138510	47.315	ug/L	98
50) 1,2-Dibromoethane	8.922	107	169723	48.764	ug/L	100
51) Chlorobenzene	9.446	112	375038	47.876	ug/L	98
52) Ethylbenzene	9.571	91	589035	48.346	ug/L	100
53) m,p-Xylene	9.693	106	226429	49.328	ug/L	100
54) o-Xylene	10.102	106	234259	50.167	ug/L	100
55) Styrene	10.115	104	399413	51.545	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	294148	48.895	ug/L	100
59) Bromoform	10.291	173	97252	45.782	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	229868	48.267	ug/L	99
61) Isopropylbenzene	10.484	105	536361	47.413	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	446091	47.968	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	438313	48.524	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	245723	45.522	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	242318	44.270	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	252844	43.208	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	37918	33.365	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	113153	30.633	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	106304	32.356	ug/L	99
71) Naphthalene	14.086	128	451254	33.476	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	154551	40.703	ug/L	99

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

