

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047077.D
 Acq On : 10 Feb 2022 16:10
 Operator : SY/MD
 Sample : VSTD20047
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200047

Quant Time: Feb 10 16:24:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 10 16:03:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	504015	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	475594	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	271381	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	913978	205.382	ug/L	0.00
7) Chloroethane-d5	1.909	69	685478	206.311	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	1511121	201.468	ug/L	0.00
21) 2-Butanone-d5	4.620	46	1427142	431.627	ug/L	0.00
24) Chloroform-d	5.067	84	1479286	190.987	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	941755	191.582	ug/L	0.00
32) Benzene-d6	5.732	84	3117223	207.240	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	1012783	217.097	ug/L	0.00
41) Toluene-d8	7.899	98	2946901	217.376	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	542111	238.101	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	1286497	520.403	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	1594486	223.949	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	1261261	218.209	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	903247	196.364	ug/L	99
3) Chloromethane	1.527	50	881086	210.413	ug/L	100
5) Vinyl chloride	1.607	62	903536	209.960	ug/L	100
6) Bromomethane	1.848	94	558108	206.498	ug/L	98
8) Chloroethane	1.932	64	524202	201.379	ug/L	96
9) Trichlorofluoromethane	2.141	101	1023009	167.655	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	632316	181.880	ug/L	97
12) 1,1-Dichloroethene	2.584	96	623546	188.908	ug/L	91
13) Acetone	2.623	43	818579	277.304	ug/L	96
14) Carbon disulfide	2.800	76	1996435	201.018	ug/L	99
15) Methyl Acetate	2.945	43	854214	217.048	ug/L	94
16) Methylene chloride	3.051	84	705078	174.852	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	664247	192.450	ug/L	93
18) Methyl tert-butyl Ether	3.366	73	2230972	213.686	ug/L	96
19) 1,1-Dichloroethane	3.874	63	1243588	196.748	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	737690	198.876	ug/L	# 93
22) 2-Butanone	4.700	43	1276908	369.227	ug/L	95
23) Bromochloromethane	4.980	128	386624	195.597	ug/L	97
25) Chloroform	5.092	83	1211876	178.841	ug/L	99
27) 1,2-Dichloroethane	5.796	62	959571	183.986	ug/L	100
29) Cyclohexane	5.395	56	1194828	232.569	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	1070396	187.454	ug/L	99
31) Carbon tetrachloride	5.530	117	930185	187.412	ug/L	99
33) Benzene	5.777	78	2804756	199.705	ug/L	100
34) Trichloroethene	6.546	95	721598	194.964	ug/L	98
35) Methylcyclohexane	6.768	83	1241443	215.153	ug/L	96
37) 1,2-Dichloropropane	6.793	63	755008	208.382	ug/L	98
38) Bromodichloromethane	7.108	83	967775	196.600	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	1266571	224.276	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	2458926	481.964	ug/L	95
42) Toluene	7.970	91	3077159	207.300	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	1230687	224.732	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	713777	195.179	ug/L	96
46) Tetrachloroethene	8.555	164	577134	203.771	ug/L	97
48) 2-Hexanone	8.684	43	2002507	467.415	ug/L	95
49) Dibromochloromethane	8.812	129	828397	203.568	ug/L	100
50) 1,2-Dibromoethane	8.925	107	800568	208.296	ug/L	99
51) Chlorobenzene	9.449	112	1988941	205.075	ug/L	99
52) Ethylbenzene	9.571	91	3423243	215.797	ug/L	100
53) m,p-Xylene	9.697	106	1357561	220.842	ug/L	96
54) o-xylene	10.102	106	1336228	226.693	ug/L	98
55) Styrene	10.118	104	2340946	227.890	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	1358394	211.947	ug/L	99
59) Bromoform	10.291	173	703262	210.265	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	1084948	191.858	ug/L	96
61) Isopropylbenzene	10.488	105	3462849	208.376	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	2522842	188.069	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	3100622	222.943	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	1683301	202.656	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	1693875	196.624	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	1679011	201.731	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	357128	209.849	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	1323668	207.164	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	1256170	226.830	ug/L	99
71) Naphthalene	14.086	128	4367306	241.133	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	1228749	221.061	ug/L	98

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

