

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044775.D
 Acq On : 23 Sep 2021 10:46
 Operator : SY/MD
 Sample : VSTD10016
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100016

Quant Time: Sep 24 05:17:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 24 05:15:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	272353	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275142	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	151470	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	294289	123.598	ug/L	0.00
7) Chloroethane-d5	1.896	69	231779	131.204	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	495590	122.144	ug/L	0.00
21) 2-Butanone-d5	4.623	46	498719	266.860	ug/L	0.00
24) Chloroform-d	5.067	84	466255	116.897	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	311754	123.574	ug/L	0.00
32) Benzene-d6	5.732	84	936174	111.274	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	304401	110.920	ug/L	0.00
41) Toluene-d8	7.903	98	846385	112.810	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	142617	118.126	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	385878	284.238	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	496476	119.463	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.198	152	327318	107.764	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	252941	107.847	ug/L	99
3) Chloromethane	1.520	50	293752	102.403	ug/L	100
5) Vinyl chloride	1.607	62	304457	109.587	ug/L	99
6) Bromomethane	1.835	94	146031	112.401	ug/L	100
8) Chloroethane	1.919	64	189203	117.354	ug/L	100
9) Trichlorofluoromethane	2.134	101	344644	109.201	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	214503	105.172	ug/L	100
12) 1,1-Dichloroethene	2.578	96	205051	102.806	ug/L	96
13) Acetone	2.629	43	471958	305.430	ug/L	99
14) Carbon disulfide	2.793	76	657229	104.372	ug/L	100
15) Methyl Acetate	2.948	43	324961	112.310	ug/L	100
16) Methylene chloride	3.047	84	248494	84.080	ug/L	100
17) trans-1,2-Dichloroethene	3.356	96	216219	104.683	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	740550	115.912	ug/L	99
19) 1,1-Dichloroethane	3.874	63	443793	108.427	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	245225	107.788	ug/L	97
22) 2-Butanone	4.703	43	593706	266.241	ug/L	100
23) Bromochloromethane	4.980	128	119562	98.204	ug/L	98
25) Chloroform	5.092	83	434808	108.305	ug/L	98
27) 1,2-Dichloroethane	5.797	62	368109	116.511	ug/L	100
29) Cyclohexane	5.391	56	418980	111.255	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	360660	105.311	ug/L	99
31) Carbon tetrachloride	5.530	117	288651	104.088	ug/L	100
33) Benzene	5.777	78	968960	102.222	ug/L	100
34) Trichloroethene	6.546	95	232872	101.255	ug/L	99
35) Methylcyclohexane	6.768	83	411270	111.413	ug/L	99
37) 1,2-Dichloropropane	6.793	63	263354	101.694	ug/L	100
38) Bromodichloromethane	7.108	83	326916	105.880	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	408646	114.582	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	954006	239.595	ug/L	100
42) Toluene	7.973	91	1028374	104.304	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	387356	115.113	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	238534	100.474	ug/L	99
46) Tetrachloroethene	8.555	164	166985	94.503	ug/L	97
48) 2-Hexanone	8.690	43	839033	256.082	ug/L	99
49) Dibromochloromethane	8.812	129	244087	101.159	ug/L	100
50) 1,2-Dibromoethane	8.928	107	257208	104.204	ug/L	99
51) Chlorobenzene	9.449	112	623709	102.564	ug/L	99
52) Ethylbenzene	9.575	91	1122427	110.122	ug/L	100
53) m,p-Xylene	9.697	106	432792	112.336	ug/L	99
54) o-xylene	10.105	106	427448	111.792	ug/L	97
55) Styrene	10.118	104	758311	117.343	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	475804	109.360	ug/L	100
59) Bromoform	10.295	173	185486	94.374	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	390035	106.544	ug/L	100
61) Isopropylbenzene	10.488	105	1111421	109.442	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	967194	114.560	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	998307	117.340	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	500194	102.985	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	502667	101.404	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	509223	100.711	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	119535	117.140	ug/L	98
69) 1,3,5-Trichlorobenzene	13.224	180	356427	100.069	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	308331	101.475	ug/L	100
71) Naphthalene	14.089	128	1159726	113.165	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	312056	98.072	ug/L	99

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

