

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053092.D
 Acq On : 14 Feb 2023 12:21
 Operator : JC/MD
 Sample : VSTD00579
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005079

Quant Time: Feb 15 00:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	251352	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	230109	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	11174	4.791	ug/L	0.00
7) Chloroethane-d5	1.913	69	8784	4.603	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	18550	5.060	ug/L	0.00
21) 2-Butanone-d5	4.633	46	10832	11.221	ug/L	0.00
24) Chloroform-d	5.058	84	18676	4.762	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	12315	5.179	ug/L	0.00
32) Benzene-d6	5.723	84	38635	4.970	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	12590	5.169	ug/L	0.00
41) Toluene-d8	7.894	98	35419	4.719	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	6308	4.827	ug/L	0.00
47) 2-Hexanone-d5	8.633	63	8262	10.871	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	16585	4.998	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	11963	4.829	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	12076	5.735	ug/L	98
3) Chloromethane	1.518	50	12622	6.426	ug/L	99
5) Vinyl chloride	1.604	62	12822	5.450	ug/L	96
6) Bromomethane	1.858	94	8347	5.274	ug/L	94
8) Chloroethane	1.936	64	7877	5.482	ug/L	99
9) Trichlorofluoromethane	2.135	101	16397	4.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	9589	5.388	ug/L	97
12) 1,1-Dichloroethene	2.579	96	9302	5.497	ug/L	89
13) Acetone	2.640	43	7574	9.322	ug/L	94
14) Carbon disulfide	2.791	76	31066	6.072	ug/L	99
15) Methyl Acetate	2.952	43	8207	6.371	ug/L	94
16) Methylene chloride	3.042	84	10932	5.376	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	9272	5.161	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	29703	5.226	ug/L	95
19) 1,1-Dichloroethane	3.862	63	17395	5.478	ug/L	98
20) cis-1,2-Dichloroethene	4.659	96	10725	5.293	ug/L	100
22) 2-Butanone	4.717	43	11067	10.986	ug/L	97
23) Bromochloromethane	4.971	128	4814	4.474	ug/L	86
25) Chloroform	5.087	83	18279	5.270	ug/L	99
27) 1,2-Dichloroethane	5.791	62	13931	5.507	ug/L	97
29) Cyclohexane	5.382	56	16339	5.682	ug/L	97
30) 1,1,1-Trichloroethane	5.312	97	15476	5.118	ug/L	98
31) Carbon tetrachloride	5.521	117	12674	4.816	ug/L	98
33) Benzene	5.771	78	39311	5.398	ug/L	100
34) Trichloroethene	6.540	95	10200	5.198	ug/L	97
35) Methylcyclohexane	6.759	83	17548	5.243	ug/L	98
37) 1,2-Dichloropropane	6.787	63	11078	5.880	ug/L	100
38) Bromodichloromethane	7.099	83	13213	5.002	ug/L #	98
39) cis-1,3-Dichloropropene	7.601	75	17498	5.468	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	24562	13.221	ug/L	98
42) Toluene	7.968	91	41842	5.148	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	15619	5.068	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	9710	5.120	ug/L	96
46) Tetrachloroethene	8.549	164	6635	4.422	ug/L	95
48) 2-Hexanone	8.681	43	21112	14.412	ug/L	96
49) Dibromochloromethane	8.803	129	9936	4.507	ug/L	93
50) 1,2-Dibromoethane	8.919	107	10242	5.000	ug/L	94
51) Chlorobenzene	9.443	112	25808	4.968	ug/L	99
52) Ethylbenzene	9.566	91	45880	5.102	ug/L	99
53) m,p-Xylene	9.691	106	16890	4.793	ug/L	99
54) o-xylene	10.096	106	17034	4.893	ug/L	91
55) Styrene	10.112	104	27398	4.694	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	15879	5.367	ug/L	98
59) Bromoform	10.286	173	6590	4.566	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	12504	6.502	ug/L	98
61) Isopropylbenzene	10.479	105	44278	5.567	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	37695	5.447	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	37474	5.582	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	18592	5.342	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	19455	5.533	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	19010	5.407	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	3639	6.239	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.215	180	13342	5.107	ug/L	96
70) 1,2,4-trichlorobenzene	13.835	180	13611	5.784	ug/L	100
71) Naphthalene	14.083	128	64765	8.962	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	14540	6.298	ug/L	99

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

