

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052620.D
 Acq On : 06 Jan 2023 11:14
 Operator : JC/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010062

Quant Time: Jan 07 00:20:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:16:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	308949	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	311586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	166481	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	36439	12.994	ug/L	0.00
7) Chloroethane-d5	1.916	69	29408	13.941	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	62260	13.260	ug/L	0.00
21) 2-Butanone-d5	4.626	46	43666	21.896	ug/L	0.00
24) Chloroform-d	5.060	84	58598	12.094	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	38529	12.455	ug/L	0.00
32) Benzene-d6	5.726	84	110724	11.285	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	39391	12.733	ug/L	0.00
41) Toluene-d8	7.896	98	90923	10.467	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	16367	11.292	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	22257	14.914	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	51579	11.155	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	32886	9.828	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	30654	11.310	ug/L	99
3) Chloromethane	1.520	50	41577	15.753	ug/L	99
5) Vinyl chloride	1.607	62	38326	14.418	ug/L	98
6) Bromomethane	1.861	94	17911	11.152	ug/L	95
8) Chloroethane	1.935	64	24847	15.168	ug/L	96
9) Trichlorofluoromethane	2.141	101	43949	11.672	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	26634	12.452	ug/L	98
12) 1,1-Dichloroethene	2.581	96	23664	11.822	ug/L	93
13) Acetone	2.626	43	53989	28.935	ug/L	96
14) Carbon disulfide	2.797	76	74966	12.511	ug/L	99
15) Methyl Acetate	2.948	43	38415	15.479	ug/L	100
16) Methylene chloride	3.047	84	32733	13.009	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	25302	12.070	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	75383	11.984	ug/L	100
19) 1,1-Dichloroethane	3.871	63	57148	14.339	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	26532	11.787	ug/L	98
22) 2-Butanone	4.707	43	57889	26.963	ug/L	95
23) Bromochloromethane	4.970	128	14313	11.974	ug/L	95
25) Chloroform	5.086	83	55715	13.147	ug/L	98
27) 1,2-Dichloroethane	5.793	62	45539	13.853	ug/L	99
29) Cyclohexane	5.385	56	39713	12.004	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	42896	11.595	ug/L	99
31) Carbon tetrachloride	5.523	117	36200	11.388	ug/L	100
33) Benzene	5.771	78	116231	12.580	ug/L	100
34) Trichloroethene	6.542	95	26978	11.440	ug/L	97
35) Methylcyclohexane	6.761	83	38619	10.609	ug/L	98
37) 1,2-Dichloropropane	6.787	63	34854	14.382	ug/L	99
38) Bromodichloromethane	7.102	83	41560	12.833	ug/L	96
39) cis-1,3-Dichloropropene	7.604	75	40833	11.308	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	80490	24.169	ug/L	98
42) Toluene	7.967	91	110010	11.530	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	40251	11.421	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	28859	12.136	ug/L	98
46) Tetrachloroethene	8.552	164	18363	10.432	ug/L	96
48) 2-Hexanone	8.681	43	70994	25.348	ug/L	98
49) Dibromochloromethane	8.806	129	29471	11.372	ug/L	100
50) 1,2-Dibromoethane	8.922	107	28764	11.719	ug/L	95
51) Chlorobenzene	9.443	112	70422	11.383	ug/L	98
52) Ethylbenzene	9.568	91	106745	10.599	ug/L	100
53) m,p-Xylene	9.690	106	38936	10.046	ug/L	94
54) o-xylene	10.095	106	37567	10.153	ug/L	98
55) Styrene	10.111	104	64997	9.935	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	51748	12.346	ug/L	97
59) Bromoform	10.288	173	20201	10.574	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	40862	12.063	ug/L	99
61) Isopropylbenzene	10.481	105	97420	10.097	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	73257	9.108	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	71241	8.886	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	49806	10.262	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	53510	10.577	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	51687	10.582	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.989	75	10690	10.701	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	34546	9.409	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	27480	8.856	ug/L	99
71) Naphthalene	14.082	128	74544	7.533	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	28831	9.158	ug/L	99

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

