

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053536.D
 Acq On : 03 Apr 2023 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050180

Quant Time: Apr 04 02:35:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	284519	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	267412	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	147291	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	111170	50.180	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 100.360%		
7) Chloroethane-d5	1.909	69	89730	52.530	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 105.060%		
11) 1,1-Dichloroethene-d2	2.565	63	173475	50.584	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 101.160%		
21) 2-Butanone-d5	4.610	46	117744	117.385	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 117.390%		
24) Chloroform-d	5.057	84	184818	50.442	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 100.880%		
26) 1,2-Dichloroethane-d4	5.697	65	114888	53.065	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 106.140%		
32) Benzene-d6	5.722	84	367689	50.939	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 101.880%		
36) 1,2-Dichloropropane-d6	6.684	67	113433	51.414	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 102.820%		
41) Toluene-d8	7.893	98	355269	49.520	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 99.040%		
43) trans-1,3-Dichloroprop...	8.172	79	60141	52.808	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 105.620%		
47) 2-Hexanone-d5	8.626	63	93967	124.795	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 124.790%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	169944	54.651	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 109.300%		
66) 1,2-Dichlorobenzene-d4	12.188	152	144655	47.050	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 94.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	118486	51.309	ug/L	99
3) Chloromethane	1.520	50	110373	58.166	ug/L	99
5) Vinyl chloride	1.604	62	128432	58.401	ug/L	99
6) Bromomethane	1.848	94	80798	50.495	ug/L	99
8) Chloroethane	1.928	64	74209	56.106	ug/L	98
9) Trichlorofluoromethane	2.134	101	174616	51.624	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	99335	50.709	ug/L	93
12) 1,1-Dichloroethene	2.578	96	90445	51.806	ug/L	95
13) Acetone	2.616	43	72913	80.884	ug/L	96
14) Carbon disulfide	2.790	76	254367	55.079	ug/L	97
15) Methyl Acetate	2.941	43	82206	59.537	ug/L	96
16) Methylene chloride	3.041	84	100640	51.287	ug/L	96
17) trans-1,2-Dichloroethene	3.349	96	92717	52.843	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	287769	56.269	ug/L	99
19) 1,1-Dichloroethane	3.864	63	163041	56.097	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	110381	54.466	ug/L	94
22) 2-Butanone	4.693	43	114645	104.977	ug/L	95
23) Bromochloromethane	4.967	128	55772	49.406	ug/L	93
25) Chloroform	5.083	83	179215	53.761	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	137155	56.181	ug/L	97
29) Cyclohexane	5.382	56	146211	56.795	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	154907	52.572	ug/L	98
31) Carbon tetrachloride	5.520	117	136409	51.671	ug/L	99
33) Benzene	5.767	78	381934	54.818	ug/L	100
34) Trichloroethene	6.536	95	110944	52.649	ug/L	97
35) Methylcyclohexane	6.758	83	167576	54.100	ug/L	98
37) 1,2-Dichloropropane	6.787	63	98903	55.906	ug/L	99
38) Bromodichloromethane	7.099	83	129046	54.679	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	163148	56.434	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	234601	122.031	ug/L	98
42) Toluene	7.963	91	434857	55.076	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	157163	57.507	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	103502	53.287	ug/L	98
46) Tetrachloroethene	8.549	164	87389	49.975	ug/L	92
48) 2-Hexanone	8.677	43	182225	117.178	ug/L	98
49) Dibromochloromethane	8.806	129	102513	50.758	ug/L	99
50) 1,2-Dibromoethane	8.918	107	115548	53.173	ug/L	100
51) Chlorobenzene	9.442	112	283155	52.050	ug/L	97
52) Ethylbenzene	9.565	91	476705	54.236	ug/L	99
53) m,p-Xylene	9.690	106	185820	54.057	ug/L	99
54) o-xylene	10.095	106	182255	53.626	ug/L	98
55) Styrene	10.108	104	307186	55.491	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	162657	57.037	ug/L	97
59) Bromoform	10.285	173	75334	49.969	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	129860	60.805	ug/L	97
61) Isopropylbenzene	10.481	105	482400	55.396	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	405361	55.996	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	405329	56.532	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	231385	50.851	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	238979	51.531	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	232506	51.269	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	36238	63.649	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	158699	47.097	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	185606	59.411	ug/L	98
71) Naphthalene	14.082	128	524165	56.055	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	155354	49.787	ug/L	99

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

