

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053510.D
 Acq On : 03 Apr 2023 10:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179

Quant Time: Apr 04 02:19:07 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	280919	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	257119	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	107499	49.144	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.280%		
7) Chloroethane-d5	1.912	69	84807	50.284	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.560%		
11) 1,1-Dichloroethene-d2	2.565	63	168214	49.679	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.360%		
21) 2-Butanone-d5	4.617	46	94417	95.336	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.340%		
24) Chloroform-d	5.057	84	173349	47.918	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.840%		
26) 1,2-Dichloroethane-d4	5.697	65	107558	50.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.640%		
32) Benzene-d6	5.723	84	348232	50.175	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.360%		
36) 1,2-Dichloropropane-d6	6.687	67	111081	52.363	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.720%		
41) Toluene-d8	7.893	98	329880	47.822	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.640%		
43) trans-1,3-Dichloroprop...	8.176	79	56022	51.161	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.320%		
47) 2-Hexanone-d5	8.626	63	77851	107.531	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.530%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144493	48.327	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.660%		
66) 1,2-Dichlorobenzene-d4	12.189	152	136367	47.504	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	122720	53.823	ug/L	99
3) Chloromethane	1.520	50	108281	57.795	ug/L	98
5) Vinyl chloride	1.604	62	123968	57.094	ug/L	100
6) Bromomethane	1.855	94	76769	48.592	ug/L	96
8) Chloroethane	1.932	64	73817	56.525	ug/L	98
9) Trichlorofluoromethane	2.138	101	181893	54.465	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	101844	52.656	ug/L	93
12) 1,1-Dichloroethene	2.578	96	89521	51.934	ug/L	98
13) Acetone	2.623	43	93277	104.801	ug/L	97
14) Carbon disulfide	2.790	76	253729	55.645	ug/L	97
15) Methyl Acetate	2.945	43	72573	53.234	ug/L	96
16) Methylene chloride	3.044	84	96445	49.779	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	91656	52.908	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	279655	55.383	ug/L	99
19) 1,1-Dichloroethane	3.864	63	161916	56.424	ug/L	96
20) cis-1,2-Dichloroethene	4.662	96	102308	51.130	ug/L	90
22) 2-Butanone	4.697	43	111524	103.428	ug/L	92
23) Bromochloromethane	4.970	128	55367	49.676	ug/L	93
25) Chloroform	5.083	83	178185	54.137	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	130034	53.946	ug/L	99
29) Cyclohexane	5.385	56	146968	59.375	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	156630	55.285	ug/L	98
31) Carbon tetrachloride	5.520	117	141192	55.624	ug/L	98
33) Benzene	5.771	78	377645	56.373	ug/L	100
34) Trichloroethene	6.536	95	112270	55.411	ug/L	97
35) Methylcyclohexane	6.758	83	179319	60.209	ug/L	100
37) 1,2-Dichloropropane	6.787	63	100198	58.905	ug/L	98
38) Bromodichloromethane	7.099	83	128359	56.565	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	168673	60.681	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	204042	110.384	ug/L	99
42) Toluene	7.964	91	416427	54.853	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	152647	58.090	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	100872	54.012	ug/L	97
46) Tetrachloroethene	8.549	164	86107	51.213	ug/L	95
48) 2-Hexanone	8.677	43	167152	111.788	ug/L	98
49) Dibromochloromethane	8.806	129	106363	54.773	ug/L	99
50) 1,2-Dibromoethane	8.919	107	111937	53.573	ug/L	99
51) Chlorobenzene	9.443	112	276898	52.937	ug/L	97
52) Ethylbenzene	9.565	91	468602	55.449	ug/L	99
53) m,p-Xylene	9.690	106	185768	56.205	ug/L	99
54) o-xylene	10.095	106	182757	55.926	ug/L	94
55) Styrene	10.108	104	303223	56.968	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	148837	54.280	ug/L	97
59) Bromoform	10.285	173	76988	54.692	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	120686	60.522	ug/L	98
61) Isopropylbenzene	10.481	105	486031	59.776	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	411724	60.914	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	395311	59.050	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	224452	52.830	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	224715	51.896	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	230114	54.344	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	32407	60.962	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	162348	51.602	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	145601	49.916	ug/L	99
71) Naphthalene	14.082	128	461661	52.877	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	142089	48.769	ug/L	99

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

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