

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053987.D
 Acq On : 29 Apr 2023 15:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Quant Time: May 01 02:08:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	301204	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	275992	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	144897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	106930	46.940	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.880%		
7) Chloroethane-d5	1.909	69	68715	45.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.900%		
11) 1,1-Dichloroethene-d2	2.565	63	185353	45.875	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.740%		
21) 2-Butanone-d5	4.623	46	125480	96.579	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.580%		
24) Chloroform-d	5.057	84	197041	47.095	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.200%		
26) 1,2-Dichloroethane-d4	5.694	65	123498	45.973	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.940%		
32) Benzene-d6	5.723	84	383143	47.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.320%		
36) 1,2-Dichloropropane-d6	6.684	67	121664	47.439	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.880%		
41) Toluene-d8	7.893	98	351046	47.863	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.720%		
43) trans-1,3-Dichloroprop...	8.173	79	62085	48.918	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.840%		
47) 2-Hexanone-d5	8.629	63	90417	98.432	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.430%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	159304	47.157	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.320%		
66) 1,2-Dichlorobenzene-d4	12.185	152	137372	48.531	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.060%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	96134	44.237	ug/L	99
3) Chloromethane	1.517	50	91537	45.832	ug/L	100
5) Vinyl chloride	1.604	62	97242	45.776	ug/L	100
6) Bromomethane	1.855	94	52950	44.714	ug/L	96
8) Chloroethane	1.929	64	52688	45.515	ug/L	98
9) Trichlorofluoromethane	2.134	101	149849	44.452	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	92187	45.726	ug/L	98
12) 1,1-Dichloroethene	2.575	96	81094	46.414	ug/L	95
13) Acetone	2.633	43	105279	82.555	ug/L	99
14) Carbon disulfide	2.790	76	183507	47.322	ug/L	98
15) Methyl Acetate	2.945	43	93246	46.690	ug/L	98
16) Methylene chloride	3.041	84	96596	43.837	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	83473	46.723	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	307286	46.785	ug/L	98
19) 1,1-Dichloroethane	3.861	63	174966	45.613	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	101561	46.260	ug/L	99
22) 2-Butanone	4.700	43	136788	90.853	ug/L	98
23) Bromochloromethane	4.967	128	52669	46.274	ug/L	98
25) Chloroform	5.080	83	182350	45.049	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	139452	44.789	ug/L	98
29) Cyclohexane	5.382	56	134844	47.274	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	155984	45.343	ug/L	100
31) Carbon tetrachloride	5.517	117	134185	45.722	ug/L	99
33) Benzene	5.768	78	373696	46.519	ug/L	100
34) Trichloroethene	6.536	95	98696	46.290	ug/L	99
35) Methylcyclohexane	6.758	83	138075	46.175	ug/L	99
37) 1,2-Dichloropropane	6.784	63	104443	45.955	ug/L	99
38) Bromodichloromethane	7.099	83	133360	46.575	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	164309	46.214	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	256484	96.838	ug/L	99
42) Toluene	7.964	91	390491	46.693	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	157932	46.741	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	102770	46.717	ug/L	96
46) Tetrachloroethene	8.549	164	75761	44.789	ug/L	99
48) 2-Hexanone	8.681	43	202967	96.696	ug/L	100
49) Dibromochloromethane	8.803	129	101089	46.634	ug/L	96
50) 1,2-Dibromoethane	8.919	107	105537	47.266	ug/L	97
51) Chlorobenzene	9.443	112	258429	46.201	ug/L	99
52) Ethylbenzene	9.565	91	435183	46.235	ug/L	100
53) m,p-Xylene	9.687	106	164201	46.458	ug/L	96
54) o-Xylene	10.095	106	163800	47.372	ug/L	96
55) Styrene	10.108	104	279844	47.185	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	160130	46.209	ug/L	99
59) Bromoform	10.285	173	76957	47.440	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	126878	47.142	ug/L	98
61) Isopropylbenzene	10.478	105	439421	48.042	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	357735	47.729	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	358714	48.556	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	205730	45.990	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	212318	46.603	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	208868	46.264	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	33682	49.054	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	152702	47.107	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	144179	49.062	ug/L	99
71) Naphthalene	14.079	128	467213	54.813	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	148419	50.771	ug/L	100

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

