

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053652.D
 Acq On : 11 Apr 2023 21:55
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Apr 12 02:28:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	233259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	225802	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124538	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73022	40.204	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.400%
7) Chloroethane-d5	1.909	69	63167	45.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.220%
11) 1,1-Dichloroethene-d2	2.565	63	121548	43.231	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.460%
21) 2-Butanone-d5	4.613	46	97834	118.970	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.970%
24) Chloroform-d	5.057	84	140197	46.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
26) 1,2-Dichloroethane-d4	5.694	65	88319	49.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
32) Benzene-d6	5.723	84	275596	45.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
36) 1,2-Dichloropropane-d6	6.684	67	87716	47.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	7.893	98	263624	43.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.040%
43) trans-1,3-Dichloroprop...	8.173	79	42272	43.958	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.920%
47) 2-Hexanone-d5	8.626	63	73215	115.153	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.150%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133385	50.799	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	111726	42.979	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	87300	46.112	ug/L	98
3) Chloromethane	1.520	50	87454	56.216	ug/L	97
5) Vinyl chloride	1.604	62	104313	57.858	ug/L	97
6) Bromomethane	1.848	94	65024	49.567	ug/L	99
8) Chloroethane	1.929	64	61774	56.968	ug/L	96
9) Trichlorofluoromethane	2.134	101	146222	52.729	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	78952	49.160	ug/L	91
12) 1,1-Dichloroethene	2.575	96	70133	49.000	ug/L	96
13) Acetone	2.617	43	72703	98.375	ug/L	97
14) Carbon disulfide	2.790	76	178323	47.099	ug/L	98
15) Methyl Acetate	2.941	43	66877	59.079	ug/L	95
16) Methylene chloride	3.041	84	94963	59.029	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	71893	49.979	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	225641	53.817	ug/L	99
19) 1,1-Dichloroethane	3.864	63	131948	55.375	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	84058	50.592	ug/L	91
22) 2-Butanone	4.694	43	96793	108.108	ug/L	96
23) Bromochloromethane	4.967	128	45686	49.365	ug/L	90
25) Chloroform	5.083	83	145461	53.224	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	110199	55.059	ug/L	95
29) Cyclohexane	5.382	56	108905	50.100	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	125831	50.574	ug/L	99
31) Carbon tetrachloride	5.520	117	107499	48.224	ug/L	99
33) Benzene	5.768	78	309488	52.606	ug/L	100
34) Trichloroethene	6.536	95	85888	48.269	ug/L	94
35) Methylcyclohexane	6.758	83	123174	47.093	ug/L	98
37) 1,2-Dichloropropane	6.784	63	79457	53.190	ug/L	100
38) Bromodichloromethane	7.102	83	103744	52.059	ug/L	97
39) cis-1,3-Dichloropropene	7.600	75	128925	52.814	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	187656	115.600	ug/L	99
42) Toluene	7.964	91	338296	50.741	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	122517	53.090	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	84713	51.651	ug/L	96
46) Tetrachloroethene	8.549	164	62704	42.466	ug/L	93
48) 2-Hexanone	8.677	43	145854	111.073	ug/L	98
49) Dibromochloromethane	8.803	129	81944	48.050	ug/L	99
50) 1,2-Dibromoethane	8.919	107	94170	51.320	ug/L	98
51) Chlorobenzene	9.443	112	227868	49.606	ug/L	96
52) Ethylbenzene	9.565	91	368458	49.646	ug/L	99
53) m,p-Xylene	9.690	106	143941	49.590	ug/L	100
54) o-Xylene	10.095	106	140772	49.053	ug/L	98
55) Styrene	10.108	104	237056	50.714	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	134257	55.753	ug/L	96
59) Bromoform	10.285	173	57979	45.484	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	105485	58.416	ug/L	98
61) Isopropylbenzene	10.478	105	371774	50.492	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	308143	50.343	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	302594	49.914	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	177437	46.119	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	178946	45.635	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	178674	46.597	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27050	56.191	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	118145	41.468	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	106199	40.204	ug/L	99
71) Naphthalene	14.082	128	361141	45.677	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	109787	41.612	ug/L	98

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

