

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052894.D
 Acq On : 31 Jan 2023 21:11
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050146

Quant Time: Feb 01 01:00:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	265584	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	257421	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	145570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	91288	47.756	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.520%
7) Chloroethane-d5	1.903	69	83431	52.969	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.940%
11) 1,1-Dichloroethene-d2	2.565	63	181109	47.635	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.260%
21) 2-Butanone-d5	4.620	46	116155	98.364	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.360%
24) Chloroform-d	5.057	84	195233	47.856	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.720%
26) 1,2-Dichloroethane-d4	5.697	65	125962	48.356	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.720%
32) Benzene-d6	5.723	84	377974	48.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
36) 1,2-Dichloropropane-d6	6.687	67	113487	49.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.400%
41) Toluene-d8	7.893	98	350180	48.898	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.800%
43) trans-1,3-Dichloroprop...	8.176	79	55603	48.096	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.200%
47) 2-Hexanone-d5	8.632	63	81397	100.433	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.430%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	160525	47.103	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	135743	48.024	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113709	45.723	ug/L	98
3) Chloromethane	1.520	50	102662	50.052	ug/L	99
5) Vinyl chloride	1.604	62	113687	50.102	ug/L	96
6) Bromomethane	1.851	94	72749	50.837	ug/L	99
8) Chloroethane	1.925	64	74183	52.051	ug/L	96
9) Trichlorofluoromethane	2.134	101	186297	49.018	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	97352	45.444	ug/L	99
12) 1,1-Dichloroethene	2.578	96	91557	46.601	ug/L	97
13) Acetone	2.626	43	90950	63.062	ug/L	99
14) Carbon disulfide	2.790	76	261305	44.036	ug/L	100
15) Methyl Acetate	2.945	43	94665	48.716	ug/L	98
16) Methylene chloride	3.044	84	105746	45.246	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	94981	44.735	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	302904	48.518	ug/L	99
19) 1,1-Dichloroethane	3.864	63	177572	47.688	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	106420	46.945	ug/L	93
22) 2-Butanone	4.697	43	129493	84.002	ug/L	99
23) Bromochloromethane	4.970	128	58491	45.949	ug/L	98
25) Chloroform	5.083	83	197285	47.196	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	158535	47.906	ug/L	100
29) Cyclohexane	5.385	56	143407	47.012	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	177416	46.855	ug/L	99
31) Carbon tetrachloride	5.520	117	154729	47.140	ug/L	99
33) Benzene	5.771	78	416358	47.515	ug/L	100
34) Trichloroethene	6.536	95	100808	45.262	ug/L	95
35) Methylcyclohexane	6.758	83	163324	46.332	ug/L	98
37) 1,2-Dichloropropane	6.787	63	105290	48.874	ug/L	100
38) Bromodichloromethane	7.099	83	148674	47.028	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	154824	45.878	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	250101	98.539	ug/L	100
42) Toluene	7.964	91	437976	48.769	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	157954	47.628	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	104162	47.281	ug/L	99
46) Tetrachloroethene	8.549	164	85147	44.398	ug/L	98
48) 2-Hexanone	8.684	43	201894	94.028	ug/L	96
49) Dibromochloromethane	8.806	129	123689	46.949	ug/L	98
50) 1,2-Dibromoethane	8.919	107	112007	47.239	ug/L	99
51) Chlorobenzene	9.443	112	296589	48.002	ug/L	99
52) Ethylbenzene	9.565	91	459346	47.862	ug/L	99
53) m,p-Xylene	9.690	106	185505	47.745	ug/L	96
54) o-xylene	10.095	106	182063	49.085	ug/L	95
55) Styrene	10.108	104	315183	49.520	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	167776	47.058	ug/L	100
59) Bromoform	10.285	173	90926	45.582	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	134412	47.601	ug/L	100
61) Isopropylbenzene	10.481	105	466809	49.652	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	389225	49.721	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	382223	50.458	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	219492	46.273	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	224414	45.700	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	246441	51.366	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	36586	45.202	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	153850	43.812	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	147213	50.003	ug/L	98
71) Naphthalene	14.082	128	374907	44.312	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	141122	45.357	ug/L	98

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

