

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053508.D
 Acq On : 31 Mar 2023 21:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

Quant Time: Apr 01 05:10:46 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	336747	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	315112	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	186153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	126459	48.228	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.460%
7) Chloroethane-d5	1.909	69	99305	49.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.240%
11) 1,1-Dichloroethene-d2	2.565	63	197878	48.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.500%
21) 2-Butanone-d5	4.610	46	125124	105.396	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.400%
24) Chloroform-d	5.057	84	203784	46.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
26) 1,2-Dichloroethane-d4	5.694	65	124367	48.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.060%
32) Benzene-d6	5.723	84	413911	48.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	6.684	67	121377	46.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.380%
41) Toluene-d8	7.893	98	413665	48.932	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.860%
43) trans-1,3-Dichloroprop...	8.173	79	65238	48.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
47) 2-Hexanone-d5	8.626	63	96343	108.582	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	181635	49.569	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.140%
66) 1,2-Dichlorobenzene-d4	12.188	152	183619	47.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	133700	48.917	ug/L	99
3) Chloromethane	1.520	50	116202	51.740	ug/L	99
5) Vinyl chloride	1.604	62	131245	50.424	ug/L	99
6) Bromomethane	1.851	94	91706	48.423	ug/L	97
8) Chloroethane	1.932	64	76946	49.153	ug/L	98
9) Trichlorofluoromethane	2.137	101	200810	50.160	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	112416	48.486	ug/L	99
12) 1,1-Dichloroethene	2.578	96	103898	50.282	ug/L	91
13) Acetone	2.617	43	94361	88.442	ug/L	99
14) Carbon disulfide	2.790	76	260865	47.725	ug/L	97
15) Methyl Acetate	2.941	43	89083	54.512	ug/L	95
16) Methylene chloride	3.041	84	113038	48.671	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	103134	49.664	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	309618	51.152	ug/L	99
19) 1,1-Dichloroethane	3.864	63	173517	50.442	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	119283	49.730	ug/L	99
22) 2-Butanone	4.690	43	128276	99.241	ug/L	94
23) Bromochloromethane	4.967	128	65064	48.698	ug/L	98
25) Chloroform	5.083	83	196746	49.866	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	146504	50.703	ug/L	98
29) Cyclohexane	5.382	56	152386	50.234	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	173699	50.026	ug/L	100
31) Carbon tetrachloride	5.520	117	151707	48.767	ug/L	99
33) Benzene	5.768	78	413625	50.380	ug/L	100
34) Trichloroethene	6.536	95	123269	49.642	ug/L	98
35) Methylcyclohexane	6.758	83	179879	49.282	ug/L	99
37) 1,2-Dichloropropane	6.784	63	104799	50.271	ug/L	100
38) Bromodichloromethane	7.099	83	137141	49.313	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	176947	51.942	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	244261	107.823	ug/L	99
42) Toluene	7.964	91	476131	51.175	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	165298	51.328	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	117990	51.551	ug/L	99
46) Tetrachloroethene	8.549	164	104192	50.564	ug/L	98
48) 2-Hexanone	8.677	43	192074	104.815	ug/L	99
49) Dibromochloromethane	8.806	129	117258	49.270	ug/L	99
50) 1,2-Dibromoethane	8.919	107	132316	51.672	ug/L	99
51) Chlorobenzene	9.443	112	320438	49.987	ug/L	99
52) Ethylbenzene	9.565	91	523904	50.584	ug/L	98
53) m,p-Xylene	9.690	106	211280	52.159	ug/L	99
54) o-xylene	10.095	106	205233	51.245	ug/L	100
55) Styrene	10.108	104	339555	52.053	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	174518	51.932	ug/L	97
59) Bromoform	10.285	173	91171	47.849	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	136677	50.637	ug/L	99
61) Isopropylbenzene	10.478	105	544358	49.460	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	460114	50.291	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	456126	50.336	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	278513	48.430	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	277258	47.304	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	276091	48.170	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	36606	50.873	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	202594	47.572	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	189237	47.928	ug/L	98
71) Naphthalene	14.079	128	596734	50.493	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	190387	48.276	ug/L	100

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

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