

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051477.D
 Acq On : 20 Oct 2022 17:17
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: Oct 20 22:27:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:53:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	504063	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	502388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	259756	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	179713	44.933	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.860%
7) Chloroethane-d5	1.896	69	145738	44.230	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.460%
11) 1,1-Dichloroethene-d2	2.562	63	308832	45.360	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.720%
21) 2-Butanone-d5	4.617	46	270377	95.899	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.900%
24) Chloroform-d	5.060	84	342810	46.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
26) 1,2-Dichloroethane-d4	5.697	65	211278	46.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.520%
32) Benzene-d6	5.723	84	690907	50.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.560%
36) 1,2-Dichloropropane-d6	6.687	67	221460	49.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.140%
41) Toluene-d8	7.896	98	635084	51.213	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.420%
43) trans-1,3-Dichloroprop...	8.176	79	94337	49.589	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.180%
47) 2-Hexanone-d5	8.629	63	196892	100.336	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.340%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	368463	47.474	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.940%
66) 1,2-Dichlorobenzene-d4	12.192	152	234921	48.312	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	190807	43.313	ug/L	99
3) Chloromethane	1.523	50	268038	47.604	ug/L	99
5) Vinyl chloride	1.604	62	256026	45.944	ug/L	100
6) Bromomethane	1.832	94	154465	53.330	ug/L	99
8) Chloroethane	1.919	64	160152	48.090	ug/L	99
9) Trichlorofluoromethane	2.128	101	286023	44.364	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	167465	42.498	ug/L	100
12) 1,1-Dichloroethene	2.575	96	171761	45.979	ug/L	95
13) Acetone	2.623	43	206639	64.320	ug/L	97
14) Carbon disulfide	2.787	76	547013	44.958	ug/L	99
15) Methyl Acetate	2.945	43	228659	47.063	ug/L	99
16) Methylene chloride	3.041	84	231053	47.121	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	182254	47.439	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	554624	50.484	ug/L	99
19) 1,1-Dichloroethane	3.864	63	361146	47.659	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	205723	49.082	ug/L	95
22) 2-Butanone	4.697	43	329881	88.475	ug/L	99
23) Bromochloromethane	4.970	128	111749	47.520	ug/L	98
25) Chloroform	5.086	83	371347	47.534	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	289805	47.774	ug/L	99
29) Cyclohexane	5.385	56	272500	51.627	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	285576	47.925	ug/L	98
31) Carbon tetrachloride	5.520	117	236139	46.935	ug/L	100
33) Benzene	5.771	78	848290	51.652	ug/L	100
34) Trichloroethene	6.539	95	189431	47.799	ug/L	98
35) Methylcyclohexane	6.761	83	277795	48.999	ug/L	99
37) 1,2-Dichloropropane	6.787	63	223725	49.674	ug/L	100
38) Bromodichloromethane	7.102	83	272320	47.496	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	304401	51.263	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	634184	105.383	ug/L	100
42) Toluene	7.967	91	890443	52.834	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	288571	49.937	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	218006	48.498	ug/L	99
46) Tetrachloroethene	8.552	164	138050	46.666	ug/L	96
48) 2-Hexanone	8.681	43	530687	103.198	ug/L	99
49) Dibromochloromethane	8.806	129	217842	47.348	ug/L	98
50) 1,2-Dibromoethane	8.922	107	226526	49.177	ug/L	100
51) Chlorobenzene	9.446	112	543186	49.217	ug/L	99
52) Ethylbenzene	9.568	91	877446	51.628	ug/L	100
53) m,p-Xylene	9.690	106	346970	52.965	ug/L	97
54) o-Xylene	10.099	106	348418	53.618	ug/L	98
55) Styrene	10.111	104	610827	54.094	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	409139	47.700	ug/L	99
59) Bromoform	10.288	173	163960	45.321	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	312558	46.432	ug/L	100
61) Isopropylbenzene	10.481	105	851030	52.171	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	731255	52.772	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	729388	53.457	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	405360	48.682	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	403261	47.093	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	422340	48.692	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	83472	45.943	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	256570	45.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	199373	46.360	ug/L	100
71) Naphthalene	14.086	128	674169	48.979	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	227013	49.176	ug/L	99

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

