

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051164.D
 Acq On : 06 Oct 2022 11:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Oct 07 01:25:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	471810	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	462151	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	221315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	224642	46.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.960%
7) Chloroethane-d5	1.909	69	190295	42.843	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.680%
11) 1,1-Dichloroethene-d2	2.565	63	350044	49.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.120%
21) 2-Butanone-d5	4.620	46	335550	108.198	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.200%
24) Chloroform-d	5.060	84	406000	52.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.700	65	255173	53.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.020%
32) Benzene-d6	5.726	84	810803	59.911	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.820%
36) 1,2-Dichloropropane-d6	6.687	67	267099	60.822	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.640%#
41) Toluene-d8	7.896	98	725362	58.011	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.020%
43) trans-1,3-Dichloroprop...	8.179	79	97775	46.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.360%
47) 2-Hexanone-d5	8.629	63	183363	103.407	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.410%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	415777	54.173	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	253355	53.587	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	182834	46.213	ug/L	100
3) Chloromethane	1.524	50	241631	51.692	ug/L	99
5) Vinyl chloride	1.604	62	242950	48.973	ug/L	98
6) Bromomethane	1.848	94	264437	64.351	ug/L	97
8) Chloroethane	1.929	64	153956	42.263	ug/L	99
9) Trichlorofluoromethane	2.138	101	281895	42.260	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	165159	45.853	ug/L	98
12) 1,1-Dichloroethene	2.578	96	164255	48.819	ug/L	93
13) Acetone	2.623	43	221304	89.363	ug/L	98
14) Carbon disulfide	2.790	76	475552	47.815	ug/L	99
15) Methyl Acetate	2.945	43	243335	53.820	ug/L	96
16) Methylene chloride	3.044	84	227127	47.024	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	175119	48.924	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	606296	55.737	ug/L	99
19) 1,1-Dichloroethane	3.867	63	362466	53.309	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	211401	52.895	ug/L	97
22) 2-Butanone	4.697	43	359353	105.026	ug/L	97
23) Bromochloromethane	4.974	128	111499	50.917	ug/L	96
25) Chloroform	5.086	83	375262	50.740	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	293792	51.858	ug/L	99
29) Cyclohexane	5.388	56	269420	59.872	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	286315	52.825	ug/L	100
31) Carbon tetrachloride	5.523	117	230116	52.036	ug/L	99
33) Benzene	5.771	78	843023	59.833	ug/L	100
34) Trichloroethene	6.543	95	189721	51.988	ug/L	99
35) Methylcyclohexane	6.761	83	266031	53.561	ug/L	97
37) 1,2-Dichloropropane	6.790	63	228920	60.335	ug/L	99
38) Bromodichloromethane	7.105	83	280179	55.333	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	252214	46.938	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	676624	123.141	ug/L	98
42) Toluene	7.967	91	890479	59.419	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	244400	44.984	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	226028	54.998	ug/L	99
46) Tetrachloroethene	8.552	164	133212	48.168	ug/L	98
48) 2-Hexanone	8.681	43	559014	112.009	ug/L	98
49) Dibromochloromethane	8.809	129	221521	51.267	ug/L	98
50) 1,2-Dibromoethane	8.922	107	234002	52.515	ug/L	98
51) Chlorobenzene	9.446	112	522195	51.238	ug/L	99
52) Ethylbenzene	9.568	91	841577	52.646	ug/L	99
53) m,p-Xylene	9.694	106	330688	55.011	ug/L	98
54) o-Xylene	10.099	106	330531	55.011	ug/L	99
55) Styrene	10.112	104	581080	55.955	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	395882	54.428	ug/L	98
59) Bromoform	10.288	173	163983	50.358	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	308209	52.920	ug/L	99
61) Isopropylbenzene	10.481	105	802389	55.811	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	671713	57.138	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	673060	57.123	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	367534	49.589	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	369207	49.834	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	394079	51.752	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	83236	48.974	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	239876	47.727	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	196717	47.837	ug/L	100
71) Naphthalene	14.086	128	776846	52.781	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	237335	51.721	ug/L	99

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

