

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052023.D
 Acq On : 22 Nov 2022 03:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050131

Quant Time: Nov 22 03:24:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 01:03:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	462243	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	447710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	220748	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	189772	47.376	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.760%
7) Chloroethane-d5	1.903	69	158492	49.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.920%
11) 1,1-Dichloroethene-d2	2.565	63	288255	48.548	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.100%
21) 2-Butanone-d5	4.616	46	256245	106.454	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.450%
24) Chloroform-d	5.060	84	331971	50.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.160%
26) 1,2-Dichloroethane-d4	5.700	65	199366	50.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.020%
32) Benzene-d6	5.726	84	696388	52.184	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.360%
36) 1,2-Dichloropropane-d6	6.687	67	220046	51.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.660%
41) Toluene-d8	7.896	98	628055	52.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.360%
43) trans-1,3-Dichloroprop...	8.176	79	94164	51.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.200%
47) 2-Hexanone-d5	8.629	63	189650	113.401	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.400%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	354630	52.286	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.580%
66) 1,2-Dichlorobenzene-d4	12.188	152	229627	50.302	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	119486	48.153	ug/L	100
3) Chloromethane	1.523	50	174874	49.176	ug/L	98
5) Vinyl chloride	1.604	62	183644	50.297	ug/L	100
6) Bromomethane	1.842	94	97026	52.943	ug/L	97
8) Chloroethane	1.925	64	121702	50.832	ug/L	99
9) Trichlorofluoromethane	2.134	101	214467	49.135	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	137101	48.919	ug/L	99
12) 1,1-Dichloroethene	2.578	96	135121	50.483	ug/L	98
13) Acetone	2.620	43	162142	73.738	ug/L	100
14) Carbon disulfide	2.793	76	334099	49.364	ug/L	99
15) Methyl Acetate	2.944	43	186141	53.023	ug/L	100
16) Methylene chloride	3.044	84	205897	50.507	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	146787	51.544	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	495328	53.548	ug/L	100
19) 1,1-Dichloroethane	3.864	63	306662	52.341	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	182267	53.309	ug/L	96
22) 2-Butanone	4.697	43	270432	98.638	ug/L	99
23) Bromochloromethane	4.970	128	96969	52.688	ug/L	97
25) Chloroform	5.086	83	315989	52.269	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	231105	50.957	ug/L	100
29) Cyclohexane	5.388	56	207612	52.880	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	236656	51.545	ug/L	99
31) Carbon tetrachloride	5.523	117	191131	51.419	ug/L	98
33) Benzene	5.771	78	708534	53.420	ug/L	100
34) Trichloroethene	6.539	95	161526	52.195	ug/L	97
35) Methylcyclohexane	6.761	83	212597	50.125	ug/L	99
37) 1,2-Dichloropropane	6.787	63	196555	53.047	ug/L	100
38) Bromodichloromethane	7.102	83	240975	52.675	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	263396	52.569	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	531515	112.783	ug/L	99
42) Toluene	7.967	91	751642	54.842	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	246158	52.524	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	192968	52.829	ug/L	99
46) Tetrachloroethene	8.552	164	117381	50.277	ug/L	100
48) 2-Hexanone	8.681	43	423253	108.529	ug/L	98
49) Dibromochloromethane	8.806	129	192616	51.888	ug/L	100
50) 1,2-Dibromoethane	8.922	107	195880	53.393	ug/L	99
51) Chlorobenzene	9.443	112	470761	52.205	ug/L	98
52) Ethylbenzene	9.568	91	751816	53.875	ug/L	98
53) m,p-Xylene	9.690	106	298353	55.335	ug/L	98
54) o-Xylene	10.098	106	302375	55.427	ug/L	95
55) Styrene	10.111	104	522770	56.563	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	362266	54.502	ug/L	100
59) Bromoform	10.288	173	147067	51.441	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	274297	53.513	ug/L	99
61) Isopropylbenzene	10.481	105	744526	55.274	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	604100	56.135	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	598317	57.052	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	348296	53.341	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	343575	51.640	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	372312	54.420	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	66480	52.642	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	223157	51.193	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	181927	51.954	ug/L	97
71) Naphthalene	14.082	128	690763	60.592	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	213900	56.384	ug/L	99

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

