

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071922\
 Data File : VU049777.D
 Acq On : 19 Jul 2022 11:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050169

Quant Time: Jul 20 02:15:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 19 02:09:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	182914	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	178280	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89173	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73154	47.400	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	94.800%	
7) Chloroethane-d5	1.899	69	54197	48.582	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	97.160%	
11) 1,1-Dichloroethene-d2	2.565	63	123578	45.331	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	90.660%	
21) 2-Butanone-d5	4.623	46	133781	101.542	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.540%	
24) Chloroform-d	5.063	84	137383	50.259	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.520%	
26) 1,2-Dichloroethane-d4	5.700	65	93177	50.365	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.740%	
32) Benzene-d6	5.726	84	251766	46.485	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.960%	
36) 1,2-Dichloropropane-d6	6.690	67	88243	48.439	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	96.880%	
41) Toluene-d8	7.896	98	220308	46.709	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	93.420%	
43) trans-1,3-Dichloroprop...	8.179	79	39074	50.908	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	101.820%	
47) 2-Hexanone-d5	8.632	63	71332	87.047	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	87.050%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	127648	50.077	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	100.160%	
66) 1,2-Dichlorobenzene-d4	12.192	152	80670	47.980	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	95.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	95083	43.366	ug/L	99
3) Chloromethane	1.520	50	115161	47.857	ug/L	99
5) Vinyl chloride	1.600	62	96423	44.343	ug/L	99
6) Bromomethane	1.838	94	49214	48.985	ug/L	95
8) Chloroethane	1.922	64	55991	46.482	ug/L	97
9) Trichlorofluoromethane	2.131	101	124576	46.390	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	65006	46.133	ug/L	100
12) 1,1-Dichloroethene	2.575	96	59385	45.409	ug/L	92
13) Acetone	2.626	43	115292	92.081	ug/L	97
14) Carbon disulfide	2.787	76	174720	39.618	ug/L	99
15) Methyl Acetate	2.948	43	118803	58.404	ug/L	100
16) Methylene chloride	3.041	84	88719	53.872	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	67024	46.849	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	258062	52.663	ug/L	100
19) 1,1-Dichloroethane	3.867	63	154179	51.765	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	81727	50.830	ug/L	98
22) 2-Butanone	4.700	43	179086	106.831	ug/L	98
23) Bromochloromethane	4.973	128	44120	54.994	ug/L	90
25) Chloroform	5.086	83	159013	53.242	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	134335	52.823	ug/L	99
29) Cyclohexane	5.388	56	115138	41.376	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	127268	49.310	ug/L	99
31) Carbon tetrachloride	5.523	117	101728	48.190	ug/L	98
33) Benzene	5.771	78	331832	49.518	ug/L	100
34) Trichloroethene	6.542	95	76855	47.446	ug/L	98
35) Methylcyclohexane	6.761	83	108951	42.802	ug/L	98
37) 1,2-Dichloropropane	6.790	63	95916	51.639	ug/L	99
38) Bromodichloromethane	7.105	83	119662	51.961	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	132102	52.734	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	321607	106.955	ug/L	99
42) Toluene	7.970	91	335405	50.360	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	122455	52.062	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	85729	52.878	ug/L	99
46) Tetrachloroethene	8.552	164	53032	47.203	ug/L	96
48) 2-Hexanone	8.684	43	262366	109.187	ug/L	100
49) Dibromochloromethane	8.809	129	88378	54.198	ug/L	97
50) 1,2-Dibromoethane	8.922	107	88212	54.773	ug/L	98
51) Chlorobenzene	9.446	112	203080	50.351	ug/L	99
52) Ethylbenzene	9.571	91	342640	48.752	ug/L	100
53) m,p-Xylene	9.693	106	125848	49.244	ug/L	99
54) o-Xylene	10.098	106	128784	50.047	ug/L	96
55) Styrene	10.111	104	224742	52.922	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	158485	54.610	ug/L	99
59) Bromoform	10.291	173	64664	54.066	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	125968	53.035	ug/L	100
61) Isopropylbenzene	10.484	105	327234	49.145	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	281755	50.166	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	281097	50.379	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	148195	50.985	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	147782	50.614	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	158077	52.301	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	38651	55.535	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	102630	50.389	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	89603	47.939	ug/L	96
71) Naphthalene	14.085	128	331877	49.669	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	99578	51.432	ug/L	99

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

