

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049684.D
 Acq On : 11 Jul 2022 18:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050158

Quant Time: Jul 12 02:35:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:23:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	227850	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	214003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	101768	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81871	42.586	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.180%
7) Chloroethane-d5	1.903	69	62927	45.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.560%
11) 1,1-Dichloroethene-d2	2.565	63	150197	44.230	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.460%
21) 2-Butanone-d5	4.623	46	180654	110.078	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.080%
24) Chloroform-d	5.063	84	171818	50.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.920%
26) 1,2-Dichloroethane-d4	5.700	65	116398	50.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.020%
32) Benzene-d6	5.726	84	317454	48.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
36) 1,2-Dichloropropane-d6	6.690	67	109123	49.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.800%
41) Toluene-d8	7.896	98	276222	48.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
43) trans-1,3-Dichloroprop...	8.179	79	46016	49.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.880%
47) 2-Hexanone-d5	8.632	63	104978	106.721	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.720%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	155455	50.806	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	95755	49.904	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	109610	40.132	ug/L	98
3) Chloromethane	1.520	50	140710	46.942	ug/L	98
5) Vinyl chloride	1.601	62	117332	43.317	ug/L	99
6) Bromomethane	1.842	94	54099	43.228	ug/L	100
8) Chloroethane	1.925	64	66393	44.248	ug/L	100
9) Trichlorofluoromethane	2.131	101	139372	41.664	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	72070	41.059	ug/L	99
12) 1,1-Dichloroethene	2.575	96	71218	43.717	ug/L	91
13) Acetone	2.626	43	128785	82.572	ug/L	97
14) Carbon disulfide	2.787	76	219630	39.980	ug/L	97
15) Methyl Acetate	2.948	43	137442	54.242	ug/L	100
16) Methylene chloride	3.041	84	104787	51.080	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	80587	45.220	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	307114	50.313	ug/L	100
19) 1,1-Dichloroethane	3.867	63	182144	49.094	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	98470	49.165	ug/L	97
22) 2-Butanone	4.703	43	210863	100.980	ug/L	100
23) Bromochloromethane	4.973	128	49092	49.124	ug/L	95
25) Chloroform	5.086	83	183279	49.264	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	155500	49.086	ug/L	99
29) Cyclohexane	5.388	56	138203	41.374	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	142955	46.142	ug/L	99
31) Carbon tetrachloride	5.523	117	110374	43.558	ug/L	99
33) Benzene	5.774	78	389199	48.384	ug/L	100
34) Trichloroethene	6.542	95	89569	46.064	ug/L	97
35) Methylcyclohexane	6.761	83	124821	40.851	ug/L	98
37) 1,2-Dichloropropane	6.790	63	110002	49.337	ug/L	100
38) Bromodichloromethane	7.105	83	134207	48.549	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	149392	49.681	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	384564	106.543	ug/L	100
42) Toluene	7.970	91	380408	47.582	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	136794	48.450	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	98260	50.490	ug/L	98
46) Tetrachloroethene	8.552	164	59169	43.875	ug/L	96
48) 2-Hexanone	8.684	43	306430	106.237	ug/L	99
49) Dibromochloromethane	8.809	129	96126	49.109	ug/L	95
50) 1,2-Dibromoethane	8.925	107	96494	49.914	ug/L	100
51) Chlorobenzene	9.446	112	227746	47.041	ug/L	99
52) Ethylbenzene	9.571	91	394208	46.727	ug/L	99
53) m,p-Xylene	9.693	106	145569	47.452	ug/L	97
54) o-Xylene	10.099	106	149009	48.240	ug/L	97
55) Styrene	10.111	104	251753	49.386	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	172986	49.656	ug/L	100
59) Bromoform	10.292	173	68010	49.826	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	141316	52.133	ug/L	99
61) Isopropylbenzene	10.484	105	367590	48.374	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	313523	48.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	315591	49.561	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	155757	46.954	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	155910	46.789	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	166986	48.411	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	39648	49.918	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	107541	46.265	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	94271	44.194	ug/L	97
71) Naphthalene	14.086	128	368837	48.369	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	103355	46.776	ug/L	99

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

