

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071922\
 Data File : VU049794.D
 Acq On : 19 Jul 2022 18:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Jul 20 02:19:44 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	185831	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	175571	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86834	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	75634	48.238	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.480%		
7) Chloroethane-d5	1.899	69	56966	50.263	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.520%		
11) 1,1-Dichloroethene-d2	2.562	63	130333	47.059	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.120%		
21) 2-Butanone-d5	4.623	46	149090	111.386	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.390%		
24) Chloroform-d	5.063	84	147262	53.028	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.060%		
26) 1,2-Dichloroethane-d4	5.700	65	100310	53.370	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.740%		
32) Benzene-d6	5.726	84	269893	50.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.200%		
36) 1,2-Dichloropropane-d6	6.690	67	93972	52.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.760%		
41) Toluene-d8	7.896	98	236601	50.937	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.880%		
43) trans-1,3-Dichloroprop...	8.179	79	39282	51.969	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.940%		
47) 2-Hexanone-d5	8.632	63	85556	106.015	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.020%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	134778	53.690	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.380%		
66) 1,2-Dichlorobenzene-d4	12.192	152	86065	52.568	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	101834	45.716	ug/L	100
3) Chloromethane	1.520	50	125960	51.523	ug/L	100
5) Vinyl chloride	1.600	62	102412	46.358	ug/L	100
6) Bromomethane	1.838	94	54546	53.440	ug/L	100
8) Chloroethane	1.922	64	59915	48.959	ug/L	99
9) Trichlorofluoromethane	2.131	101	129926	47.623	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	67148	46.905	ug/L	99
12) 1,1-Dichloroethene	2.575	96	62166	46.789	ug/L	98
13) Acetone	2.626	43	115385	90.708	ug/L	99
14) Carbon disulfide	2.787	76	178811	39.910	ug/L	99
15) Methyl Acetate	2.948	43	122066	59.066	ug/L	99
16) Methylene chloride	3.041	84	92667	55.386	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	71072	48.899	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	272436	54.724	ug/L	99
19) 1,1-Dichloroethane	3.867	63	162860	53.822	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	87107	53.326	ug/L	96
22) 2-Butanone	4.700	43	183960	108.016	ug/L	99
23) Bromochloromethane	4.973	128	44840	55.014	ug/L	96
25) Chloroform	5.086	83	168838	55.644	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	140045	54.204	ug/L	99
29) Cyclohexane	5.388	56	118907	43.389	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	134376	52.867	ug/L	99
31) Carbon tetrachloride	5.523	117	105281	50.643	ug/L	98
33) Benzene	5.774	78	347851	52.709	ug/L	100
34) Trichloroethene	6.539	95	79496	49.833	ug/L	96
35) Methylcyclohexane	6.761	83	108968	43.469	ug/L	98
37) 1,2-Dichloropropane	6.790	63	100435	54.906	ug/L	100
38) Bromodichloromethane	7.105	83	123041	54.253	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	129645	52.552	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	343471	115.988	ug/L	99
42) Toluene	7.970	91	343512	52.373	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	127108	54.874	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89093	55.801	ug/L	99
46) Tetrachloroethene	8.552	164	53003	47.906	ug/L	97
48) 2-Hexanone	8.684	43	272665	115.224	ug/L	100
49) Dibromochloromethane	8.809	129	90487	56.348	ug/L	92
50) 1,2-Dibromoethane	8.925	107	93438	58.914	ug/L	98
51) Chlorobenzene	9.446	112	206727	52.046	ug/L	99
52) Ethylbenzene	9.571	91	352409	50.916	ug/L	98
53) m,p-Xylene	9.693	106	129780	51.566	ug/L	99
54) o-Xylene	10.098	106	135187	53.346	ug/L	98
55) Styrene	10.115	104	228206	54.567	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	160645	56.208	ug/L	98
59) Bromoform	10.291	173	63951	54.910	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	131548	56.876	ug/L	99
61) Isopropylbenzene	10.484	105	331391	51.110	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	285616	52.223	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	281448	51.800	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	146204	51.655	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	141944	49.924	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	157266	53.434	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	38451	56.736	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	97554	49.187	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	84607	46.486	ug/L	97
71) Naphthalene	14.085	128	324797	49.919	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	94949	50.362	ug/L	99

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

