

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113021\
 Data File : VU046031.D
 Acq On : 30 Nov 2021 17:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

Quant Time: Dec 01 00:35:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 01 00:33:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	185681	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184249	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98298	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68050	44.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.980%
7) Chloroethane-d5	1.919	69	55211	47.013	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.020%
11) 1,1-Dichloroethene-d2	2.575	63	122611	44.654	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.300%
21) 2-Butanone-d5	4.646	46	128035	105.299	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.300%
24) Chloroform-d	5.067	84	127273	49.828	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
26) 1,2-Dichloroethane-d4	5.707	65	84196	49.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.240%
32) Benzene-d6	5.732	84	256946	48.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	6.694	67	80619	49.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.520%
41) Toluene-d8	7.899	98	234454	48.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	8.182	79	40065	50.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.420%
47) 2-Hexanone-d5	8.636	63	87796	113.140	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	125910	50.729	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	92691	48.964	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	92820	45.947	ug/L	99
3) Chloromethane	1.523	50	86413	47.824	ug/L	98
5) Vinyl chloride	1.607	62	84423	46.338	ug/L	100
6) Bromomethane	1.864	94	52832	51.162	ug/L	99
8) Chloroethane	1.941	64	50784	48.142	ug/L	98
9) Trichlorofluoromethane	2.144	101	112882	47.457	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	63472	46.978	ug/L	100
12) 1,1-Dichloroethene	2.585	96	60733	47.304	ug/L	97
13) Acetone	2.671	43	112442	73.993	ug/L	97
14) Carbon disulfide	2.800	76	184470	46.311	ug/L	100
15) Methyl Acetate	2.961	43	91970	51.917	ug/L	97
16) Methylene chloride	3.051	84	75432	49.382	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	65679	48.340	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	231044	55.178	ug/L	99
19) 1,1-Dichloroethane	3.877	63	123902	50.155	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	76474	51.873	ug/L	99
22) 2-Butanone	4.726	43	147662	89.262	ug/L	96
23) Bromochloromethane	4.980	128	38966	52.333	ug/L	94
25) Chloroform	5.092	83	134967	49.172	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	105884	51.986	ug/L	99
29) Cyclohexane	5.395	56	105938	49.378	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	112516	49.749	ug/L	98
31) Carbon tetrachloride	5.530	117	92619	48.238	ug/L	97
33) Benzene	5.777	78	284006	50.929	ug/L	100
34) Trichloroethene	6.546	95	73348	49.928	ug/L	98
35) Methylcyclohexane	6.768	83	111257	48.842	ug/L	99
37) 1,2-Dichloropropane	6.793	63	74512	51.007	ug/L	100
38) Bromodichloromethane	7.108	83	98862	50.917	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	116019	52.206	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	238867	111.293	ug/L	99
42) Toluene	7.970	91	305263	51.015	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	116782	53.504	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	76092	51.920	ug/L	99
46) Tetrachloroethene	8.555	164	53654	49.698	ug/L	99
48) 2-Hexanone	8.687	43	197239	102.757	ug/L	98
49) Dibromochloromethane	8.813	129	80655	52.407	ug/L	98
50) 1,2-Dibromoethane	8.925	107	83873	52.786	ug/L #	98
51) Chlorobenzene	9.449	112	191609	49.496	ug/L	99
52) Ethylbenzene	9.571	91	329801	51.213	ug/L	99
53) m,p-Xylene	9.697	106	129764	51.669	ug/L	99
54) o-xylene	10.102	106	125780	51.614	ug/L	100
55) Styrene	10.115	104	220354	52.963	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	131457	52.319	ug/L	99
59) Bromoform	10.292	173	59954	51.992	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	111865	51.915	ug/L	98
61) Isopropylbenzene	10.488	105	331759	51.872	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	289066	54.225	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	289060	54.197	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	154427	50.832	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	157035	50.015	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	155071	50.687	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	31090	54.161	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	113659	51.345	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	104356	53.125	ug/L	99
71) Naphthalene	14.086	128	403362	59.009	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	108268	54.049	ug/L	99

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

