

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046502.D
 Acq On : 19 Dec 2021 18:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050152

Quant Time: Dec 20 00:29:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	145800	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	149475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46048	38.341	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.680%
7) Chloroethane-d5	1.919	69	38375	41.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.240%
11) 1,1-Dichloroethene-d2	2.578	63	92588	42.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.880%
21) 2-Butanone-d5	4.645	46	91779	96.128	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.130%
24) Chloroform-d	5.067	84	101797	50.755	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.520%
26) 1,2-Dichloroethane-d4	5.706	65	65470	48.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.280%
32) Benzene-d6	5.732	84	186767	43.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.180%
36) 1,2-Dichloropropane-d6	6.694	67	58130	43.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.560%
41) Toluene-d8	7.899	98	170262	43.648	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.300%
43) trans-1,3-Dichloroprop...	8.179	79	29941	46.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.420%
47) 2-Hexanone-d5	8.636	63	69751	110.797	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.800%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	96516	47.932	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	70343	42.976	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	70739	44.595	ug/L	100
3) Chloromethane	1.527	50	64500	45.460	ug/L	98
5) Vinyl chloride	1.610	62	67565	47.228	ug/L	100
6) Bromomethane	1.864	94	41241	50.862	ug/L	96
8) Chloroethane	1.941	64	41436	50.024	ug/L	100
9) Trichlorofluoromethane	2.147	101	101951	54.586	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	55408	52.227	ug/L	97
12) 1,1-Dichloroethene	2.588	96	51412	50.998	ug/L	91
13) Acetone	2.668	43	88385	74.072	ug/L	99
14) Carbon disulfide	2.800	76	142537	45.572	ug/L	100
15) Methyl Acetate	2.964	43	67189	48.302	ug/L	96
16) Methylene chloride	3.054	84	61306	51.113	ug/L	100
17) trans-1,2-Dichloroethene	3.359	96	54593	51.172	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	179873	54.708	ug/L	99
19) 1,1-Dichloroethane	3.877	63	102287	52.731	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	60788	52.512	ug/L	100
22) 2-Butanone	4.723	43	111124	85.549	ug/L	99
23) Bromochloromethane	4.980	128	31505	53.886	ug/L	93
25) Chloroform	5.092	83	112102	52.014	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	90518	56.598	ug/L	99
29) Cyclohexane	5.395	56	85481	49.112	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	100487	54.767	ug/L	99
31) Carbon tetrachloride	5.530	117	84437	54.207	ug/L	98
33) Benzene	5.777	78	234280	51.786	ug/L	100
34) Trichloroethene	6.546	95	60527	50.785	ug/L	98
35) Methylcyclohexane	6.764	83	94193	50.971	ug/L	99
37) 1,2-Dichloropropane	6.793	63	60485	51.038	ug/L	100
38) Bromodichloromethane	7.108	83	84127	53.407	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	94505	52.419	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	177164	101.748	ug/L	99
42) Toluene	7.970	91	255442	52.621	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	93409	52.752	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	61548	51.766	ug/L	99
46) Tetrachloroethene	8.555	164	45862	52.363	ug/L	97
48) 2-Hexanone	8.687	43	149971	96.308	ug/L	99
49) Dibromochloromethane	8.812	129	66010	52.869	ug/L	100
50) 1,2-Dibromoethane	8.925	107	65776	51.027	ug/L	99
51) Chlorobenzene	9.449	112	160283	51.036	ug/L	99
52) Ethylbenzene	9.571	91	273517	52.354	ug/L	99
53) m,p-Xylene	9.693	106	108075	53.045	ug/L	99
54) o-xylene	10.102	106	103576	52.391	ug/L	97
55) Styrene	10.115	104	181676	53.825	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	106681	52.335	ug/L	99
59) Bromoform	10.291	173	50361	50.509	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	88181	47.330	ug/L	99
61) Isopropylbenzene	10.484	105	276789	50.052	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	240503	52.178	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	243399	52.780	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	128286	48.837	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	130803	48.181	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	128974	48.756	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	27385	55.174	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	93509	48.855	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	83652	49.252	ug/L	99
71) Naphthalene	14.086	128	317353	53.694	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	89921	51.918	ug/L	100

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

