

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046181.D
 Acq On : 08 Dec 2021 17:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

Quant Time: Dec 09 03:20:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	220984	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	217013	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	118871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	66823	36.709	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.420%
7) Chloroethane-d5	1.919	69	52723	37.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.440%
11) 1,1-Dichloroethene-d2	2.575	63	133311	40.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.580%
21) 2-Butanone-d5	4.642	46	139144	96.154	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.150%
24) Chloroform-d	5.070	84	139661	45.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.880%
26) 1,2-Dichloroethane-d4	5.706	65	89358	43.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.600%
32) Benzene-d6	5.732	84	280811	45.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	6.693	67	87818	45.556	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.120%
41) Toluene-d8	7.899	98	258287	45.607	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.220%
43) trans-1,3-Dichloroprop...	8.179	79	45222	48.597	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.200%
47) 2-Hexanone-d5	8.632	63	97042	106.175	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.170%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	138234	47.285	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	110280	48.173	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	103521	43.058	ug/L	100
3) Chloromethane	1.523	50	87786	40.822	ug/L	99
5) Vinyl chloride	1.607	62	91045	41.989	ug/L	98
6) Bromomethane	1.864	94	58181	47.341	ug/L	95
8) Chloroethane	1.941	64	54241	43.204	ug/L	100
9) Trichlorofluoromethane	2.144	101	126715	44.762	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	79779	49.615	ug/L	95
12) 1,1-Dichloroethene	2.588	96	75263	49.257	ug/L	83
13) Acetone	2.658	43	131240	72.566	ug/L	96
14) Carbon disulfide	2.800	76	201515	42.508	ug/L	99
15) Methyl Acetate	2.960	43	100861	47.840	ug/L	96
16) Methylene chloride	3.051	84	88470	48.665	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	82317	50.907	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	273479	54.879	ug/L	99
19) 1,1-Dichloroethane	3.877	63	147027	50.008	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	93516	53.299	ug/L	96
22) 2-Butanone	4.719	43	167280	84.966	ug/L	95
23) Bromochloromethane	4.980	128	46780	52.790	ug/L	90
25) Chloroform	5.092	83	156085	47.782	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	116838	48.200	ug/L	99
29) Cyclohexane	5.394	56	128979	51.041	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	137531	51.629	ug/L	97
31) Carbon tetrachloride	5.530	117	114319	50.550	ug/L	99
33) Benzene	5.777	78	339167	51.638	ug/L	100
34) Trichloroethene	6.546	95	89902	51.957	ug/L	97
35) Methylcyclohexane	6.764	83	136028	50.701	ug/L	98
37) 1,2-Dichloropropane	6.793	63	87294	50.735	ug/L	100
38) Bromodichloromethane	7.108	83	114062	49.876	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	144559	55.228	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	269764	106.713	ug/L	97
42) Toluene	7.970	91	373485	52.993	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	137738	53.578	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	90451	52.400	ug/L	99
46) Tetrachloroethene	8.555	164	68490	53.862	ug/L	97
48) 2-Hexanone	8.687	43	223350	98.792	ug/L	97
49) Dibromochloromethane	8.812	129	95477	52.672	ug/L	98
50) 1,2-Dibromoethane	8.925	107	99719	53.284	ug/L	95
51) Chlorobenzene	9.449	112	241623	52.992	ug/L	98
52) Ethylbenzene	9.571	91	417007	54.978	ug/L	99
53) m,p-Xylene	9.693	106	163529	55.283	ug/L	98
54) o-xylene	10.102	106	159828	55.684	ug/L	95
55) Styrene	10.115	104	276968	56.520	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	153343	51.815	ug/L	99
59) Bromoform	10.291	173	71660	51.388	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	127007	48.741	ug/L	99
61) Isopropylbenzene	10.484	105	425169	54.972	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	361894	56.137	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	365633	56.690	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	201041	54.722	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	204101	53.754	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	198167	53.563	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	34315	49.433	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	148096	55.324	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	139583	58.760	ug/L	99
71) Naphthalene	14.085	128	501514	60.670	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	138936	57.355	ug/L	99

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

