

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046484.D
 Acq On : 19 Dec 2021 10:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050151

Quant Time: Dec 20 00:22:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	157186	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	157272	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	92515	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	52304	40.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.780%
7) Chloroethane-d5	1.922	69	41051	41.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.580%
11) 1,1-Dichloroethene-d2	2.578	63	98477	42.366	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.740%
21) 2-Butanone-d5	4.642	46	91247	88.648	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.650%
24) Chloroform-d	5.070	84	106461	49.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.480%
26) 1,2-Dichloroethane-d4	5.706	65	67006	46.175	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.340%
32) Benzene-d6	5.732	84	198835	44.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.220%
36) 1,2-Dichloropropane-d6	6.693	67	61586	44.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.160%
41) Toluene-d8	7.902	98	179598	43.759	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.520%
43) trans-1,3-Dichloroprop...	8.182	79	31756	47.089	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.180%
47) 2-Hexanone-d5	8.636	63	68441	103.327	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.330%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	100641	47.503	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	72799	40.860	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	72566	42.433	ug/L	99
3) Chloromethane	1.526	50	63190	41.311	ug/L	98
5) Vinyl chloride	1.610	62	69644	45.155	ug/L	100
6) Bromomethane	1.864	94	40972	46.870	ug/L	96
8) Chloroethane	1.941	64	41605	46.590	ug/L	99
9) Trichlorofluoromethane	2.147	101	101704	50.509	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	55990	48.953	ug/L	98
12) 1,1-Dichloroethene	2.588	96	50913	46.845	ug/L	92
13) Acetone	2.665	43	110972	86.264	ug/L	99
14) Carbon disulfide	2.800	76	141834	42.062	ug/L	100
15) Methyl Acetate	2.961	43	64308	42.882	ug/L	97
16) Methylene chloride	3.054	84	58835	45.499	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	54201	47.124	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	174475	49.222	ug/L	99
19) 1,1-Dichloroethane	3.877	63	101582	48.574	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	60471	48.454	ug/L	98
22) 2-Butanone	4.723	43	124081	88.604	ug/L	96
23) Bromochloromethane	4.980	128	31210	49.515	ug/L	96
25) Chloroform	5.092	83	109401	47.084	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	85935	49.840	ug/L	98
29) Cyclohexane	5.394	56	83965	45.849	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	98623	51.086	ug/L	98
31) Carbon tetrachloride	5.530	117	83804	51.134	ug/L	98
33) Benzene	5.777	78	230574	48.440	ug/L	100
34) Trichloroethene	6.546	95	60328	48.109	ug/L	97
35) Methylcyclohexane	6.767	83	95769	49.254	ug/L	99
37) 1,2-Dichloropropane	6.793	63	60050	48.159	ug/L	100
38) Bromodichloromethane	7.108	83	82088	49.529	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	94170	49.643	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	171865	93.811	ug/L	99
42) Toluene	7.973	91	250732	49.090	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	93204	50.026	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	59747	47.760	ug/L	99
46) Tetrachloroethene	8.555	164	45962	49.876	ug/L	97
48) 2-Hexanone	8.687	43	157234	95.966	ug/L	99
49) Dibromochloromethane	8.812	129	66078	50.300	ug/L	97
50) 1,2-Dibromoethane	8.928	107	64878	47.835	ug/L	98
51) Chlorobenzene	9.449	112	157582	47.689	ug/L	99
52) Ethylbenzene	9.574	91	271284	49.352	ug/L	99
53) m,p-Xylene	9.697	106	107819	50.295	ug/L	99
54) o-xylene	10.102	106	104202	50.094	ug/L	99
55) Styrene	10.118	104	179882	50.652	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	104945	48.931	ug/L	100
59) Bromoform	10.295	173	49952	46.026	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	86286	42.547	ug/L	100
61) Isopropylbenzene	10.488	105	274603	45.620	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	241997	48.233	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	242005	48.211	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	128955	45.100	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	132305	44.772	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	129413	44.945	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	26931	49.848	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	99932	47.966	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	87667	47.419	ug/L	99
71) Naphthalene	14.089	128	318590	49.521	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	90793	48.159	ug/L	98

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

