

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122021\
 Data File : VU046520.D
 Acq On : 20 Dec 2021 19:07
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050154

Quant Time: Dec 21 00:18:12 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	155451	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	158550	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	88904	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	50647	39.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.100%
7) Chloroethane-d5	1.919	69	37681	38.326	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.660%
11) 1,1-Dichloroethene-d2	2.575	63	88592	38.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.080%
21) 2-Butanone-d5	4.646	46	75258	73.931	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.930%
24) Chloroform-d	5.070	84	90783	42.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.900%
26) 1,2-Dichloroethane-d4	5.703	65	59398	41.389	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.780%
32) Benzene-d6	5.732	84	173811	38.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.500%
36) 1,2-Dichloropropane-d6	6.694	67	52196	37.061	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	74.120%
41) Toluene-d8	7.899	98	158893	38.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.800%#
43) trans-1,3-Dichloroprop...	8.179	79	26849	39.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.980%
47) 2-Hexanone-d5	8.636	63	56968	85.312	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.310%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	81906	38.348	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.700%
66) 1,2-Dichlorobenzene-d4	12.192	152	62998	36.795	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	67676	40.015	ug/L	99
3) Chloromethane	1.527	50	59724	39.481	ug/L	95
5) Vinyl chloride	1.610	62	62892	41.233	ug/L	99
6) Bromomethane	1.864	94	36685	42.434	ug/L	99
8) Chloroethane	1.941	64	36169	40.955	ug/L	99
9) Trichlorofluoromethane	2.147	101	84729	42.548	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	42004	37.135	ug/L	97
12) 1,1-Dichloroethene	2.588	96	43871	40.816	ug/L	94
13) Acetone	2.665	43	60927	47.890	ug/L	99
14) Carbon disulfide	2.803	76	133723	40.100	ug/L	100
15) Methyl Acetate	2.964	43	53727	36.227	ug/L	99
16) Methylene chloride	3.054	84	52895	41.362	ug/L	96
17) trans-1,2-Dichloroethene	3.359	96	46444	40.831	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	145626	41.542	ug/L	99
19) 1,1-Dichloroethane	3.877	63	83534	40.390	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	49392	40.018	ug/L	95
22) 2-Butanone	4.726	43	84457	60.982	ug/L	96
23) Bromochloromethane	4.980	128	25688	41.209	ug/L	93
25) Chloroform	5.092	83	90103	39.211	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	72950	42.781	ug/L	98
29) Cyclohexane	5.395	56	69199	37.482	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	81685	41.971	ug/L	99
31) Carbon tetrachloride	5.530	117	69921	42.319	ug/L	98
33) Benzene	5.777	78	194098	40.448	ug/L	100
34) Trichloroethene	6.543	95	50905	40.267	ug/L	98
35) Methylcyclohexane	6.768	83	73452	37.472	ug/L	99
37) 1,2-Dichloropropane	6.793	63	48637	38.691	ug/L	99
38) Bromodichloromethane	7.108	83	66961	40.077	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	77818	40.692	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	139396	75.475	ug/L	99
42) Toluene	7.970	91	209085	40.606	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	76469	40.713	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	49515	39.262	ug/L	99
46) Tetrachloroethene	8.555	164	37285	40.134	ug/L	98
48) 2-Hexanone	8.687	43	114950	69.593	ug/L	97
49) Dibromochloromethane	8.813	129	53960	40.745	ug/L	96
50) 1,2-Dibromoethane	8.925	107	53480	39.114	ug/L	98
51) Chlorobenzene	9.446	112	128358	38.531	ug/L	99
52) Ethylbenzene	9.571	91	219723	39.650	ug/L	99
53) m,p-Xylene	9.694	106	87173	40.337	ug/L	98
54) o-xylene	10.102	106	83217	39.684	ug/L	99
55) Styrene	10.115	104	145624	40.675	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	84576	39.116	ug/L	99
59) Bromoform	10.292	173	39603	37.972	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	70910	36.385	ug/L	98
61) Isopropylbenzene	10.485	105	219440	37.936	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	188983	39.197	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	190144	39.418	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	101365	36.891	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	104959	36.961	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	102681	37.109	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	21407	41.233	ug/L	100
69) 1,3,5-Trichlorobenzene	13.218	180	75204	37.563	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	66649	37.514	ug/L	98
71) Naphthalene	14.086	128	244188	39.498	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	69756	38.503	ug/L	98

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

