

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021722\
 Data File : VU047194.D
 Acq On : 17 Feb 2022 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050168

Quant Time: Feb 18 00:51:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 12 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	353162	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	354047	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	205301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	145582	45.389	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.780%
7) Chloroethane-d5	1.919	69	126964	53.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.575	63	242893	45.698	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.400%
21) 2-Butanone-d5	4.632	46	260299	104.641	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.640%
24) Chloroform-d	5.070	84	267014	51.280	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.560%
26) 1,2-Dichloroethane-d4	5.706	65	171286	51.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.500%
32) Benzene-d6	5.732	84	531770	45.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.360%
36) 1,2-Dichloropropane-d6	6.693	67	175991	46.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.220%
41) Toluene-d8	7.902	98	512442	45.725	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.460%
43) trans-1,3-Dichloroprop...	8.182	79	89506	44.745	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.480%
47) 2-Hexanone-d5	8.635	63	203193	92.918	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	274552	49.328	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.660%
66) 1,2-Dichlorobenzene-d4	12.195	152	220023	45.188	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	161178	48.982	ug/L	100
3) Chloromethane	1.526	50	163668	50.263	ug/L	98
5) Vinyl chloride	1.607	62	162982	49.668	ug/L	100
6) Bromomethane	1.864	94	100031	52.406	ug/L	99
8) Chloroethane	1.941	64	104056	55.005	ug/L	96
9) Trichlorofluoromethane	2.144	101	213601	56.211	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	121638	51.967	ug/L	95
12) 1,1-Dichloroethene	2.587	96	112837	49.133	ug/L	99
13) Acetone	2.649	43	185530	102.384	ug/L	98
14) Carbon disulfide	2.800	76	336819	46.730	ug/L	99
15) Methyl Acetate	2.957	43	142100	46.599	ug/L	96
16) Methylene chloride	3.054	84	128831	50.695	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	121574	50.387	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	394061	48.295	ug/L	96
19) 1,1-Dichloroethane	3.877	63	221106	48.794	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	139214	52.163	ug/L	100
22) 2-Butanone	4.713	43	243070	99.972	ug/L	98
23) Bromochloromethane	4.980	128	72568	51.272	ug/L	97
25) Chloroform	5.092	83	232441	52.366	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	182090	51.628	ug/L	100
29) Cyclohexane	5.394	56	208158	44.860	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	201351	47.480	ug/L	98
31) Carbon tetrachloride	5.529	117	177693	48.328	ug/L	100
33) Benzene	5.777	78	527280	47.749	ug/L	100
34) Trichloroethene	6.546	95	136188	47.478	ug/L	97
35) Methylcyclohexane	6.767	83	228762	47.530	ug/L	98
37) 1,2-Dichloropropane	6.793	63	135951	45.961	ug/L	98
38) Bromodichloromethane	7.108	83	181635	48.178	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	217895	45.325	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	415349	88.672	ug/L	95
42) Toluene	7.973	91	587086	48.403	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	217808	47.154	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	135469	48.626	ug/L	97
46) Tetrachloroethene	8.555	164	113348	49.122	ug/L	97
48) 2-Hexanone	8.687	43	352077	90.889	ug/L	96
49) Dibromochloromethane	8.812	129	154194	47.838	ug/L	99
50) 1,2-Dibromoethane	8.925	107	152452	49.263	ug/L	100
51) Chlorobenzene	9.449	112	382786	49.220	ug/L	99
52) Ethylbenzene	9.574	91	646776	48.724	ug/L	99
53) m,p-Xylene	9.697	106	253285	48.092	ug/L	97
54) o-xylene	10.102	106	249691	48.151	ug/L	99
55) Styrene	10.118	104	431076	48.312	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	240815	49.032	ug/L	99
59) Bromoform	10.291	173	123969	44.478	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	190793	43.595	ug/L	96
61) Isopropylbenzene	10.487	105	656256	45.472	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	450727	44.067	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	549694	44.265	ug/L	97
64) 1,3-Dichlorobenzene	11.748	146	310997	46.182	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	312139	46.111	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	306419	45.724	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	54983	39.433	ug/L	85
69) 1,3,5-Trichlorobenzene	13.220	180	246747	47.380	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	234057	47.412	ug/L	98
71) Naphthalene	14.085	128	780495	44.659	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	232090	47.216	ug/L	98

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

