

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021122\
 Data File : VU047103.D
 Acq On : 11 Feb 2022 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

Quant Time: Feb 11 11:51:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 11 01:13:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	487144	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	454101	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	242620	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	203438	45.982	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.960%		
7) Chloroethane-d5	1.919	69	155430	47.391	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.780%		
11) 1,1-Dichloroethene-d2	2.575	63	347525	47.400	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.800%		
21) 2-Butanone-d5	4.639	46	424282	123.652	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	123.650%		
24) Chloroform-d	5.067	84	341958	47.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.220%		
26) 1,2-Dichloroethane-d4	5.703	65	221037	47.947	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.900%		
32) Benzene-d6	5.729	84	709468	46.994	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.980%		
36) 1,2-Dichloropropane-d6	6.694	67	233948	47.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.580%		
41) Toluene-d8	7.899	98	671102	46.688	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.380%		
43) trans-1,3-Dichloroprop...	8.182	79	124385	48.481	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.960%		
47) 2-Hexanone-d5	8.636	63	313021	111.602	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.600%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	350903	49.155	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.300%		
66) 1,2-Dichlorobenzene-d4	12.195	152	264086	45.895	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	229029	50.459	ug/L	99
3) Chloromethane	1.527	50	223316	49.719	ug/L	99
5) Vinyl chloride	1.607	62	227840	50.336	ug/L	99
6) Bromomethane	1.864	94	135006	51.276	ug/L	96
8) Chloroethane	1.938	64	130799	50.125	ug/L	95
9) Trichlorofluoromethane	2.144	101	257957	49.214	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	160974	49.858	ug/L	97
12) 1,1-Dichloroethene	2.584	96	153843	48.565	ug/L	88
13) Acetone	2.655	43	336224	134.513	ug/L	96
14) Carbon disulfide	2.800	76	497522	50.041	ug/L	100
15) Methyl Acetate	2.957	43	249413	59.295	ug/L	94
16) Methylene chloride	3.051	84	176833	50.446	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	164365	49.386	ug/L	93
18) Methyl tert-butyl Ether	3.366	73	566581	50.341	ug/L	96
19) 1,1-Dichloroethane	3.874	63	312384	49.978	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	185247	50.321	ug/L	93
22) 2-Butanone	4.719	43	436256	130.079	ug/L	95
23) Bromochloromethane	4.980	128	94134	48.217	ug/L	93
25) Chloroform	5.092	83	305854	49.954	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	248615	51.102	ug/L	100
29) Cyclohexane	5.391	56	305013	51.250	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	270121	49.662	ug/L	98
31) Carbon tetrachloride	5.530	117	235935	50.030	ug/L	99
33) Benzene	5.777	78	711078	50.205	ug/L	100
34) Trichloroethene	6.546	95	184217	50.071	ug/L	99
35) Methylcyclohexane	6.768	83	317414	51.418	ug/L	95
37) 1,2-Dichloropropane	6.793	63	190202	50.134	ug/L	98
38) Bromodichloromethane	7.108	83	240930	49.825	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	317449	51.484	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	685066	114.028	ug/L	94
42) Toluene	7.973	91	785332	50.482	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	307278	51.866	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	178099	49.842	ug/L	95
46) Tetrachloroethene	8.555	164	147735	49.917	ug/L	97
48) 2-Hexanone	8.687	43	592983	119.350	ug/L	95
49) Dibromochloromethane	8.813	129	204956	49.577	ug/L	99
50) 1,2-Dibromoethane	8.925	107	202390	50.990	ug/L	100
51) Chlorobenzene	9.449	112	494407	49.565	ug/L	98
52) Ethylbenzene	9.571	91	847413	49.772	ug/L	99
53) m,p-Xylene	9.697	106	334359	49.497	ug/L	96
54) o-xylene	10.102	106	327937	49.306	ug/L	97
55) Styrene	10.118	104	563342	49.225	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	330107	52.403	ug/L	99
59) Bromoform	10.292	173	164878	50.056	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	277023	53.562	ug/L	95
61) Isopropylbenzene	10.488	105	854139	50.080	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	600398	49.671	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	738028	50.289	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	396633	49.839	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	398758	49.846	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	389010	49.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	90652	55.015	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	306538	49.808	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	283664	48.623	ug/L	99
71) Naphthalene	14.086	128	1025358	49.645	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	278626	47.965	ug/L	98

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

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