

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022421\
 Data File : VU042418.D
 Acq On : 24 Feb 2021 09:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Feb 25 02:11:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 03:51:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	220325	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	206943	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	114471	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71963	43.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.80%		
7) Chloroethane-d5	1.919	69	59215	52.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.14%		
11) 1,1-Dichloroethene-d2	2.575	63	168675	47.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.34%		
21) 2-Butanone-d5	4.639	46	179724	104.76	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.76%		
24) Chloroform-d	5.073	84	167856	50.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.82%		
26) 1,2-Dichloroethane-d4	5.713	65	117691	49.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.92%		
32) Benzene-d6	5.739	84	294994	49.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.12%		
36) 1,2-Dichloropropane-d6	6.700	67	99844	49.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.44%		
41) Toluene-d8	7.906	98	284288	49.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.82%		
43) trans-1,3-Dichloroprop...	8.189	79	54000	51.72	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.44%		
47) 2-Hexanone-d5	8.642	63	116896	102.94	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.94%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	149211	49.91	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.82%		
66) 1,2-Dichlorobenzene-d4	12.201	152	120972	50.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.80%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	85551	46.33	ug/L	99
3) Chloromethane	1.523	50	79851	47.36	ug/L	99
5) Vinyl chloride	1.607	62	81248	48.61	ug/L	96
6) Bromomethane	1.864	94	49910	53.33	ug/L	97
8) Chloroethane	1.938	64	49977	54.45	ug/L	99
9) Trichlorofluoromethane	2.144	101	133749	51.87	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	77666	50.28	ug/L	98
12) 1,1-Dichloroethene	2.588	96	69175	48.91	ug/L	94
13) Acetone	2.645	43	194341	125.41	ug/L	99
14) Carbon disulfide	2.803	76	202306	47.50	ug/L	99
15) Methyl Acetate	2.961	43	117980	49.51	ug/L	100
16) Methylene chloride	3.057	84	77588	48.51	ug/L	98
17) trans-1,2-Dichloroethene	3.362	96	71846	48.75	ug/L	97
18) Methyl tert-butyl Ether	3.372	73	262484	49.50	ug/L	99
19) 1,1-Dichloroethane	3.880	63	148836	48.74	ug/L	99
20) cis-1,2-Dichloroethene	4.678	96	81338	49.10	ug/L	97
22) 2-Butanone	4.719	43	226583	112.91	ug/L	99
23) Bromochloromethane	4.983	128	43234	49.16	ug/L	98
25) Chloroform	5.099	83	154487	49.85	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	137733	50.26	ug/L	99
29) Cyclohexane	5.398	56	134811	48.90	ug/L	100
30) 1,1,1-Trichloroethane	5.327	97	141170	49.86	ug/L	99
31) Carbon tetrachloride	5.536	117	122501	50.29	ug/L	99
33) Benzene	5.784	78	311785	49.28	ug/L	100
34) Trichloroethene	6.552	95	83475	50.36	ug/L	98
35) Methylcyclohexane	6.774	83	129317	50.63	ug/L	98
37) 1,2-Dichloropropane	6.800	63	87653	49.48	ug/L	100
38) Bromodichloromethane	7.115	83	118676	49.84	ug/L	98
39) cis-1,3-Dichloropropene	7.616	75	139053	50.40	ug/L	100
40) 4-Methyl-2-pentanone	7.803	43	351175	100.39	ug/L	99
42) Toluene	7.976	91	338981	50.15	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	137732	50.67	ug/L	99
45) 1,1,2-Trichloroethane	8.410	97	81510	50.16	ug/L	99
46) Tetrachloroethene	8.562	164	68362	52.19	ug/L	98
48) 2-Hexanone	8.697	43	305787	107.98	ug/L	98
49) Dibromochloromethane	8.819	129	96626	51.05	ug/L	99
50) 1,2-Dibromoethane	8.931	107	92032	50.51	ug/L	100
51) Chlorobenzene	9.455	112	217117	50.61	ug/L	99
52) Ethylbenzene	9.578	91	387984	51.54	ug/L	100
53) m,p-Xylene	9.703	106	143275	51.07	ug/L	99
54) o-xylene	10.108	106	143282	51.35	ug/L	98
55) Styrene	10.121	104	242229	50.77	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.793	83	146687	49.59	ug/L	100
59) Bromoform	10.301	173	81388	50.70	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	123571	48.98	ug/L	99
61) Isopropylbenzene	10.494	105	384801	50.50	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	335141	50.83	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	336812	50.70	ug/L	99
64) 1,3-Dichlorobenzene	11.754	146	181309	50.46	ug/L	99
65) 1,4-Dichlorobenzene	11.844	146	179756	49.12	ug/L	99
67) 1,2-Dichlorobenzene	12.221	146	183905	49.80	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.005	75	43488	51.81	ug/L	99
69) 1,3,5-Trichlorobenzene	13.227	180	143905	51.95	ug/L	99
70) 1,2,4-trichlorobenzene	13.851	180	124587	53.63	ug/L	98
71) Naphthalene	14.095	128	390165	53.19	ug/L	100
72) 1,2,3-Trichlorobenzene	14.339	180	123792	52.41	ug/L	100

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

