

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022421\
 Data File : VU042423.D
 Acq On : 24 Feb 2021 12:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

Quant Time: Feb 25 02:16:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 25 02:14:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	205032	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	196745	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	107884	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	71809	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.08%
7) Chloroethane-d5	1.916	69	60066	56.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.52%
11) 1,1-Dichloroethene-d2	2.575	63	160814	48.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.66%
21) 2-Butanone-d5	4.636	46	160182	100.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.34%
24) Chloroform-d	5.073	84	159206	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.713	65	113225	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
32) Benzene-d6	5.736	84	282901	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
36) 1,2-Dichloropropane-d6	6.700	67	94444	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.94%
41) Toluene-d8	7.906	98	270667	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%
43) trans-1,3-Dichloroprop...	8.189	79	49564	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.642	63	107328	99.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.41%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	143839	50.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	114881	50.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	83430	48.55	ug/L	99
3) Chloromethane	1.523	50	78925	50.31	ug/L	99
5) Vinyl chloride	1.607	62	78208	50.28	ug/L	98
6) Bromomethane	1.861	94	50498	57.98	ug/L	97
8) Chloroethane	1.935	64	50267	58.85	ug/L	98
9) Trichlorofluoromethane	2.141	101	128131	53.40	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	73638	51.23	ug/L	99
12) 1,1-Dichloroethene	2.588	96	66720	50.69	ug/L	97
13) Acetone	2.642	43	145164	100.66	ug/L	100
14) Carbon disulfide	2.800	76	192245	48.51	ug/L	99
15) Methyl Acetate	2.958	43	108410	48.89	ug/L	98
16) Methylene chloride	3.054	84	76860	51.64	ug/L	96
17) trans-1,2-Dichloroethene	3.363	96	69228	50.48	ug/L	99
18) Methyl tert-butyl Ether	3.372	73	251793	51.03	ug/L	99
19) 1,1-Dichloroethane	3.880	63	145180	51.08	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	79258	51.42	ug/L	99
22) 2-Butanone	4.716	43	187155	100.22	ug/L	99
23) Bromochloromethane	4.983	128	42535	51.97	ug/L	99
25) Chloroform	5.099	83	149149	51.72	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	134143	52.60	ug/L	98
29) Cyclohexane	5.398	56	128412	48.99	ug/L	100
30) 1,1,1-Trichloroethane	5.324	97	136497	50.70	ug/L	100
31) Carbon tetrachloride	5.533	117	115272	49.78	ug/L	100
33) Benzene	5.784	78	302434	50.28	ug/L	100
34) Trichloroethene	6.549	95	80361	50.99	ug/L	97
35) Methylcyclohexane	6.771	83	120743	49.72	ug/L	98
37) 1,2-Dichloropropane	6.800	63	85140	50.55	ug/L	99
38) Bromodichloromethane	7.115	83	113391	50.09	ug/L	97
39) cis-1,3-Dichloropropene	7.616	75	133729	50.98	ug/L	100
40) 4-Methyl-2-pentanone	7.800	43	331326	99.63	ug/L	99
42) Toluene	7.977	91	328672	51.14	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	133199	51.55	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	77286	50.03	ug/L	98
46) Tetrachloroethene	8.562	164	64871	52.09	ug/L	97
48) 2-Hexanone	8.694	43	271506	100.84	ug/L	100
49) Dibromochloromethane	8.819	129	93128	51.76	ug/L	99
50) 1,2-Dibromoethane	8.932	107	87518	50.52	ug/L	100
51) Chlorobenzene	9.456	112	206383	50.61	ug/L	99
52) Ethylbenzene	9.578	91	370064	51.71	ug/L	100
53) m,p-Xylene	9.700	106	134858	50.56	ug/L	98
54) o-xylene	10.108	106	137929	51.99	ug/L	98
55) Styrene	10.121	104	234534	51.71	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	141090	50.17	ug/L	100
59) Bromoform	10.298	173	78242	51.71	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	119203	50.13	ug/L	99
61) Isopropylbenzene	10.491	105	369346	51.43	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	316901	50.99	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	321255	51.31	ug/L	99
64) 1,3-Dichlorobenzene	11.755	146	173043	51.10	ug/L	99
65) 1,4-Dichlorobenzene	11.845	146	170238	49.36	ug/L	99
67) 1,2-Dichlorobenzene	12.221	146	176256	50.64	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.005	75	39307	49.69	ug/L	97
69) 1,3,5-Trichlorobenzene	13.227	180	134120	51.38	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	114175	52.14	ug/L	99
71) Naphthalene	14.095	128	365035	52.80	ug/L	100
72) 1,2,3-Trichlorobenzene	14.336	180	114507	51.44	ug/L	100

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

