

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047101.D
 Acq On : 11 Feb 2022 02:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

Quant Time: Feb 11 03:58:46 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	471377	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	442963	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	234533	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	207826	48.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.100%
7) Chloroethane-d5	1.922	69	157288	49.562	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.120%
11) 1,1-Dichloroethene-d2	2.578	63	349224	49.225	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
21) 2-Butanone-d5	4.642	46	432502	130.264	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.260%#
24) Chloroform-d	5.067	84	342090	49.222	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.440%
26) 1,2-Dichloroethane-d4	5.707	65	219407	49.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.380%
32) Benzene-d6	5.732	84	718653	48.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.694	67	233627	48.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.840%
41) Toluene-d8	7.899	98	680124	48.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	8.179	79	121634	48.600	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.200%
47) 2-Hexanone-d5	8.636	63	323136	118.105	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.110%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	358654	51.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	268210	48.219	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	215009	48.954	ug/L	99
3) Chloromethane	1.530	50	214964	49.461	ug/L	99
5) Vinyl chloride	1.610	62	218891	49.977	ug/L	99
6) Bromomethane	1.864	94	123964	48.657	ug/L	98
8) Chloroethane	1.941	64	126027	49.912	ug/L	96
9) Trichlorofluoromethane	2.147	101	247067	48.713	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	150355	48.127	ug/L	98
12) 1,1-Dichloroethene	2.588	96	148081	48.309	ug/L	91
13) Acetone	2.668	43	228269	94.378	ug/L	96
14) Carbon disulfide	2.803	76	472831	49.148	ug/L	99
15) Methyl Acetate	2.961	43	242798	59.653	ug/L	94
16) Methylene chloride	3.054	84	169006	49.826	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	156058	48.458	ug/L	91
18) Methyl tert-butyl Ether	3.369	73	534388	49.068	ug/L	95
19) 1,1-Dichloroethane	3.877	63	298814	49.406	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	178066	49.988	ug/L	92
22) 2-Butanone	4.723	43	381548	117.572	ug/L	95
23) Bromochloromethane	4.980	128	91072	48.209	ug/L	95
25) Chloroform	5.092	83	291248	49.159	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	234552	49.824	ug/L	99
29) Cyclohexane	5.395	56	289614	49.886	ug/L	94
30) 1,1,1-Trichloroethane	5.321	97	256372	48.320	ug/L	98
31) Carbon tetrachloride	5.530	117	224255	48.749	ug/L	99
33) Benzene	5.777	78	676289	48.950	ug/L	100
34) Trichloroethene	6.546	95	173769	48.419	ug/L	98
35) Methylcyclohexane	6.768	83	289742	48.116	ug/L	95
37) 1,2-Dichloropropane	6.793	63	181681	49.092	ug/L	97
38) Bromodichloromethane	7.108	83	230774	48.925	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	294489	48.961	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	662672	113.074	ug/L	94
42) Toluene	7.970	91	746871	49.217	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	284712	49.265	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	168314	48.288	ug/L	96
46) Tetrachloroethene	8.555	164	137409	47.596	ug/L	97
48) 2-Hexanone	8.687	43	561586	115.873	ug/L #	94
49) Dibromochloromethane	8.809	129	192059	47.625	ug/L	99
50) 1,2-Dibromoethane	8.925	107	190176	49.117	ug/L	99
51) Chlorobenzene	9.449	112	472207	48.530	ug/L	99
52) Ethylbenzene	9.571	91	811581	48.866	ug/L	100
53) m,p-Xylene	9.697	106	321967	48.861	ug/L	96
54) o-xylene	10.102	106	314238	48.434	ug/L	96
55) Styrene	10.115	104	539850	48.358	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	316296	51.473	ug/L	98
59) Bromoform	10.292	173	156700	49.214	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	263748	52.754	ug/L	96
61) Isopropylbenzene	10.484	105	808364	49.030	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	566630	48.494	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	695049	48.994	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	373207	48.513	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	375245	48.524	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	370961	48.455	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	89912	56.447	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	283197	47.602	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	266821	47.313	ug/L	99
71) Naphthalene	14.086	128	987427	49.457	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	266042	47.378	ug/L	98

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

