

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022222\
 Data File : VU047231.D
 Acq On : 22 Feb 2022 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Feb 23 03:39:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	372368	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	361412	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	211895	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	117188	34.652	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.300%
7) Chloroethane-d5	1.919	69	111962	44.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.320%
11) 1,1-Dichloroethene-d2	2.575	63	223504	39.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.760%
21) 2-Butanone-d5	4.629	46	296968	113.225	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.220%
24) Chloroform-d	5.070	84	256426	46.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.420%
26) 1,2-Dichloroethane-d4	5.707	65	163542	46.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.820%
32) Benzene-d6	5.732	84	496456	41.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.640%
36) 1,2-Dichloropropane-d6	6.694	67	164769	42.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.580%
41) Toluene-d8	7.899	98	466167	40.748	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.500%
43) trans-1,3-Dichloroprop...	8.179	79	84317	41.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.580%
47) 2-Hexanone-d5	8.632	63	239611	107.338	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.340%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	277494	48.841	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.680%
66) 1,2-Dichlorobenzene-d4	12.195	152	210718	41.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	168150	48.465	ug/L	99
3) Chloromethane	1.530	50	155040	45.158	ug/L	99
5) Vinyl chloride	1.607	62	166043	47.991	ug/L	100
6) Bromomethane	1.864	94	109436	54.376	ug/L	97
8) Chloroethane	1.938	64	107485	53.887	ug/L	96
9) Trichlorofluoromethane	2.144	101	218687	54.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	129310	52.396	ug/L	95
12) 1,1-Dichloroethene	2.588	96	118040	48.748	ug/L	93
13) Acetone	2.646	43	237248	124.172	ug/L	97
14) Carbon disulfide	2.800	76	354445	46.639	ug/L	99
15) Methyl Acetate	2.954	43	169406	52.688	ug/L	97
16) Methylene chloride	3.051	84	137662	51.376	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	129968	51.088	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	405922	47.183	ug/L	97
19) 1,1-Dichloroethane	3.877	63	236786	49.560	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	147852	52.542	ug/L	99
22) 2-Butanone	4.710	43	298954	116.615	ug/L	97
23) Bromochloromethane	4.980	128	77017	51.609	ug/L	96
25) Chloroform	5.092	83	245454	52.445	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	193755	52.102	ug/L	99
29) Cyclohexane	5.395	56	218162	46.058	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	214736	49.605	ug/L	99
31) Carbon tetrachloride	5.530	117	186361	49.653	ug/L	99
33) Benzene	5.777	78	550150	48.805	ug/L	100
34) Trichloroethene	6.546	95	144227	49.256	ug/L	98
35) Methylcyclohexane	6.764	83	237501	48.340	ug/L	97
37) 1,2-Dichloropropane	6.793	63	143025	47.368	ug/L	98
38) Bromodichloromethane	7.108	83	190193	49.420	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	237089	48.312	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	477206	99.801	ug/L	96
42) Toluene	7.970	91	605591	48.912	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	228207	48.398	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	143023	50.291	ug/L	97
46) Tetrachloroethene	8.555	164	119514	50.738	ug/L	96
48) 2-Hexanone	8.684	43	404943	102.406	ug/L	97
49) Dibromochloromethane	8.813	129	156811	47.659	ug/L	97
50) 1,2-Dibromoethane	8.925	107	160874	50.925	ug/L	100
51) Chlorobenzene	9.449	112	387813	48.850	ug/L	99
52) Ethylbenzene	9.571	91	651971	48.114	ug/L	99
53) m,p-Xylene	9.694	106	256904	47.785	ug/L	96
54) o-xylene	10.102	106	248951	47.030	ug/L	99
55) Styrene	10.115	104	432655	47.501	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	260126	51.884	ug/L	99
59) Bromoform	10.292	173	124343	43.224	ug/L	96
60) 1,2,3-Trichloropropane	10.825	75	210365	46.572	ug/L	96
61) Isopropylbenzene	10.484	105	658457	44.205	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	469862	44.508	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	580183	45.266	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	322282	46.369	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	326805	46.775	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	320958	46.403	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	73055	50.764	ug/L	85
69) 1,3,5-Trichlorobenzene	13.221	180	273736	50.927	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	258580	50.750	ug/L	99
71) Naphthalene	14.086	128	879183	48.740	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	254847	50.233	ug/L	98

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

