

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022222\
 Data File : VU047239.D
 Acq On : 22 Feb 2022 18:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Feb 23 04:11:52 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	6.250	114	362296	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	356504	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	207368	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	153141	46.542	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.080%
7) Chloroethane-d5	1.919	69	124424	51.011	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.020%
11) 1,1-Dichloroethene-d2	2.575	63	260424	47.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.520%
21) 2-Butanone-d5	4.636	46	272427	106.755	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.760%
24) Chloroform-d	5.067	84	266770	49.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.880%
26) 1,2-Dichloroethane-d4	5.706	65	164006	47.835	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.680%
32) Benzene-d6	5.732	84	537872	45.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.760%
36) 1,2-Dichloropropane-d6	6.694	67	167873	43.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.360%
41) Toluene-d8	7.899	98	513528	45.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.020%
43) trans-1,3-Dichloroprop...	8.179	79	86070	42.731	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.460%
47) 2-Hexanone-d5	8.636	63	224161	101.800	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.800%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	263269	46.975	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.940%
66) 1,2-Dichlorobenzene-d4	12.192	152	210477	42.797	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	160762	47.624	ug/L	99
3) Chloromethane	1.527	50	168438	50.424	ug/L	100
5) Vinyl chloride	1.607	62	159042	47.245	ug/L	99
6) Bromomethane	1.864	94	81975	41.864	ug/L	99
8) Chloroethane	1.938	64	100971	52.029	ug/L	98
9) Trichlorofluoromethane	2.144	101	216441	55.523	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	122831	51.154	ug/L	95
12) 1,1-Dichloroethene	2.584	96	115293	48.937	ug/L	93
13) Acetone	2.652	43	198335	106.691	ug/L	97
14) Carbon disulfide	2.800	76	335247	45.339	ug/L	99
15) Methyl Acetate	2.957	43	166998	53.383	ug/L	98
16) Methylene chloride	3.051	84	134611	51.634	ug/L	96
17) trans-1,2-Dichloroethene	3.359	96	124078	50.128	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	398351	47.590	ug/L	97
19) 1,1-Dichloroethane	3.874	63	228927	49.247	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	142641	52.099	ug/L	100
22) 2-Butanone	4.716	43	282423	113.229	ug/L	98
23) Bromochloromethane	4.980	128	74025	50.983	ug/L	95
25) Chloroform	5.092	83	237659	52.192	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	186159	51.451	ug/L	100
29) Cyclohexane	5.391	56	205724	44.030	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	205907	48.220	ug/L #	50
31) Carbon tetrachloride	5.530	117	178762	48.284	ug/L	99
33) Benzene	5.777	78	533880	48.014	ug/L	100
34) Trichloroethene	6.546	95	137869	47.732	ug/L	98
35) Methylcyclohexane	6.764	83	219505	45.292	ug/L	98
37) 1,2-Dichloropropane	6.793	63	138236	46.412	ug/L	99
38) Bromodichloromethane	7.108	83	182902	48.180	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	225904	46.667	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	465817	98.761	ug/L	96
42) Toluene	7.970	91	585081	47.906	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	216556	46.559	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	138563	49.394	ug/L	97
46) Tetrachloroethene	8.555	164	112015	48.209	ug/L	97
48) 2-Hexanone	8.687	43	398107	102.063	ug/L	96
49) Dibromochloromethane	8.812	129	151292	46.615	ug/L	100
50) 1,2-Dibromoethane	8.925	107	154800	49.676	ug/L	100
51) Chlorobenzene	9.449	112	371877	47.487	ug/L	99
52) Ethylbenzene	9.571	91	628082	46.989	ug/L	99
53) m,p-Xylene	9.693	106	243436	45.903	ug/L	97
54) o-xylene	10.102	106	237155	45.418	ug/L	99
55) Styrene	10.115	104	412389	45.899	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	259857	52.544	ug/L	100
59) Bromoform	10.291	173	123338	43.811	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	204974	46.369	ug/L	97
61) Isopropylbenzene	10.484	105	626278	42.962	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	441468	42.731	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	549949	43.844	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	307280	45.176	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	311522	45.561	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	313230	46.274	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	71271	50.605	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.217	180	255343	48.542	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	243275	48.788	ug/L	98
71) Naphthalene	14.086	128	845235	47.881	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	241467	48.634	ug/L	98

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

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