

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047079.D
 Acq On : 10 Feb 2022 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: Feb 11 01:08:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 10 16:26:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	492298	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	464713	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	247925	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	217694	48.689	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.380%
7) Chloroethane-d5	1.919	69	164390	49.599	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.575	63	361708	48.818	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.640%
21) 2-Butanone-d5	4.645	46	420284	121.204	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.200%
24) Chloroform-d	5.070	84	358286	49.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.720%
26) 1,2-Dichloroethane-d4	5.706	65	230833	49.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.100%
32) Benzene-d6	5.732	84	759858	49.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.360%
36) 1,2-Dichloropropane-d6	6.694	67	245485	48.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.000%
41) Toluene-d8	7.899	98	717926	48.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.620%
43) trans-1,3-Dichloroprop...	8.179	79	131161	49.954	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.900%
47) 2-Hexanone-d5	8.636	63	324855	113.176	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	373324	51.101	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	287306	48.862	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	226448	49.368	ug/L	99
3) Chloromethane	1.527	50	226666	49.937	ug/L	100
5) Vinyl chloride	1.610	62	226230	49.457	ug/L	100
6) Bromomethane	1.864	94	138414	52.020	ug/L	96
8) Chloroethane	1.941	64	129753	49.204	ug/L	97
9) Trichlorofluoromethane	2.147	101	257030	48.523	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	161092	49.372	ug/L	96
12) 1,1-Dichloroethene	2.588	96	155685	48.632	ug/L	96
13) Acetone	2.668	43	303312	120.076	ug/L	97
14) Carbon disulfide	2.800	76	500772	49.841	ug/L	99
15) Methyl Acetate	2.964	43	241832	56.891	ug/L	95
16) Methylene chloride	3.054	84	177525	50.113	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	164218	48.825	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	571480	50.244	ug/L	96
19) 1,1-Dichloroethane	3.877	63	313391	49.614	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	185128	49.762	ug/L	# 93
22) 2-Butanone	4.726	43	405087	119.521	ug/L	96
23) Bromochloromethane	4.980	128	98456	49.902	ug/L	97
25) Chloroform	5.092	83	304991	49.291	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	244780	49.787	ug/L	100
29) Cyclohexane	5.395	56	300406	49.324	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	270862	48.661	ug/L	98
31) Carbon tetrachloride	5.530	117	236482	49.001	ug/L	99
33) Benzene	5.777	78	709558	48.954	ug/L	100
34) Trichloroethene	6.546	95	181846	48.298	ug/L	98
35) Methylcyclohexane	6.767	83	313902	49.688	ug/L	96
37) 1,2-Dichloropropane	6.793	63	190287	49.011	ug/L	98
38) Bromodichloromethane	7.108	83	242559	49.017	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	317297	50.284	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	675219	109.823	ug/L	95
42) Toluene	7.970	91	783219	49.196	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	308437	50.873	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	181166	49.543	ug/L	96
46) Tetrachloroethene	8.555	164	147237	48.613	ug/L	97
48) 2-Hexanone	8.687	43	575929	113.271	ug/L	94
49) Dibromochloromethane	8.812	129	207370	49.015	ug/L	98
50) 1,2-Dibromoethane	8.925	107	204204	50.272	ug/L	99
51) Chlorobenzene	9.449	112	500332	49.014	ug/L	99
52) Ethylbenzene	9.571	91	858216	49.256	ug/L	100
53) m,p-Xylene	9.697	106	342127	49.491	ug/L	96
54) o-xylene	10.102	106	333568	49.007	ug/L	96
55) Styrene	10.115	104	576192	49.198	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	331490	51.421	ug/L	100
59) Bromoform	10.291	173	170766	50.735	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	275479	52.124	ug/L	96
61) Isopropylbenzene	10.488	105	862267	49.475	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	605073	48.987	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	741757	49.462	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	403320	49.595	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	406903	49.775	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	396519	48.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	88300	52.441	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	312328	49.662	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	296867	49.797	ug/L	99
71) Naphthalene	14.086	128	1094899	51.878	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	296105	49.883	ug/L	99

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

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