

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120621\
 Data File : VU046103.D
 Acq On : 06 Dec 2021 11:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050123

Quant Time: Dec 06 14:17:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	265560	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	260986	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	140408	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	79931	36.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.080%
7) Chloroethane-d5	1.919	69	59257	35.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.560%
11) 1,1-Dichloroethene-d2	2.575	63	163807	41.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.420%
21) 2-Butanone-d5	4.636	46	135453	77.892	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.890%
24) Chloroform-d	5.066	84	155610	42.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.706	65	96016	39.164	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.320%
32) Benzene-d6	5.732	84	316823	42.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.700%
36) 1,2-Dichloropropane-d6	6.693	67	96252	41.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.040%
41) Toluene-d8	7.902	98	296526	43.538	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.080%
43) trans-1,3-Dichloroprop...	8.182	79	51225	45.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.540%
47) 2-Hexanone-d5	8.635	63	97591	88.785	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.790%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142410	40.506	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	114353	42.290	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	128890	44.611	ug/L	99
3) Chloromethane	1.520	50	110064	42.591	ug/L	100
5) Vinyl chloride	1.607	62	120393	46.204	ug/L	100
6) Bromomethane	1.861	94	69854	47.298	ug/L	99
8) Chloroethane	1.938	64	68800	45.602	ug/L	100
9) Trichlorofluoromethane	2.144	101	160713	47.242	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	103311	53.465	ug/L	95
12) 1,1-Dichloroethene	2.584	96	96610	52.614	ug/L	85
13) Acetone	2.652	43	187040	86.060	ug/L	98
14) Carbon disulfide	2.800	76	283165	49.706	ug/L	99
15) Methyl Acetate	2.957	43	120704	47.642	ug/L	97
16) Methylene chloride	3.050	84	109432	50.092	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	105504	54.295	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	338061	56.451	ug/L	99
19) 1,1-Dichloroethane	3.874	63	183643	51.978	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	114955	54.521	ug/L	97
22) 2-Butanone	4.716	43	215508	91.089	ug/L	96
23) Bromochloromethane	4.980	128	60331	56.654	ug/L	90
25) Chloroform	5.092	83	195826	49.885	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	147592	50.667	ug/L	99
29) Cyclohexane	5.394	56	167209	55.021	ug/L	97
30) 1,1,1-Trichloroethane	5.320	97	173324	54.103	ug/L	98
31) Carbon tetrachloride	5.529	117	149439	54.946	ug/L	99
33) Benzene	5.777	78	423253	53.583	ug/L	100
34) Trichloroethene	6.545	95	115620	55.561	ug/L	99
35) Methylcyclohexane	6.767	83	177393	54.978	ug/L	98
37) 1,2-Dichloropropane	6.793	63	107202	51.808	ug/L	99
38) Bromodichloromethane	7.108	83	147506	53.632	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	176994	56.226	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	321358	105.704	ug/L	98
42) Toluene	7.973	91	469164	55.353	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	173455	56.103	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	110807	53.376	ug/L	98
46) Tetrachloroethene	8.555	164	89666	58.634	ug/L	97
48) 2-Hexanone	8.687	43	272525	100.233	ug/L	97
49) Dibromochloromethane	8.812	129	123386	56.599	ug/L	97
50) 1,2-Dibromoethane	8.928	107	123475	54.861	ug/L	99
51) Chlorobenzene	9.449	112	306929	55.973	ug/L	98
52) Ethylbenzene	9.574	91	522395	57.268	ug/L	98
53) m,p-Xylene	9.697	106	206273	57.984	ug/L	97
54) o-xylene	10.105	106	198922	57.628	ug/L	95
55) Styrene	10.118	104	345444	58.616	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.786	83	182499	51.277	ug/L	99
59) Bromoform	10.295	173	93218	56.594	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	154042	50.048	ug/L	99
61) Isopropylbenzene	10.487	105	526310	57.611	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	453486	59.555	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	455663	59.812	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	249032	57.388	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	251280	56.029	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	241107	55.173	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	45456	55.438	ug/L	94
69) 1,3,5-Trichlorobenzene	13.220	180	187230	59.214	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	172964	61.644	ug/L	99
71) Naphthalene	14.089	128	623293	63.837	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	174141	60.862	ug/L	99

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

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