

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100921\
 Data File : VU045267.D
 Acq On : 09 Oct 2021 16:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050099

Quant Time: Oct 11 01:43:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	279240	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	268086	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	134643	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	139362	45.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.180%
7) Chloroethane-d5	1.900	69	110432	45.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.180%
11) 1,1-Dichloroethene-d2	2.568	63	235116	45.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.600%
21) 2-Butanone-d5	4.626	46	211941	87.699	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.700%
24) Chloroform-d	5.070	84	224123	46.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.840%
26) 1,2-Dichloroethane-d4	5.707	65	150564	46.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.080%
32) Benzene-d6	5.732	84	454618	48.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.740%
36) 1,2-Dichloropropane-d6	6.697	67	144565	47.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.320%
41) Toluene-d8	7.903	98	402650	50.156	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.320%
43) trans-1,3-Dichloroprop...	8.182	79	69594	51.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.160%
47) 2-Hexanone-d5	8.636	63	149834	89.138	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.140%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	222071	47.016	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.040%
66) 1,2-Dichlorobenzene-d4	12.198	152	144964	49.472	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	131948	49.350	ug/L	98
3) Chloromethane	1.523	50	147603	44.289	ug/L	99
5) Vinyl chloride	1.604	62	161436	49.442	ug/L	97
6) Bromomethane	1.835	94	85671	54.705	ug/L	99
8) Chloroethane	1.922	64	101694	49.625	ug/L	99
9) Trichlorofluoromethane	2.134	101	187646	50.211	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	119034	50.464	ug/L	98
12) 1,1-Dichloroethene	2.578	96	111064	51.361	ug/L	94
13) Acetone	2.630	43	234524	83.952	ug/L	99
14) Carbon disulfide	2.793	76	329233	47.525	ug/L	100
15) Methyl Acetate	2.951	43	161630	46.913	ug/L	97
16) Methylene chloride	3.047	84	137786	50.295	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	117431	51.552	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	420124	55.934	ug/L	98
19) 1,1-Dichloroethane	3.874	63	239505	50.540	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	134519	53.591	ug/L	91
22) 2-Butanone	4.707	43	284935	91.133	ug/L	98
23) Bromochloromethane	4.980	128	65665	51.605	ug/L	97
25) Chloroform	5.092	83	240240	50.994	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	198867	50.469	ug/L	99
29) Cyclohexane	5.391	56	214249	53.168	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	193396	52.114	ug/L	98
31) Carbon tetrachloride	5.530	117	150362	51.299	ug/L	99
33) Benzene	5.777	78	532877	53.592	ug/L	100
34) Trichloroethene	6.546	95	127149	53.239	ug/L	100
35) Methylcyclohexane	6.768	83	213004	53.272	ug/L	98
37) 1,2-Dichloropropane	6.797	63	140808	52.012	ug/L	100
38) Bromodichloromethane	7.112	83	179799	54.181	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	215874	55.729	ug/L	99
40) 4-Methyl-2-pentanone	7.797	43	463510	102.493	ug/L	97
42) Toluene	7.973	91	560421	55.472	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	207112	56.230	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	134821	54.952	ug/L	98
46) Tetrachloroethene	8.555	164	88216	51.678	ug/L	97
48) 2-Hexanone	8.687	43	389631	97.157	ug/L	98
49) Dibromochloromethane	8.816	129	128692	53.037	ug/L	99
50) 1,2-Dibromoethane	8.928	107	139278	54.220	ug/L	100
51) Chlorobenzene	9.449	112	337302	54.081	ug/L	99
52) Ethylbenzene	9.575	91	605639	56.747	ug/L	100
53) m,p-Xylene	9.697	106	232045	57.394	ug/L	99
54) o-xylene	10.105	106	232143	58.431	ug/L	99
55) Styrene	10.118	104	397738	58.215	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	244075	51.957	ug/L	100
59) Bromoform	10.295	173	91891	55.029	ug/L	99
60) 1,2,3-Trichloropropane	10.829	75	199469	53.563	ug/L	99
61) Isopropylbenzene	10.488	105	598772	60.766	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	507094	61.621	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	515583	61.183	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	255448	56.096	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	255202	54.622	ug/L	98
67) 1,2-Dichlorobenzene	12.218	146	258528	55.302	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	54389	50.822	ug/L	99
69) 1,3,5-Trichlorobenzene	13.224	180	173700	54.964	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	146112	55.638	ug/L	99
71) Naphthalene	14.089	128	537659	59.081	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	147824	55.016	ug/L	99

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

