

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046206.D
 Acq On : 09 Dec 2021 03:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050130

Quant Time: Dec 09 04:38:25 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	212212	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	210059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	114756	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65307	37.359	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.720%
7) Chloroethane-d5	1.919	69	49232	36.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.360%
11) 1,1-Dichloroethene-d2	2.575	63	129177	41.163	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.320%
21) 2-Butanone-d5	4.636	46	128420	92.412	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.410%
24) Chloroform-d	5.067	84	135755	46.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.703	65	85017	43.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.800%
32) Benzene-d6	5.732	84	270010	44.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.700%
36) 1,2-Dichloropropane-d6	6.694	67	85273	45.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.400%
41) Toluene-d8	7.899	98	249561	45.526	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.060%
43) trans-1,3-Dichloroprop...	8.179	79	42557	47.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.500%
47) 2-Hexanone-d5	8.632	63	94139	106.408	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.410%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	133822	47.292	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.580%
66) 1,2-Dichlorobenzene-d4	12.192	152	105040	47.530	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	97770	42.346	ug/L	100
3) Chloromethane	1.523	50	83611	40.488	ug/L	99
5) Vinyl chloride	1.607	62	90144	43.292	ug/L	99
6) Bromomethane	1.864	94	54242	45.960	ug/L	98
8) Chloroethane	1.938	64	50463	41.857	ug/L	99
9) Trichlorofluoromethane	2.144	101	122988	45.241	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	75893	49.149	ug/L	96
12) 1,1-Dichloroethene	2.584	96	73541	50.119	ug/L	91
13) Acetone	2.655	43	90365	52.031	ug/L	96
14) Carbon disulfide	2.800	76	200008	43.934	ug/L	99
15) Methyl Acetate	2.957	43	95197	47.020	ug/L	96
16) Methylene chloride	3.051	84	85605	49.036	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	79336	51.092	ug/L	95
18) Methyl tert-butyl Ether	3.366	73	260628	54.462	ug/L	99
19) 1,1-Dichloroethane	3.877	63	141774	50.215	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	90574	53.756	ug/L	96
22) 2-Butanone	4.716	43	140817	74.481	ug/L	95
23) Bromochloromethane	4.977	128	45201	53.117	ug/L	91
25) Chloroform	5.092	83	154631	49.293	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	113301	48.673	ug/L	98
29) Cyclohexane	5.395	56	122554	50.104	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	134258	52.069	ug/L	98
31) Carbon tetrachloride	5.530	117	113045	51.642	ug/L	98
33) Benzene	5.777	78	326355	51.332	ug/L	100
34) Trichloroethene	6.546	95	87765	52.401	ug/L	98
35) Methylcyclohexane	6.764	83	125932	48.492	ug/L	98
37) 1,2-Dichloropropane	6.793	63	84009	50.443	ug/L	100
38) Bromodichloromethane	7.108	83	113746	51.384	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	136528	53.886	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	254967	104.198	ug/L	97
42) Toluene	7.970	91	360809	52.889	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	130130	52.294	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	87824	52.562	ug/L	100
46) Tetrachloroethene	8.555	164	65988	53.612	ug/L	95
48) 2-Hexanone	8.684	43	204036	93.237	ug/L	97
49) Dibromochloromethane	8.812	129	94706	53.976	ug/L	97
50) 1,2-Dibromoethane	8.925	107	96345	53.185	ug/L	98
51) Chlorobenzene	9.446	112	235170	53.284	ug/L	98
52) Ethylbenzene	9.571	91	399251	54.380	ug/L	99
53) m,p-Xylene	9.693	106	157334	54.950	ug/L	96
54) o-xylene	10.102	106	153813	55.363	ug/L	96
55) Styrene	10.115	104	264663	55.797	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	148727	51.919	ug/L	99
59) Bromoform	10.291	173	70516	52.381	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	122957	48.879	ug/L	99
61) Isopropylbenzene	10.484	105	409145	54.798	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	346852	55.733	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	348386	55.953	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	193233	54.483	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	196548	53.621	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	192847	53.994	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	34682	51.753	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	138431	53.567	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	131351	57.278	ug/L	99
71) Naphthalene	14.085	128	493900	61.892	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	132149	56.510	ug/L	99

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

