

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120121\
 Data File : VU046033.D
 Acq On : 01 Dec 2021 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: Dec 02 02:41:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 01 00:33:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	195773	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	193937	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	104418	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	73034	45.287	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.580%
7) Chloroethane-d5	1.919	69	57678	46.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.160%
11) 1,1-Dichloroethene-d2	2.575	63	131986	45.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.180%
21) 2-Butanone-d5	4.649	46	120969	94.360	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.360%
24) Chloroform-d	5.070	84	129988	48.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.540%
26) 1,2-Dichloroethane-d4	5.707	65	83770	46.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.700%
32) Benzene-d6	5.732	84	263942	47.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.960%
36) 1,2-Dichloropropane-d6	6.694	67	81359	47.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.460%
41) Toluene-d8	7.903	98	241621	47.741	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.480%
43) trans-1,3-Dichloroprop...	8.182	79	41141	49.472	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
47) 2-Hexanone-d5	8.636	63	82026	100.424	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.420%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	122998	47.080	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.160%
66) 1,2-Dichlorobenzene-d4	12.195	152	95338	47.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	104890	49.245	ug/L	99
3) Chloromethane	1.523	50	92920	48.774	ug/L	98
5) Vinyl chloride	1.607	62	95228	49.574	ug/L	99
6) Bromomethane	1.864	94	55878	51.322	ug/L	97
8) Chloroethane	1.941	64	54808	49.278	ug/L	99
9) Trichlorofluoromethane	2.144	101	126202	50.322	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	72467	50.871	ug/L	99
12) 1,1-Dichloroethene	2.584	96	68454	50.570	ug/L	95
13) Acetone	2.665	43	143687	89.680	ug/L	64
14) Carbon disulfide	2.800	76	206012	49.053	ug/L	99
15) Methyl Acetate	2.964	43	87894	47.058	ug/L	97
16) Methylene chloride	3.051	84	76348	47.405	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	70745	49.385	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	224583	50.870	ug/L	99
19) 1,1-Dichloroethane	3.877	63	129295	49.640	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	77998	50.180	ug/L	99
22) 2-Butanone	4.726	43	164053	94.058	ug/L	97
23) Bromochloromethane	4.980	128	40311	51.348	ug/L	94
25) Chloroform	5.092	83	141608	48.932	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	105644	49.194	ug/L	100
29) Cyclohexane	5.395	56	117798	52.163	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	121221	50.921	ug/L	99
31) Carbon tetrachloride	5.530	117	102937	50.933	ug/L	98
33) Benzene	5.781	78	299048	50.947	ug/L	100
34) Trichloroethene	6.546	95	77875	50.361	ug/L	99
35) Methylcyclohexane	6.768	83	126392	52.715	ug/L	98
37) 1,2-Dichloropropane	6.797	63	77373	50.320	ug/L	99
38) Bromodichloromethane	7.108	83	102754	50.277	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	122986	52.577	ug/L	100
40) 4-Methyl-2-pentanone	7.797	43	231367	102.414	ug/L	99
42) Toluene	7.973	91	327183	51.947	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	119141	51.858	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	77257	50.081	ug/L	99
46) Tetrachloroethene	8.559	164	57742	50.813	ug/L	96
48) 2-Hexanone	8.687	43	203624	100.784	ug/L	99
49) Dibromochloromethane	8.813	129	83266	51.401	ug/L	97
50) 1,2-Dibromoethane	8.925	107	85605	51.185	ug/L	100
51) Chlorobenzene	9.449	112	204855	50.274	ug/L	100
52) Ethylbenzene	9.575	91	353457	52.145	ug/L	97
53) m,p-Xylene	9.697	106	140742	53.241	ug/L	100
54) o-xylene	10.105	106	134045	52.258	ug/L	98
55) Styrene	10.118	104	232774	53.153	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	127374	48.161	ug/L	100
59) Bromoform	10.295	173	61539	50.238	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	110636	48.335	ug/L	99
61) Isopropylbenzene	10.488	105	356734	52.508	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	303573	53.609	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	306687	54.132	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	162684	50.411	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	164792	49.409	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	162157	49.897	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	29881	49.004	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	120578	51.279	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	106532	51.054	ug/L	100
71) Naphthalene	14.086	128	394881	54.383	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	110529	51.944	ug/L	99

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

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