

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046436.D
 Acq On : 16 Dec 2021 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050147

Quant Time: Dec 17 01:56:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	149632	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	150036	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	54113	43.902	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.800%		
7) Chloroethane-d5	1.919	69	40840	43.154	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.300%		
11) 1,1-Dichloroethene-d2	2.575	63	101824	46.017	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.040%		
21) 2-Butanone-d5	4.632	46	79292	80.923	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	80.920%		
24) Chloroform-d	5.067	84	103716	50.388	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.780%		
26) 1,2-Dichloroethane-d4	5.706	65	66470	48.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.240%		
32) Benzene-d6	5.732	84	199498	46.392	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.780%		
36) 1,2-Dichloropropane-d6	6.693	67	61233	45.945	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.900%		
41) Toluene-d8	7.899	98	181870	46.450	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.900%		
43) trans-1,3-Dichloroprop...	8.182	79	30697	47.714	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.420%		
47) 2-Hexanone-d5	8.636	63	63004	99.706	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.710%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90785	44.918	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.840%		
66) 1,2-Dichlorobenzene-d4	12.195	152	69286	43.234	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	79057	48.562	ug/L	99
3) Chloromethane	1.523	50	72356	49.691	ug/L	98
5) Vinyl chloride	1.607	62	74468	50.721	ug/L	99
6) Bromomethane	1.861	94	44254	53.180	ug/L	98
8) Chloroethane	1.938	64	43168	50.781	ug/L	97
9) Trichlorofluoromethane	2.144	101	109510	57.131	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	59579	54.721	ug/L	97
12) 1,1-Dichloroethene	2.584	96	55984	54.111	ug/L	94
13) Acetone	2.645	43	75068	61.300	ug/L	100
14) Carbon disulfide	2.800	76	173824	54.152	ug/L	99
15) Methyl Acetate	2.954	43	66196	46.370	ug/L	99
16) Methylene chloride	3.051	84	65761	53.423	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	61414	56.091	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	191382	56.718	ug/L	99
19) 1,1-Dichloroethane	3.877	63	111527	56.022	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	66977	56.376	ug/L	99
22) 2-Butanone	4.713	43	101382	76.050	ug/L	95
23) Bromochloromethane	4.980	128	35023	58.369	ug/L	93
25) Chloroform	5.092	83	119597	54.070	ug/L	99

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27) 1,2-Dichloroethane	5.796	62	98103	59.770	ug/L	99
29) Cyclohexane	5.394	56	97502	55.809	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	108099	58.695	ug/L	99
31) Carbon tetrachloride	5.530	117	93312	59.681	ug/L	99
33) Benzene	5.777	78	257929	56.800	ug/L	100
34) Trichloroethene	6.546	95	65642	54.871	ug/L	98
35) Methylcyclohexane	6.767	83	109564	59.067	ug/L	99
37) 1,2-Dichloropropane	6.793	63	65741	55.265	ug/L	99
38) Bromodichloromethane	7.108	83	91481	57.859	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	104225	57.594	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	184247	105.420	ug/L	99
42) Toluene	7.970	91	278178	57.090	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	103085	57.998	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	65903	55.222	ug/L	98
46) Tetrachloroethene	8.555	164	50783	57.765	ug/L	97
48) 2-Hexanone	8.687	43	144599	92.511	ug/L	97
49) Dibromochloromethane	8.812	129	71879	57.355	ug/L	96
50) 1,2-Dibromoethane	8.925	107	71412	55.192	ug/L	99
51) Chlorobenzene	9.449	112	174900	55.482	ug/L	99
52) Ethylbenzene	9.571	91	298957	57.009	ug/L	99
53) m,p-Xylene	9.697	106	118162	57.779	ug/L	98
54) o-xylene	10.102	106	112648	56.767	ug/L	99
55) Styrene	10.115	104	197874	58.405	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	109487	53.511	ug/L	99
59) Bromoform	10.291	173	52269	53.543	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	91483	50.151	ug/L	99
61) Isopropylbenzene	10.484	105	300551	55.511	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	261927	58.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	265619	58.829	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	139644	54.297	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	140526	52.869	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	137607	53.131	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	28280	58.195	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	104992	56.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	96015	57.738	ug/L	99
71) Naphthalene	14.085	128	356146	61.545	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	102083	60.199	ug/L	100

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

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