

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046257.D
 Acq On : 10 Dec 2021 11:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050134

Quant Time: Dec 10 22:23:22 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	151666	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	164028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	93818	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	62890	50.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.680%	
7) Chloroethane-d5	1.919	69	48393	50.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 100.900%	
11) 1,1-Dichloroethene-d2	2.575	63	109315	48.740	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 97.480%	
21) 2-Butanone-d5	4.642	46	103433	104.144	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 104.140%	
24) Chloroform-d	5.070	84	112478	53.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.820%	
26) 1,2-Dichloroethane-d4	5.706	65	75692	54.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.120%	
32) Benzene-d6	5.732	84	228477	48.598	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.200%	
36) 1,2-Dichloropropane-d6	6.694	67	71586	49.132	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 98.260%	
41) Toluene-d8	7.902	98	208834	48.787	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.580%	
43) trans-1,3-Dichloroprop...	8.182	79	35717	50.781	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.560%	
47) 2-Hexanone-d5	8.636	63	72742	105.297	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 105.300%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	118182	53.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.960%	
66) 1,2-Dichlorobenzene-d4	12.195	152	84604	46.826	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	75585	45.807	ug/L	99
3) Chloromethane	1.523	50	64246	43.530	ug/L	100
5) Vinyl chloride	1.607	62	69581	46.757	ug/L	100
6) Bromomethane	1.864	94	41842	49.607	ug/L	99
8) Chloroethane	1.941	64	42241	49.024	ug/L	98
9) Trichlorofluoromethane	2.144	101	100251	51.599	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	59382	53.808	ug/L	97
12) 1,1-Dichloroethene	2.588	96	52428	49.994	ug/L	93
13) Acetone	2.658	43	102187	82.326	ug/L	96
14) Carbon disulfide	2.800	76	140158	43.078	ug/L	100
15) Methyl Acetate	2.961	43	72638	50.200	ug/L	96
16) Methylene chloride	3.054	84	65409	52.424	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	57037	51.395	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	191139	55.886	ug/L	100
19) 1,1-Dichloroethane	3.877	63	110543	54.783	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	66196	54.972	ug/L	99
22) 2-Butanone	4.719	43	124290	91.984	ug/L	96
23) Bromochloromethane	4.980	128	35228	57.924	ug/L	91
25) Chloroform	5.092	83	129126	57.595	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	92988	55.894	ug/L	98
29) Cyclohexane	5.395	56	82281	43.079	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	102704	51.009	ug/L	99
31) Carbon tetrachloride	5.530	117	89801	52.536	ug/L	99
33) Benzene	5.780	78	249203	50.197	ug/L	100
34) Trichloroethene	6.546	95	65958	50.432	ug/L	97
35) Methylcyclohexane	6.767	83	89245	44.009	ug/L	99
37) 1,2-Dichloropropane	6.796	63	67864	52.184	ug/L	99
38) Bromodichloromethane	7.108	83	96205	55.656	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	104306	52.722	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	197402	103.312	ug/L	99
42) Toluene	7.973	91	273043	51.256	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	103847	53.443	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	70983	54.405	ug/L	98
46) Tetrachloroethene	8.555	164	48551	50.515	ug/L	96
48) 2-Hexanone	8.687	43	168541	98.630	ug/L	99
49) Dibromochloromethane	8.812	129	82477	60.197	ug/L	95
50) 1,2-Dibromoethane	8.928	107	75743	53.546	ug/L	96
51) Chlorobenzene	9.449	112	179218	52.002	ug/L	98
52) Ethylbenzene	9.574	91	296724	51.757	ug/L	100
53) m,p-Xylene	9.697	106	118204	52.869	ug/L	97
54) o-xylene	10.105	106	115147	53.076	ug/L	96
55) Styrene	10.118	104	208314	56.242	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	121189	54.178	ug/L	100
59) Bromoform	10.295	173	61438	55.823	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	102711	49.943	ug/L	98
61) Isopropylbenzene	10.488	105	299118	49.002	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	249807	49.098	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	256005	50.292	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	145549	50.197	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	149441	49.869	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	147322	50.454	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	29619	54.062	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	102181	48.365	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	90944	48.508	ug/L	99
71) Naphthalene	14.089	128	353481	54.181	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	99252	51.915	ug/L	100

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

