

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045238.D
 Acq On : 08 Oct 2021 09:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Quant Time: Oct 09 05:26:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	293037	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	286969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	143611	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	148801	46.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.780%
7) Chloroethane-d5	1.896	69	116857	45.970	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.940%
11) 1,1-Dichloroethene-d2	2.565	63	242140	44.948	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.900%
21) 2-Butanone-d5	4.626	46	202941	80.022	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.020%
24) Chloroform-d	5.070	84	229447	45.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.580%
26) 1,2-Dichloroethane-d4	5.706	65	153052	44.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.200%
32) Benzene-d6	5.732	84	461762	46.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.740%
36) 1,2-Dichloropropane-d6	6.697	67	145912	44.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.880%
41) Toluene-d8	7.902	98	410283	47.744	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.480%
43) trans-1,3-Dichloroprop...	8.182	79	69134	47.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.740%
47) 2-Hexanone-d5	8.636	63	146053	81.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.170%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	221967	43.902	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	148603	47.547	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	132764	47.317	ug/L	99
3) Chloromethane	1.523	50	141041	40.328	ug/L	100
5) Vinyl chloride	1.604	62	156828	45.770	ug/L	94
6) Bromomethane	1.832	94	58968	35.881	ug/L	99
8) Chloroethane	1.919	64	101503	47.199	ug/L	100
9) Trichlorofluoromethane	2.131	101	188360	48.029	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	116789	47.181	ug/L	99
12) 1,1-Dichloroethene	2.578	96	109970	48.461	ug/L	92
13) Acetone	2.629	43	233535	79.662	ug/L	99
14) Carbon disulfide	2.793	76	320103	44.031	ug/L	99
15) Methyl Acetate	2.951	43	154567	42.751	ug/L	98
16) Methylene chloride	3.047	84	134351	46.732	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	116911	48.907	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	405468	51.441	ug/L	98
19) 1,1-Dichloroethane	3.874	63	233246	46.902	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	130176	49.419	ug/L	93
22) 2-Butanone	4.706	43	269460	82.125	ug/L	98
23) Bromochloromethane	4.980	128	64749	48.489	ug/L	93
25) Chloroform	5.092	83	236227	47.781	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	196899	47.617	ug/L	99
29) Cyclohexane	5.391	56	205811	47.713	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	189350	47.666	ug/L	98
31) Carbon tetrachloride	5.530	117	147359	46.967	ug/L	99
33) Benzene	5.777	78	516740	48.550	ug/L	100
34) Trichloroethene	6.546	95	124754	48.799	ug/L	99
35) Methylcyclohexane	6.767	83	207000	48.364	ug/L	97
37) 1,2-Dichloropropane	6.796	63	137489	47.444	ug/L	99
38) Bromodichloromethane	7.112	83	172499	48.561	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	207911	50.142	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	440166	90.926	ug/L	97
42) Toluene	7.973	91	545623	50.453	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	198972	50.466	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	128818	49.050	ug/L	99
46) Tetrachloroethene	8.558	164	88084	48.205	ug/L	96
48) 2-Hexanone	8.690	43	377857	88.021	ug/L	98
49) Dibromochloromethane	8.816	129	125806	48.436	ug/L	100
50) 1,2-Dibromoethane	8.928	107	134822	49.032	ug/L	99
51) Chlorobenzene	9.452	112	329226	49.312	ug/L	99
52) Ethylbenzene	9.574	91	588999	51.557	ug/L	99
53) m,p-Xylene	9.697	106	226976	52.446	ug/L	99
54) o-xylene	10.105	106	225146	52.941	ug/L	98
55) Styrene	10.118	104	387572	52.994	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	238947	47.518	ug/L	100
59) Bromoform	10.295	173	90084	50.578	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	193587	48.738	ug/L	99
61) Isopropylbenzene	10.488	105	579370	55.125	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	495209	56.419	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	506200	56.318	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	250670	51.609	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	250802	50.328	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	254847	51.111	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.002	75	52775	46.234	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	170457	50.569	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	141627	50.562	ug/L	99
71) Naphthalene	14.089	128	504379	51.963	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	144437	50.399	ug/L	97

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

