

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041223\
 Data File : VU053654.D
 Acq On : 12 Apr 2023 09:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195

Quant Time: Apr 13 01:37:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237539	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	122934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71486	38.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.300%
7) Chloroethane-d5	1.906	69	64279	45.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.140%
11) 1,1-Dichloroethene-d2	2.565	63	124010	43.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.620%
21) 2-Butanone-d5	4.613	46	98458	117.572	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.570%
24) Chloroform-d	5.057	84	145485	47.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
26) 1,2-Dichloroethane-d4	5.697	65	91002	50.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
32) Benzene-d6	5.722	84	278440	45.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.380%
36) 1,2-Dichloropropane-d6	6.684	67	90228	48.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.880%
41) Toluene-d8	7.893	98	265172	43.784	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.560%
43) trans-1,3-Dichloroprop...	8.176	79	42567	44.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
47) 2-Hexanone-d5	8.626	63	72981	114.813	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.810%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	137745	52.472	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	111791	43.565	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	94951	49.249	ug/L	99
3) Chloromethane	1.520	50	90924	57.393	ug/L	98
5) Vinyl chloride	1.604	62	107961	58.802	ug/L	99
6) Bromomethane	1.848	94	68927	51.595	ug/L	100
8) Chloroethane	1.928	64	65646	59.448	ug/L	97
9) Trichlorofluoromethane	2.134	101	152558	54.023	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	84543	51.693	ug/L	92
12) 1,1-Dichloroethene	2.578	96	72918	50.028	ug/L	94
13) Acetone	2.620	43	68822	91.446	ug/L	98
14) Carbon disulfide	2.790	76	194306	50.395	ug/L	97
15) Methyl Acetate	2.941	43	67851	58.860	ug/L	96
16) Methylene chloride	3.041	84	104540	63.811	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	74440	50.818	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	232775	54.518	ug/L	100
19) 1,1-Dichloroethane	3.864	63	138319	57.003	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	86331	51.024	ug/L	88
22) 2-Butanone	4.694	43	96275	105.592	ug/L	98
23) Bromochloromethane	4.970	128	45865	48.665	ug/L	94
25) Chloroform	5.083	83	152185	54.681	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	111555	54.732	ug/L	98
29) Cyclohexane	5.382	56	115798	53.284	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	128786	51.774	ug/L	96
31) Carbon tetrachloride	5.520	117	112164	50.329	ug/L	100
33) Benzene	5.767	78	320270	54.452	ug/L	100
34) Trichloroethene	6.536	95	89802	50.481	ug/L	96
35) Methylcyclohexane	6.758	83	131801	50.404	ug/L	97
37) 1,2-Dichloropropane	6.787	63	83853	56.147	ug/L #	91
38) Bromodichloromethane	7.102	83	107565	53.989	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	123893	50.765	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	186923	115.176	ug/L	98
42) Toluene	7.967	91	349788	52.478	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	121894	52.833	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	88546	54.001	ug/L	97
46) Tetrachloroethene	8.549	164	68131	46.153	ug/L	96
48) 2-Hexanone	8.677	43	144387	109.983	ug/L	99
49) Dibromochloromethane	8.806	129	84309	49.449	ug/L	100
50) 1,2-Dibromoethane	8.918	107	92588	50.471	ug/L	99
51) Chlorobenzene	9.443	112	232891	50.711	ug/L	98
52) Ethylbenzene	9.565	91	389440	52.486	ug/L	98
53) m,p-Xylene	9.690	106	153339	52.841	ug/L	98
54) o-Xylene	10.095	106	148711	51.832	ug/L	97
55) Styrene	10.111	104	250410	53.584	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	136583	56.733	ug/L	98
59) Bromoform	10.285	173	61406	48.801	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	106162	59.558	ug/L	99
61) Isopropylbenzene	10.481	105	393821	54.184	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	326326	54.010	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	326202	54.510	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	186769	49.178	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	192437	49.716	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	187979	49.663	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27704	58.301	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	126284	44.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	111547	42.780	ug/L	98
71) Naphthalene	14.082	128	367354	47.069	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	114704	44.043	ug/L	98

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

