

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055755.D
 Acq On : 11 Oct 2023 18:13
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Quant Time: Oct 12 01:59:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	430349	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	437178	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	253617	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	154867	40.120	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.240%		
7) Chloroethane-d5	1.882	69	131017	41.523	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.040%		
11) 1,1-Dichloroethene-d2	2.560	63	296125	43.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.040%		
21) 2-Butanone-d5	4.615	46	271322	94.860	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.860%		
24) Chloroform-d	5.055	84	334796	45.242	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.480%		
26) 1,2-Dichloroethane-d4	5.695	65	216572	47.547	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.100%		
32) Benzene-d6	5.721	84	641941	45.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.780%		
36) 1,2-Dichloropropane-d6	6.685	67	203842	46.032	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.060%		
41) Toluene-d8	7.894	98	583817	46.223	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.440%		
43) trans-1,3-Dichloroprop...	8.174	79	98451	46.283	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.560%		
47) 2-Hexanone-d5	8.634	63	204166	117.280	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.280%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	366456	53.763	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.520%		
66) 1,2-Dichlorobenzene-d4	12.190	152	250133	49.700	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	157864	44.056	ug/L	100
3) Chloromethane	1.518	50	154810	45.659	ug/L	100
5) Vinyl chloride	1.602	62	166573	44.642	ug/L	97
6) Bromomethane	1.830	94	81419	34.133	ug/L	99
8) Chloroethane	1.904	64	106793	43.633	ug/L	97
9) Trichlorofluoromethane	2.123	101	244467	45.856	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	150684	43.950	ug/L	99
12) 1,1-Dichloroethene	2.570	96	138113	45.269	ug/L	99
13) Acetone	2.618	43	218821	82.441	ug/L	100
14) Carbon disulfide	2.782	76	385105	41.478	ug/L	99
15) Methyl Acetate	2.940	43	183175	45.062	ug/L	95
16) Methylene chloride	3.036	84	173880	46.996	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	142322	45.620	ug/L	96
18) Methyl tert-butyl Ether	3.358	73	498217	49.658	ug/L	99
19) 1,1-Dichloroethane	3.859	63	293364	45.854	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	174126	48.904	ug/L	96
22) 2-Butanone	4.695	43	284653	88.975	ug/L	99
23) Bromochloromethane	4.968	128	88677	48.090	ug/L	95
25) Chloroform	5.081	83	315507	47.208	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	257595	48.190	ug/L	99
29) Cyclohexane	5.380	56	238133	47.522	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	272503	48.246	ug/L	99
31) Carbon tetrachloride	5.518	117	232847	47.098	ug/L	98
33) Benzene	5.769	78	662071	47.909	ug/L	100
34) Trichloroethene	6.538	95	173851	45.977	ug/L	98
35) Methylcyclohexane	6.759	83	252131	45.957	ug/L	99
37) 1,2-Dichloropropane	6.785	63	178424	46.887	ug/L	99
38) Bromodichloromethane	7.100	83	234603	46.749	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	281985	48.707	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	556675	105.152	ug/L	98
42) Toluene	7.965	91	704821	48.335	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	268796	48.525	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	183558	48.919	ug/L	98
46) Tetrachloroethene	8.550	164	136590	50.453	ug/L	97
48) 2-Hexanone	8.682	43	502952	112.475	ug/L	99
49) Dibromochloromethane	8.804	129	185388	48.353	ug/L	100
50) 1,2-Dibromoethane	8.920	107	199555	49.513	ug/L	97
51) Chlorobenzene	9.444	112	455163	48.243	ug/L	99
52) Ethylbenzene	9.566	91	781418	49.015	ug/L	99
53) m,p-Xylene	9.692	106	301609	50.498	ug/L	99
54) o-Xylene	10.097	106	300588	52.008	ug/L	99
55) Styrene	10.113	104	534161	54.556	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	355041	55.259	ug/L	98
59) Bromoform	10.290	173	154095	49.357	ug/L	99
60) 1,2,3-Trichloropropane	10.820	75	288235	52.366	ug/L	98
61) Isopropylbenzene	10.480	105	793668	50.198	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	687881	53.768	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	675920	53.430	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	388206	49.669	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	397364	49.449	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	398181	51.336	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	77388	47.028	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	238314	45.712	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	198449	45.699	ug/L	99
71) Naphthalene	14.084	128	675829	52.391	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	205724	48.050	ug/L	97

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

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