

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101223\
 Data File : VU055763.D
 Acq On : 12 Oct 2023 13:54
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

Quant Time: Oct 12 22:18:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 22:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	430470	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	447326	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	262300	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	142607	36.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.860%
7) Chloroethane-d5	1.888	69	129216	40.941	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.880%
11) 1,1-Dichloroethene-d2	2.560	63	273697	39.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.500%
21) 2-Butanone-d5	4.615	46	239435	83.688	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.690%
24) Chloroform-d	5.055	84	351712	47.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.020%
26) 1,2-Dichloroethane-d4	5.695	65	228706	50.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.400%
32) Benzene-d6	5.721	84	646113	45.144	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
36) 1,2-Dichloropropane-d6	6.685	67	210709	46.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.894	98	582588	45.079	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
43) trans-1,3-Dichloroprop...	8.174	79	101053	46.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.860%
47) 2-Hexanone-d5	8.631	63	156212	87.698	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	360998	51.761	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.520%
66) 1,2-Dichlorobenzene-d4	12.190	152	254244	48.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	144094	40.202	ug/L	100
3) Chloromethane	1.518	50	162985	48.056	ug/L	98
5) Vinyl chloride	1.602	62	162185	43.453	ug/L	97
6) Bromomethane	1.830	94	80465	33.723	ug/L	97
8) Chloroethane	1.914	64	111231	45.433	ug/L	97
9) Trichlorofluoromethane	2.126	101	225051	42.202	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	140194	40.879	ug/L	99
12) 1,1-Dichloroethene	2.573	96	132323	43.359	ug/L	93
13) Acetone	2.618	43	190850	71.883	ug/L	100
14) Carbon disulfide	2.785	76	371318	39.982	ug/L	99
15) Methyl Acetate	2.940	43	178191	43.824	ug/L	96
16) Methylene chloride	3.036	84	182255	49.246	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	145028	46.474	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	541974	54.004	ug/L	98
19) 1,1-Dichloroethane	3.859	63	306990	47.971	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	178411	50.093	ug/L	98
22) 2-Butanone	4.692	43	255269	79.768	ug/L	97
23) Bromochloromethane	4.968	128	96393	52.259	ug/L	97
25) Chloroform	5.081	83	339727	50.818	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	284711	53.248	ug/L	99
29) Cyclohexane	5.380	56	206562	40.287	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	265291	45.904	ug/L	99
31) Carbon tetrachloride	5.518	117	220648	43.618	ug/L	96
33) Benzene	5.769	78	693987	49.079	ug/L	100
34) Trichloroethene	6.538	95	177241	45.810	ug/L	98
35) Methylcyclohexane	6.759	83	224304	39.957	ug/L	99
37) 1,2-Dichloropropane	6.785	63	192343	49.398	ug/L	99
38) Bromodichloromethane	7.100	83	258257	50.295	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	296976	50.133	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	514323	94.948	ug/L	98
42) Toluene	7.965	91	733207	49.141	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	283909	50.091	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	199717	52.018	ug/L	98
46) Tetrachloroethene	8.550	164	123836	44.704	ug/L	98
48) 2-Hexanone	8.682	43	456418	99.753	ug/L	99
49) Dibromochloromethane	8.804	129	202394	51.591	ug/L	100
50) 1,2-Dibromoethane	8.920	107	208182	50.482	ug/L	98
51) Chlorobenzene	9.444	112	476655	49.375	ug/L	99
52) Ethylbenzene	9.566	91	779632	47.794	ug/L	98
53) m,p-Xylene	9.692	106	306264	50.114	ug/L	97
54) o-Xylene	10.097	106	307553	52.006	ug/L	98
55) Styrene	10.110	104	551932	55.093	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	351142	53.412	ug/L	97
59) Bromoform	10.287	173	160326	49.652	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	283746	49.844	ug/L	98
61) Isopropylbenzene	10.480	105	770970	47.148	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	656216	49.595	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	648920	49.598	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	403520	49.919	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	399668	48.089	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	410822	51.213	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	70513	41.432	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	235580	43.691	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	187299	41.704	ug/L	99
71) Naphthalene	14.084	128	548677	41.126	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	192429	43.457	ug/L	97

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

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