

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101723\
 Data File : VU055785.D
 Acq On : 17 Oct 2023 09:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

Quant Time: Oct 18 05:28:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 17 05:06:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	464240	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	455682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	256127	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	175811	42.221	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.440%		
7) Chloroethane-d5	1.907	69	153072	44.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.940%		
11) 1,1-Dichloroethene-d2	2.567	63	332081	44.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.460%		
21) 2-Butanone-d5	4.615	46	194303	62.973	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	62.970%		
24) Chloroform-d	5.058	84	370582	46.422	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.840%		
26) 1,2-Dichloroethane-d4	5.698	65	230410	46.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.780%		
32) Benzene-d6	5.724	84	693382	47.558	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.120%		
36) 1,2-Dichloropropane-d6	6.685	67	217413	47.103	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.200%		
41) Toluene-d8	7.894	98	623526	47.362	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.720%		
43) trans-1,3-Dichloroprop...	8.177	79	96311	43.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.880%		
47) 2-Hexanone-d5	8.627	63	96615	53.245	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	53.250%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	318225	44.791	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.580%		
66) 1,2-Dichlorobenzene-d4	12.190	152	247586	48.712	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	217479	56.262	ug/L	100
3) Chloromethane	1.518	50	204447	55.896	ug/L	100
5) Vinyl chloride	1.602	62	219205	54.458	ug/L	99
6) Bromomethane	1.846	94	144167	56.026	ug/L	97
8) Chloroethane	1.927	64	140675	53.280	ug/L	99
9) Trichlorofluoromethane	2.136	101	326943	56.850	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	191044	51.654	ug/L	99
12) 1,1-Dichloroethene	2.576	96	169114	51.384	ug/L	98
13) Acetone	2.618	43	156889	54.793	ug/L	100
14) Carbon disulfide	2.792	76	485819	48.506	ug/L	98
15) Methyl Acetate	2.939	43	184043	41.970	ug/L	97
16) Methylene chloride	3.039	84	206168	51.655	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	171504	50.961	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	594096	54.891	ug/L	99
19) 1,1-Dichloroethane	3.862	63	360288	52.204	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	204275	53.183	ug/L	97
22) 2-Butanone	4.692	43	238773	69.186	ug/L	98
23) Bromochloromethane	4.968	128	108394	54.491	ug/L	93
25) Chloroform	5.084	83	386233	53.571	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	305752	53.023	ug/L	99
29) Cyclohexane	5.386	56	280010	53.610	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	335975	57.069	ug/L	98
31) Carbon tetrachloride	5.521	117	295695	57.382	ug/L	98
33) Benzene	5.769	78	805727	55.936	ug/L	100
34) Trichloroethene	6.537	95	215220	54.606	ug/L	98
35) Methylcyclohexane	6.759	83	300762	52.595	ug/L	100
37) 1,2-Dichloropropane	6.785	63	217913	54.939	ug/L	100
38) Bromodichloromethane	7.100	83	293821	56.172	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	314755	52.160	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	503552	91.255	ug/L	98
42) Toluene	7.965	91	851701	56.035	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	301847	52.279	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	216133	55.261	ug/L	99
46) Tetrachloroethene	8.550	164	149846	53.102	ug/L	97
48) 2-Hexanone	8.679	43	384013	82.390	ug/L	99
49) Dibromochloromethane	8.804	129	223755	55.990	ug/L	100
50) 1,2-Dibromoethane	8.920	107	228025	54.280	ug/L	96
51) Chlorobenzene	9.444	112	525471	53.434	ug/L	99
52) Ethylbenzene	9.566	91	911170	54.833	ug/L	100
53) m,p-Xylene	9.692	106	346339	55.633	ug/L	93
54) o-Xylene	10.097	106	345952	57.426	ug/L	96
55) Styrene	10.110	104	595625	58.364	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	345444	51.582	ug/L	99
59) Bromoform	10.286	173	166568	52.829	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	279635	50.306	ug/L	98
61) Isopropylbenzene	10.479	105	898287	56.258	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	762639	59.027	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	718588	56.246	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	439226	55.646	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	436825	53.827	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	443464	56.614	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	70903	42.665	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	275055	52.242	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	217842	49.673	ug/L	99
71) Naphthalene	14.084	128	594795	45.658	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	218443	50.521	ug/L	98

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

