

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121123\
 Data File : VW033202.D
 Acq On : 11 Dec 2023 10:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Quant Time: Dec 12 00:40:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	280179	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	281317	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	174756	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75309	44.963	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.920%		
7) Chloroethane-d5	1.529	69	56310	48.251	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.500%		
11) 1,1-Dichloroethene-d2	2.059	65	30399	47.709	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.420%		
21) 2-Butanone-d5	3.780	46	77276	92.892	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.890%		
24) Chloroform-d	4.246	84	179539	50.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.020%		
26) 1,2-Dichloroethane-d4	4.940	65	113203	51.225	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.440%		
32) Benzene-d6	4.960	84	324490	49.319	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.640%		
36) 1,2-Dichloropropane-d6	5.989	67	86552	48.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.860%		
41) Toluene-d8	7.242	98	321602	51.240	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.480%		
43) trans-1,3-Dichloroprop...	7.551	79	53248	47.601	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.200%		
47) 2-Hexanone-d5	8.021	63	69815	98.237	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.240%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	132751	52.789	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.580%		
66) 1,2-Dichlorobenzene-d4	11.561	152	158082	50.841	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.104	85	148295	48.422	ug/L	98
3) Chloromethane	1.214	50	94760	46.914	ug/L	99
5) Vinyl chloride	1.281	62	94342	48.701	ug/L	97
6) Bromomethane	1.484	94	63590	50.306	ug/L	98
8) Chloroethane	1.548	64	50710	49.169	ug/L	99
9) Trichlorofluoromethane	1.712	101	176096	55.090	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	82171	54.742	ug/L	96
12) 1,1-Dichloroethene	2.069	96	77103	54.891	ug/L	96
13) Acetone	2.108	43	79815	100.500	ug/L	96
14) Carbon disulfide	2.239	76	233954	46.423	ug/L	100
15) Methyl Acetate	2.368	43	62358	47.111	ug/L	95
16) Methylene chloride	2.445	84	93654	50.351	ug/L	93
17) trans-1,2-Dichloroethene	2.693	96	90906	49.291	ug/L	95
18) Methyl tert-butyl Ether	2.699	73	285445	50.949	ug/L	99
19) 1,1-Dichloroethane	3.111	63	149132	48.856	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	104233	53.264	ug/L	93
22) 2-Butanone	3.857	43	96809	95.787	ug/L	97
23) Bromochloromethane	4.146	128	58029	51.643	ug/L	94
25) Chloroform	4.275	83	186423	53.103	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	148745	53.619	ug/L	99
29) Cyclohexane	4.583	56	121772	46.865	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	185785	53.437	ug/L	99
31) Carbon tetrachloride	4.735	117	179678	55.582	ug/L	97
33) Benzene	5.008	78	366404	51.398	ug/L	100
34) Trichloroethene	5.831	95	105441	49.509	ug/L	97
35) Methylcyclohexane	6.050	83	158010	51.119	ug/L	97
37) 1,2-Dichloropropane	6.091	63	82552	50.037	ug/L	97
38) Bromodichloromethane	6.432	83	140198	52.710	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	155877	52.068	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	176666	100.852	ug/L	98
42) Toluene	7.313	91	433438	53.956	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	157915	52.165	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	100782	52.684	ug/L	98
46) Tetrachloroethene	7.905	164	98474	53.787	ug/L	95
48) 2-Hexanone	8.072	43	148373	102.160	ug/L	99
49) Dibromochloromethane	8.175	129	125104	54.784	ug/L	100
50) 1,2-Dibromoethane	8.281	107	110376	54.120	ug/L	99
51) Chlorobenzene	8.815	112	296536	52.493	ug/L	99
52) Ethylbenzene	8.947	91	493810	53.405	ug/L	100
53) m,p-Xylene	9.072	106	201281	54.968	ug/L	95
54) o-Xylene	9.477	106	193541	53.563	ug/L	99
55) Styrene	9.496	104	353836	56.607	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	137991	52.798	ug/L	100
59) Bromoform	9.664	173	102875	54.240	ug/L	98
60) Isopropylbenzene	9.866	105	538417	53.434	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	113546	52.107	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	435500	53.644	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	461715	54.610	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	284652	52.878	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	295379	52.822	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	283110	53.645	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.364	75	32024	47.895	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	221578	51.386	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	199833	50.161	ug/L	99
71) Naphthalene	13.438	128	477202	49.118	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	206307	53.669	ug/L	98

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

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