

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033497.D
 Acq On : 20 Dec 2023 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050372

Quant Time: Dec 21 01:41:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	294314	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	298064	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	158759	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	110065	48.562	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.120%		
7) Chloroethane-d5	1.532	69	96139	47.267	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.540%		
11) 1,1-Dichloroethene-d2	2.060	65	49784	44.125	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.260%		
21) 2-Butanone-d5	3.780	46	107396	94.019	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.020%		
24) Chloroform-d	4.246	84	208632	46.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.080%		
26) 1,2-Dichloroethane-d4	4.937	65	130713	47.461	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.920%		
32) Benzene-d6	4.957	84	394662	49.162	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.320%		
36) 1,2-Dichloropropane-d6	5.986	67	120664	49.525	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.040%		
41) Toluene-d8	7.240	98	357104	48.615	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.220%		
43) trans-1,3-Dichloroprop...	7.551	79	56807	47.574	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.140%		
47) 2-Hexanone-d5	8.021	63	73195	89.318	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.320%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155833	44.501	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.000%		
66) 1,2-Dichlorobenzene-d4	11.561	152	133601	44.782	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	109838	45.425	ug/L	98
3) Chloromethane	1.214	50	113196	50.849	ug/L	98
5) Vinyl chloride	1.285	62	117750	49.341	ug/L	99
6) Bromomethane	1.484	94	74498	43.610	ug/L	100
8) Chloroethane	1.548	64	81408	50.530	ug/L	98
9) Trichlorofluoromethane	1.712	101	184934	44.193	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	114099	46.735	ug/L	97
12) 1,1-Dichloroethene	2.069	96	95002	45.806	ug/L	97
13) Acetone	2.108	43	135625	102.286	ug/L	97
14) Carbon disulfide	2.240	76	250927	47.345	ug/L	99
15) Methyl Acetate	2.368	43	100483	53.063	ug/L	93
16) Methylene chloride	2.446	84	111635	48.194	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	96752	49.354	ug/L	91
18) Methyl tert-butyl Ether	2.700	73	306597	51.501	ug/L	97
19) 1,1-Dichloroethane	3.108	63	199373	53.064	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	108607	48.863	ug/L	93
22) 2-Butanone	3.860	43	144973	110.978	ug/L	96
23) Bromochloromethane	4.140	128	56977	46.767	ug/L	90
25) Chloroform	4.272	83	210547	49.795	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	164467	50.462	ug/L	97
29) Cyclohexane	4.580	56	151255	56.303	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	179040	48.651	ug/L	98
31) Carbon tetrachloride	4.732	117	158360	48.084	ug/L	96
33) Benzene	5.008	78	423132	53.261	ug/L	100
34) Trichloroethene	5.831	95	110267	50.591	ug/L	94
35) Methylcyclohexane	6.050	83	163523	52.309	ug/L	95
37) 1,2-Dichloropropane	6.088	63	114811	53.288	ug/L	99
38) Bromodichloromethane	6.429	83	154411	49.795	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	163744	52.241	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	266751	116.018	ug/L	96
42) Toluene	7.313	91	451544	53.625	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	163623	52.022	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	111118	49.482	ug/L	98
46) Tetrachloroethene	7.902	164	79453	46.653	ug/L	96
48) 2-Hexanone	8.072	43	223314	116.450	ug/L	97
49) Dibromochloromethane	8.175	129	112974	47.577	ug/L	99
50) 1,2-Dibromoethane	8.281	107	111784	48.291	ug/L	99
51) Chlorobenzene	8.812	112	291624	48.057	ug/L	96
52) Ethylbenzene	8.944	91	496342	52.928	ug/L	100
53) m,p-Xylene	9.072	106	186027	52.800	ug/L	98
54) o-Xylene	9.477	106	179087	52.348	ug/L	97
55) Styrene	9.493	104	330973	54.818	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	167268	48.499	ug/L	99
59) Bromoform	9.664	173	73457	44.848	ug/L	99
60) Isopropylbenzene	9.866	105	495584	54.971	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	127613	50.151	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	373467	54.659	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	393886	55.506	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	234219	49.987	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	242793	48.145	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	236632	48.520	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	31373	45.515	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	157278	48.536	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	132809	46.886	ug/L	99
71) Naphthalene	13.439	128	317136	41.612	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	134578	48.573	ug/L	98

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

