

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033523.D
 Acq On : 20 Dec 2023 19:36
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050373

Quant Time: Dec 21 01:50:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 21 01:43:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	262725	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	269978	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	145533	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	95696	47.299	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.600%
7) Chloroethane-d5	1.532	69	85746	47.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.460%
11) 1,1-Dichloroethene-d2	2.060	65	43926	43.614	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.220%
21) 2-Butanone-d5	3.783	46	108685	106.587	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.590%
24) Chloroform-d	4.249	84	193279	48.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
26) 1,2-Dichloroethane-d4	4.940	65	120151	48.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.740%
32) Benzene-d6	4.960	84	356382	49.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.020%
36) 1,2-Dichloropropane-d6	5.989	67	111263	50.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.840%
41) Toluene-d8	7.243	98	325305	48.893	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.780%
43) trans-1,3-Dichloroprop...	7.551	79	51543	47.656	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.320%
47) 2-Hexanone-d5	8.024	63	77019	103.761	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.760%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	155144	48.913	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.820%
66) 1,2-Dichlorobenzene-d4	11.561	152	123112	45.017	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	99485	46.090	ug/L	100
3) Chloromethane	1.214	50	107458	54.076	ug/L	100
5) Vinyl chloride	1.285	62	108418	50.893	ug/L	99
6) Bromomethane	1.484	94	69012	45.256	ug/L	100
8) Chloroethane	1.548	64	75787	52.697	ug/L	95
9) Trichlorofluoromethane	1.716	101	171778	45.985	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	101287	46.476	ug/L	98
12) 1,1-Dichloroethene	2.072	96	88854	47.993	ug/L	88
13) Acetone	2.108	43	118590	100.193	ug/L	100
14) Carbon disulfide	2.243	76	227328	48.049	ug/L	100
15) Methyl Acetate	2.371	43	104951	62.086	ug/L	91
16) Methylene chloride	2.449	84	106399	51.457	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	89424	51.101	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	288592	54.306	ug/L	98
19) 1,1-Dichloroethane	3.111	63	188980	56.346	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	100016	50.408	ug/L	94
22) 2-Butanone	3.863	43	135562	116.251	ug/L	92
23) Bromochloromethane	4.150	128	54338	49.964	ug/L	90
25) Chloroform	4.275	83	198031	52.466	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	154753	53.190	ug/L	96
29) Cyclohexane	4.584	56	133737	54.961	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	167556	50.267	ug/L	98
31) Carbon tetrachloride	4.735	117	146293	49.041	ug/L	97
33) Benzene	5.008	78	398074	55.319	ug/L	100
34) Trichloroethene	5.834	95	100615	50.965	ug/L	93
35) Methylcyclohexane	6.053	83	143790	50.781	ug/L	94
37) 1,2-Dichloropropane	6.092	63	110326	56.534	ug/L	99
38) Bromodichloromethane	6.432	83	148686	52.937	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	157176	55.363	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	269642	129.476	ug/L	96
42) Toluene	7.317	91	419174	54.959	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	152811	53.639	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	107384	52.794	ug/L	97
46) Tetrachloroethene	7.905	164	72273	46.852	ug/L	97
48) 2-Hexanone	8.072	43	215463	124.045	ug/L	98
49) Dibromochloromethane	8.175	129	106785	49.649	ug/L	100
50) 1,2-Dibromoethane	8.281	107	109227	52.095	ug/L	97
51) Chlorobenzene	8.815	112	277450	50.477	ug/L	97
52) Ethylbenzene	8.947	91	457586	53.872	ug/L	99
53) m,p-Xylene	9.072	106	171447	53.724	ug/L	100
54) o-Xylene	9.477	106	164156	52.975	ug/L	95
55) Styrene	9.497	104	310219	56.726	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	168816	54.040	ug/L	99
59) Bromoform	9.664	173	71379	47.540	ug/L	99
60) Isopropylbenzene	9.866	105	449836	54.431	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	130749	56.053	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	340835	54.416	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	359680	55.292	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	216896	50.496	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	229167	49.573	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	226691	50.706	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32792	51.897	ug/L	89
69) 1,3,5-Trichlorobenzene	12.583	180	143909	48.446	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	125167	48.204	ug/L	98
71) Naphthalene	13.442	128	314099	44.959	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	129244	50.887	ug/L	98

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

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