

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122123\
 Data File : VW033525.D
 Acq On : 21 Dec 2023 11:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

Quant Time: Dec 22 01:43:25 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	5.532	114	252780	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	264622	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	144413	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	92449	47.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.980%
7) Chloroethane-d5	1.532	69	83177	47.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.220%
11) 1,1-Dichloroethene-d2	2.060	65	42296	43.648	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
21) 2-Butanone-d5	3.783	46	97057	98.928	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.930%
24) Chloroform-d	4.249	84	189111	49.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.220%
26) 1,2-Dichloroethane-d4	4.941	65	119262	50.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
32) Benzene-d6	4.960	84	348354	48.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.760%
36) 1,2-Dichloropropane-d6	5.985	67	107997	49.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.860%
41) Toluene-d8	7.243	98	319598	49.007	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.020%
43) trans-1,3-Dichloroprop...	7.551	79	47976	45.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
47) 2-Hexanone-d5	8.024	63	66522	91.433	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.430%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	147295	47.378	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.760%
66) 1,2-Dichlorobenzene-d4	11.561	152	122727	45.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	100634	48.457	ug/L	98
3) Chloromethane	1.214	50	105681	55.274	ug/L	99
5) Vinyl chloride	1.285	62	109088	53.222	ug/L	98
6) Bromomethane	1.487	94	69316	47.244	ug/L	99
8) Chloroethane	1.548	64	75079	54.259	ug/L	98
9) Trichlorofluoromethane	1.716	101	171197	47.632	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	100830	48.086	ug/L	98
12) 1,1-Dichloroethene	2.072	96	86705	48.675	ug/L	90
13) Acetone	2.111	43	94746	83.197	ug/L	99
14) Carbon disulfide	2.243	76	228980	50.302	ug/L	99
15) Methyl Acetate	2.371	43	95304	58.597	ug/L	92
16) Methylene chloride	2.445	84	105091	52.824	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	88430	52.521	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	276402	54.058	ug/L	99
19) 1,1-Dichloroethane	3.111	63	187925	58.236	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	95303	49.923	ug/L	87
22) 2-Butanone	3.863	43	113051	100.761	ug/L	95
23) Bromochloromethane	4.146	128	52663	50.329	ug/L	86
25) Chloroform	4.275	83	199553	54.950	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	157419	56.235	ug/L	99
29) Cyclohexane	4.584	56	129868	54.452	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	167026	51.122	ug/L	98
31) Carbon tetrachloride	4.735	117	143499	49.078	ug/L	99
33) Benzene	5.008	78	397279	56.326	ug/L	100
34) Trichloroethene	5.831	95	100370	51.870	ug/L	94
35) Methylcyclohexane	6.050	83	141172	50.866	ug/L	94
37) 1,2-Dichloropropane	6.092	63	111585	58.336	ug/L	99
38) Bromodichloromethane	6.429	83	146931	53.371	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	141177	50.734	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	248027	121.508	ug/L	96
42) Toluene	7.313	91	422590	56.528	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	146832	52.583	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	105884	53.110	ug/L	98
46) Tetrachloroethene	7.905	164	74086	48.999	ug/L	96
48) 2-Hexanone	8.075	43	183862	107.994	ug/L	98
49) Dibromochloromethane	8.175	129	106070	50.315	ug/L	98
50) 1,2-Dibromoethane	8.281	107	105295	51.236	ug/L	97
51) Chlorobenzene	8.812	112	274847	51.016	ug/L	95
52) Ethylbenzene	8.947	91	449369	53.975	ug/L	99
53) m,p-Xylene	9.072	106	171757	54.910	ug/L	96
54) o-Xylene	9.477	106	163109	53.703	ug/L	97
55) Styrene	9.493	104	309932	57.820	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	161137	52.626	ug/L	98
59) Bromoform	9.664	173	70401	47.252	ug/L	99
60) Isopropylbenzene	9.866	105	448387	54.677	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	125593	54.260	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	335885	54.042	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	361089	55.939	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	218645	51.298	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	232399	50.662	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	229768	51.793	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	31714	50.580	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	144716	49.096	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	120520	46.774	ug/L	99
71) Naphthalene	13.439	128	293755	42.373	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	127431	50.562	ug/L	99

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

