

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033469.D
 Acq On : 19 Dec 2023 11:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

Quant Time: Dec 20 00:22:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	276617	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	283815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	153890	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	109547	51.426	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.860%			
7) Chloroethane-d5	1.532	69	95988	50.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.420%			
11) 1,1-Dichloroethene-d2	2.060	65	50359	47.490	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.980%			
21) 2-Butanone-d5	3.783	46	103373	96.286	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.290%			
24) Chloroform-d	4.246	84	192658	45.721	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.440%			
26) 1,2-Dichloroethane-d4	4.937	65	122268	47.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.460%			
32) Benzene-d6	4.957	84	368037	48.147	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.300%			
36) 1,2-Dichloropropane-d6	5.986	67	114625	49.408	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.820%			
41) Toluene-d8	7.240	98	336765	48.148	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.300%			
43) trans-1,3-Dichloroprop...	7.551	79	53578	47.123	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.240%			
47) 2-Hexanone-d5	8.024	63	69506	89.074	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 89.070%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	150209	45.048	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.100%			
66) 1,2-Dichlorobenzene-d4	11.561	152	128576	44.462	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	105554	46.446	ug/L	97
3) Chloromethane	1.214	50	107365	51.316	ug/L	98
5) Vinyl chloride	1.285	62	111646	49.776	ug/L	100
6) Bromomethane	1.484	94	73442	45.742	ug/L	99
8) Chloroethane	1.548	64	79412	52.445	ug/L	97
9) Trichlorofluoromethane	1.712	101	178570	45.402	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	108874	47.448	ug/L	97
12) 1,1-Dichloroethene	2.069	96	93917	48.180	ug/L	95
13) Acetone	2.111	43	129821	104.173	ug/L	99
14) Carbon disulfide	2.240	76	240554	48.291	ug/L	100
15) Methyl Acetate	2.372	43	96589	54.270	ug/L	93
16) Methylene chloride	2.446	84	105960	48.671	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	90862	49.315	ug/L	91
18) Methyl tert-butyl Ether	2.700	73	288630	51.585	ug/L	98
19) 1,1-Dichloroethane	3.108	63	187006	52.957	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	100211	47.970	ug/L	91
22) 2-Butanone	3.860	43	134180	109.287	ug/L	94
23) Bromochloromethane	4.143	128	54695	47.766	ug/L	92
25) Chloroform	4.272	83	200346	50.414	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	153356	50.063	ug/L	98
29) Cyclohexane	4.580	56	138206	54.029	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	169033	48.238	ug/L	99
31) Carbon tetrachloride	4.735	117	147164	46.927	ug/L	99
33) Benzene	5.008	78	401006	53.010	ug/L	100
34) Trichloroethene	5.831	95	105250	50.714	ug/L	95
35) Methylcyclohexane	6.050	83	152783	51.327	ug/L	94
37) 1,2-Dichloropropane	6.092	63	109550	53.399	ug/L	99
38) Bromodichloromethane	6.429	83	149799	50.733	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	159420	53.415	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	255095	116.519	ug/L	97
42) Toluene	7.313	91	433119	54.019	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	156832	52.367	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	107325	50.192	ug/L	98
46) Tetrachloroethene	7.905	164	76087	46.920	ug/L	99
48) 2-Hexanone	8.072	43	213054	116.678	ug/L	98
49) Dibromochloromethane	8.175	129	108087	47.804	ug/L	97
50) 1,2-Dibromoethane	8.281	107	108152	49.067	ug/L	99
51) Chlorobenzene	8.812	112	279683	48.403	ug/L	97
52) Ethylbenzene	8.944	91	472604	52.927	ug/L	97
53) m,p-Xylene	9.072	106	176722	52.677	ug/L	95
54) o-Xylene	9.477	106	168732	51.797	ug/L	94
55) Styrene	9.493	104	318191	55.347	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.175	83	162008	49.332	ug/L	99
59) Bromoform	9.664	173	73283	46.158	ug/L	97
60) Isopropylbenzene	9.866	105	464283	53.128	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	125846	51.021	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	355557	53.684	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	372260	54.118	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	227922	50.182	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	233882	47.845	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	232866	49.259	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	31244	46.762	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	156683	49.882	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	133732	48.706	ug/L	98
71) Naphthalene	13.439	128	356084	48.201	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	139290	51.864	ug/L	99

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

