

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033380.D
 Acq On : 15 Dec 2023 15:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

Quant Time: Dec 15 23:21:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	233343	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	237160	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	126960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82624	45.980	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.960%
7) Chloroethane-d5	1.529	69	76416	47.387	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.780%
11) 1,1-Dichloroethene-d2	2.060	65	41222	46.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.160%
21) 2-Butanone-d5	3.780	46	102931	113.655	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.650%
24) Chloroform-d	4.249	84	177894	50.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.100%
26) 1,2-Dichloroethane-d4	4.941	65	115359	52.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.660%
32) Benzene-d6	4.960	84	328658	51.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.900%
36) 1,2-Dichloropropane-d6	5.989	67	101415	52.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.620%
41) Toluene-d8	7.243	98	310906	53.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.380%
43) trans-1,3-Dichloroprop...	7.551	79	52344	55.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.180%
47) 2-Hexanone-d5	8.024	63	77843	119.383	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.380%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	146804	52.688	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.380%
66) 1,2-Dichlorobenzene-d4	11.561	152	124596	52.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.440%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	86254	44.992	ug/L	99
3) Chloromethane	1.214	50	79748	45.185	ug/L	96
5) Vinyl chloride	1.282	62	83426	44.093	ug/L	100
6) Bromomethane	1.484	94	60281	44.508	ug/L	99
8) Chloroethane	1.548	64	59173	46.326	ug/L	99
9) Trichlorofluoromethane	1.712	101	145397	43.823	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	87752	45.335	ug/L	99
12) 1,1-Dichloroethene	2.069	96	75296	45.791	ug/L	96
13) Acetone	2.108	43	107139	101.916	ug/L	100
14) Carbon disulfide	2.240	76	188885	44.951	ug/L	99
15) Methyl Acetate	2.368	43	83638	55.708	ug/L	95
16) Methylene chloride	2.446	84	88032	47.935	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	74719	48.074	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	260621	55.217	ug/L	100
19) 1,1-Dichloroethane	3.111	63	147560	49.536	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	87843	49.848	ug/L	96
22) 2-Butanone	3.863	43	109179	105.415	ug/L	98
23) Bromochloromethane	4.146	128	48976	50.704	ug/L	96
25) Chloroform	4.275	83	162653	48.520	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	130577	50.532	ug/L	97
29) Cyclohexane	4.580	56	102791	48.089	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	137888	47.091	ug/L	99
31) Carbon tetrachloride	4.735	117	121949	46.537	ug/L	99
33) Benzene	5.008	78	319809	50.593	ug/L	100
34) Trichloroethene	5.831	95	84618	48.794	ug/L	97
35) Methylcyclohexane	6.050	83	116995	47.036	ug/L	99
37) 1,2-Dichloropropane	6.092	63	85563	49.912	ug/L	98
38) Bromodichloromethane	6.433	83	123742	50.152	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	128762	51.630	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	216536	118.364	ug/L	99
42) Toluene	7.314	91	344700	51.449	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	134361	53.689	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	92557	51.801	ug/L	98
46) Tetrachloroethene	7.905	164	64654	47.713	ug/L	98
48) 2-Hexanone	8.072	43	168736	110.586	ug/L	100
49) Dibromochloromethane	8.175	129	98542	52.156	ug/L	99
50) 1,2-Dibromoethane	8.281	107	98090	53.257	ug/L	98
51) Chlorobenzene	8.815	112	232370	48.126	ug/L	99
52) Ethylbenzene	8.947	91	374390	50.176	ug/L	99
53) m,p-Xylene	9.072	106	144544	51.561	ug/L	100
54) o-Xylene	9.477	106	144013	52.906	ug/L	100
55) Styrene	9.497	104	257531	53.608	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	143170	52.172	ug/L	99
59) Bromoform	9.664	173	68394	52.216	ug/L	100
60) Isopropylbenzene	9.866	105	381184	52.872	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	108371	53.256	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	293098	53.640	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	313568	55.255	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	189646	50.611	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	199177	49.389	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	193435	49.597	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	30048	54.511	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	131426	50.716	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	116590	51.469	ug/L	100
71) Naphthalene	13.442	128	363140	59.583	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	124703	56.282	ug/L	99

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

