

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092021\
 Data File : VW022245.D
 Acq On : 20 Sep 2021 20:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050341

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Sep 21 04:46:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 21 04:41:26 2021
 Response via : Initial Calibration

9/21/2021 1:51:09 PM

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	319032	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	307146	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	157041	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	109743	49.672	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.340%		
7) Chloroethane-d5	1.564	69	86499	50.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.260%		
11) 1,1-Dichloroethene-d2	2.104	63	194314	53.181	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	106.360%		
21) 2-Butanone-d5	3.902	46	172809	114.050	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.050%		
24) Chloroform-d	4.349	84	202394	50.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.480%		
26) 1,2-Dichloroethane-d4	5.034	65	118210	49.817	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.640%		
32) Benzene-d6	5.050	84	408025	48.978	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.960%		
36) 1,2-Dichloropropane-d6	6.072	67	125843	48.033	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.060%		
41) Toluene-d8	7.317	98	373799	47.532	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.060%		
43) trans-1,3-Dichloroprop...	7.625	79	56255	45.113	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.220%		
47) 2-Hexanone-d5	8.091	63	113841	113.245	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	113.240%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	168347	50.172	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.340%		
66) 1,2-Dichlorobenzene-d4	11.625	152	143565	46.503	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	78406	35.753	ug/L	99
3) Chloromethane	1.240	50	87535	37.696	ug/L	97
5) Vinyl chloride	1.307	62	95896	40.972	ug/L	98
6) Bromomethane	1.519	94	62749	44.592	ug/L	99
8) Chloroethane	1.584	64	65459	44.708	ug/L	99
9) Trichlorofluoromethane	1.751	101	153825	46.152	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	94859	48.523	ug/L	98
12) 1,1-Dichloroethene	2.114	96	88174	47.915	ug/L	97
13) Acetone	2.198	43	124221m	97.847	ug/L	
14) Carbon disulfide	2.291	76	204646	36.855	ug/L	100
15) Methyl Acetate	2.439	43	131220	53.075	ug/L	99
16) Methylene chloride	2.506	84	120160	48.736	ug/L	99
17) trans-1,2-Dichloroethene	2.760	96	98680	44.350	ug/L	97
18) Methyl tert-butyl Ether	2.770	73	347572	49.158	ug/L	99
19) 1,1-Dichloroethane	3.191	63	197247	49.773	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	116513	47.048	ug/L	97
22) 2-Butanone	3.985	43	182401	102.212	ug/L	100
23) Bromochloromethane	4.249	128	64340	48.785	ug/L	99
25) Chloroform	4.378	83	205313	48.942	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	146657	52.153	ug/L	97
29) Cyclohexane	4.677	56	142549	41.518	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	174196	47.719	ug/L	99
31) Carbon tetrachloride	4.828	117	145653	46.441	ug/L	99
33) Benzene	5.101	78	427487	47.838	ug/L	100
34) Trichloroethene	5.915	95	115653	45.690	ug/L	98
35) Methylcyclohexane	6.133	83	153720	41.541	ug/L	99
37) 1,2-Dichloropropane	6.175	63	114037	49.230	ug/L	100
38) Bromodichloromethane	6.513	83	147212	49.695	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	167166	46.742	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	349946	111.434	ug/L	99
42) Toluene	7.390	91	465789	48.295	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	162001	48.670	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	119608	50.747	ug/L	99
46) Tetrachloroethene	7.976	164	86826	44.114	ug/L	98
48) 2-Hexanone	8.143	43	274156	112.516	ug/L	98
49) Dibromochloromethane	8.249	129	124901	49.507	ug/L	100
50) 1,2-Dibromoethane	8.355	107	124779	49.329	ug/L	99
51) Chlorobenzene	8.882	112	303921	46.869	ug/L	99
52) Ethylbenzene	9.014	91	486733	46.619	ug/L	99
53) m,p-Xylene	9.140	106	188819	46.529	ug/L	99
54) o-Xylene	9.545	106	189630	47.228	ug/L	99
55) Styrene	9.561	104	332136	48.470	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.242	83	179701	52.622	ug/L	99
59) Bromoform	9.734	173	86544	51.887	ug/L	100
60) Isopropylbenzene	9.934	105	497507	50.418	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	152325	55.966	ug/L	98
62) 1,3,5-Trimethylbenzene	10.541	105	403756	48.738	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	419249	49.790	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	237369	47.378	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	237613	46.348	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	246241	49.498	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	37102	56.561	ug/L	98
69) 1,3,5-Trichlorobenzene	12.647	180	168713	45.035	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	143049	43.407	ug/L	99
71) Naphthalene	13.503	128	489902	51.678	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	154361	48.022	ug/L	99

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

