

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031095.D
 Acq On : 19 May 2023 09:29
 Operator : SY/MD
 Sample : VSTD00521
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005221

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 19 23:54:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	269565	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	261692	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	136026	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	11722	5.765	ug/L	0.00
7) Chloroethane-d5	1.535	69	9454	5.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5674	5.874	ug/L	0.00
21) 2-Butanone-d5	3.818	46	10973m	9.842	ug/L	0.03
24) Chloroform-d	4.256	84	21440	5.859	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	13396	5.603	ug/L	0.00
32) Benzene-d6	4.969	84	34943	5.508	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	11515	5.878	ug/L	0.00
41) Toluene-d8	7.252	98	30530	5.116	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	4673	4.749	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	7138m	9.214	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16394	5.749	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11898	5.406	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	9047	4.091	ug/L	97
3) Chloromethane	1.217	50	10181	3.589	ug/L	98
5) Vinyl chloride	1.288	62	8498	3.670	ug/L	98
6) Bromomethane	1.490	94	4309	4.488	ug/L	94
8) Chloroethane	1.555	64	5543	3.532	ug/L	97
9) Trichlorofluoromethane	1.719	101	17107	4.442	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	8833	4.343	ug/L	95
12) 1,1-Dichloroethene	2.072	96	7573m	4.201	ug/L	
13) Acetone	2.121	43	20360	12.179	ug/L	97
14) Carbon disulfide	2.246	76	13929	2.890	ug/L #	95
15) Methyl Acetate	2.384	43	8269	3.823	ug/L	94
16) Methylene chloride	2.455	84	8790	4.266	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	6552	3.628	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	23332	3.926	ug/L	95
19) 1,1-Dichloroethane	3.117	63	15551	4.149	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	7870	3.928	ug/L	95
22) 2-Butanone	3.902	43	15219m	8.916	ug/L	
23) Bromochloromethane	4.159	128	4954m	4.444	ug/L	
25) Chloroform	4.288	83	17191	4.397	ug/L	94
27) 1,2-Dichloroethane	5.053	62	13498	4.055	ug/L	97
29) Cyclohexane	4.593	56	9256	3.170	ug/L #	88
30) 1,1,1-Trichloroethane	4.519	97	16247	4.523	ug/L	97
31) Carbon tetrachloride	4.741	117	13522	4.220	ug/L	90
33) Benzene	5.021	78	29034	3.811	ug/L	100
34) Trichloroethene	5.841	95	8415	4.238	ug/L	96
35) Methylcyclohexane	6.056	83	10219	3.363	ug/L	91
37) 1,2-Dichloropropane	6.104	63	7660	3.721	ug/L	97
38) Bromodichloromethane	6.439	83	13375	4.541	ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	11042	3.566	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	22555m	7.727	ug/L	
42) Toluene	7.323	91	28059	3.444	ug/L	93
44) trans-1,3-Dichloropropene	7.590	75	10452	3.408	ug/L	95

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

45) 1,1,2-Trichloroethane	7.776	97	9040	4.310	ug/L	92
46) Tetrachloroethene	7.911	164	7052	4.072	ug/L	92
48) 2-Hexanone	8.088	43	19735m	8.134	ug/L	
49) Dibromochloromethane	8.185	129	10302	4.448	ug/L	97
50) 1,2-Dibromoethane	8.291	107	9305	4.331	ug/L #	97
51) Chlorobenzene	8.821	112	23441	4.283	ug/L	98
52) Ethylbenzene	8.953	91	33372	3.684	ug/L	96
53) m,p-Xylene	9.082	106	13118	3.826	ug/L	94
54) o-Xylene	9.484	106	12802	3.800	ug/L	95
55) Styrene	9.506	104	21584	3.657	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.185	83	14675	4.262	ug/L	97
59) Bromoform	9.673	173	8645	5.180	ug/L	97
60) Isopropylbenzene	9.873	105	34216	4.174	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	10783	4.529	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	27827	4.136	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	25258	3.773	ug/L	91
64) 1,3-Dichlorobenzene	11.127	146	17752	4.294	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	18627	4.279	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	17346	4.144	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	3197	4.546	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.590	180	14224	4.564	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	10347	3.887	ug/L	92
71) Naphthalene	13.451	128	23232	3.230	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	10058	3.812	ug/L	100

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

