

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033073.D
 Acq On : 01 Dec 2023 12:38
 Operator : SY/MD
 Sample : VSTD00511
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005211

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/04/2023
 Supervised By :Mahesh Dadoda 12/04/2023

Quant Time: Dec 04 03:54:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	351653	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	346773	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	191437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	9947	4.732	ug/L	0.00
7) Chloroethane-d5	1.532	69	7142	4.876	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	4117	5.148	ug/L	0.00
21) 2-Butanone-d5	3.812	46	8852m	8.691	ug/L	0.03
24) Chloroform-d	4.256	84	20497	4.594	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	12203	4.400	ug/L	0.00
32) Benzene-d6	4.963	84	36362	4.483	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	9605	4.405	ug/L	0.00
41) Toluene-d8	7.246	98	32036	4.141	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	5715	4.145	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	6421m	7.477	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.153	84	12905	4.163	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	15480	4.545	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	19625	5.106	ug/L	97
3) Chloromethane	1.217	50	13181	5.199	ug/L	95
5) Vinyl chloride	1.285	62	12843	5.282	ug/L	99
6) Bromomethane	1.487	94	7834	4.938	ug/L	93
8) Chloroethane	1.552	64	6923	5.348	ug/L	93
9) Trichlorofluoromethane	1.716	101	20255	5.049	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	9290	4.931	ug/L	95
12) 1,1-Dichloroethene	2.072	96	8587	4.871	ug/L	98
13) Acetone	2.111	43	11322	11.359	ug/L	95
14) Carbon disulfide	2.243	76	32595	5.153	ug/L	99
15) Methyl Acetate	2.378	43	7954	4.788	ug/L	96
16) Methylene chloride	2.449	84	12254	5.249	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	11305	4.884	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	33057	4.701	ug/L	96
19) 1,1-Dichloroethane	3.114	63	19590	5.113	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	10991	4.475	ug/L	95
22) 2-Butanone	3.889	43	12071m	9.883	ug/L	
23) Bromochloromethane	4.153	128	7264	5.178	ug/L #	91
25) Chloroform	4.278	83	21179	4.807	ug/L	97
27) 1,2-Dichloroethane	5.047	62	17514	5.030	ug/L	97
29) Cyclohexane	4.584	56	15741	4.915	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	21195	4.946	ug/L	99
31) Carbon tetrachloride	4.735	117	19100	4.793	ug/L	97
33) Benzene	5.014	78	41233	4.692	ug/L	100
34) Trichloroethene	5.838	95	13638	5.195	ug/L	93
35) Methylcyclohexane	6.050	83	18130	4.758	ug/L	99
37) 1,2-Dichloropropane	6.098	63	9236	4.541	ug/L #	91
38) Bromodichloromethane	6.436	83	15647	4.772	ug/L	94
39) cis-1,3-Dichloropropene	6.960	75	17088	4.631	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	18031	8.350	ug/L	94
42) Toluene	7.317	91	45751	4.620	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	16040	4.298	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	11674	4.951	ug/L	93
46) Tetrachloroethene	7.908	164	11044	4.894	ug/L	92
48) 2-Hexanone	8.082	43	16931m	9.801	ug/L	
49) Dibromochloromethane	8.178	129	13346	4.741	ug/L	97
50) 1,2-Dibromoethane	8.284	107	12057	4.796	ug/L	96
51) Chlorobenzene	8.815	112	34055	4.891	ug/L	98
52) Ethylbenzene	8.947	91	52306	4.589	ug/L	100
53) m,p-Xylene	9.075	106	20635	4.572	ug/L	92
54) o-Xylene	9.480	106	20401	4.580	ug/L	95
55) Styrene	9.500	104	34107	4.426	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.178	83	14773	4.585	ug/L	97
59) Bromoform	9.667	173	10230	4.924	ug/L #	96
60) Isopropylbenzene	9.866	105	52892	4.792	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	12309	5.156	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	40777	4.585	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	40585	4.382	ug/L	95
64) 1,3-Dichlorobenzene	11.120	146	29886	5.068	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	32257	5.266	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	28933	5.005	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	3622	4.945	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	23698	5.017	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	21717	4.976	ug/L	99
71) Naphthalene	13.442	128	51689	4.857	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	20460	4.859	ug/L	97

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

