

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW123121\
 Data File : VW024246.D
 Acq On : 30 Dec 2021 20:41
 Operator : SY/MD
 Sample : VSTD20073
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200273

Quant Time: Dec 31 05:03:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 31 05:01:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	256528	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	247532	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	149641	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	352890	191.144	ug/L	0.00
7) Chloroethane-d5	1.565	69	261400	186.384	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	676706	196.120	ug/L	0.00
21) 2-Butanone-d5	3.880	46	428704	414.706	ug/L	0.00
24) Chloroform-d	4.346	84	663930	196.766	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	437966	193.866	ug/L	0.00
32) Benzene-d6	5.047	84	1259631	195.004	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	350120	193.403	ug/L	0.00
41) Toluene-d8	7.314	98	1253000	200.344	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	215264	206.502	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	368466	468.485	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	518635	200.472	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	569192	190.830	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	405623	195.994	ug/L	99
3) Chloromethane	1.240	50	330903	190.311	ug/L	97
5) Vinyl chloride	1.311	62	366149	199.020	ug/L	98
6) Bromomethane	1.520	94	224872	214.498	ug/L	98
8) Chloroethane	1.581	64	221382	194.952	ug/L	97
9) Trichlorofluoromethane	1.748	101	662895	200.453	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	322188	199.351	ug/L	99
12) 1,1-Dichloroethene	2.114	96	313334	200.527	ug/L	87
13) Acetone	2.175	43	380365	394.174	ug/L	98
14) Carbon disulfide	2.291	76	911448	200.894	ug/L	99
15) Methyl Acetate	2.429	43	305568	206.872	ug/L	99
16) Methylene chloride	2.503	84	330844	194.429	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	325478	202.142	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	1047089	211.002	ug/L	99
19) 1,1-Dichloroethane	3.185	63	538737	201.725	ug/L	100
20) cis-1,2-Dichloroethene	3.908	96	356182	207.127	ug/L	99
22) 2-Butanone	3.960	43	462757	429.259	ug/L	99
23) Bromochloromethane	4.243	128	197108	198.927	ug/L	96
25) Chloroform	4.371	83	611924	195.972	ug/L	98
27) 1,2-Dichloroethane	5.127	62	509839	200.745	ug/L	99
29) Cyclohexane	4.677	56	476590	215.387	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	606715	199.207	ug/L	99
31) Carbon tetrachloride	4.825	117	563501	199.431	ug/L	100
33) Benzene	5.098	78	1284807	204.129	ug/L	100
34) Trichloroethene	5.912	95	349271	201.231	ug/L	99
35) Methylcyclohexane	6.130	83	553943	215.197	ug/L	100
37) 1,2-Dichloropropane	6.172	63	296930	200.572	ug/L	99
38) Bromodichloromethane	6.506	83	473187	203.687	ug/L	100
39) cis-1,3-Dichloropropene	7.024	75	547436	219.979	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	838042	434.115	ug/L	99
42) Toluene	7.387	91	1459467	206.569	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	555334	219.984	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.838	97	327976	197.619	ug/L	98
46) Tetrachloroethene	7.976	164	320809	203.072	ug/L	99
48) 2-Hexanone	8.140	43	677994	437.265	ug/L	99
49) Dibromochloromethane	8.246	129	429478	206.447	ug/L	99
50) 1,2-Dibromoethane	8.349	107	363052	203.666	ug/L	99
51) Chlorobenzene	8.879	112	964120	202.598	ug/L	98
52) Ethylbenzene	9.011	91	1618043	214.368	ug/L	99
53) m,p-Xylene	9.137	106	651342	215.285	ug/L	98
54) o-Xylene	9.545	106	633735	219.430	ug/L	97
55) Styrene	9.561	104	1113420	221.998	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	501179	206.808	ug/L	98
59) Bromoform	9.728	173	338218	198.215	ug/L	100
60) Isopropylbenzene	9.931	105	1695884	204.806	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	414559	188.666	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	1522623	213.769	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	1531059	215.311	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	869731	203.709	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	879090	199.657	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	871857	198.140	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	133759	211.376	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	694250	211.403	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	614312	218.726	ug/L	99
71) Naphthalene	13.500	128	1826253	224.748	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	607389	209.246	ug/L	100

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

