

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102821\
 Data File : VW023079.D
 Acq On : 28 Oct 2021 16:50
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100266

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:33 PM

Quant Time: Oct 29 01:32:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:30:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	308539	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	297537	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	168425	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	204553	104.665	ug/L	0.00
7) Chloroethane-d5	1.564	69	161123	105.638	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	384654	100.708	ug/L	0.00
21) 2-Butanone-d5	3.873	46	341852	292.146	ug/L	0.00
24) Chloroform-d	4.349	84	437272	118.397	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	264159	122.982	ug/L	0.00
32) Benzene-d6	5.050	84	833087	116.188	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	263770	119.383	ug/L	0.00
41) Toluene-d8	7.317	98	777845	118.380	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	131841	125.356	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	264236	282.127	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	382443	123.547	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	320480	112.997	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	272931	88.574	ug/L	99
3) Chloromethane	1.243	50	255623	84.438	ug/L	99
5) Vinyl chloride	1.310	62	261741	90.354	ug/L	99
6) Bromomethane	1.519	94	137399	70.725	ug/L	98
8) Chloroethane	1.580	64	155577	88.344	ug/L	97
9) Trichlorofluoromethane	1.751	101	388302	95.959	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	206765	91.169	ug/L	98
12) 1,1-Dichloroethene	2.117	96	192639	89.879	ug/L	88
13) Acetone	2.162	43	289945m	200.996	ug/L	
14) Carbon disulfide	2.294	76	593222	91.258	ug/L	100
15) Methyl Acetate	2.426	43	254621	102.542	ug/L	99
16) Methylene chloride	2.506	84	246233	90.326	ug/L	99
17) trans-1,2-Dichloroethene	2.760	96	227926	95.329	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	714632	97.724	ug/L	100
19) 1,1-Dichloroethane	3.191	63	416575	97.503	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	253881	99.475	ug/L	97
22) 2-Butanone	3.953	43	384406	211.066	ug/L	98
23) Bromochloromethane	4.249	128	137106	97.922	ug/L	98
25) Chloroform	4.375	83	430571	99.694	ug/L	98
27) 1,2-Dichloroethane	5.130	62	325847	103.361	ug/L	99
29) Cyclohexane	4.680	56	368814	104.921	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	386264	102.141	ug/L	99
31) Carbon tetrachloride	4.831	117	346678	103.863	ug/L	99
33) Benzene	5.101	78	929311	99.661	ug/L	100
34) Trichloroethene	5.915	95	239146	99.157	ug/L	99
35) Methylcyclohexane	6.133	83	393164	106.091	ug/L	98
37) 1,2-Dichloropropane	6.175	63	240143	100.483	ug/L	99
38) Bromodichloromethane	6.510	83	325580	104.742	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	390384	109.036	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	681190	205.281	ug/L	99
42) Toluene	7.387	91	1013196	103.159	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	380190	109.829	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.837	97	241690	98.590	ug/L	99
46) Tetrachloroethene	7.976	164	202041	99.325	ug/L	99
48) 2-Hexanone	8.136	43	546610	210.601	ug/L	100
49) Dibromochloromethane	8.246	129	284157	106.498	ug/L	100
50) 1,2-Dibromoethane	8.352	107	259743	98.881	ug/L	98
51) Chlorobenzene	8.882	112	657071	100.500	ug/L	100
52) Ethylbenzene	9.011	91	1097046	106.973	ug/L	99
53) m,p-Xylene	9.140	106	427693	105.318	ug/L	97
54) o-Xylene	9.545	106	417509	105.860	ug/L	97
55) Styrene	9.561	104	741794	109.138	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.242	83	386846	101.508	ug/L	98
59) Bromoform	9.731	173	211771	101.569	ug/L	99
60) Isopropylbenzene	9.931	105	1106855	101.974	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	303543	94.371	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	951622	104.619	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	968670	106.732	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	539088	98.140	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	550205	96.507	ug/L	100
67) 1,2-Dichlorobenzene	11.644	146	539681	96.642	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	89098	101.433	ug/L	96
69) 1,3,5-Trichlorobenzene	12.648	180	412640	101.267	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	374400	102.605	ug/L	99
71) Naphthalene	13.503	128	1295647	108.431	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	392661	103.656	ug/L	100

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

