

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020222\
 Data File : VW024512.D
 Acq On : 02 Feb 2022 10:03
 Operator : SY/MD
 Sample : VSTD00501
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 03 05:21:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM020222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 03 05:20:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	312069	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	278798	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	127307	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	11270	5.090	ug/L	0.00
7) Chloroethane-d5	1.568	69	9521	5.537	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	21959	5.228	ug/L	0.00
21) 2-Butanone-d5	3.928	46	13326m	10.319	ug/L	0.04
24) Chloroform-d	4.349	84	19865	4.908	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.037	65	12731	4.744	ug/L	0.00
32) Benzene-d6	5.050	84	40650	5.540	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	12678	5.983	ug/L	0.00
41) Toluene-d8	7.317	98	37406	5.363	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.628	79	6416	5.388	ug/L	0.00
47) 2-Hexanone-d5	8.098	63	8746	9.479	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.217	84	13777	4.741	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	12504	4.996	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	10484	4.288	ug/L	98
3) Chloromethane	1.240	50	10833	5.054	ug/L	98
5) Vinyl chloride	1.310	62	11170	4.943	ug/L	99
6) Bromomethane	1.523	94	7240	5.554	ug/L	93
8) Chloroethane	1.584	64	7481	5.308	ug/L	99
9) Trichlorofluoromethane	1.751	101	16165	4.122	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	8981	4.630	ug/L	97
12) 1,1-Dichloroethene	2.117	96	8632	4.618	ug/L	91
13) Acetone	2.178	43	13879	10.746	ug/L	97
14) Carbon disulfide	2.294	76	23194	4.291	ug/L	97
15) Methyl Acetate	2.439	43	8570	4.633	ug/L	96
16) Methylene chloride	2.506	84	9472	4.614	ug/L	96
17) trans-1,2-Dichloroethene	2.760	96	8401	4.357	ug/L	95
18) Methyl tert-butyl Ether	2.764	73	28802	4.732	ug/L	99
19) 1,1-Dichloroethane	3.188	63	16330	4.958	ug/L	99
20) cis-1,2-Dichloroethene	3.918	96	9526	4.583	ug/L	96
22) 2-Butanone	4.002	43	14443m	10.317	ug/L	
23) Bromochloromethane	4.252	128	4598	3.985	ug/L	97
25) Chloroform	4.375	83	17249	4.587	ug/L	98
27) 1,2-Dichloroethane	5.137	62	13549	4.460	ug/L	97
29) Cyclohexane	4.674	56	15078	5.775	ug/L	97
30) 1,1,1-Trichloroethane	4.606	97	15075	4.441	ug/L	99
31) Carbon tetrachloride	4.828	117	12117	3.936	ug/L	96
33) Benzene	5.101	78	36175	5.051	ug/L	100
34) Trichloroethene	5.918	95	10558	5.268	ug/L	98
35) Methylcyclohexane	6.127	83	15119	5.127	ug/L	98
37) 1,2-Dichloropropane	6.175	63	9577	5.480	ug/L #	93
38) Bromodichloromethane	6.509	83	13439	5.049	ug/L	96
39) cis-1,3-Dichloropropene	7.034	75	14008	4.786	ug/L	100
40) 4-Methyl-2-pentanone	7.226	43	24770	10.632	ug/L	98
42) Toluene	7.390	91	38312	4.800	ug/L	98
44) trans-1,3-Dichloropropene	7.657	75	14073	4.826	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.841	97	9281	4.944	ug/L	90
46) Tetrachloroethene	7.972	164	6055	3.615	ug/L	95
48) 2-Hexanone	8.146	43	20572	10.855	ug/L	96
49) Dibromochloromethane	8.246	129	9097	3.991	ug/L	97
50) 1,2-Dibromoethane	8.355	107	9122	4.539	ug/L	94
51) Chlorobenzene	8.882	112	24221	4.559	ug/L	99
52) Ethylbenzene	9.011	91	42183	4.908	ug/L	98
53) m,p-Xylene	9.140	106	15360	4.533	ug/L	88
54) o-Xylene	9.541	106	15561	4.780	ug/L	98
55) Styrene	9.561	104	24891	4.437	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.239	83	11839	4.312	ug/L	99
59) Bromoform	9.731	173	4850	3.443	ug/L	99
60) Isopropylbenzene	9.931	105	40861	5.538	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	11122	5.521	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	34697	5.485	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	34332	5.437	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	16692	4.602	ug/L	95
65) 1,4-Dichlorobenzene	11.271	146	17047	4.574	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	17049	4.586	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	2492	4.412	ug/L	93
69) 1,3,5-Trichlorobenzene	12.644	180	10654	3.938	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	9339	4.006	ug/L	99
71) Naphthalene	13.503	128	33974	4.787	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	9405	3.954	ug/L	99

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

