

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072222\
 Data File : VW026879.D
 Acq On : 22 Jul 2022 10:25
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005231

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/23/2022
 Supervised By :Semsettin Yesilyurt 07/24/2022

Quant Time: Jul 22 23:51:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 22 23:50:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	505009	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	533204	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	268301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	21541	5.160	ug/L	0.00
7) Chloroethane-d5	1.565	69	18250	5.168	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	39729	5.121	ug/L	0.00
21) 2-Butanone-d5	3.905	46	22111m	9.843	ug/L	0.03
24) Chloroform-d	4.346	84	41119	5.093	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.034	65	23002	4.981	ug/L	0.00
32) Benzene-d6	5.050	84	69172	4.243	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	23216	4.504	ug/L	0.00
41) Toluene-d8	7.317	98	54256	3.778	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.629	79	8506	4.107	ug/L	0.00
47) 2-Hexanone-d5	8.095	63	13396	7.084	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	37292	4.965	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	23281	4.432	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	31147	7.964	ug/L	98
3) Chloromethane	1.240	50	28270	6.204	ug/L	99
5) Vinyl chloride	1.307	62	29140	6.014	ug/L	100
6) Bromomethane	1.520	94	18257	6.026	ug/L	99
8) Chloroethane	1.581	64	18445	5.810	ug/L	99
9) Trichlorofluoromethane	1.748	101	42166	6.246	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	24271	6.136	ug/L	95
12) 1,1-Dichloroethene	2.114	96	21823	5.645	ug/L	94
13) Acetone	2.175	43	21932	13.538	ug/L	97
14) Carbon disulfide	2.291	76	62754	5.834	ug/L	99
15) Methyl Acetate	2.433	43	23310	6.854	ug/L	99
16) Methylene chloride	2.500	84	29226	6.368	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	22231	5.559	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	54402	4.834	ug/L	98
19) 1,1-Dichloroethane	3.185	63	41512	5.701	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	20881	4.874	ug/L	99
22) 2-Butanone	3.992	43	21169m	9.653	ug/L	
23) Bromochloromethane	4.246	128	13424	5.497	ug/L	96
25) Chloroform	4.375	83	45569	5.915	ug/L	96
27) 1,2-Dichloroethane	5.133	62	32103	6.124	ug/L	98
29) Cyclohexane	4.670	56	23941	4.252	ug/L	99
30) 1,1,1-Trichloroethane	4.603	97	38518	5.535	ug/L	100
31) Carbon tetrachloride	4.825	117	33377	5.687	ug/L	99
33) Benzene	5.098	78	82817	4.797	ug/L	100
34) Trichloroethene	5.915	95	23012	5.273	ug/L	95
35) Methylcyclohexane	6.127	83	28572	4.328	ug/L	96
37) 1,2-Dichloropropane	6.172	63	21467	4.737	ug/L	99
38) Bromodichloromethane	6.510	83	32228	5.553	ug/L	98
39) cis-1,3-Dichloropropene	7.031	75	27097	4.509	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	42842	9.082	ug/L	94
42) Toluene	7.387	91	77328	4.281	ug/L	100
44) trans-1,3-Dichloropropene	7.654	75	26581	4.706	ug/L	97

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45) 1,1,2-Trichloroethane	7.838	97	25705	5.605	ug/L	99
46) Tetrachloroethene	7.973	164	18300	5.218	ug/L	97
48) 2-Hexanone	8.143	43	32170	8.922	ug/L	90
49) Dibromochloromethane	8.246	129	25470	5.684	ug/L	100
50) 1,2-Dibromoethane	8.352	107	25303	5.429	ug/L	98
51) Chlorobenzene	8.879	112	63264	5.186	ug/L	98
52) Ethylbenzene	9.011	91	79005	4.303	ug/L	98
53) m,p-Xylene	9.140	106	29509	4.091	ug/L	96
54) o-Xylene	9.542	106	28023	4.035	ug/L	96
55) Styrene	9.561	104	46266	3.787	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	40191	5.575	ug/L	95
59) Bromoform	9.731	173	16552	6.688	ug/L #	98
60) Isopropylbenzene	9.931	105	71952	4.435	ug/L	98
61) 1,2,3-Trichloropropane	10.272	75	31197	6.352	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	55981	4.259	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	54388	4.143	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	41338	5.002	ug/L	95
65) 1,4-Dichlorobenzene	11.272	146	46617	5.439	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	43497	5.166	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.426	75	7773	6.824	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	29545	5.202	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	22190	4.656	ug/L	97
71) Naphthalene	13.503	128	56612	4.030	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	22006	4.471	ug/L	98

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

