

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031388.D
 Acq On : 07 Jun 2023 10:28
 Operator : SY/MD
 Sample : VSTD00527
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005227

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2023
 Supervised By : Mahesh Dadoda 06/08/2023

Quant Time: Jun 08 03:58:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	279229	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	279733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	146769	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	11757	4.786	ug/L	0.00
7) Chloroethane-d5	1.532	69	9613	4.833	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5561	4.776	ug/L	0.00
21) 2-Butanone-d5	3.835	46	15560m	8.841	ug/L	0.04
24) Chloroform-d	4.253	84	21999	4.707	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	14410	4.596	ug/L	0.00
32) Benzene-d6	4.966	84	35937	4.351	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	13305	4.635	ug/L	0.00
41) Toluene-d8	7.252	98	31678	4.175	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	6333	4.380	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	7599m	7.049	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16346	4.512	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	13064	4.798	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	6091	5.440	ug/L	97
3) Chloromethane	1.214	50	5350	5.888	ug/L	94
5) Vinyl chloride	1.282	62	5784	5.335	ug/L	95
6) Bromomethane	1.491	94	3792	5.819	ug/L	92
8) Chloroethane	1.552	64	4673	5.350	ug/L	92
9) Trichlorofluoromethane	1.716	101	14077	5.379	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	9171	5.419	ug/L	97
12) 1,1-Dichloroethene	2.069	96	6152	5.523	ug/L	87
13) Acetone	2.134	43	18922	11.913	ug/L	98
14) Carbon disulfide	2.243	76	6545	6.869	ug/L	96
15) Methyl Acetate	2.384	43	11457	4.777	ug/L	94
16) Methylene chloride	2.452	84	9614	5.717	ug/L	84
17) trans-1,2-Dichloroethene	2.700	96	5399	5.112	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	30184	4.650	ug/L	94
19) 1,1-Dichloroethane	3.118	63	18732	5.127	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	8548	4.978	ug/L	97
22) 2-Butanone	3.912	43	19849m	10.252	ug/L	
23) Bromochloromethane	4.166	128	4857	5.379	ug/L #	75
25) Chloroform	4.282	83	21114	5.183	ug/L	94
27) 1,2-Dichloroethane	5.053	62	14088	4.736	ug/L #	94
29) Cyclohexane	4.590	56	6924	4.622	ug/L #	91
30) 1,1,1-Trichloroethane	4.516	97	16731	5.067	ug/L	96
31) Carbon tetrachloride	4.738	117	14615	5.328	ug/L	99
33) Benzene	5.018	78	28968	4.693	ug/L	100
34) Trichloroethene	5.841	95	10080	5.184	ug/L	87
35) Methylcyclohexane	6.053	83	8286m	4.982	ug/L	
37) 1,2-Dichloropropane	6.098	63	10577	4.761	ug/L #	93
38) Bromodichloromethane	6.442	83	16424	5.051	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	15401	4.640	ug/L	94
40) 4-Methyl-2-pentanone	7.169	43	32083	8.890	ug/L	94
42) Toluene	7.323	91	31279	4.527	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	14351	4.263	ug/L	95

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45) 1,1,2-Trichloroethane	7.777	97	11578	5.042	ug/L	99
46) Tetrachloroethene	7.908	164	6395	5.066	ug/L	93
48) 2-Hexanone	8.092	43	24593	8.706	ug/L #	90
49) Dibromochloromethane	8.182	129	12217	4.877	ug/L	96
50) 1,2-Dibromoethane	8.291	107	10833	4.900	ug/L #	93
51) Chlorobenzene	8.818	112	26480	5.041	ug/L	97
52) Ethylbenzene	8.953	91	39003	4.536	ug/L	98
53) m,p-Xylene	9.079	106	14170	4.573	ug/L	90
54) o-Xylene	9.484	106	14176	4.535	ug/L	90
55) Styrene	9.503	104	23824	4.181	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	16289	4.627	ug/L #	86
59) Bromoform	9.670	173	10089	5.365	ug/L	94
60) Isopropylbenzene	9.873	105	39250	4.680	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	16334	5.498	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	30174	4.356	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	30617	4.416	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	22569	5.257	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	25288	5.569	ug/L	96
67) 1,2-Dichlorobenzene	11.590	146	23288	5.292	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	3742	4.752	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	17606	5.327	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	14501	5.143	ug/L	98
71) Naphthalene	13.448	128	43835	5.672	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	15010	5.311	ug/L	97

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

