

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032786.D
 Acq On : 31 Oct 2023 09:11
 Operator : SY/MD
 Sample : VSTD01074
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010274

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/02/2023

Quant Time: Nov 01 05:12:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	335564	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	387300	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	202045	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	30382	13.281	ug/L	0.00
7) Chloroethane-d5	1.532	69	25390	13.011	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	12620	12.986	ug/L	0.00
21) 2-Butanone-d5	3.809	46	25003m	14.373	ug/L	0.02
24) Chloroform-d	4.256	84	47983	10.751	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	30840	11.463	ug/L	0.00
32) Benzene-d6	4.963	84	87144	8.603	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	27501	8.401	ug/L	0.00
41) Toluene-d8	7.246	98	83215	8.799	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	12977	8.136	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	16179m	11.788	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	41277	8.749	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	35338	9.596	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	31788	11.271	ug/L	98
3) Chloromethane	1.217	50	30818	10.227	ug/L	100
5) Vinyl chloride	1.285	62	32203	10.697	ug/L	99
6) Bromomethane	1.487	94	21213	12.169	ug/L	97
8) Chloroethane	1.552	64	21493	11.307	ug/L	96
9) Trichlorofluoromethane	1.716	101	49838	12.407	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	30734	12.666	ug/L	97
12) 1,1-Dichloroethene	2.072	96	26094	11.810	ug/L	86
13) Acetone	2.114	43	51874	28.162	ug/L	100
14) Carbon disulfide	2.243	76	58621	8.691	ug/L	100
15) Methyl Acetate	2.378	43	23321	8.015	ug/L	96
16) Methylene chloride	2.449	84	36772	13.326	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	24383	10.045	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	69567	8.834	ug/L	98
19) 1,1-Dichloroethane	3.117	63	47649	10.182	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	26528	9.842	ug/L	98
22) 2-Butanone	3.883	43	43300m	19.215	ug/L	
23) Bromochloromethane	4.153	128	15411	11.180	ug/L	94
25) Chloroform	4.285	83	53312	11.283	ug/L	99
27) 1,2-Dichloroethane	5.047	62	39699	11.184	ug/L	100
29) Cyclohexane	4.584	56	31214	6.246	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	46963	9.913	ug/L	99
31) Carbon tetrachloride	4.738	117	40007	9.734	ug/L	98
33) Benzene	5.015	78	100310	8.453	ug/L	100
34) Trichloroethene	5.838	95	28017	8.559	ug/L	94
35) Methylcyclohexane	6.053	83	41487m	7.907	ug/L	
37) 1,2-Dichloropropane	6.098	63	25238	7.633	ug/L #	92
38) Bromodichloromethane	6.439	83	42598	10.153	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	35504	7.002	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	56845	12.215	ug/L	99
42) Toluene	7.320	91	113076	8.745	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	39190	8.228	ug/L	96

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45) 1,1,2-Trichloroethane	7.773	97	30774	9.690	ug/L	94
46) Tetrachloroethene	7.908	164	27184	11.017	ug/L	94
48) 2-Hexanone	8.082	43	53403	14.402	ug/L #	96
49) Dibromochloromethane	8.178	129	32113	10.134	ug/L	99
50) 1,2-Dibromoethane	8.284	107	31958	9.540	ug/L #	97
51) Chlorobenzene	8.818	112	83287	9.917	ug/L	99
52) Ethylbenzene	8.950	91	118633	8.260	ug/L	100
53) m,p-Xylene	9.079	106	44137	8.166	ug/L	99
54) o-Xylene	9.481	106	42965	8.135	ug/L	94
55) Styrene	9.500	104	71664	7.849	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	47098	9.647	ug/L	99
59) Bromoform	9.667	173	21994	9.984	ug/L #	97
60) Isopropylbenzene	9.870	105	113297	8.292	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	33959	9.097	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	82625	7.398	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	75112	6.852	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	62667	9.629	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	67164	10.175	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	64748	10.108	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	8689	8.491	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	44309	9.405	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	36041	8.281	ug/L	96
71) Naphthalene	13.442	128	80626	5.801	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	37285	8.526	ug/L	98

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

