

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032785.D
 Acq On : 31 Oct 2023 08:48
 Operator : SY/MD
 Sample : VSTD00573
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005273

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 05:11:32 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	265408	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	306207	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	150695	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	15091	8.341	ug/L	0.00
7) Chloroethane-d5	1.532	69	12692	8.223	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	6130	7.975	ug/L	0.00
21) 2-Butanone-d5	3.818	46	11176m	8.123	ug/L	0.03
24) Chloroform-d	4.259	84	23287	6.597	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	13723	6.449	ug/L	0.00
32) Benzene-d6	4.963	84	39173	4.891	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	12715	4.913	ug/L	0.00
41) Toluene-d8	7.249	98	36474	4.878	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	5795	4.595	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	7181m	6.618	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.156	84	19805	5.310	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	15603	5.681	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	14812	6.640	ug/L	99
3) Chloromethane	1.217	50	14154	5.939	ug/L	98
5) Vinyl chloride	1.285	62	15102	6.342	ug/L	100
6) Bromomethane	1.490	94	10230	7.420	ug/L	96
8) Chloroethane	1.552	64	9885	6.575	ug/L	96
9) Trichlorofluoromethane	1.715	101	23645	7.443	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	15064	7.849	ug/L	96
12) 1,1-Dichloroethene	2.072	96	11764	6.732	ug/L	92
13) Acetone	2.117	43	23545	16.161	ug/L	97
14) Carbon disulfide	2.243	76	26562	4.979	ug/L	100
15) Methyl Acetate	2.384	43	10952	4.759	ug/L	100
16) Methylene chloride	2.449	84	20274	9.290	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	11296	5.883	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	28449	4.567	ug/L #	90
19) 1,1-Dichloroethane	3.114	63	21720	5.868	ug/L	96
20) cis-1,2-Dichloroethene	3.822	96	11544	5.415	ug/L	97
22) 2-Butanone	3.895	43	16418m	9.212	ug/L	
23) Bromochloromethane	4.159	128	6611	6.064	ug/L	91
25) Chloroform	4.285	83	25998m	6.957	ug/L	
27) 1,2-Dichloroethane	5.050	62	16109	5.738	ug/L	98
29) Cyclohexane	4.580	56	13823m	3.498	ug/L	
30) 1,1,1-Trichloroethane	4.516	97	21325	5.694	ug/L	98
31) Carbon tetrachloride	4.738	117	19569	6.022	ug/L	95
33) Benzene	5.014	78	41659	4.440	ug/L	100
34) Trichloroethene	5.841	95	12223	4.723	ug/L	97
35) Methylcyclohexane	6.050	83	18014m	4.342	ug/L	
37) 1,2-Dichloropropane	6.098	63	10443	3.995	ug/L #	92
38) Bromodichloromethane	6.436	83	19897	5.998	ug/L #	93
39) cis-1,3-Dichloropropene	6.960	75	13626	3.399	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	22602	6.143	ug/L	96
42) Toluene	7.323	91	43831	4.287	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	14480	3.845	ug/L	96

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45) 1,1,2-Trichloroethane	7.773	97	14191	5.652	ug/L	97
46) Tetrachloroethene	7.908	164	11986	6.144	ug/L	94
48) 2-Hexanone	8.088	43	22499m	7.674	ug/L	
49) Dibromochloromethane	8.178	129	14563	5.813	ug/L	92
50) 1,2-Dibromoethane	8.288	107	13145	4.963	ug/L	96
51) Chlorobenzene	8.815	112	36237	5.457	ug/L	98
52) Ethylbenzene	8.950	91	47627	4.194	ug/L	96
53) m,p-Xylene	9.075	106	17654	4.131	ug/L	99
54) o-Xylene	9.484	106	16709	4.001	ug/L	98
55) Styrene	9.503	104	26721	3.702	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	20764	5.379	ug/L	99
59) Bromoform	9.670	173	9702	5.905	ug/L #	71
60) Isopropylbenzene	9.870	105	43917	4.309	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	15601	5.604	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	31743	3.811	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	29129	3.563	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	25994	5.355	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	29111	5.913	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	27163	5.686	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	3597	4.713	ug/L	93
69) 1,3,5-Trichlorobenzene	12.586	180	18034	5.132	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	14549	4.482	ug/L	96
71) Naphthalene	13.445	128	28206	2.721	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	13336	4.089	ug/L	97

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

