

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061423\
 Data File : VW031512.D
 Acq On : 14 Jun 2023 13:31
 Operator : SY/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005233

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/15/2023
 Supervised By :Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 00:16:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 15 00:16:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	222922	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	221313	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	123659	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.285	65	7628	4.158	ug/L	0.00
7) Chloroethane-d5	1.539	69	6766	4.662	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	4174	4.810	ug/L	0.00
21) 2-Butanone-d5	3.828	46	10933m	10.383	ug/L	0.03
24) Chloroform-d	4.259	84	19172	5.540	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	11852	5.156	ug/L	0.00
32) Benzene-d6	4.973	84	29492	4.839	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	11154	5.900	ug/L	0.00
41) Toluene-d8	7.252	98	25887	4.574	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	4585	4.865	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	6324m	8.496	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16839	5.929	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11729	5.176	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	12759	7.847	ug/L	97
3) Chloromethane	1.217	50	12632	7.418	ug/L	95
5) Vinyl chloride	1.288	62	12180	7.792	ug/L	98
6) Bromomethane	1.494	94	7996	8.586	ug/L	95
8) Chloroethane	1.555	64	7619	7.542	ug/L	84
9) Trichlorofluoromethane	1.719	101	20441	6.937	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	11069	7.131	ug/L	97
12) 1,1-Dichloroethene	2.079	96	8635	6.484	ug/L	81
13) Acetone	2.127	43	14962	11.508	ug/L	94
14) Carbon disulfide	2.249	76	26197	9.331	ug/L	98
15) Methyl Acetate	2.391	43	10436	6.551	ug/L	96
16) Methylene chloride	2.458	84	12261	8.124	ug/L	99
17) trans-1,2-Dichloroethene	2.706	96	9201	7.261	ug/L	88
18) Methyl tert-butyl Ether	2.712	73	27087	5.756	ug/L	98
19) 1,1-Dichloroethane	3.121	63	20146	7.123	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	8746	5.788	ug/L	97
22) 2-Butanone	3.908	43	15479m	11.933	ug/L	
23) Bromochloromethane	4.162	128	5131	6.218	ug/L	96
25) Chloroform	4.288	83	20910	6.720	ug/L	96
27) 1,2-Dichloroethane	5.056	62	15561	6.055	ug/L	98
29) Cyclohexane	4.593	56	12874	6.488	ug/L #	90
30) 1,1,1-Trichloroethane	4.523	97	18893	6.556	ug/L	98
31) Carbon tetrachloride	4.741	117	16418	6.485	ug/L	96
33) Benzene	5.021	78	35699	6.227	ug/L	100
34) Trichloroethene	5.844	95	9887	6.434	ug/L	84
35) Methylcyclohexane	6.056	83	13709	6.512	ug/L	98
37) 1,2-Dichloropropane	6.104	63	11335	7.068	ug/L	99
38) Bromodichloromethane	6.445	83	15091	6.279	ug/L	90
39) cis-1,3-Dichloropropene	6.963	75	14925	6.046	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	21136	9.049	ug/L	97
42) Toluene	7.326	91	34666	5.612	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	13431	5.453	ug/L	97

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

45) 1,1,2-Trichloroethane	7.776	97	10370	6.139	ug/L	96
46) Tetrachloroethene	7.911	164	8198	6.334	ug/L	95
48) 2-Hexanone	8.088	43	18367m	9.592	ug/L	
49) Dibromochloromethane	8.185	129	11275	5.928	ug/L	99
50) 1,2-Dibromoethane	8.291	107	10767	6.271	ug/L #	97
51) Chlorobenzene	8.821	112	25980	6.044	ug/L	93
52) Ethylbenzene	8.953	91	37880	5.386	ug/L	100
53) m,p-Xylene	9.082	106	13735	5.092	ug/L	85
54) o-Xylene	9.484	106	12569	4.765	ug/L	98
55) Styrene	9.503	104	21773	4.646	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.185	83	16332	5.868	ug/L	97
59) Bromoform	9.673	173	6972	4.706	ug/L #	93
60) Isopropylbenzene	9.873	105	34633	4.969	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	12675	6.308	ug/L #	93
62) 1,3,5-Trimethylbenzene	10.484	105	27623	4.796	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	25654	4.610	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	19474	5.533	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	21840	5.962	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	19918	5.603	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	3824	6.215	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	15164	5.588	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	12616	5.468	ug/L	100
71) Naphthalene	13.448	128	27193	4.510	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.689	180	13142	5.618	ug/L	97

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

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