

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033013.D
 Acq On : 20 Nov 2023 09:55
 Operator : SY/MD
 Sample : VSTD01006
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010206

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

Quant Time: Nov 20 23:12:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	331938	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	332142	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	190833	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	17181	9.900	ug/L	0.00
7) Chloroethane-d5	1.536	69	13415	10.050	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	7193	10.129	ug/L	0.00
21) 2-Butanone-d5	3.802	46	21333m	19.586	ug/L	0.02
24) Chloroform-d	4.256	84	43485	10.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	26391	9.892	ug/L	0.00
32) Benzene-d6	4.963	84	76658	9.911	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	21107	9.623	ug/L	0.00
41) Toluene-d8	7.246	98	73088	9.899	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	12345	9.641	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	16395m	18.282	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	33596	10.063	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	33861	9.950	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	36673	10.226	ug/L	99
3) Chloromethane	1.217	50	27683	10.344	ug/L	96
5) Vinyl chloride	1.285	62	24912	10.035	ug/L	98
6) Bromomethane	1.491	94	15853	9.664	ug/L	97
8) Chloroethane	1.552	64	14345	10.447	ug/L	97
9) Trichlorofluoromethane	1.716	101	40314	10.030	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	20239	10.212	ug/L	96
12) 1,1-Dichloroethene	2.073	96	18042	9.860	ug/L	98
13) Acetone	2.111	43	23028	21.314	ug/L	99
14) Carbon disulfide	2.243	76	61705	10.139	ug/L	100
15) Methyl Acetate	2.375	43	19334	10.208	ug/L	96
16) Methylene chloride	2.449	84	27508	10.611	ug/L	98
17) trans-1,2-Dichloroethene	2.700	96	23379	9.983	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	71635	9.752	ug/L	100
19) 1,1-Dichloroethane	3.118	63	43322	10.356	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	25933	9.877	ug/L	98
22) 2-Butanone	3.880	43	28525m	20.675	ug/L	
23) Bromochloromethane	4.156	128	15151	10.491	ug/L	90
25) Chloroform	4.278	83	48229	10.243	ug/L	99
27) 1,2-Dichloroethane	5.047	62	37261	10.144	ug/L	97
29) Cyclohexane	4.584	56	31736	9.903	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	43855	10.109	ug/L	97
31) Carbon tetrachloride	4.738	117	41897	10.364	ug/L	99
33) Benzene	5.011	78	94440	10.222	ug/L	100
34) Trichloroethene	5.838	95	26505	10.178	ug/L	97
35) Methylcyclohexane	6.053	83	37230	9.837	ug/L	98
37) 1,2-Dichloropropane	6.095	63	23544	10.383	ug/L	99
38) Bromodichloromethane	6.436	83	35585	10.100	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	37468	9.598	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	47632	19.203	ug/L	99
42) Toluene	7.317	91	102761	10.039	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	37833	9.644	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	26437	10.352	ug/L	98
46) Tetrachloroethene	7.905	164	23600	10.400	ug/L	94
48) 2-Hexanone	8.079	43	38054	19.392	ug/L	95
49) Dibromochloromethane	8.178	129	29321	9.962	ug/L	99
50) 1,2-Dibromoethane	8.285	107	26628	9.956	ug/L	100
51) Chlorobenzene	8.815	112	72891	10.034	ug/L	98
52) Ethylbenzene	8.947	91	115755	9.850	ug/L	98
53) m,p-Xylene	9.075	106	44420	9.621	ug/L	96
54) o-Xylene	9.481	106	42246	9.506	ug/L	97
55) Styrene	9.497	104	75774	9.558	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	35756	9.911	ug/L	98
59) Bromoform	9.667	173	22905	10.299	ug/L	99
60) Isopropylbenzene	9.866	105	116577	10.077	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	29333	10.655	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	88218	9.504	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	90766	9.335	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	62414	10.070	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	68390	10.381	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	62202	10.001	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	7946	9.922	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	47813	9.922	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	43256	9.795	ug/L	98
71) Naphthalene	13.442	128	102455	9.380	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	42491	9.924	ug/L	99

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

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