

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091224\
 Data File : VW037269.D
 Acq On : 12 Sep 2024 15:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050391

Quant Time: Sep 13 00:47:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 00:43:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/13/2024
 Supervised By :Mahesh Dadoda 09/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	719305	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	686531	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	350792	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	257000	39.058	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.120%		
7) Chloroethane-d5	1.532	69	211353	41.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.120%		
11) 1,1-Dichloroethene-d2	2.060	65	115282	41.685	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.360%		
21) 2-Butanone-d5	3.793	46	237466m	93.195	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.190%		
24) Chloroform-d	4.243	84	488648	47.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
26) 1,2-Dichloroethane-d4	4.937	65	295156	45.512	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.020%		
32) Benzene-d6	4.953	84	935626	45.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.240%		
36) 1,2-Dichloropropane-d6	5.986	67	292940	45.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.200%		
41) Toluene-d8	7.236	98	853634	45.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.220%		
43) trans-1,3-Dichloroprop...	7.548	79	147244	49.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.000%		
47) 2-Hexanone-d5	8.021	63	181407	102.343	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.340%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	353040	44.820	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.640%		
66) 1,2-Dichlorobenzene-d4	11.554	152	316928	45.110	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	291055	47.883	ug/L	100
3) Chloromethane	1.217	50	293804	42.979	ug/L	98
5) Vinyl chloride	1.282	62	305591	47.619	ug/L	100
6) Bromomethane	1.487	94	183499	51.030	ug/L	100
8) Chloroethane	1.548	64	191013	48.662	ug/L	98
9) Trichlorofluoromethane	1.712	101	421365	50.315	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	248380	49.865	ug/L	99
12) 1,1-Dichloroethene	2.069	96	232684	49.583	ug/L	97
13) Acetone	2.111	43	210848	77.156	ug/L	100
14) Carbon disulfide	2.240	76	647089	45.421	ug/L	99
15) Methyl Acetate	2.372	43	219959	48.010	ug/L	96
16) Methylene chloride	2.442	84	263569	49.779	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	245390	50.370	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	808937	52.786	ug/L	99
19) 1,1-Dichloroethane	3.105	63	500868	51.770	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	286348	53.192	ug/L	99
22) 2-Butanone	3.873	43	267792	89.003	ug/L	98
23) Bromochloromethane	4.140	128	137942	52.200	ug/L	98
25) Chloroform	4.269	83	507131	51.758	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	380391	52.925	ug/L	99
29) Cyclohexane	4.574	56	414431	51.341	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	431259	54.593	ug/L	100
31) Carbon tetrachloride	4.725	117	364544	54.690	ug/L	100
33) Benzene	5.002	78	1060823	53.542	ug/L	100
34) Trichloroethene	5.828	95	275532	52.689	ug/L	99
35) Methylcyclohexane	6.043	83	435683	51.278	ug/L	98
37) 1,2-Dichloropropane	6.088	63	273985	51.582	ug/L	99
38) Bromodichloromethane	6.429	83	372929	54.779	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	466098	55.606	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	553034	102.413	ug/L	99
42) Toluene	7.310	91	1121097	54.347	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	422363	56.373	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	263251	53.241	ug/L	99
46) Tetrachloroethene	7.899	164	199446	53.155	ug/L	96
48) 2-Hexanone	8.072	43	398995	95.538	ug/L	99
49) Dibromochloromethane	8.172	129	269324	54.397	ug/L	98
50) 1,2-Dibromoethane	8.278	107	270646	54.092	ug/L	98
51) Chlorobenzene	8.809	112	719916	52.714	ug/L	99
52) Ethylbenzene	8.940	91	1276576	54.786	ug/L	100
53) m,p-Xylene	9.066	106	478707	55.449	ug/L	97
54) o-Xylene	9.471	106	464751	54.981	ug/L	100
55) Styrene	9.490	104	813078	55.435	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	375204	51.236	ug/L	99
59) Bromoform	9.657	173	173521	53.121	ug/L	98
60) Isopropylbenzene	9.860	105	1264618	55.608	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	282732	51.811	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	1040825	55.940	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	1051455	56.627	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	555212	52.871	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	573205	53.332	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	546033	52.882	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	71665	52.660	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	385209	52.719	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	362130	52.632	ug/L	100
71) Naphthalene	13.432	128	1019805	51.329	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	351412	51.827	ug/L	98

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

