

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082824\
 Data File : VV037120.D
 Acq On : 28 Aug 2024 08:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050376

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2024
 Supervised By :Mahesh Dadoda 08/29/2024

Quant Time: Aug 29 04:39:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 28 05:52:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	623131	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	603751	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	307503	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	242563	42.554	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.100%		
7) Chloroethane-d5	1.529	69	196120	44.518	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.040%		
11) 1,1-Dichloroethene-d2	2.056	65	108359	45.229	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.460%		
21) 2-Butanone-d5	3.789	46	219367m	99.379	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.380%		
24) Chloroform-d	4.239	84	439974	49.318	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.640%		
26) 1,2-Dichloroethane-d4	4.934	65	269569	47.982	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.960%		
32) Benzene-d6	4.950	84	856270	46.956	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.920%		
36) 1,2-Dichloropropane-d6	5.982	67	268196	46.956	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.920%		
41) Toluene-d8	7.236	98	769035	46.728	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.460%		
43) trans-1,3-Dichloroprop...	7.548	79	121607	46.020	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.040%		
47) 2-Hexanone-d5	8.024	63	159541	102.348	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.350%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	336654	48.599	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.200%		
66) 1,2-Dichlorobenzene-d4	11.554	152	287439	46.672	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	271871	51.630	ug/L	100
3) Chloromethane	1.217	50	267308	45.139	ug/L	98
5) Vinyl chloride	1.281	62	287313	51.681	ug/L	99
6) Bromomethane	1.487	94	165539	53.141	ug/L	100
8) Chloroethane	1.548	64	181326	53.324	ug/L	99
9) Trichlorofluoromethane	1.712	101	382622	52.740	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	235659	54.613	ug/L	99
12) 1,1-Dichloroethene	2.066	96	213841	52.601	ug/L	92
13) Acetone	2.111	43	246546	104.143	ug/L	99
14) Carbon disulfide	2.236	76	620291	50.260	ug/L	100
15) Methyl Acetate	2.368	43	213429	53.775	ug/L	100
16) Methylene chloride	2.442	84	240710	52.479	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	225382	53.404	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	716252	53.951	ug/L	99
19) 1,1-Dichloroethane	3.101	63	449227	53.599	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	248029	53.185	ug/L	95
22) 2-Butanone	3.870	43	262343	100.649	ug/L	99
23) Bromochloromethane	4.137	128	119793	52.329	ug/L	96
25) Chloroform	4.268	83	430255	50.689	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	331404	53.226	ug/L	99
29) Cyclohexane	4.567	56	366472	51.625	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	362032	52.114	ug/L	99
31) Carbon tetrachloride	4.725	117	307027	52.377	ug/L	97
33) Benzene	5.001	78	917601	52.664	ug/L	100
34) Trichloroethene	5.825	95	243913	53.037	ug/L	99
35) Methylcyclohexane	6.040	83	391615	52.411	ug/L	100
37) 1,2-Dichloropropane	6.085	63	242641	51.945	ug/L	100
38) Bromodichloromethane	6.426	83	313542	52.371	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	390603	52.988	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	498094	104.886	ug/L	99
42) Toluene	7.307	91	978139	53.918	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	350942	53.263	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	228461	52.540	ug/L	98
46) Tetrachloroethene	7.898	164	176284	53.424	ug/L	97
48) 2-Hexanone	8.072	43	384775	104.766	ug/L	98
49) Dibromochloromethane	8.169	129	226042	51.915	ug/L	100
50) 1,2-Dibromoethane	8.278	107	234062	53.194	ug/L	98
51) Chlorobenzene	8.808	112	626071	52.128	ug/L	99
52) Ethylbenzene	8.940	91	1102973	53.826	ug/L	100
53) m,p-Xylene	9.066	106	407803	53.713	ug/L	98
54) o-Xylene	9.471	106	396031	53.275	ug/L	99
55) Styrene	9.490	104	698542	54.156	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	335519	52.099	ug/L	99
59) Bromoform	9.657	173	147239	51.421	ug/L	99
60) Isopropylbenzene	9.860	105	1086625	54.508	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	252380	52.760	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	890930	54.624	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	893204	54.876	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	481769	52.336	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	492896	52.316	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	478587	52.875	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	61688	51.710	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	337886	52.752	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	322231	53.426	ug/L	98
71) Naphthalene	13.432	128	926223	53.182	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	315134	53.019	ug/L	100

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

