

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102124\
 Data File : VV037899.D
 Acq On : 21 Oct 2024 11:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050314

Quant Time: Oct 22 04:56:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 23:14:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/22/2024
 Supervised By :Mahesh Dadoda 10/22/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	529519	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.777	117	526889	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	302286	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	199149	42.843	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	85.680%	
7) Chloroethane-d5	1.532	69	177405	49.169	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	98.340%	
11) 1,1-Dichloroethene-d2	2.057	65	95007	48.922	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	97.840%	
21) 2-Butanone-d5	3.790	46	169286m	102.248	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	102.250%	
24) Chloroform-d	4.240	84	454458	54.953	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	109.900%	
26) 1,2-Dichloroethane-d4	4.931	65	257539	53.204	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	106.400%	
32) Benzene-d6	4.947	84	861643	52.261	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	104.520%	
36) 1,2-Dichloropropane-d6	5.979	67	270260	51.477	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.960%	
41) Toluene-d8	7.233	98	792155	52.986	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	105.980%	
43) trans-1,3-Dichloroprop...	7.545	79	121192	49.692	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	99.380%	
47) 2-Hexanone-d5	8.021	63	112619	101.587	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	101.590%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	316243	51.841	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	103.680%	
66) 1,2-Dichlorobenzene-d4	11.551	152	310240	48.705	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	97.420%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	207662	46.067	ug/L	99
3) Chloromethane	1.221	50	202917	46.366	ug/L	99
5) Vinyl chloride	1.285	62	221799	47.274	ug/L	99
6) Bromomethane	1.487	94	133452	51.254	ug/L	99
8) Chloroethane	1.549	64	141375	48.888	ug/L	98
9) Trichlorofluoromethane	1.712	101	334820	53.016	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	211323	55.996	ug/L	99
12) 1,1-Dichloroethene	2.069	96	181270	51.420	ug/L	81
13) Acetone	2.111	43	149170	91.908	ug/L	98
14) Carbon disulfide	2.237	76	447941	40.707	ug/L	100
15) Methyl Acetate	2.372	43	155991	55.073	ug/L	99
16) Methylene chloride	2.442	84	210262	52.677	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	189804	50.894	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	615381	57.514	ug/L	99
19) 1,1-Dichloroethane	3.101	63	387837	54.278	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	227865	54.599	ug/L	100
22) 2-Butanone	3.873	43	176415	98.202	ug/L	97
23) Bromochloromethane	4.134	128	118413	54.851	ug/L	98
25) Chloroform	4.265	83	418581	56.580	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	294970	56.478	ug/L	98
29) Cyclohexane	4.568	56	276044	46.143	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	351593	54.180	ug/L	100
31) Carbon tetrachloride	4.722	117	302992	53.704	ug/L	99
33) Benzene	4.999	78	832676	52.401	ug/L	100
34) Trichloroethene	5.822	95	221094	52.246	ug/L	98
35) Methylcyclohexane	6.040	83	313770	48.198	ug/L	98
37) 1,2-Dichloropropane	6.082	63	223962	54.580	ug/L	97
38) Bromodichloromethane	6.423	83	312513	56.973	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	344170	52.544	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	367711	110.061	ug/L	99
42) Toluene	7.307	91	898969	54.571	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	327307	55.503	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	221817	56.298	ug/L	99
46) Tetrachloroethene	7.896	164	171388	52.971	ug/L	97
48) 2-Hexanone	8.069	43	273847	105.412	ug/L	99
49) Dibromochloromethane	8.166	129	240025	57.559	ug/L	98
50) 1,2-Dibromoethane	8.275	107	220466	54.131	ug/L	97
51) Chlorobenzene	8.805	112	604035	53.820	ug/L	99
52) Ethylbenzene	8.937	91	1008544	54.388	ug/L	99
53) m,p-Xylene	9.063	106	387711	56.180	ug/L	100
54) o-Xylene	9.471	106	371963	55.207	ug/L	95
55) Styrene	9.487	104	684747	58.380	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	305192	55.557	ug/L	99
59) Bromoform	9.658	173	161547	54.679	ug/L	98
60) Isopropylbenzene	9.857	105	1021785	51.992	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	221107	51.404	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	820697	52.820	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	820106	53.049	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	504381	53.320	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	523610	53.158	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	497119	53.160	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.355	75	51920	49.725	ug/L	99
69) 1,3,5-Trichlorobenzene	12.574	180	348405	53.558	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	308593	51.130	ug/L	99
71) Naphthalene	13.432	128	792068	50.230	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	312199	52.381	ug/L	100

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

