

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091624\
 Data File : VV037302.D
 Acq On : 16 Sep 2024 14:47
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Sep 17 05:07:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 17 05:05:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	640183	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	624617	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	328724	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	249347	42.579	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.160%		
7) Chloroethane-d5	1.532	69	202998	44.852	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.700%		
11) 1,1-Dichloroethene-d2	2.056	65	107437	43.650	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.300%		
21) 2-Butanone-d5	3.786	46	199367m	87.913	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.910%		
24) Chloroform-d	4.240	84	462666	50.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.960%		
26) 1,2-Dichloroethane-d4	4.931	65	274341	47.531	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.060%		
32) Benzene-d6	4.950	84	888918	47.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.240%		
36) 1,2-Dichloropropane-d6	5.979	67	287209	48.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.220%		
41) Toluene-d8	7.233	98	800546	47.017	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.040%		
43) trans-1,3-Dichloroprop...	7.545	79	127016	46.462	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.920%		
47) 2-Hexanone-d5	8.021	63	131215	81.364	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.360%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	326675	45.583	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.160%		
66) 1,2-Dichlorobenzene-d4	11.551	152	305758	46.442	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	277890	51.368	ug/L	99
3) Chloromethane	1.217	50	282746	46.474	ug/L	99
5) Vinyl chloride	1.285	62	296698	51.948	ug/L	98
6) Bromomethane	1.487	94	173610	54.247	ug/L	98
8) Chloroethane	1.548	64	187439	53.653	ug/L	99
9) Trichlorofluoromethane	1.712	101	404686	54.295	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	251518	56.736	ug/L	99
12) 1,1-Dichloroethene	2.069	96	224602	53.776	ug/L	91
13) Acetone	2.111	43	180821	74.346	ug/L	99
14) Carbon disulfide	2.236	76	616485	48.621	ug/L	99
15) Methyl Acetate	2.368	43	192867	47.300	ug/L	98
16) Methylene chloride	2.442	84	250011	53.055	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	231646	53.426	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	702669	51.518	ug/L	100
19) 1,1-Dichloroethane	3.101	63	466420	54.168	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	262986	54.890	ug/L	98
22) 2-Butanone	3.870	43	222781	83.194	ug/L	100
23) Bromochloromethane	4.133	128	133110	56.597	ug/L	97
25) Chloroform	4.265	83	472459	54.179	ug/L	98

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27) 1,2-Dichloroethane	5.031	62	346766	54.209	ug/L	100
29) Cyclohexane	4.571	56	373682	50.882	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	394424	54.880	ug/L	99
31) Carbon tetrachloride	4.722	117	342633	56.498	ug/L	99
33) Benzene	4.998	78	992405	55.054	ug/L	100
34) Trichloroethene	5.822	95	262720	55.219	ug/L	99
35) Methylcyclohexane	6.040	83	412727	53.391	ug/L	98
37) 1,2-Dichloropropane	6.085	63	261280	54.066	ug/L	100
38) Bromodichloromethane	6.423	83	342710	55.330	ug/L	100
39) cis-1,3-Dichloropropene	6.944	75	417516	54.747	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	453878	92.382	ug/L	99
42) Toluene	7.307	91	1038928	55.355	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	368611	54.075	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	243017	54.020	ug/L	98
46) Tetrachloroethene	7.895	164	190462	55.792	ug/L	99
48) 2-Hexanone	8.069	43	327790	86.268	ug/L	99
49) Dibromochloromethane	8.169	129	251890	55.919	ug/L	100
50) 1,2-Dibromoethane	8.275	107	245199	53.864	ug/L	100
51) Chlorobenzene	8.805	112	674998	54.325	ug/L	98
52) Ethylbenzene	8.937	91	1163408	54.879	ug/L	99
53) m,p-Xylene	9.066	106	438444	55.820	ug/L	99
54) o-Xylene	9.471	106	424652	55.217	ug/L	97
55) Styrene	9.487	104	754486	56.539	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	338885	50.863	ug/L	99
59) Bromoform	9.657	173	161218	52.668	ug/L	100
60) Isopropylbenzene	9.860	105	1160416	54.452	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	248927	48.679	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	945812	54.246	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	942422	54.162	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	529920	53.851	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	549639	54.572	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	520720	53.816	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	57478	45.071	ug/L	95
69) 1,3,5-Trichlorobenzene	12.574	180	367368	53.652	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	333147	51.670	ug/L	99
71) Naphthalene	13.432	128	827715	44.458	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	326164	51.333	ug/L	99

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

