

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101724\
 Data File : VV037888.D
 Acq On : 17 Oct 2024 14:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050311

Quant Time: Oct 18 06:16:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 06:13:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2024
 Supervised By :Mahesh Dadoda 10/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	496049	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	495002	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	283176	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	217822	50.022	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.040%			
7) Chloroethane-d5	1.532	69	185897	54.999	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.000%			
11) 1,1-Dichloroethene-d2	2.056	65	98645	54.222	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 108.440%			
21) 2-Butanone-d5	3.789	46	151081m	97.409	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.410%			
24) Chloroform-d	4.236	84	449463	58.016	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 116.040%			
26) 1,2-Dichloroethane-d4	4.931	65	259822	57.297	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.600%			
32) Benzene-d6	4.947	84	875872	56.546	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.100%			
36) 1,2-Dichloropropane-d6	5.979	67	271323	55.009	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.020%			
41) Toluene-d8	7.233	98	809328	57.622	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 115.240%			
43) trans-1,3-Dichloroprop...	7.545	79	121501	53.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.060%			
47) 2-Hexanone-d5	8.021	63	100445	96.442	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.440%			
56) 1,1,2,2-Tetrachloroeth...	10.143	84	303258	52.915	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.840%			
66) 1,2-Dichlorobenzene-d4	11.551	152	305840	51.254	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	229881	54.437	ug/L	100
3) Chloromethane	1.217	50	222411	54.250	ug/L	98
5) Vinyl chloride	1.285	62	244722	55.679	ug/L	99
6) Bromomethane	1.487	94	140144	57.456	ug/L	98
8) Chloroethane	1.548	64	156884	57.911	ug/L	99
9) Trichlorofluoromethane	1.712	101	362340	61.244	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	221396	62.623	ug/L	99
12) 1,1-Dichloroethene	2.066	96	195972	59.341	ug/L	95
13) Acetone	2.111	43	124852	82.115	ug/L	99
14) Carbon disulfide	2.237	76	510328	49.506	ug/L	100
15) Methyl Acetate	2.368	43	155415	58.572	ug/L	98
16) Methylene chloride	2.442	84	223531	59.779	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	202535	57.972	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	618194	61.675	ug/L	100
19) 1,1-Dichloroethane	3.101	63	414432	61.913	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	238548	61.016	ug/L	100
22) 2-Butanone	3.870	43	162768	96.719	ug/L	99
23) Bromochloromethane	4.134	128	126643	62.621	ug/L	98
25) Chloroform	4.265	83	443894	64.050	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	306502	62.646	ug/L	99
29) Cyclohexane	4.568	56	302490	53.821	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	368256	60.404	ug/L	100
31) Carbon tetrachloride	4.722	117	320722	60.508	ug/L	100
33) Benzene	4.998	78	902869	60.479	ug/L	100
34) Trichloroethene	5.822	95	229791	57.799	ug/L	98
35) Methylcyclohexane	6.040	83	346314	56.623	ug/L	99
37) 1,2-Dichloropropane	6.082	63	244241	63.357	ug/L	100
38) Bromodichloromethane	6.423	83	323084	62.694	ug/L	98
39) cis-1,3-Dichloropropene	6.944	75	354974	57.685	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	359620	114.573	ug/L	99
42) Toluene	7.304	91	959071	61.970	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	330779	59.705	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	229876	62.102	ug/L	99
46) Tetrachloroethene	7.895	164	177830	58.503	ug/L	98
48) 2-Hexanone	8.069	43	253357	103.807	ug/L	97
49) Dibromochloromethane	8.166	129	244512	62.412	ug/L	99
50) 1,2-Dibromoethane	8.275	107	227898	59.560	ug/L	99
51) Chlorobenzene	8.805	112	638566	60.562	ug/L	100
52) Ethylbenzene	8.937	91	1058330	60.750	ug/L	100
53) m,p-Xylene	9.063	106	408683	63.033	ug/L	100
54) o-Xylene	9.471	106	388881	61.436	ug/L	97
55) Styrene	9.487	104	712750	64.682	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	305010	59.101	ug/L	99
59) Bromoform	9.654	173	159685	57.696	ug/L	98
60) Isopropylbenzene	9.857	105	1058358	57.487	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	221873	55.063	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	848772	58.313	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	850017	58.694	ug/L	99
64) 1,3-Dichlorobenzene	11.108	146	519789	58.657	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	542546	58.797	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	507084	57.885	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	48987	50.082	ug/L	99
69) 1,3,5-Trichlorobenzene	12.574	180	345119	56.634	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	304676	53.888	ug/L	99
71) Naphthalene	13.429	128	708270	47.947	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	305715	54.755	ug/L	100

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

