

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101524\
 Data File : VV037861.D
 Acq On : 15 Oct 2024 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

Quant Time: Oct 16 03:23:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 02:19:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
 Supervised By :Semsettin Yesilyurt 10/16/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	600206	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	602898	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	333699	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	240264	45.601	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.200%		
7) Chloroethane-d5	1.532	69	202508	49.516	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.040%		
11) 1,1-Dichloroethene-d2	2.060	65	106529	48.394	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.780%		
21) 2-Butanone-d5	3.790	46	144352m	76.919	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	76.920%		
24) Chloroform-d	4.240	84	468498	49.979	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.960%		
26) 1,2-Dichloroethane-d4	4.931	65	266747	48.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.240%		
32) Benzene-d6	4.947	84	915158	48.509	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.020%		
36) 1,2-Dichloropropane-d6	5.979	67	284976	47.437	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.880%		
41) Toluene-d8	7.233	98	854583	49.955	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.920%		
43) trans-1,3-Dichloroprop...	7.545	79	126605	45.367	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.740%		
47) 2-Hexanone-d5	8.021	63	94816	74.745	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.740%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	294001	42.119	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.240%		
66) 1,2-Dichlorobenzene-d4	11.551	152	313568	44.593	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	244372	47.826	ug/L	99
3) Chloromethane	1.221	50	242417	48.868	ug/L	100
5) Vinyl chloride	1.285	62	258479	48.603	ug/L	99
6) Bromomethane	1.491	94	154620	52.390	ug/L	99
8) Chloroethane	1.552	64	168370	51.366	ug/L	98
9) Trichlorofluoromethane	1.716	101	379177	52.968	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	234875	54.907	ug/L	100
12) 1,1-Dichloroethene	2.069	96	208345	52.140	ug/L	89
13) Acetone	2.111	43	153033	83.184	ug/L	99
14) Carbon disulfide	2.240	76	564468	45.256	ug/L	100
15) Methyl Acetate	2.372	43	157002	48.902	ug/L	100
16) Methylene chloride	2.442	84	238143	52.635	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	220327	52.121	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	630126	51.956	ug/L	100
19) 1,1-Dichloroethane	3.105	63	435430	53.762	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	244889	51.768	ug/L	99
22) 2-Butanone	3.870	43	168693	82.845	ug/L	96
23) Bromochloromethane	4.137	128	130576	53.362	ug/L	98
25) Chloroform	4.265	83	457260	54.529	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	314251	53.084	ug/L	100
29) Cyclohexane	4.571	56	316830	46.284	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	386459	52.045	ug/L	99
31) Carbon tetrachloride	4.722	117	337380	52.260	ug/L	99
33) Benzene	4.998	78	941017	51.753	ug/L	100
34) Trichloroethene	5.822	95	241451	49.863	ug/L	99
35) Methylcyclohexane	6.040	83	362958	48.724	ug/L	99
37) 1,2-Dichloropropane	6.082	63	247908	52.799	ug/L	99
38) Bromodichloromethane	6.423	83	336457	53.605	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	377050	50.307	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	341107	89.226	ug/L	99
42) Toluene	7.304	91	1006921	53.418	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	343071	50.842	ug/L	100
45) 1,1,2-Trichloroethane	7.757	97	235274	52.185	ug/L	98
46) Tetrachloroethene	7.895	164	186814	50.460	ug/L	99
48) 2-Hexanone	8.069	43	251712	84.676	ug/L	100
49) Dibromochloromethane	8.166	129	252977	53.017	ug/L	98
50) 1,2-Dibromoethane	8.272	107	231216	49.613	ug/L	98
51) Chlorobenzene	8.805	112	667359	51.965	ug/L	99
52) Ethylbenzene	8.937	91	1104068	52.034	ug/L	100
53) m,p-Xylene	9.063	106	429379	54.374	ug/L	99
54) o-Xylene	9.468	106	409254	53.084	ug/L	97
55) Styrene	9.487	104	753297	56.127	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	304556	48.452	ug/L	98
59) Bromoform	9.654	173	163160	50.026	ug/L	97
60) Isopropylbenzene	9.857	105	1116976	51.485	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	222834	46.928	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	882080	51.426	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	885259	51.873	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	541016	51.809	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	562302	51.712	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	528465	51.192	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.355	75	48089	41.720	ug/L	97
69) 1,3,5-Trichlorobenzene	12.574	180	355895	49.560	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	312906	46.964	ug/L	99
71) Naphthalene	13.429	128	716274	41.148	ug/L	100
72) 1,2,3-Trichlorobenzene	13.670	180	309049	46.971	ug/L	99

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

Manual Integrations

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