

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101824\
 Data File : VV037890.D
 Acq On : 18 Oct 2024 09:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/21/2024
 Supervised By :Semsettin Yesilyurt 10/21/2024

Quant Time: Oct 18 23:07:06 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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	504813	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	511553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	296413	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	203761	45.981	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.960%		
7) Chloroethane-d5	1.532	69	179236	52.107	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.220%		
11) 1,1-Dichloroethene-d2	2.060	65	93253	50.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.740%		
21) 2-Butanone-d5	3.789	46	136677m	86.592	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.590%		
24) Chloroform-d	4.240	84	445078	56.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	112.900%		
26) 1,2-Dichloroethane-d4	4.934	65	253038	54.832	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.660%		
32) Benzene-d6	4.950	84	844363	52.748	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.500%		
36) 1,2-Dichloropropane-d6	5.979	67	264727	51.935	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.880%		
41) Toluene-d8	7.233	98	786065	54.155	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.300%		
43) trans-1,3-Dichloroprop...	7.545	79	116138	49.047	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.100%		
47) 2-Hexanone-d5	8.021	63	86741	80.589	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.590%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	285773	48.251	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.500%		
66) 1,2-Dichlorobenzene-d4	11.551	152	296349	47.446	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	217864	50.695	ug/L	99
3) Chloromethane	1.220	50	207487	49.731	ug/L	99
5) Vinyl chloride	1.285	62	229996	51.420	ug/L	98
6) Bromomethane	1.487	94	135961	54.773	ug/L	100
8) Chloroethane	1.548	64	148141	53.735	ug/L	100
9) Trichlorofluoromethane	1.716	101	344489	57.216	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	214337	59.574	ug/L	99
12) 1,1-Dichloroethene	2.069	96	189121	56.273	ug/L	86
13) Acetone	2.111	43	131258	84.830	ug/L	100
14) Carbon disulfide	2.240	76	475190	45.297	ug/L	100
15) Methyl Acetate	2.372	43	140481	52.025	ug/L	98
16) Methylene chloride	2.442	84	219054	57.565	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	193829	54.517	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	578210	56.685	ug/L	100
19) 1,1-Dichloroethane	3.105	63	398557	58.508	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	226514	56.932	ug/L	99
22) 2-Butanone	3.870	43	149821	87.480	ug/L	100
23) Bromochloromethane	4.137	128	121135	58.858	ug/L	98
25) Chloroform	4.265	83	426680	60.497	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	295191	59.287	ug/L	99
29) Cyclohexane	4.571	56	276786	47.655	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	361760	57.418	ug/L	100
31) Carbon tetrachloride	4.722	117	310835	56.746	ug/L	100
33) Benzene	4.998	78	865980	56.131	ug/L	100
34) Trichloroethene	5.822	95	224722	54.695	ug/L	99
35) Methylcyclohexane	6.040	83	318899	50.454	ug/L	99
37) 1,2-Dichloropropane	6.085	63	236060	59.253	ug/L	98
38) Bromodichloromethane	6.423	83	317208	59.562	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	338652	53.252	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	315956	97.405	ug/L	100
42) Toluene	7.307	91	937446	58.613	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	317380	55.433	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	221625	57.936	ug/L	99
46) Tetrachloroethene	7.895	164	175721	55.938	ug/L	97
48) 2-Hexanone	8.072	43	228751	90.693	ug/L	99
49) Dibromochloromethane	8.169	129	241057	59.540	ug/L	97
50) 1,2-Dibromoethane	8.275	107	215016	54.376	ug/L	99
51) Chlorobenzene	8.805	112	615117	56.450	ug/L	99
52) Ethylbenzene	8.937	91	1024298	56.894	ug/L	99
53) m,p-Xylene	9.066	106	396575	59.187	ug/L	99
54) o-Xylene	9.471	106	379915	58.078	ug/L	97
55) Styrene	9.487	104	703048	61.737	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	286557	53.729	ug/L	98
59) Bromoform	9.657	173	156011	53.851	ug/L	97
60) Isopropylbenzene	9.857	105	1049804	54.476	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	211173	50.067	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	819111	53.762	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	827878	54.612	ug/L	100
64) 1,3-Dichlorobenzene	11.108	146	508837	54.857	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	529109	54.780	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	503926	54.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	45509	44.449	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	341761	53.578	ug/L	100
70) 1,2,4-trichlorobenzene	13.188	180	295740	49.971	ug/L	99
71) Naphthalene	13.429	128	653190	42.244	ug/L	100
72) 1,2,3-Trichlorobenzene	13.670	180	291958	49.956	ug/L	99

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

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