

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101022\
 Data File : VV028490.D
 Acq On : 10 Oct 2022 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/11/2022
 Supervised By :Mahesh Dadoda 10/11/2022

Quant Time: Oct 11 02:48:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 10 05:21:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	355301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	320868	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	168907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	141102	51.468	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.940%			
7) Chloroethane-d5	1.565	69	104248	47.956	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.920%			
11) 1,1-Dichloroethene-d2	2.105	63	229144	49.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.220%			
21) 2-Butanone-d5	3.886	46	173688	72.372	ug/L	-0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 72.370%			
24) Chloroform-d	4.339	84	253835	50.484	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.960%			
26) 1,2-Dichloroethane-d4	5.021	65	160753	49.574	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.140%			
32) Benzene-d6	5.040	84	512520	49.848	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.700%			
36) 1,2-Dichloropropane-d6	6.060	67	155624	46.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.840%			
41) Toluene-d8	7.307	98	466439	50.671	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.340%			
43) trans-1,3-Dichloroprop...	7.613	79	80026	46.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.680%			
47) 2-Hexanone-d5	8.082	63	151473	83.064	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 83.060%			
56) 1,1,2,2-Tetrachloroeth...	10.207	84	194950	42.498	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.000%			
66) 1,2-Dichlorobenzene-d4	11.616	152	174143	49.757	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	143381	53.597	ug/L	100
3) Chloromethane	1.237	50	132068	43.853	ug/L	99
5) Vinyl chloride	1.307	62	136313	45.102	ug/L	100
6) Bromomethane	1.520	94	65251	47.349	ug/L	100
8) Chloroethane	1.581	64	85212	46.445	ug/L	95
9) Trichlorofluoromethane	1.748	101	203811	54.566	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	102353	48.351	ug/L	94
12) 1,1-Dichloroethene	2.114	96	102676	49.407	ug/L	90
13) Acetone	2.182	43	131480m	70.723	ug/L	
14) Carbon disulfide	2.288	76	348605	52.452	ug/L	99
15) Methyl Acetate	2.429	43	132760	42.295	ug/L	98
16) Methylene chloride	2.500	84	138556	51.305	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	127188	52.470	ug/L	94
18) Methyl tert-butyl Ether	2.761	73	464932	52.175	ug/L	98
19) 1,1-Dichloroethane	3.182	63	247253	49.933	ug/L	98
20) cis-1,2-Dichloroethene	3.902	96	143577	51.994	ug/L	93
22) 2-Butanone	3.970	43	207137	84.517	ug/L	98
23) Bromochloromethane	4.236	128	71864	53.550	ug/L	87
25) Chloroform	4.365	83	251096	51.942	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	193670	52.289	ug/L	98
29) Cyclohexane	4.667	56	226201	49.012	ug/L	95
30) 1,1,1-Trichloroethane	4.600	97	230100	55.511	ug/L	98
31) Carbon tetrachloride	4.818	117	197410	56.893	ug/L	99
33) Benzene	5.092	78	540023	51.172	ug/L	100
34) Trichloroethene	5.905	95	131515	50.236	ug/L	92
35) Methylcyclohexane	6.124	83	226796	49.830	ug/L	97
37) 1,2-Dichloropropane	6.166	63	138093	48.809	ug/L	99
38) Bromodichloromethane	6.503	83	193794	52.576	ug/L	99
39) cis-1,3-Dichloropropene	7.018	75	208833	46.398	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	427149	88.522	ug/L	99
42) Toluene	7.381	91	560343	51.514	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	210015	48.617	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	131179	50.058	ug/L	98
46) Tetrachloroethene	7.966	164	105450	56.058	ug/L	96
48) 2-Hexanone	8.133	43	314465	84.891	ug/L	98
49) Dibromochloromethane	8.236	129	148182	52.606	ug/L	99
50) 1,2-Dibromoethane	8.342	107	135499	49.937	ug/L	97
51) Chlorobenzene	8.873	112	358326	52.505	ug/L	96
52) Ethylbenzene	9.005	91	617589	52.092	ug/L	100
53) m,p-Xylene	9.130	106	237144	52.772	ug/L	97
54) o-Xylene	9.535	106	232682	51.713	ug/L	98
55) Styrene	9.551	104	397545	51.449	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	205258	45.736	ug/L	99
59) Bromoform	9.722	173	105587	50.480	ug/L	99
60) Isopropylbenzene	9.921	105	621342	51.050	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	161909	45.027	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	541368	51.356	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	538340	51.450	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	282105	52.993	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	278337	52.399	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	281091	52.317	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	50254	45.669	ug/L	97
69) 1,3,5-Trichlorobenzene	12.635	180	216962	53.660	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	197038	55.289	ug/L	99
71) Naphthalene	13.490	128	589068	53.144	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	193946	55.819	ug/L	99

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

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