

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101122\
 Data File : VV028511.D
 Acq On : 11 Oct 2022 10:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050357

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 00:22:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 11 02:53:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	301521	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	269567	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	144971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	111842	48.072	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	96.140%	
7) Chloroethane-d5	1.564	69	83327	45.169	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	90.340%	
11) 1,1-Dichloroethene-d2	2.101	63	187778	47.423	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	94.840%	
21) 2-Butanone-d5	3.886	46	165857	81.436	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	81.440%	
24) Chloroform-d	4.339	84	226448	53.070	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	106.140%	
26) 1,2-Dichloroethane-d4	5.024	65	148811	54.076	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	108.160%	
32) Benzene-d6	5.040	84	450419	52.145	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	104.280%	
36) 1,2-Dichloropropane-d6	6.063	67	131733	46.775	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	93.560%	
41) Toluene-d8	7.307	98	411806	53.249	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	106.500%	
43) trans-1,3-Dichloroprop...	7.612	79	73771	51.391	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	102.780%	
47) 2-Hexanone-d5	8.082	63	132074	86.209	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	86.210%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	169406	43.958	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	87.920%	
66) 1,2-Dichlorobenzene-d4	11.616	152	152798	50.867	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	101.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	132949	58.562	ug/L	100
3) Chloromethane	1.236	50	104822	41.014	ug/L	100
5) Vinyl chloride	1.307	62	108418	42.271	ug/L	99
6) Bromomethane	1.519	94	50032	42.780	ug/L	97
8) Chloroethane	1.581	64	65776	42.246	ug/L	99
9) Trichlorofluoromethane	1.748	101	177096	55.871	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	85129	47.387	ug/L	92
12) 1,1-Dichloroethene	2.111	96	83001	47.063	ug/L	96
13) Acetone	2.179	43	146048m	92.571	ug/L	
14) Carbon disulfide	2.288	76	283257	50.221	ug/L	98
15) Methyl Acetate	2.429	43	108043	40.560	ug/L	96
16) Methylene chloride	2.500	84	114596	50.001	ug/L	96
17) trans-1,2-Dichloroethene	2.751	96	106244	51.648	ug/L	93
18) Methyl tert-butyl Ether	2.761	73	398737	52.728	ug/L	97
19) 1,1-Dichloroethane	3.182	63	210770	50.157	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	123346	52.634	ug/L	92
22) 2-Butanone	3.970	43	194810	93.665	ug/L	96
23) Bromochloromethane	4.236	128	60849	53.430	ug/L	90
25) Chloroform	4.365	83	217868	53.107	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	172348	54.831	ug/L	98
29) Cyclohexane	4.667	56	188606	48.644	ug/L	95
30) 1,1,1-Trichloroethane	4.600	97	200214	57.493	ug/L	98
31) Carbon tetrachloride	4.818	117	174139	59.737	ug/L	99
33) Benzene	5.092	78	455383	51.364	ug/L	100
34) Trichloroethene	5.905	95	113505	51.608	ug/L	97
35) Methylcyclohexane	6.124	83	198446	51.899	ug/L	96
37) 1,2-Dichloropropane	6.166	63	116234	48.902	ug/L	98
38) Bromodichloromethane	6.503	83	162600	52.508	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	196687	52.016	ug/L	97
40) 4-Methyl-2-pentanone	7.220	43	363449	89.655	ug/L	99
42) Toluene	7.381	91	480509	52.581	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	191644	52.808	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	111789	50.777	ug/L	96
46) Tetrachloroethene	7.969	164	91293	57.768	ug/L	94
48) 2-Hexanone	8.133	43	277706	89.234	ug/L	99
49) Dibromochloromethane	8.239	129	126539	53.472	ug/L	100
50) 1,2-Dibromoethane	8.346	107	113546	49.810	ug/L	99
51) Chlorobenzene	8.873	112	305599	53.301	ug/L	97
52) Ethylbenzene	9.005	91	526501	52.860	ug/L	99
53) m,p-Xylene	9.130	106	198831	52.667	ug/L	100
54) o-Xylene	9.535	106	201630	53.340	ug/L	99
55) Styrene	9.551	104	346741	53.414	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	173014	45.888	ug/L	98
59) Bromoform	9.722	173	90906	50.637	ug/L	99
60) Isopropylbenzene	9.921	105	542306	51.913	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	139124	45.078	ug/L	96
62) 1,3,5-Trimethylbenzene	10.529	105	472835	52.261	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	464227	51.692	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	246174	53.878	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	242763	53.247	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	243400	52.781	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	42479	44.977	ug/L	96
69) 1,3,5-Trichlorobenzene	12.635	180	196807	56.712	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	173004	56.561	ug/L	99
71) Naphthalene	13.490	128	485919	51.076	ug/L	100
72) 1,2,3-Trichlorobenzene	13.731	180	169992	57.003	ug/L	98

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

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