

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083021\
 Data File : VV021991.D
 Acq On : 30 Aug 2021 09:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050320

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 10:01:20 AM

Quant Time: Aug 31 02:25:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 28 02:34:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	389204	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	370196	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	208368	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	129823	48.167	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.340%			
7) Chloroethane-d5	1.561	69	105252	50.005	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.020%			
11) 1,1-Dichloroethene-d2	2.105	63	227045	50.935	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.880%			
21) 2-Butanone-d5	3.870	46	184225	99.663	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.660%			
24) Chloroform-d	4.346	84	249580	50.784	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.560%			
26) 1,2-Dichloroethane-d4	5.027	65	150183	51.881	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.760%			
32) Benzene-d6	5.047	84	512170	51.008	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.020%			
36) 1,2-Dichloropropane-d6	6.066	67	157500	49.877	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.760%			
41) Toluene-d8	7.313	98	484196	51.084	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.160%			
43) trans-1,3-Dichloroprop...	7.622	79	78934	52.519	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 105.040%			
47) 2-Hexanone-d5	8.085	63	125792	103.821	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.820%			
56) 1,1,2,2-Tetrachloroeth...	10.217	84	213140	52.703	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.400%			
66) 1,2-Dichlorobenzene-d4	11.625	152	198673	48.501	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	137823	51.516	ug/L	99
3) Chloromethane	1.240	50	137870	48.668	ug/L	98
5) Vinyl chloride	1.310	62	141549	49.574	ug/L	99
6) Bromomethane	1.513	94	86998	50.678	ug/L	98
8) Chloroethane	1.580	64	88635	49.622	ug/L	100
9) Trichlorofluoromethane	1.748	101	214016	52.634	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	124202	52.078	ug/L	99
12) 1,1-Dichloroethene	2.114	96	113270	50.455	ug/L	93
13) Acetone	2.156	43	215368m	139.056	ug/L	
14) Carbon disulfide	2.291	76	349230	51.554	ug/L	99
15) Methyl Acetate	2.423	43	149610	49.603	ug/L	99
16) Methylene chloride	2.503	84	149515	49.708	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	136394	50.248	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	425520	49.331	ug/L	99
19) 1,1-Dichloroethane	3.185	63	243126	50.289	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	150219	49.722	ug/L	98
22) 2-Butanone	3.950	43	255122	117.187	ug/L	95
23) Bromochloromethane	4.246	128	79035	49.123	ug/L	99
25) Chloroform	4.371	83	256608	50.141	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	175368	51.119	ug/L	98
29) Cyclohexane	4.674	56	206107	49.805	ug/L	99
30) 1,1,1-Trichloroethane	4.603	97	226641	51.512	ug/L	98
31) Carbon tetrachloride	4.825	117	196083	51.873	ug/L	100
33) Benzene	5.095	78	542737	50.391	ug/L	100
34) Trichloroethene	5.912	95	150019	49.173	ug/L	99
35) Methylcyclohexane	6.130	83	225289	50.513	ug/L	99
37) 1,2-Dichloropropane	6.172	63	140094	50.178	ug/L	99
38) Bromodichloromethane	6.506	83	183931	51.515	ug/L	100
39) cis-1,3-Dichloropropene	7.024	75	226136	52.461	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	373385	98.648	ug/L	100
42) Toluene	7.387	91	588774	50.649	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	210627	52.502	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	141468	49.799	ug/L	99
46) Tetrachloroethene	7.976	164	119678	50.449	ug/L	98
48) 2-Hexanone	8.136	43	325148	110.716	ug/L	98
49) Dibromochloromethane	8.246	129	157674	51.853	ug/L	98
50) 1,2-Dibromoethane	8.352	107	153202	50.250	ug/L	100
51) Chlorobenzene	8.882	112	388573	49.717	ug/L	99
52) Ethylbenzene	9.011	91	636832	50.607	ug/L	99
53) m,p-Xylene	9.136	106	247407	50.583	ug/L	99
54) o-Xylene	9.545	106	241846	49.974	ug/L	97
55) Styrene	9.561	104	422910	51.206	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	212620	51.658	ug/L	98
59) Bromoform	9.731	173	115658	52.261	ug/L	98
60) Isopropylbenzene	9.931	105	646637	49.389	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	170980	47.346	ug/L	100
62) 1,3,5-Trimethylbenzene	10.542	105	543022	49.402	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	558032	49.947	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	325028	48.894	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	329880	48.495	ug/L	100
67) 1,2-Dichlorobenzene	11.644	146	319647	48.427	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.429	75	42314	48.617	ug/L	95
69) 1,3,5-Trichlorobenzene	12.648	180	243100	48.906	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	213317	48.784	ug/L	99
71) Naphthalene	13.503	128	606236	48.197	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	207993	48.768	ug/L	100

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

