

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091721\
 Data File : VV022196.D
 Acq On : 17 Sep 2021 19:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 12:19:17 PM

Quant Time: Sep 18 02:59:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 18 02:49:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	305147	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	296906	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	153119	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	84799	40.128	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.260%		
7) Chloroethane-d5	1.564	69	76107	46.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.240%		
11) 1,1-Dichloroethene-d2	2.105	63	176355	50.462	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.920%		
21) 2-Butanone-d5	3.899	46	183025	126.289	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	126.290%		
24) Chloroform-d	4.352	84	206253	53.528	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.060%		
26) 1,2-Dichloroethane-d4	5.034	65	121638	53.595	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.180%		
32) Benzene-d6	5.053	84	403837	50.147	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.300%		
36) 1,2-Dichloropropane-d6	6.072	67	128031	50.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.100%		
41) Toluene-d8	7.317	98	379128	49.873	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.740%		
43) trans-1,3-Dichloroprop...	7.625	79	55006	45.633	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.260%		
47) 2-Hexanone-d5	8.091	63	120831	124.344	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	124.340%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	183258	56.499	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	113.000%		
66) 1,2-Dichlorobenzene-d4	11.625	152	151280	50.257	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	78849	37.591	ug/L	98
3) Chloromethane	1.240	50	88163	39.694	ug/L	99
5) Vinyl chloride	1.307	62	96657	43.177	ug/L	99
6) Bromomethane	1.519	94	62937	46.761	ug/L	99
8) Chloroethane	1.584	64	65331	46.650	ug/L	98
9) Trichlorofluoromethane	1.751	101	158253	49.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	95105	50.863	ug/L	99
12) 1,1-Dichloroethene	2.114	96	89555	50.880	ug/L	93
13) Acetone	2.191	43	126670m	104.316	ug/L	
14) Carbon disulfide	2.291	76	206543	38.889	ug/L	98
15) Methyl Acetate	2.439	43	135795	57.425	ug/L	98
16) Methylene chloride	2.506	84	118603	50.293	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	102005	47.930	ug/L	100
18) Methyl tert-butyl Ether	2.770	73	352194	52.078	ug/L	98
19) 1,1-Dichloroethane	3.191	63	201037	53.038	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	118557	50.052	ug/L	99
22) 2-Butanone	3.982	43	192198	112.602	ug/L	97
23) Bromochloromethane	4.252	128	63952	50.697	ug/L	99
25) Chloroform	4.378	83	210593	52.485	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	152000	56.513	ug/L	100
29) Cyclohexane	4.680	56	145428	43.817	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	178804	50.671	ug/L	99
31) Carbon tetrachloride	4.831	117	148260	48.903	ug/L	100
33) Benzene	5.101	78	439179	50.841	ug/L	100
34) Trichloroethene	5.915	95	114821	46.926	ug/L	98
35) Methylcyclohexane	6.133	83	154222	43.114	ug/L	97
37) 1,2-Dichloropropane	6.175	63	118182	52.779	ug/L	99
38) Bromodichloromethane	6.513	83	150157	52.437	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	166162	48.063	ug/L	100
40) 4-Methyl-2-pentanone	7.230	43	356956	117.587	ug/L	99
42) Toluene	7.390	91	474784	50.925	ug/L	100
44) trans-1,3-Dichloropropene	7.654	75	160391	49.848	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	121891	53.500	ug/L	99
46) Tetrachloroethene	7.979	164	87344	45.908	ug/L	98
48) 2-Hexanone	8.143	43	284048	120.596	ug/L	97
49) Dibromochloromethane	8.249	129	126310	51.792	ug/L	97
50) 1,2-Dibromoethane	8.355	107	127747	52.244	ug/L	99
51) Chlorobenzene	8.882	112	309473	49.371	ug/L	98
52) Ethylbenzene	9.014	91	498772	49.420	ug/L	100
53) m,p-Xylene	9.140	106	190951	48.677	ug/L	96
54) o-Xylene	9.545	106	194900	50.214	ug/L	98
55) Styrene	9.561	104	340867	51.460	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.242	83	190724	57.776	ug/L	100
59) Bromoform	9.734	173	88012	54.119	ug/L	100
60) Isopropylbenzene	9.934	105	507606	52.759	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	158268	59.639	ug/L	99
62) 1,3,5-Trimethylbenzene	10.541	105	418056	51.756	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	423778	51.617	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	240616	49.256	ug/L	100
65) 1,4-Dichlorobenzene	11.275	146	243480	48.709	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	254095	52.386	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.429	75	38988	60.959	ug/L	93
69) 1,3,5-Trichlorobenzene	12.648	180	170926	46.794	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	144610	45.004	ug/L	99
71) Naphthalene	13.503	128	475967	51.494	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	155673	49.670	ug/L	100

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

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