

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090821\
 Data File : VV022119.D
 Acq On : 08 Sep 2021 09:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050331

Manual Integrations
 APPROVED

MMDadoda
 9/9/2021 1:10:30 PM

Quant Time: Sep 09 08:23:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 08 01:14:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	349339	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	332027	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	175287	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	80582	33.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.620%
7) Chloroethane-d5	1.561	69	72579	38.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.840%
11) 1,1-Dichloroethene-d2	2.105	63	172195	43.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.080%
21) 2-Butanone-d5	3.873	46	158758	95.687	ug/L	-0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.690%
24) Chloroform-d	4.346	84	199218	45.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.320%
26) 1,2-Dichloroethane-d4	5.027	65	118096	45.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.900%
32) Benzene-d6	5.047	84	377749	41.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.900%
36) 1,2-Dichloropropane-d6	6.069	67	123245	43.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.040%
41) Toluene-d8	7.313	98	351610	41.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.720%
43) trans-1,3-Dichloroprop...	7.622	79	57214	42.444	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.880%
47) 2-Hexanone-d5	8.085	63	106077	97.614	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.610%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	176069	48.541	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.080%
66) 1,2-Dichlorobenzene-d4	11.625	152	149316	43.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	100230	41.740	ug/L	100
3) Chloromethane	1.240	50	104614	41.143	ug/L	100
5) Vinyl chloride	1.310	62	111307	43.431	ug/L	98
6) Bromomethane	1.510	94	73333	47.593	ug/L	99
8) Chloroethane	1.577	64	75422	47.043	ug/L	99
9) Trichlorofluoromethane	1.748	101	178997	49.045	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	110557	51.647	ug/L	99
12) 1,1-Dichloroethene	2.114	96	98806	49.034	ug/L	87
13) Acetone	2.159	43	166319m	119.641	ug/L	
14) Carbon disulfide	2.291	76	257065	42.279	ug/L	99
15) Methyl Acetate	2.426	43	130044	48.036	ug/L	99
16) Methylene chloride	2.503	84	128166	47.473	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	111711	45.851	ug/L	96
18) Methyl tert-butyl Ether	2.767	73	373179	48.200	ug/L	99
19) 1,1-Dichloroethane	3.188	63	215796	49.730	ug/L	100
20) cis-1,2-Dichloroethene	3.908	96	130414	48.093	ug/L	99
22) 2-Butanone	3.953	43	196353	100.484	ug/L	99
23) Bromochloromethane	4.243	128	69309	47.993	ug/L	97
25) Chloroform	4.371	83	224301	48.830	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	158485	51.470	ug/L	99
29) Cyclohexane	4.674	56	173635	46.782	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	193064	48.925	ug/L	98
31) Carbon tetrachloride	4.825	117	165200	48.727	ug/L	99
33) Benzene	5.095	78	471191	48.777	ug/L	100
34) Trichloroethene	5.912	95	125832	45.986	ug/L	99
35) Methylcyclohexane	6.130	83	189422	47.353	ug/L	99
37) 1,2-Dichloropropane	6.172	63	122687	48.995	ug/L	99
38) Bromodichloromethane	6.506	83	160987	50.273	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	190568	49.292	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	336228	99.043	ug/L	99
42) Toluene	7.387	91	514773	49.374	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	179384	49.854	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	125085	49.094	ug/L	99
46) Tetrachloroethene	7.976	164	99590	46.808	ug/L	99
48) 2-Hexanone	8.137	43	270508	102.699	ug/L	98
49) Dibromochloromethane	8.246	129	134136	49.183	ug/L	99
50) 1,2-Dibromoethane	8.352	107	131776	48.191	ug/L	100
51) Chlorobenzene	8.883	112	333766	47.614	ug/L	97
52) Ethylbenzene	9.011	91	540762	47.913	ug/L	98
53) m,p-Xylene	9.137	106	210707	48.032	ug/L	99
54) o-Xylene	9.545	106	211125	48.641	ug/L	97
55) Styrene	9.561	104	364303	49.181	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	189065	51.216	ug/L	99
59) Bromoform	9.731	173	92220	49.535	ug/L	100
60) Isopropylbenzene	9.931	105	560187	50.860	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	153184	50.423	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	464491	50.233	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	475268	50.568	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	269218	48.141	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	271613	47.465	ug/L	100
67) 1,2-Dichlorobenzene	11.644	146	273670	49.286	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	37773	51.590	ug/L	96
69) 1,3,5-Trichlorobenzene	12.648	180	202899	48.522	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	173172	47.077	ug/L	99
71) Naphthalene	13.503	128	512518	48.436	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	176180	49.104	ug/L	100

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

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