

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050421\
 Data File : VV021257.D
 Acq On : 04 May 2021 09:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050189

Manual Integrations
 APPROVED

MMDadoda
 5/6/2021 11:28:15 AM

Quant Time: May 05 01:09:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 03 18:54:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	746690	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	728224	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	426201	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	149141	45.03	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.06%		
7) Chloroethane-d5	1.571	69	129433	43.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.46%		
11) 1,1-Dichloroethene-d2	2.108	63	408612	44.22	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.44%		
21) 2-Butanone-d5	3.892	46	254925m	95.91	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.91%		
24) Chloroform-d	4.349	84	491589	46.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.26%		
26) 1,2-Dichloroethane-d4	5.034	65	366035	46.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.76%		
32) Benzene-d6	5.053	84	785593	46.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.68%		
36) 1,2-Dichloropropane-d6	6.072	67	204946	47.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.14%		
41) Toluene-d8	7.317	98	822693	47.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.68%		
43) trans-1,3-Dichloroprop...	7.622	79	150084	46.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.68%		
47) 2-Hexanone-d5	8.092	63	190785	95.90	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.90%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	327186	47.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.92%		
66) 1,2-Dichlorobenzene-d4	11.632	152	392985	46.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.58%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	284963	47.27	ug/L	99
3) Chloromethane	1.243	50	171342	47.27	ug/L	97
5) Vinyl chloride	1.310	62	208938	46.25	ug/L	99
6) Bromomethane	1.523	94	173164	48.72	ug/L	98
8) Chloroethane	1.587	64	138235	47.37	ug/L	99
9) Trichlorofluoromethane	1.754	101	565427	47.72	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	256431	49.02	ug/L	96
12) 1,1-Dichloroethene	2.118	96	224841	48.09	ug/L	92
13) Acetone	2.195	43	294967	93.90	ug/L	83
14) Carbon disulfide	2.294	76	550957	46.97	ug/L	99
15) Methyl Acetate	2.436	43	178941	47.16	ug/L	94
16) Methylene chloride	2.507	84	231809	48.41	ug/L	95
17) trans-1,2-Dichloroethene	2.761	96	226235	48.33	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	814487	48.53	ug/L #	91
19) 1,1-Dichloroethane	3.191	63	386753	47.69	ug/L	96
20) cis-1,2-Dichloroethene	3.912	96	248071	48.19	ug/L	99
22) 2-Butanone	3.982	43	269807	89.99	ug/L	96
23) Bromochloromethane	4.249	128	142990	48.49	ug/L #	83
25) Chloroform	4.375	83	510290	47.78	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	466286	47.90	ug/L	96
29) Cyclohexane	4.677	56	295267	48.23	ug/L #	83
30) 1,1,1-Trichloroethane	4.609	97	539867	47.44	ug/L	98
31) Carbon tetrachloride	4.828	117	495317	46.82	ug/L	97
33) Benzene	5.101	78	887062	47.61	ug/L	100
34) Trichloroethene	5.915	95	277992	46.38	ug/L	98
35) Methylcyclohexane	6.133	83	387797	49.53	ug/L	96
37) 1,2-Dichloropropane	6.175	63	188525	47.92	ug/L #	94
38) Bromodichloromethane	6.513	83	385405	46.17	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	394910	51.45	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	533902	95.80	ug/L #	96
42) Toluene	7.391	91	1052211	48.46	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	418361	49.97	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	244451	48.43	ug/L	94
46) Tetrachloroethene	7.979	164	245255	47.60	ug/L	96
48) 2-Hexanone	8.143	43	446724	99.77	ug/L #	92
49) Dibromochloromethane	8.249	129	338184	47.23	ug/L	98
50) 1,2-Dibromoethane	8.355	107	270666	47.60	ug/L	94
51) Chlorobenzene	8.886	112	742297	49.46	ug/L	99
52) Ethylbenzene	9.018	91	1239007	49.39	ug/L	98
53) m,p-Xylene	9.143	106	483291	49.07	ug/L	98
54) o-Xylene	9.548	106	472535	49.77	ug/L	98
55) Styrene	9.564	104	824972	51.04	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.246	83	333601	48.89	ug/L #	98
59) Bromoform	9.735	173	265408	46.52	ug/L	98
60) Isopropylbenzene	9.934	105	1324463	48.63	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	319928	45.91	ug/L	94
62) 1,3,5-Trimethylbenzene	10.545	105	1174688	49.25	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	1200815	50.17	ug/L	95
64) 1,3-Dichlorobenzene	11.188	146	642745	48.61	ug/L	99
65) 1,4-Dichlorobenzene	11.278	146	665731	49.17	ug/L	97
67) 1,2-Dichlorobenzene	11.648	146	643483	48.18	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.435	75	116264	47.97	ug/L	94
69) 1,3,5-Trichlorobenzene	12.654	180	527145	51.48	ug/L	96
70) 1,2,4-trichlorobenzene	13.268	180	433096	51.95	ug/L	98
71) Naphthalene	13.509	128	1172083	51.19	ug/L	98
72) 1,2,3-Trichlorobenzene	13.754	180	436978	51.79	ug/L	98

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

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