

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050421\
 Data File : VV021278.D
 Acq On : 04 May 2021 18:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050190

Manual Integrations
 APPROVED

MMDadoda
 5/6/2021 11:29:27 AM

Quant Time: May 05 01:27:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 05 01:23:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	706718	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	697822	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	405226	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	117513	37.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.96%		
7) Chloroethane-d5	1.568	69	116708	41.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.32%		
11) 1,1-Dichloroethene-d2	2.111	63	355326	40.63	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.26%		
21) 2-Butanone-d5	3.899	46	261850	104.09	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.09%		
24) Chloroform-d	4.355	84	450357	45.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.26%		
26) 1,2-Dichloroethane-d4	5.037	65	339423	45.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.88%		
32) Benzene-d6	5.053	84	716744	44.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.20%		
36) 1,2-Dichloropropane-d6	6.072	67	182697	44.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.52%		
41) Toluene-d8	7.320	98	728320	43.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.46%		
43) trans-1,3-Dichloroprop...	7.625	79	130575	42.52	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.04%		
47) 2-Hexanone-d5	8.091	63	197457	103.58	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.58%		
56) 1,1,2,2-Tetrachloroeth...	10.223	84	313449	47.45	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.90%		
66) 1,2-Dichlorobenzene-d4	11.632	152	348707	43.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.34%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	258878	45.37	ug/L	99
3) Chloromethane	1.243	50	163654	47.70	ug/L	100
5) Vinyl chloride	1.310	62	192606	45.05	ug/L	97
6) Bromomethane	1.523	94	166074	49.37	ug/L	95
8) Chloroethane	1.587	64	131869	47.74	ug/L	97
9) Trichlorofluoromethane	1.754	101	518352	46.22	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	222179	44.87	ug/L	92
12) 1,1-Dichloroethene	2.117	96	205345	46.41	ug/L	91
13) Acetone	2.195	43	231442	77.84	ug/L	82
14) Carbon disulfide	2.294	76	500454	45.08	ug/L	100
15) Methyl Acetate	2.439	43	184530m	51.38	ug/L	
16) Methylene chloride	2.510	84	214592	47.35	ug/L	90
17) trans-1,2-Dichloroethene	2.760	96	217161	49.01	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	787802	49.59	ug/L #	91
19) 1,1-Dichloroethane	3.191	63	367007	47.81	ug/L	98
20) cis-1,2-Dichloroethene	3.915	96	231922	47.61	ug/L	93
22) 2-Butanone	3.982	43	279902m	98.63	ug/L	
23) Bromochloromethane	4.252	128	144363	51.73	ug/L	83
25) Chloroform	4.378	83	492134	48.69	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	433281	47.03	ug/L	96
29) Cyclohexane	4.680	56	262219	44.70	ug/L	84
30) 1,1,1-Trichloroethane	4.612	97	508093	46.60	ug/L	98
31) Carbon tetrachloride	4.831	117	462391	45.61	ug/L	98
33) Benzene	5.104	78	831962	46.60	ug/L	100
34) Trichloroethene	5.918	95	265369	46.20	ug/L	97
35) Methylcyclohexane	6.133	83	340554	45.39	ug/L	95
37) 1,2-Dichloropropane	6.178	63	178472	47.34	ug/L #	91
38) Bromodichloromethane	6.516	83	366615	45.84	ug/L	97
39) cis-1,3-Dichloropropene	7.030	75	360365	48.99	ug/L	100
40) 4-Methyl-2-pentanone	7.230	43	534216	100.03	ug/L #	96
42) Toluene	7.391	91	978102	47.01	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	388008	48.36	ug/L	100
45) 1,1,2-Trichloroethane	7.844	97	230656	47.68	ug/L	94
46) Tetrachloroethene	7.979	164	225259	45.63	ug/L	95
48) 2-Hexanone	8.143	43	449117	104.68	ug/L	93
49) Dibromochloromethane	8.252	129	314375	45.81	ug/L	100
50) 1,2-Dibromoethane	8.355	107	257549	47.27	ug/L	97
51) Chlorobenzene	8.886	112	687532	47.80	ug/L	97
52) Ethylbenzene	9.017	91	1144295	47.61	ug/L	99
53) m,p-Xylene	9.143	106	444168	47.06	ug/L	97
54) o-Xylene	9.548	106	445590	48.98	ug/L	98
55) Styrene	9.567	104	763478	49.30	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.249	83	316542	48.41	ug/L #	94
59) Bromoform	9.738	173	246643	45.47	ug/L	99
60) Isopropylbenzene	9.937	105	1241517	47.95	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	319837	48.27	ug/L	96
62) 1,3,5-Trimethylbenzene	10.545	105	1082831	47.75	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	1101962	48.42	ug/L	96
64) 1,3-Dichlorobenzene	11.188	146	587339	46.72	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	586177	45.53	ug/L	98
67) 1,2-Dichlorobenzene	11.651	146	596930	47.01	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.435	75	113572	49.29	ug/L	94
69) 1,3,5-Trichlorobenzene	12.651	180	463273	47.58	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	398143	50.23	ug/L	98
71) Naphthalene	13.509	128	1183348	54.35	ug/L	99
72) 1,2,3-Trichlorobenzene	13.750	180	409409	51.03	ug/L	98

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

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