

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050721\
 Data File : VV021317.D
 Acq On : 07 May 2021 11:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050195

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:52:32 PM

Quant Time: May 08 00:32:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 07 03:56:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	678246	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	670223	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	397948	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	162501	54.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	108.02%		
7) Chloroethane-d5	1.571	69	132541	49.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.60%		
11) 1,1-Dichloroethene-d2	2.111	63	406469	48.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.86%		
21) 2-Butanone-d5	3.895	46	222667m	92.23	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.23%		
24) Chloroform-d	4.349	84	474297	49.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.06%		
26) 1,2-Dichloroethane-d4	5.034	65	350010	48.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.66%		
32) Benzene-d6	5.050	84	757720	49.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.18%		
36) 1,2-Dichloropropane-d6	6.069	67	184152	46.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.90%		
41) Toluene-d8	7.317	98	784971	49.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.16%		
43) trans-1,3-Dichloroprop...	7.622	79	141159	47.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.72%		
47) 2-Hexanone-d5	8.091	63	171065	93.43	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.43%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	293618	46.28	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.56%		
66) 1,2-Dichlorobenzene-d4	11.631	152	369026	47.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.12%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	259457	47.38	ug/L	99
3) Chloromethane	1.243	50	154388	46.89	ug/L	99
5) Vinyl chloride	1.314	62	190138	46.34	ug/L	99
6) Bromomethane	1.526	94	161666	50.07	ug/L	98
8) Chloroethane	1.587	64	125349	47.29	ug/L	98
9) Trichlorofluoromethane	1.754	101	506630	47.08	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	240976	50.71	ug/L	95
12) 1,1-Dichloroethene	2.121	96	201502	47.45	ug/L	90
13) Acetone	2.198	43	297976m	104.42	ug/L	
14) Carbon disulfide	2.294	76	483149	45.35	ug/L	98
15) Methyl Acetate	2.442	43	168140	48.79	ug/L	91
16) Methylene chloride	2.506	84	215396	49.52	ug/L	97
17) trans-1,2-Dichloroethene	2.760	96	208706	49.08	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	783243	51.37	ug/L #	92
19) 1,1-Dichloroethane	3.191	63	364011	49.41	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	230386	49.28	ug/L	99
22) 2-Butanone	3.982	43	265266	97.40	ug/L	95
23) Bromochloromethane	4.249	128	134358	50.16	ug/L	89
25) Chloroform	4.375	83	479037	49.38	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	426943	48.29	ug/L	98
29) Cyclohexane	4.677	56	267767	47.53	ug/L	83
30) 1,1,1-Trichloroethane	4.609	97	504796	48.20	ug/L	99
31) Carbon tetrachloride	4.828	117	479982	49.30	ug/L	99
33) Benzene	5.101	78	838352	48.89	ug/L	100
34) Trichloroethene	5.915	95	263662	47.79	ug/L	99
35) Methylcyclohexane	6.133	83	369260	51.24	ug/L	95
37) 1,2-Dichloropropane	6.175	63	177579	49.05	ug/L #	93
38) Bromodichloromethane	6.509	83	365005	47.51	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	359552	50.89	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	502215	97.91	ug/L #	94
42) Toluene	7.390	91	991550	49.62	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	398348	51.69	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	234750	50.53	ug/L	95
46) Tetrachloroethene	7.979	164	234481	49.45	ug/L	95
48) 2-Hexanone	8.143	43	416282	101.02	ug/L #	97
49) Dibromochloromethane	8.249	129	319685	48.51	ug/L	100
50) 1,2-Dibromoethane	8.355	107	261824	50.03	ug/L	99
51) Chlorobenzene	8.886	112	701033	50.75	ug/L	99
52) Ethylbenzene	9.014	91	1185349	51.34	ug/L	98
53) m,p-Xylene	9.143	106	462311	51.00	ug/L	95
54) o-Xylene	9.548	106	446982	51.16	ug/L	93
55) Styrene	9.564	104	787239	52.92	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.246	83	308879	49.19	ug/L	97
59) Bromoform	9.734	173	255220	47.91	ug/L	99
60) Isopropylbenzene	9.934	105	1263028	49.67	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	305654	46.97	ug/L	97
62) 1,3,5-Trimethylbenzene	10.545	105	1155708	51.90	ug/L	98
63) 1,2,4-Trimethylbenzene	10.921	105	1162792	52.03	ug/L	96
64) 1,3-Dichlorobenzene	11.188	146	621514	50.34	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	636632	50.36	ug/L	98
67) 1,2-Dichlorobenzene	11.651	146	632842	50.75	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.435	75	102840	45.45	ug/L	94
69) 1,3,5-Trichlorobenzene	12.651	180	502127	52.51	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	424844	54.58	ug/L	99
71) Naphthalene	13.509	128	1126807	52.70	ug/L	99
72) 1,2,3-Trichlorobenzene	13.754	180	429038	54.46	ug/L	99

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

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