

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041621\
 Data File : VW021049.D
 Acq On : 16 Apr 2021 16:05
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050172

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 10:33:10 AM

Quant Time: Apr 17 00:49:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 17 00:47:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	490292	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	475769	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	276617	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	101907	38.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.42%		
7) Chloroethane-d5	1.571	69	90021	42.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.86%		
11) 1,1-Dichloroethene-d2	2.111	63	247704	43.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.60%		
21) 2-Butanone-d5	3.918	46	167841	95.68	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.68%		
24) Chloroform-d	4.352	84	310520	46.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.80%		
26) 1,2-Dichloroethane-d4	5.037	65	206446	46.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.26%		
32) Benzene-d6	5.053	84	542154	46.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.32%		
36) 1,2-Dichloropropane-d6	6.072	67	158756	48.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.36%		
41) Toluene-d8	7.320	98	553726	47.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.14%		
43) trans-1,3-Dichloroprop...	7.625	79	94705	47.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.24%		
47) 2-Hexanone-d5	8.095	63	145922	104.18	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.18%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	259131	49.03	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.06%		
66) 1,2-Dichlorobenzene-d4	11.632	152	266652	47.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.44%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	185606	47.60	ug/L	98
3) Chloromethane	1.243	50	119172	45.38	ug/L	96
5) Vinyl chloride	1.314	62	138344	47.34	ug/L	97
6) Bromomethane	1.526	94	107692	49.84	ug/L	100
8) Chloroethane	1.587	64	91700	48.50	ug/L	97
9) Trichlorofluoromethane	1.754	101	320369	46.39	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	162598	49.76	ug/L	99
12) 1,1-Dichloroethene	2.118	96	142693	48.61	ug/L	89
13) Acetone	2.227	43	127825m	86.99	ug/L	
14) Carbon disulfide	2.294	76	384796	47.60	ug/L	100
15) Methyl Acetate	2.446	43	118177	47.78	ug/L	100
16) Methylene chloride	2.510	84	156179	47.29	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	152360	48.79	ug/L	99
18) Methyl tert-butyl Ether	2.773	73	499599	50.93	ug/L	99
19) 1,1-Dichloroethane	3.191	63	264013	49.33	ug/L	99
20) cis-1,2-Dichloroethene	3.918	96	164872	49.54	ug/L	94
22) 2-Butanone	3.999	43	175481m	97.81	ug/L	
23) Bromochloromethane	4.253	128	99513	50.30	ug/L	93
25) Chloroform	4.378	83	332728	48.82	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	263558	50.61	ug/L	100
29) Cyclohexane	4.680	56	207349	50.01	ug/L	99
30) 1,1,1-Trichloroethane	4.613	97	327339	51.25	ug/L	100
31) Carbon tetrachloride	4.831	117	302550	51.00	ug/L	99
33) Benzene	5.105	78	597507	50.27	ug/L	100
34) Trichloroethene	5.918	95	178664	52.19	ug/L	99
35) Methylcyclohexane	6.133	83	253692	50.99	ug/L	99
37) 1,2-Dichloropropane	6.179	63	138969	49.31	ug/L #	92
38) Bromodichloromethane	6.513	83	243278	50.56	ug/L	95
39) cis-1,3-Dichloropropene	7.031	75	255894	51.94	ug/L	100
40) 4-Methyl-2-pentanone	7.233	43	362049	104.58	ug/L	99
42) Toluene	7.391	91	693816	51.77	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	260796	51.23	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	163986	50.10	ug/L	94
46) Tetrachloroethene	7.979	164	185290	56.87	ug/L	92
48) 2-Hexanone	8.146	43	274508	102.27	ug/L	98
49) Dibromochloromethane	8.249	129	224962	51.60	ug/L	100
50) 1,2-Dibromoethane	8.355	107	187081	51.38	ug/L	93
51) Chlorobenzene	8.886	112	477006	50.52	ug/L	100
52) Ethylbenzene	9.018	91	794640	52.40	ug/L	98
53) m,p-Xylene	9.143	106	313803	52.60	ug/L	97
54) o-Xylene	9.548	106	301573	52.30	ug/L	98
55) Styrene	9.564	104	526103	53.21	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.246	83	262818	50.53	ug/L	99
59) Bromoform	9.738	173	185196	51.44	ug/L	98
60) Isopropylbenzene	9.937	105	844255	51.79	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	215285	49.54	ug/L	99
62) 1,3,5-Trimethylbenzene	10.545	105	736230	52.78	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	752445	53.15	ug/L	100
64) 1,3-Dichlorobenzene	11.185	146	417827	49.98	ug/L	97
65) 1,4-Dichlorobenzene	11.278	146	424390	48.36	ug/L	97
67) 1,2-Dichlorobenzene	11.648	146	427306	49.31	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.435	75	67417	52.09	ug/L	92
69) 1,3,5-Trichlorobenzene	12.651	180	332771	50.55	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	278160	51.11	ug/L	98
71) Naphthalene	13.509	128	809673	57.09	ug/L	99
72) 1,2,3-Trichlorobenzene	13.754	180	293084	53.54	ug/L	98

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

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