

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041921\
 Data File : VW021051.D
 Acq On : 19 Apr 2021 13:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050173

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 12:25:49 PM

Quant Time: Apr 20 01:34:18 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	5.619	114	379380	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	374942	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	224652	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	106833	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.52%
7) Chloroethane-d5	1.574	69	79959	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.111	63	233376	52.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.44%
21) 2-Butanone-d5	3.905	46	122323m	90.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.12%
24) Chloroform-d	4.352	84	273503	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.76%
26) 1,2-Dichloroethane-d4	5.037	65	194653	56.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.42%
32) Benzene-d6	5.053	84	446315	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
36) 1,2-Dichloropropane-d6	6.072	67	115340	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.76%
41) Toluene-d8	7.320	98	464223	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%
43) trans-1,3-Dichloroprop...	7.625	79	79325	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
47) 2-Hexanone-d5	8.095	63	101845	92.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.26%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	185300	44.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.98%
66) 1,2-Dichlorobenzene-d4	11.632	152	216806	47.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.54%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	153265	50.80	ug/L	99
3) Chloromethane	1.243	50	86826	42.73	ug/L	99
5) Vinyl chloride	1.314	62	103039	45.56	ug/L	98
6) Bromomethane	1.526	94	82769	49.50	ug/L	98
8) Chloroethane	1.590	64	65347	44.67	ug/L	97
9) Trichlorofluoromethane	1.757	101	286264	53.57	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	126706	50.11	ug/L	99
12) 1,1-Dichloroethene	2.121	96	109495	48.21	ug/L	93
13) Acetone	2.198	43	98108	86.29	ug/L	92
14) Carbon disulfide	2.297	76	284303	45.45	ug/L	99
15) Methyl Acetate	2.439	43	89173	46.59	ug/L	97
16) Methylene chloride	2.513	84	115110	45.04	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	114196	47.26	ug/L	98
18) Methyl tert-butyl Ether	2.773	73	390659	51.47	ug/L	97
19) 1,1-Dichloroethane	3.191	63	194883	47.06	ug/L	99
20) cis-1,2-Dichloroethene	3.918	96	127507	49.52	ug/L	98
22) 2-Butanone	3.989	43	121901	87.81	ug/L #	46
23) Bromochloromethane	4.249	128	75706	49.45	ug/L	97
25) Chloroform	4.378	83	262920	49.85	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	225614	55.99	ug/L	98
29) Cyclohexane	4.680	56	145303	44.47	ug/L	95
30) 1,1,1-Trichloroethane	4.613	97	270579	53.76	ug/L	99
31) Carbon tetrachloride	4.831	117	254874	54.51	ug/L	99
33) Benzene	5.101	78	444978	47.51	ug/L	100
34) Trichloroethene	5.918	95	132059	48.95	ug/L	97
35) Methylcyclohexane	6.137	83	193772	49.42	ug/L	98
37) 1,2-Dichloropropane	6.178	63	99565	44.83	ug/L	100
38) Bromodichloromethane	6.513	83	197567	52.10	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	190426	49.04	ug/L	100
40) 4-Methyl-2-pentanone	7.230	43	243402	89.22	ug/L	98
42) Toluene	7.391	91	522044	49.43	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	201797	50.30	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	125630	48.70	ug/L	97
46) Tetrachloroethene	7.979	164	127738	49.75	ug/L	95
48) 2-Hexanone	8.146	43	200622	94.85	ug/L	97
49) Dibromochloromethane	8.249	129	174418	50.77	ug/L	98
50) 1,2-Dibromoethane	8.355	107	138297	48.20	ug/L	97
51) Chlorobenzene	8.886	112	370980	49.85	ug/L	97
52) Ethylbenzene	9.014	91	615872	51.53	ug/L	100
53) m,p-Xylene	9.143	106	237021	50.41	ug/L	95
54) o-Xylene	9.548	106	239537	52.71	ug/L	98
55) Styrene	9.564	104	413193	53.03	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.246	83	186655	45.54	ug/L	98
59) Bromoform	9.734	173	139575	47.73	ug/L	98
60) Isopropylbenzene	9.937	105	664558	50.20	ug/L	100
61) 1,2,3-Trichloropropane	10.278	75	157212	44.54	ug/L	99
62) 1,3,5-Trimethylbenzene	10.545	105	585907	51.72	ug/L	98
63) 1,2,4-Trimethylbenzene	10.921	105	599454	52.14	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	327350	48.21	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	333966	46.86	ug/L	99
67) 1,2-Dichlorobenzene	11.651	146	333414	47.37	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.432	75	54889	52.22	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	258988	48.44	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	214709	48.57	ug/L	98
71) Naphthalene	13.509	128	603187	52.37	ug/L	99
72) 1,2,3-Trichlorobenzene	13.750	180	220719	49.65	ug/L	98

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

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