

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031921\
 Data File : VW020692.D
 Acq On : 19 Mar 2021 16:34
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Manual Integrations
 APPROVED

MMDadoda
 3/23/2021 2:17:54 PM

Quant Time: Mar 22 14:32:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM031321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 20 00:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	382701	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	374370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.252	152	201976	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	158998	51.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.02%
7) Chloroethane-d5	1.571	69	113142	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.62%
11) 1,1-Dichloroethene-d2	2.111	63	264084	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	3.889	46	192515	97.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.17%
24) Chloroform-d	4.349	84	276501	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.06%
26) 1,2-Dichloroethane-d4	5.034	65	175129	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.050	84	516290	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
36) 1,2-Dichloropropane-d6	6.072	67	165318	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.92%
41) Toluene-d8	7.317	98	478543	52.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.12%
43) trans-1,3-Dichloroprop...	7.622	79	80199	51.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.70%
47) 2-Hexanone-d5	8.088	63	135816	109.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.69%
57) 1,1,2,2-Tetrachloroeth...	10.220	84	237180	57.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.70%
64) 1,2-Dichlorobenzene-d4	11.632	152	187132	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	153552	48.60	ug/L	100
3) Chloromethane	1.243	50	167559	45.84	ug/L	100
5) Vinyl chloride	1.314	62	167930	45.83	ug/L	97
6) Bromomethane	1.526	94	90426	41.89	ug/L	98
8) Chloroethane	1.587	64	91428	41.12	ug/L	100
9) Trichlorofluoromethane	1.754	101	226379	46.36	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	117637	44.18	ug/L	93
12) 1,1-Dichloroethene	2.121	96	107842	41.74	ug/L	85
13) Acetone	2.182	43	172532	106.61	ug/L	98
14) Carbon disulfide	2.294	76	339529	43.34	ug/L	98
15) Methyl Acetate	2.433	43	147384	47.55	ug/L	99
16) Methylene chloride	2.507	84	136094	45.46	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	123447	44.73	ug/L	96
18) Methyl tert-butyl Ether	2.770	73	384652	45.83	ug/L	100
19) 1,1-Dichloroethane	3.191	63	239320	45.45	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	137941m	48.41	ug/L	
22) 2-Butanone	3.973	43	219747	98.17	ug/L	93
23) Bromochloromethane	4.246	128	68688	48.32	ug/L	97
25) Chloroform	4.375	83	252880	45.98	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	202732	46.66	ug/L	98
29) Cyclohexane	4.677	56	205690	44.86	ug/L	98
30) 1,1,1-Trichloroethane	4.606	97	218351	48.26	ug/L	98
31) Carbon tetrachloride	4.831	117	186356	50.69	ug/L	98
33) Benzene	5.098	78	534456	47.31	ug/L	100
34) Trichloroethene	5.915	95	138357	43.41	ug/L	99
35) Methylcyclohexane	6.133	83	213109	48.65	ug/L	99
37) 1,2-Dichloropropane	6.175	63	141046	47.82	ug/L	99
38) Bromodichloromethane	6.510	83	187111	48.18	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	217443	49.70	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	415247	93.61	ug/L	97
42) Toluene	7.387	91	571967	48.50	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	212743	49.47	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	134519	48.95	ug/L	98
46) Tetrachloroethene	7.976	164	102586	50.17	ug/L	98
48) 2-Hexanone	8.140	43	335165	96.74	ug/L	99
49) Dibromochloromethane	8.249	129	141540	49.46	ug/L	99
50) 1,2-Dibromoethane	8.355	107	140219	47.64	ug/L #	99
51) Chlorobenzene	8.886	112	362807	47.57	ug/L	99
52) Ethylbenzene	9.014	91	637456	47.75	ug/L	100
53) m,p-Xylene	9.143	106	241816	49.60	ug/L	93
54) o-xylene	9.545	106	231078	48.96	ug/L	94
55) Styrene	9.564	104	421765	51.18	ug/L	94
56) Isopropylbenzene	9.934	105	626295	49.05	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.246	83	229218	56.16	ug/L	98
59) 1,2,3-Trichloropropane	10.278	75	176013	47.09	ug/L	99
61) Bromoform	9.735	173	97292	48.60	ug/L	99
62) 1,3-Dichlorobenzene	11.185	146	297838	46.43	ug/L	97
63) 1,4-Dichlorobenzene	11.278	146	304340	45.46	ug/L	97
65) 1,2-Dichlorobenzene	11.648	146	296817	46.49	ug/L	96
66) 1,2-Dibromo-3-chloropr...	12.432	75	47947	49.73	ug/L	90
67) 1,3,5-Trichlorobenzene	12.651	180	211502	46.30	ug/L	98
68) 1,2,4-trichlorobenzene	13.268	180	185330	46.73	ug/L	97
69) Naphthalene	13.509	128	614127	47.63	ug/L	100
70) 1,2,3-Trichlorobenzene	13.751	180	190535	48.47	ug/L	98

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

