

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031721\
 Data File : VW020646.D
 Acq On : 17 Mar 2021 10:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 11:27:29 AM

Quant Time: Mar 18 01:10:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM031321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 17 01:47:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	459483	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	453415	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.252	152	236427	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	147323	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.571	69	123240	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.12%
11) 1,1-Dichloroethene-d2	2.111	63	290893	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
21) 2-Butanone-d5	3.886	46	224979	94.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.349	84	290425	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.16%
26) 1,2-Dichloroethane-d4	5.031	65	193325	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
32) Benzene-d6	5.050	84	561743	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
36) 1,2-Dichloropropane-d6	6.069	67	183818	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	7.317	98	501321	45.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.06%
43) trans-1,3-Dichloroprop...	7.622	79	86734	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
47) 2-Hexanone-d5	8.088	63	141480	94.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.35%
57) 1,1,2,2-Tetrachloroeth...	10.220	84	243837	48.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.36%
64) 1,2-Dichlorobenzene-d4	11.628	152	203542	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	160392	42.28	ug/L	100
3) Chloromethane	1.243	50	201924	46.01	ug/L	99
5) Vinyl chloride	1.314	62	191908	43.62	ug/L	98
6) Bromomethane	1.523	94	116719	45.03	ug/L	98
8) Chloroethane	1.587	64	115101	43.11	ug/L	98
9) Trichlorofluoromethane	1.754	101	267305	45.59	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	140332	43.90	ug/L	94
12) 1,1-Dichloroethene	2.121	96	135549	43.70	ug/L	81
13) Acetone	2.182	43	211966	109.09	ug/L	100
14) Carbon disulfide	2.294	76	420916	44.75	ug/L	98
15) Methyl Acetate	2.433	43	173798	46.70	ug/L	98
16) Methylene chloride	2.507	84	161877	45.04	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	148717	44.88	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	458303	45.48	ug/L	100
19) 1,1-Dichloroethane	3.191	63	289033	45.72	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	163534m	47.81	ug/L	
22) 2-Butanone	3.970	43	265873	98.93	ug/L	94
23) Bromochloromethane	4.249	128	79968	46.85	ug/L	97
25) Chloroform	4.375	83	303423	45.95	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	239491	45.91	ug/L	98
29) Cyclohexane	4.677	56	256969	46.28	ug/L	97
30) 1,1,1-Trichloroethane	4.609	97	254638	46.47	ug/L	100
31) Carbon tetrachloride	4.828	117	208599	46.85	ug/L	97
33) Benzene	5.098	78	644899	47.14	ug/L	100
34) Trichloroethene	5.915	95	176453	45.71	ug/L	98
35) Methylcyclohexane	6.133	83	246269	46.42	ug/L	99
37) 1,2-Dichloropropane	6.175	63	167292	46.83	ug/L	100
38) Bromodichloromethane	6.510	83	218392	46.43	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	246691	46.56	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	502656	93.56	ug/L	96
42) Toluene	7.387	91	688160	48.18	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	249456	47.89	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	155358	46.67	ug/L	99
46) Tetrachloroethene	7.976	164	114394	46.19	ug/L	98
48) 2-Hexanone	8.140	43	401611	95.71	ug/L	98
49) Dibromochloromethane	8.249	129	160375	46.28	ug/L	99
50) 1,2-Dibromoethane	8.355	107	162028	45.45	ug/L	98
51) Chlorobenzene	8.883	112	423789	45.87	ug/L	99
52) Ethylbenzene	9.014	91	766707	47.42	ug/L	99
53) m,p-Xylene	9.140	106	279374	47.32	ug/L	99
54) o-xylene	9.548	106	274726	48.06	ug/L	94
55) Styrene	9.564	104	486240	48.72	ug/L	94
56) Isopropylbenzene	9.934	105	746467	48.27	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.246	83	240736	48.70	ug/L	100
59) 1,2,3-Trichloropropane	10.278	75	207886	45.92	ug/L	99
61) Bromoform	9.735	173	106935	45.64	ug/L	99
62) 1,3-Dichlorobenzene	11.185	146	337285	44.92	ug/L	98
63) 1,4-Dichlorobenzene	11.278	146	358166	45.71	ug/L	97
65) 1,2-Dichlorobenzene	11.648	146	338340	45.27	ug/L	98
66) 1,2-Dibromo-3-chloropr...	12.432	75	48486	42.96	ug/L	98
67) 1,3,5-Trichlorobenzene	12.651	180	238792	44.66	ug/L	99
68) 1,2,4-trichlorobenzene	13.268	180	208844	44.99	ug/L	99
69) Naphthalene	13.509	128	666350	44.15	ug/L	100
70) 1,2,3-Trichlorobenzene	13.754	180	207880	45.18	ug/L	98

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

