

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012821\
 Data File : VW020187.D
 Acq On : 27 Jan 2021 12:17
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Manual Integrations
 APPROVED

MMDadoda
 1/29/2021 11:58:36 AM

Quant Time: Jan 27 12:38:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM012821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 27 12:22:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	986594	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.858	117	962538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.257	152	507594	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.306	65	1076094	145.52	ug/L	0.00
7) Chloroethane-d5	1.569	69	682519	110.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.106	63	1658714	120.14	ug/L	0.00
21) 2-Butanone-d5	3.894	46	1469701	299.26	ug/L	0.00
24) Chloroform-d	4.351	84	1994250	147.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.035	65	1268165	135.57	ug/L	0.00
32) Benzene-d6	5.055	84	3795190	148.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.074	67	1139573	140.90	ug/L	0.00
41) Toluene-d8	7.322	98	3550631	147.51	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.624	79	649550	158.81	ug/L	0.00
47) 2-Hexanone-d5	8.093	63	1152519	327.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroeth...	10.222	84	1688857	151.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.633	152	1486973	149.87	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.129	85	1379278	167.59	ug/L	99
3) Chloromethane	1.241	50	1509682	181.79	ug/L	100
5) Vinyl chloride	1.312	62	1446160	171.21	ug/L	100
6) Bromomethane	1.521	94	720822	138.36	ug/L	97
8) Chloroethane	1.585	64	712344	131.14	ug/L	99
9) Trichlorofluoromethane	1.749	101	1661903	138.12	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.116	101	987247	149.20	ug/L #	84
12) 1,1-Dichloroethene	2.116	96	986898	154.92	ug/L #	68
13) Acetone	2.187	43	976911	247.33	ug/L	93
14) Carbon disulfide	2.293	76	2965600	157.61	ug/L	99
15) Methyl Acetate	2.434	43	1181609	153.28	ug/L	93
16) Methylene chloride	2.508	84	1176409	166.23	ug/L	88
17) trans-1,2-Dichloroethene	2.759	96	1144281	176.54	ug/L	91
18) Methyl tert-butyl Ether	2.772	73	3641517	173.02	ug/L	95
19) 1,1-Dichloroethane	3.190	63	2078500	167.71	ug/L	99
20) cis-1,2-Dichloroethene	3.913	96	1387198	199.03	ug/L	91
22) 2-Butanone	3.974	43	1963982	375.65	ug/L	96
23) Bromochloromethane	4.251	128	733599m	200.56	ug/L	
25) Chloroform	4.380	83	2398184	184.09	ug/L	98
27) 1,2-Dichloroethane	5.135	62	1914090	172.48	ug/L	97
29) Cyclohexane	4.682	56	1938538	183.36	ug/L	94
30) 1,1,1-Trichloroethane	4.611	97	2185091	191.21	ug/L	96
31) Carbon tetrachloride	4.833	117	1909619	193.47	ug/L	99
33) Benzene	5.103	78	5041574	183.26	ug/L	100
34) Trichloroethene	5.916	95	1368387	176.22	ug/L	92
35) Methylcyclohexane	6.135	83	1955298	176.39	ug/L	94
37) 1,2-Dichloropropane	6.177	63	1170878	162.20	ug/L #	97
38) Bromodichloromethane	6.511	83	1690801	170.27	ug/L	99
39) cis-1,3-Dichloropropene	7.029	75	2253448	201.51	ug/L	99
40) 4-Methyl-2-pentanone	7.232	43	3842835	357.82	ug/L	95
42) Toluene	7.392	91	5435535	184.71	ug/L	98
44) trans-1,3-Dichloropropene	7.653	75	2204938	202.29	ug/L	99

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

45) 1,1,2-Trichloroethane	7.842	97	1319960	179.55	ug/L	98
46) Tetrachloroethene	7.981	164	1148320	185.61	ug/L	94
48) 2-Hexanone	8.145	43	2948305	346.53	ug/L #	94
49) Dibromochloromethane	8.251	129	1457475	183.02	ug/L	97
50) 1,2-Dibromoethane	8.357	107	1353313	168.75	ug/L #	99
51) Chlorobenzene	8.887	112	3652581	183.32	ug/L	97
52) Ethylbenzene	9.016	91	6115989	185.26	ug/L	96
53) m,p-Xylene	9.141	106	2375416	196.52	ug/L	93
54) o-xylene	9.550	106	2317767	191.86	ug/L	92
55) Styrene	9.566	104	4128959	195.19	ug/L	96
56) Isopropylbenzene	9.936	105	6154579	188.62	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.247	83	2168055	196.13	ug/L	98
59) 1,2,3-Trichloropropane	10.280	75	1739824	179.28	ug/L	99
61) Bromoform	9.736	173	1284467	237.01	ug/L #	98
62) 1,3-Dichlorobenzene	11.186	146	2950822	191.26	ug/L	97
63) 1,4-Dichlorobenzene	11.280	146	2991071	185.35	ug/L	96
65) 1,2-Dichlorobenzene	11.649	146	2986700	186.71	ug/L	96
66) 1,2-Dibromo-3-chloropr...	12.437	75	568884	214.26	ug/L #	74
67) 1,3,5-Trichlorobenzene	12.653	180	2688041	221.08	ug/L	97
68) 1,2,4-trichlorobenzene	13.270	180	2538322	227.45	ug/L	97
69) Naphthalene	13.511	128	7466970	230.93	ug/L	99
70) 1,2,3-Trichlorobenzene	13.752	180	2492479	225.66	ug/L	98

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

