

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017611.D
 Acq On : 27 Jul 2020 10:54
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:26 AM

Quant Time: Jul 27 11:42:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:26:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	100254	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	561471	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	516765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	243008	33.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.90%
60) 4-Bromofluorobenzene	11.12	95	257995	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	8.70	98	673548	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	1237571	239.762	ug/l 95
3) Chloromethane	1.31	50	1227521	230.049	ug/l 98
4) Vinyl Chloride	1.39	62	1197969	218.039	ug/l 99
5) Bromomethane	1.62	94	645189	180.522	ug/l 96
6) Chloroethane	1.70	64	662011	191.526	ug/l 99
7) Trichlorofluoromethane	1.91	101	1732649	187.240	ug/l 99
8) Diethyl Ether	2.17	74	501883	161.752	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	743596	154.489	ug/l 99
10) 1,1-Dichloroethene	2.35	96	692789	147.078	ug/l 97
11) Methyl Iodide	2.49	142	1095847	193.184	ug/l 99
12) Methyl Acetate	2.75	43	1145224	171.454	ug/l 98
13) Acrolein	2.28	56	860593	991.232	ug/l 100
14) Acrylonitrile	3.12	53	2528227	854.386	ug/l 100
15) Acetone	2.42	58	656764	858.659	ug/l 98
16) Carbon Disulfide	2.54	76	1984430	156.812	ug/l 99
17) Allyl chloride	2.70	41	1417675	160.756	ug/l 97
18) Methylene Chloride	2.83	84	847243	146.884	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	797610	148.282	ug/l 98
20) Diisopropyl ether	3.83	45	2703195	154.167	ug/l 98
21) 1,1-Dichloroethane	3.67	63	1497865	154.034	ug/l 97
22) cis-1,2-Dichloroethene	4.57	96	910460	146.676	ug/l 99
23) tert-Butyl Alcohol	3.03	59	1153617	911.715	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	3056130	168.290	ug/l 98
25) Chloroform	5.18	83	1731119	164.472	ug/l 99
26) Cyclohexane	5.55	56	1485113	190.890	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	1194595	149.840	ug/l 97
30) 2-Butanone	4.64	43	3396548	775.495	ug/l 99
31) 2,2-Dichloropropane	4.55	77	1402348	138.772	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	1587244	152.055	ug/l 98
33) Carbon Tetrachloride	5.76	117	1444199	149.050	ug/l 98
34) Benzene	6.11	78	3442317	147.994	ug/l 97
35) Methacrylonitrile	5.01	41	773789	156.826	ug/l 96
36) 1,2-Dichloroethane	6.17	62	1446213	155.072	ug/l 100
37) Trichloroethene	7.19	130	1030001	143.581	ug/l 97
38) Methylcyclohexane	7.44	83	1548874	180.972	ug/l 99
39) 1,2-Dichloropropane	7.49	63	961356	155.115	ug/l 99
40) Dibromomethane	7.64	93	675459	151.116	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	1482033	157.469	ug/l #	94
42) Vinyl Acetate	3.79	43	10260973	632.873	ug/l	99
43) Ethyl Acetate	4.80	43	1199117	142.249	ug/l	100
44) Isopropyl Acetate	6.42	43	2279640	160.931	ug/l	99
45) 1,4-Dioxane	7.72	88	484407	3485.904	ug/l	97
46) Methyl methacrylate	7.75	41	1183076	171.774	ug/l	95
47) n-amyl Acetate	10.88	43	1884790	150.594	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	1671841	159.870	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	1698515	155.062	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	961291	146.424	ug/l	99
51) Ethyl methacrylate	9.16	69	1564432	161.317	ug/l	99
52) 1,3-Dichloropropane	9.35	76	1583413	149.099	ug/l	99
53) Dibromochloromethane	9.57	129	1243808	156.329	ug/l	99
54) 1,2-Dibromoethane	9.65	107	1044102	149.339	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	3872911	849.817	ug/l	99
56) Bromoform	10.84	173	961496	153.203	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	7059818	803.280	ug/l	99
59) 2-Hexanone	9.48	43	5156564	802.856	ug/l	99
61) Tetrachloroethene	9.32	164	969405	141.195	ug/l	98
62) Toluene	8.77	91	3839709	148.746	ug/l	99
64) Chlorobenzene	10.12	112	2539575	151.884	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	1058997	152.890	ug/l	98
66) Ethyl Benzene	10.24	91	4229978	149.025	ug/l	98
67) m/p-Xylenes	10.34	106	3217556	295.446	ug/l	95
68) o-Xylene	10.68	106	1619342	154.539	ug/l	96
69) Styrene	10.70	104	2857978	154.332	ug/l	99
70) Isopropylbenzene	11.00	105	4538625	154.234	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	1296077	144.830	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	1218775m	138.101	ug/l	
73) Bromobenzene	11.24	156	1200590	146.828	ug/l	99
74) n-propylbenzene	11.35	91	5652546	168.359	ug/l	99
75) 2-Chlorotoluene	11.41	91	3149243	154.950	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	4078420	165.263	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	523909	150.817	ug/l	97
78) 4-Chlorotoluene	11.49	91	3806789	158.390	ug/l	100
79) tert-butylbenzene	11.76	119	3822349	159.384	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	4174945	168.140	ug/l	100
81) sec-Butylbenzene	11.93	105	4591525	165.720	ug/l	99
82) p-Isopropyltoluene	12.05	119	4184860	158.712	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	2251380	155.771	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	2267122	154.743	ug/l	100
85) n-Butylbenzene	12.37	91	3820368	166.526	ug/l	98
86) Hexachloroethane	12.58	117	889515	172.304	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	2125753	151.336	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	377250	170.468	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	1714906	171.808	ug/l	99
90) Hexachlorobutadiene	13.77	225	769405	188.884	ug/l	97
91) Naphthalene	13.82	128	5237863	172.289	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	1624408	165.512	ug/l	97

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

