

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015990.D
 Acq On : 30 Apr 2020 11:39
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:14 PM

Quant Time: Apr 30 12:45:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49636	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	274164	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	256136	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	111937	28.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.43%
60) 4-Bromofluorobenzene	11.12	95	130802	30.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.53%
63) Toluene-d8	8.70	98	327826	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	374398	127.787	ug/l 99
3) Chloromethane	1.31	50	343578	107.363	ug/l 98
4) Vinyl Chloride	1.39	62	394569	120.892	ug/l 99
5) Bromomethane	1.62	94	199549	108.691	ug/l 97
6) Chloroethane	1.70	64	255915	123.622	ug/l 97
7) Trichlorofluoromethane	1.91	101	566315	121.934	ug/l 99
8) Diethyl Ether	2.17	74	221302	123.461	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	287074	105.381	ug/l 99
10) 1,1-Dichloroethene	2.36	96	290464	105.255	ug/l 98
11) Methyl Iodide	2.49	142	426057	116.262	ug/l 100
12) Methyl Acetate	2.75	43	522299	118.657	ug/l 100
13) Acrolein	2.27	56	203380	440.104	ug/l 100
14) Acrylonitrile	3.12	53	947896	546.320	ug/l 99
15) Acetone	2.42	58	248323	556.530	ug/l 99
16) Carbon Disulfide	2.55	76	876494	107.090	ug/l 99
17) Allyl chloride	2.70	41	540279	93.180	ug/l 98
18) Methylene Chloride	2.84	84	324565	105.100	ug/l 95
19) trans-1,2-Dichloroethene	3.14	96	322971	108.015	ug/l 97
20) Diisopropyl ether	3.82	45	1057708	100.006	ug/l 92
21) 1,1-Dichloroethane	3.67	63	583803	104.073	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	363159	106.214	ug/l 99
23) tert-Butyl Alcohol	3.03	59	461813m	543.289	ug/l
24) Methyl tert-Butyl Ether	3.17	73	1057281	105.088	ug/l 98
25) Chloroform	5.18	83	588926	104.955	ug/l 96
26) Cyclohexane	5.55	56	538131	101.385	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	452287	108.182	ug/l 99
30) 2-Butanone	4.64	43	1351959	542.891	ug/l 99
31) 2,2-Dichloropropane	4.55	77	539276	107.263	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	548065	107.895	ug/l 99
33) Carbon Tetrachloride	5.76	117	484966	105.355	ug/l 99
34) Benzene	6.12	78	1314848	108.682	ug/l 98
35) Methacrylonitrile	5.01	41	282317	102.377	ug/l 98
36) 1,2-Dichloroethane	6.17	62	496273	107.373	ug/l 99
37) Trichloroethene	7.19	130	440111	115.384	ug/l 99
38) Methylcyclohexane	7.44	83	552222	108.208	ug/l 99
39) 1,2-Dichloropropane	7.49	63	335384	105.115	ug/l 98
40) Dibromomethane	7.64	93	234116	108.100	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	489018	106.635	ug/l	98
42) Vinyl Acetate	3.79	43	4487994	508.763	ug/l	99
43) Ethyl Acetate	4.80	43	533800	99.481	ug/l	100
44) Isopropyl Acetate	6.42	43	861950	102.360	ug/l	99
45) 1,4-Dioxane	7.71	88	177264	2181.266	ug/l	99
46) Methyl methacrylate	7.75	41	414658	100.664	ug/l	96
47) n-amyl Acetate	10.88	43	768726	105.043	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	573557	108.172	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	582725	106.334	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	333266	108.581	ug/l	97
51) Ethyl methacrylate	9.16	69	568411	109.665	ug/l	98
52) 1,3-Dichloropropane	9.35	76	569084	107.223	ug/l	99
53) Dibromochloromethane	9.57	129	386270	105.028	ug/l	99
54) 1,2-Dibromoethane	9.66	107	364156	109.445	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	1436220	566.976	ug/l	100
56) Bromoform	10.84	173	301301	103.023	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	2650578	544.034	ug/l	98
59) 2-Hexanone	9.48	43	2064962	553.311	ug/l	98
61) Tetrachloroethene	9.32	164	510373	127.649	ug/l	98
62) Toluene	8.77	91	1422743	108.526	ug/l	99
64) Chlorobenzene	10.12	112	913078	108.350	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	349461	104.195	ug/l	98
66) Ethyl Benzene	10.24	91	1629167	109.212	ug/l	98
67) m/p-Xylenes	10.34	106	1248350	219.851	ug/l	98
68) o-Xylene	10.68	106	607726	110.373	ug/l	98
69) Styrene	10.70	104	1069151	112.325	ug/l	100
70) Isopropylbenzene	11.01	105	1613718	109.763	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	360056	92.625	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	485189m	108.482	ug/l	
73) Bromobenzene	11.24	156	409232	105.574	ug/l	99
74) n-propylbenzene	11.35	91	1894888	112.023	ug/l	99
75) 2-Chlorotoluene	11.41	91	1107857	108.972	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1397792	111.501	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	218148	113.722	ug/l	95
78) 4-Chlorotoluene	11.49	91	1328738	112.199	ug/l	99
79) tert-butylbenzene	11.76	119	1194776	100.852	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1394263	110.420	ug/l	99
81) sec-Butylbenzene	11.93	105	1609793	111.628	ug/l	99
82) p-Isopropyltoluene	12.05	119	1496713	110.600	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	747363	107.325	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	741465	107.028	ug/l	100
85) n-Butylbenzene	12.37	91	1380244	113.966	ug/l	99
86) Hexachloroethane	12.58	117	270773	107.460	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	718548	106.129	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	128262	106.384	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	533658	100.380	ug/l	99
90) Hexachlorobutadiene	13.77	225	222118	83.086	ug/l	96
91) Naphthalene	13.82	128	1693796	107.840	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	516768	99.461	ug/l	96

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

