

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015459.D
 Acq On : 01 Apr 2020 11:08
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 02 09:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	192188	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	1107391	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	991533	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	475659	31.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.57%
60) 4-Bromofluorobenzene	11.12	95	523361	30.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.80%
63) Toluene-d8	8.70	98	1310911	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	193234	21.054	ug/l 97
3) Chloromethane	1.31	50	226051	19.957	ug/l 99
4) Vinyl Chloride	1.39	62	235057	21.572	ug/l 100
5) Bromomethane	1.64	94	139348	24.022	ug/l 100
6) Chloroethane	1.72	64	147314	21.669	ug/l 95
7) Trichlorofluoromethane	1.92	101	355702	22.842	ug/l 99
8) Diethyl Ether	2.17	74	134405	22.433	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	237331	23.036	ug/l 96
10) 1,1-Dichloroethene	2.36	96	231793	22.150	ug/l 96
11) Methyl Iodide	2.49	142	264429	19.015	ug/l 94
12) Methyl Acetate	2.75	43	327140	21.364	ug/l 98
13) Acrolein	2.27	56	210385	105.614	ug/l 94
14) Acrylonitrile	3.11	53	704510	107.466	ug/l 99
15) Acetone	2.42	58	215242	129.122	ug/l 90
16) Carbon Disulfide	2.55	76	685411	22.405	ug/l 99
17) Allyl chloride	2.70	41	520763	22.041	ug/l 97
18) Methylene Chloride	2.83	84	259897	22.121	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	251443	22.212	ug/l 98
20) Diisopropyl ether	3.83	45	951447	22.453	ug/l 89
21) 1,1-Dichloroethane	3.67	63	486405	22.487	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	289645	22.210	ug/l 100
23) tert-Butyl Alcohol	3.01	59	342700	106.277	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	846823	21.795	ug/l 100
25) Chloroform	5.17	83	476381	22.280	ug/l 97
26) Cyclohexane	5.54	56	459365	22.227	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	367271	22.075	ug/l 98
30) 2-Butanone	4.63	43	1089479	109.237	ug/l 99
31) 2,2-Dichloropropane	4.55	77	453086	22.630	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	432717	21.317	ug/l 98
33) Carbon Tetrachloride	5.75	117	386337	20.885	ug/l 99
34) Benzene	6.11	78	1038175	21.651	ug/l 100
35) Methacrylonitrile	5.00	41	237932	21.037	ug/l 96
36) 1,2-Dichloroethane	6.16	62	408458	22.044	ug/l 100
37) Trichloroethene	7.18	130	288921	21.399	ug/l 97
38) Methylcyclohexane	7.44	83	449024	22.016	ug/l 99
39) 1,2-Dichloropropane	7.49	63	276177	21.443	ug/l 96
40) Dibromomethane	7.64	93	178768	20.853	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	395991	21.254	ug/l	97
42) Vinyl Acetate	3.78	43	4243266	112.285	ug/l	99
43) Ethyl Acetate	4.79	43	405605	18.696	ug/l	100
44) Isopropyl Acetate	6.41	43	721889	20.676	ug/l	99
45) 1,4-Dioxane	7.73	88	134594	418.461	ug/l	96
46) Methyl methacrylate	7.75	41	353850	20.309	ug/l	98
47) n-amyl Acetate	10.88	43	613432	20.377	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	453166	21.070	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	481415	21.685	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	261858	21.284	ug/l	99
51) Ethyl methacrylate	9.16	69	429616	20.304	ug/l	99
52) 1,3-Dichloropropane	9.36	76	454571	21.392	ug/l	98
53) Dibromochloromethane	9.56	129	308274	20.327	ug/l	99
54) 1,2-Dibromoethane	9.65	107	278058	21.063	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	1064649	106.534	ug/l	99
56) Bromoform	10.84	173	231180	18.539	ug/l #	96
58) 4-Methyl-2-Pentanone	8.62	43	2056442	108.367	ug/l	99
59) 2-Hexanone	9.47	43	1615152	111.878	ug/l	100
61) Tetrachloroethene	9.32	164	275122	21.587	ug/l	96
62) Toluene	8.76	91	1108818	22.078	ug/l	99
64) Chlorobenzene	10.12	112	702303	21.750	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.20	131	276198	20.932	ug/l	99
66) Ethyl Benzene	10.23	91	1286017	22.415	ug/l	99
67) m/p-Xylenes	10.34	106	946873	43.604	ug/l	99
68) o-Xylene	10.68	106	456381	21.502	ug/l	99
69) Styrene	10.70	104	793868	21.467	ug/l	99
70) Isopropylbenzene	11.00	105	1250171	22.218	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	379819	20.826	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	376811m	22.081	ug/l	
73) Bromobenzene	11.24	156	308519	20.426	ug/l	95
74) n-propylbenzene	11.34	91	1473759	22.835	ug/l	99
75) 2-Chlorotoluene	11.40	91	862370	21.969	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	1054752	21.828	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	147414	20.046	ug/l	94
78) 4-Chlorotoluene	11.50	91	1025912	22.591	ug/l	99
79) tert-butylbenzene	11.76	119	1044623	21.630	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1059975	21.654	ug/l	99
81) sec-Butylbenzene	11.93	105	1226747	22.143	ug/l	99
82) p-Isopropyltoluene	12.05	119	1143118	21.892	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	580890	21.388	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	587089	21.660	ug/l	100
85) n-Butylbenzene	12.37	91	1063113	22.842	ug/l	99
86) Hexachloroethane	12.58	117	209585	20.768	ug/l	91
87) 1,2-Dichlorobenzene	12.38	146	558651	21.083	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	95710	19.924	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	437698	20.505	ug/l	96
90) Hexachlorobutadiene	13.77	225	219511	19.521	ug/l	94
91) Naphthalene	13.82	128	1295003	20.951	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	419197	19.769	ug/l	99

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

