

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017345.D
 Acq On : 10 Jul 2020 18:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 11 00:51:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	53045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	280089	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	271479	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	115288	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	11.12	95	136429	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	8.70	98	344529	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	44214	19.068	ug/l 96
3) Chloromethane	1.31	50	47900	19.390	ug/l 94
4) Vinyl Chloride	1.39	62	49710	19.529	ug/l 98
5) Bromomethane	1.63	94	35670	21.024	ug/l 98
6) Chloroethane	1.72	64	31418	18.667	ug/l 96
7) Trichlorofluoromethane	1.92	101	87428	19.335	ug/l 96
8) Diethyl Ether	2.17	74	29788	18.569	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49248	19.919	ug/l 99
10) 1,1-Dichloroethene	2.36	96	47944	19.669	ug/l 94
11) Methyl Iodide	2.49	142	49226	17.150	ug/l 99
12) Methyl Acetate	2.75	43	67574	19.895	ug/l 98
13) Acrolein	2.28	56	51451	117.141	ug/l 97
14) Acrylonitrile	3.12	53	146782	95.782	ug/l 99
15) Acetone	2.42	58	38852	100.527	ug/l 87
16) Carbon Disulfide	2.55	76	129798	19.632	ug/l 98
17) Allyl chloride	2.71	41	85396	18.831	ug/l 94
18) Methylene Chloride	2.84	84	56988	18.981	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	53409	18.740	ug/l 95
20) Diisopropyl ether	3.82	45	176761	19.496	ug/l 97
21) 1,1-Dichloroethane	3.67	63	99025	19.486	ug/l 97
22) cis-1,2-Dichloroethene	4.57	96	61853	19.023	ug/l 97
23) tert-Butyl Alcohol	3.01	59	62652	99.078	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	177977	19.125	ug/l 99
25) Chloroform	5.18	83	106017	19.580	ug/l 98
26) Cyclohexane	5.55	56	79503	20.081	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	74432	19.271	ug/l 98
30) 2-Butanone	4.64	43	210053	99.426	ug/l 100
31) 2,2-Dichloropropane	4.55	77	80359	16.607	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	97020	19.294	ug/l 97
33) Carbon Tetrachloride	5.76	117	88069	18.992	ug/l 97
34) Benzene	6.11	78	220819	19.214	ug/l 99
35) Methacrylonitrile	5.01	41	46346	19.594	ug/l 96
36) 1,2-Dichloroethane	6.17	62	87310	19.290	ug/l 99
37) Trichloroethene	7.19	130	65115	18.837	ug/l 99
38) Methylcyclohexane	7.44	83	79292	19.481	ug/l 98
39) 1,2-Dichloropropane	7.49	63	57681	19.207	ug/l 93
40) Dibromomethane	7.64	93	41542	19.202	ug/l 99

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41) Bromodichloromethane	7.88	83	85553	18.948	ug/l	99
42) Vinyl Acetate	3.79	43	758993	94.009	ug/l	100
43) Ethyl Acetate	4.80	43	79307	19.084	ug/l	99
44) Isopropyl Acetate	6.42	43	131585	19.031	ug/l	99
45) 1,4-Dioxane	7.71	88	24983	379.076	ug/l #	95
46) Methyl methacrylate	7.74	41	64570	19.171	ug/l	96
47) n-amyl Acetate	10.88	43	116963	19.105	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	90373	18.131	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	97781	18.747	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	60480	18.870	ug/l	96
51) Ethyl methacrylate	9.16	69	86263	18.473	ug/l	95
52) 1,3-Dichloropropane	9.35	76	99722	19.100	ug/l	100
53) Dibromochloromethane	9.56	129	71367	18.241	ug/l	96
54) 1,2-Dibromoethane	9.65	107	65922	19.236	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	236456	105.497	ug/l	99
56) Bromoform	10.84	173	56082	18.375	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	419215	97.455	ug/l	100
59) 2-Hexanone	9.47	43	316799	96.610	ug/l	99
61) Tetrachloroethene	9.32	164	65656	18.985	ug/l	99
62) Toluene	8.77	91	244693	19.039	ug/l	100
64) Chlorobenzene	10.12	112	161921	18.883	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	65002	18.554	ug/l	100
66) Ethyl Benzene	10.23	91	272229	18.823	ug/l	100
67) m/p-Xylenes	10.34	106	211344	37.826	ug/l	98
68) o-Xylene	10.68	106	99763	18.789	ug/l	96
69) Styrene	10.70	104	176475	18.741	ug/l	98
70) Isopropylbenzene	11.00	105	278757	19.139	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	87402	19.135	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	86817m	19.349	ug/l	
73) Bromobenzene	11.24	156	75654	18.488	ug/l	99
74) n-propylbenzene	11.34	91	315626	18.707	ug/l	99
75) 2-Chlorotoluene	11.40	91	192071	18.673	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	236990	18.966	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	30850	18.032	ug/l	93
78) 4-Chlorotoluene	11.49	91	225334	18.480	ug/l	99
79) tert-butylbenzene	11.76	119	230307	18.994	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	238460	18.916	ug/l	99
81) sec-Butylbenzene	11.93	105	263632	18.863	ug/l	100
82) p-Isopropyltoluene	12.05	119	250749	18.974	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	139712	18.972	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	139624	18.738	ug/l	98
85) n-Butylbenzene	12.37	91	208318	18.655	ug/l	99
86) Hexachloroethane	12.58	117	46926	18.355	ug/l	97
87) 1,2-Dichlorobenzene	12.37	146	130420	18.520	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21197	19.154	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	89718	18.785	ug/l	99
90) Hexachlorobutadiene	13.76	225	37129	19.379	ug/l	99
91) Naphthalene	13.82	128	288754	19.720	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	90959	19.148	ug/l	98

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

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