

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015470.D
 Acq On : 01 Apr 2020 16:53
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Apr 02 09:56:16 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	186471	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1080587	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	981034	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	471028	32.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.77%
60) 4-Bromofluorobenzene	11.12	95	516579	30.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.57%
63) Toluene-d8	8.70	98	1270005	30.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	152334	17.107 ug/l	98
3) Chloromethane	1.31	50	195310	17.771 ug/l	95
4) Vinyl Chloride	1.39	62	189939	17.965 ug/l	100
5) Bromomethane	1.63	94	132266	23.500 ug/l	94
6) Chloroethane	1.72	64	130579	19.797 ug/l	98
7) Trichlorofluoromethane	1.92	101	282677	18.709 ug/l	93
8) Diethyl Ether	2.17	74	109135	18.774 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	189533	18.960 ug/l	95
10) 1,1-Dichloroethene	2.36	96	192466	18.956 ug/l	94
11) Methyl Iodide	2.49	142	216436	16.041 ug/l	96
12) Methyl Acetate	2.75	43	294357	19.812 ug/l	97
13) Acrolein	2.27	56	242196	125.310 ug/l	94
14) Acrylonitrile	3.12	53	641078	100.788 ug/l	99
15) Acetone	2.42	58	160947	99.511 ug/l	88
16) Carbon Disulfide	2.55	76	568930	19.168 ug/l	99
17) Allyl chloride	2.71	41	434479	18.953 ug/l	99
18) Methylene Chloride	2.84	84	224947	19.733 ug/l	99
19) trans-1,2-Dichloroethene	3.14	96	212312	19.330 ug/l	99
20) Diisopropyl ether	3.83	45	806849	19.624 ug/l	97
21) 1,1-Dichloroethane	3.67	63	410580	19.563 ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	242015	19.127 ug/l	98
23) tert-Butyl Alcohol	3.01	59	282130	90.176 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	732218	19.423 ug/l	99
25) Chloroform	5.19	83	402761	19.415 ug/l	98
26) Cyclohexane	5.55	56	375244	18.713 ug/l	# 100
29) 1,1-Dichloropropene	5.78	75	307605	18.947 ug/l	98
30) 2-Butanone	4.64	43	940620	96.651 ug/l	100
31) 2,2-Dichloropropane	4.56	77	369272	18.902 ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	371766	18.769 ug/l	100
33) Carbon Tetrachloride	5.76	117	321253	17.797 ug/l	99
34) Benzene	6.12	78	872909	18.656 ug/l	99
35) Methacrylonitrile	5.01	41	213321	19.329 ug/l	96
36) 1,2-Dichloroethane	6.17	62	355487	19.661 ug/l	99
37) Trichloroethene	7.19	130	240464	18.252 ug/l	96
38) Methylcyclohexane	7.44	83	360544	18.116 ug/l	98
39) 1,2-Dichloropropane	7.50	63	233420	18.573 ug/l	98
40) Dibromomethane	7.64	93	154988	18.527 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	330896	18.201	ug/l	99
42) Vinyl Acetate	3.79	43	3667376	99.453	ug/l	99
43) Ethyl Acetate	4.80	43	380846	17.990	ug/l	98
44) Isopropyl Acetate	6.42	43	642519	18.859	ug/l	99
45) 1,4-Dioxane	7.72	88	99667	317.557	ug/l	96
46) Methyl methacrylate	7.75	41	321686	18.921	ug/l	99
47) n-amyl Acetate	10.89	43	550349	18.735	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	378784	18.048	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	395007	18.234	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	221054	18.414	ug/l	93
51) Ethyl methacrylate	9.16	69	378129	18.314	ug/l	97
52) 1,3-Dichloropropane	9.36	76	393399	18.972	ug/l	99
53) Dibromochloromethane	9.57	129	261260	17.654	ug/l	100
54) 1,2-Dibromoethane	9.65	107	239292	18.576	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	918161	94.155	ug/l	99
56) Bromoform	10.84	173	195435	16.061	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	1872572	99.734	ug/l	99
59) 2-Hexanone	9.48	43	1388043	97.175	ug/l	100
61) Tetrachloroethene	9.32	164	228012	18.082	ug/l	97
62) Toluene	8.77	91	939265	18.902	ug/l	99
64) Chlorobenzene	10.12	112	593640	18.582	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	230081	17.624	ug/l	99
66) Ethyl Benzene	10.24	91	1097927	19.341	ug/l	99
67) m/p-Xylenes	10.34	106	798019	37.142	ug/l	99
68) o-Xylene	10.68	106	383348	18.254	ug/l	98
69) Styrene	10.70	104	675079	18.450	ug/l	99
70) Isopropylbenzene	11.00	105	1051382	18.885	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	341458	18.923	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	318114m	18.841	ug/l	
73) Bromobenzene	11.24	156	268210	17.947	ug/l	97
74) n-propylbenzene	11.35	91	1219592	19.099	ug/l	99
75) 2-Chlorotoluene	11.40	91	733297	18.881	ug/l	97
76) 1,3,5-Trimethylbenzene	11.49	105	883428	18.478	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	122707	16.865	ug/l	91
78) 4-Chlorotoluene	11.49	91	863883	19.227	ug/l	99
79) tert-butylbenzene	11.76	119	856431	17.923	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	900029	18.583	ug/l	100
81) sec-Butylbenzene	11.93	105	1011363	18.451	ug/l	99
82) p-Isopropyltoluene	12.05	119	948851	18.366	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	492925	18.343	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	492081	18.349	ug/l	99
85) n-Butylbenzene	12.37	91	846485	18.382	ug/l	100
86) Hexachloroethane	12.58	117	167538	16.779	ug/l	92
87) 1,2-Dichlorobenzene	12.38	146	460268	17.556	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	83383	17.544	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	365419	17.302	ug/l	96
90) Hexachlorobutadiene	13.77	225	146259	13.146	ug/l	99
91) Naphthalene	13.82	128	1123172	18.366	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	353126	16.831	ug/l	98

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

