

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017324.D
 Acq On : 10 Jul 2020 10:16
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 11 00:45:28 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	56416	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	295453	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	275524	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	123306	30.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.37%
60) 4-Bromofluorobenzene	11.12	95	141124	30.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.07%
63) Toluene-d8	8.70	98	363355	31.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	57408	23.278 ug/l	98
3) Chloromethane	1.32	50	59251	22.552 ug/l	100
4) Vinyl Chloride	1.39	62	59559	22.000 ug/l	100
5) Bromomethane	1.64	94	42640	23.631 ug/l	99
6) Chloroethane	1.71	64	37955	21.203 ug/l	99
7) Trichlorofluoromethane	1.92	101	109398	22.748 ug/l	95
8) Diethyl Ether	2.17	74	36814	21.578 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59422	22.598 ug/l	97
10) 1,1-Dichloroethene	2.35	96	54744	21.116 ug/l	100
11) Methyl Iodide	2.49	142	66193	21.683 ug/l	99
12) Methyl Acetate	2.75	43	76360	21.139 ug/l	96
13) Acrolein	2.27	56	50450	107.999 ug/l	99
14) Acrylonitrile	3.11	53	168917	103.640 ug/l	99
15) Acetone	2.42	58	38502	93.669 ug/l	90
16) Carbon Disulfide	2.55	76	156664	22.279 ug/l	99
17) Allyl chloride	2.70	41	102253	21.201 ug/l	94
18) Methylene Chloride	2.83	84	68518	21.458 ug/l	98
19) trans-1,2-Dichloroethene	3.14	96	67399	22.235 ug/l	100
20) Diisopropyl ether	3.82	45	210630	21.844 ug/l	92
21) 1,1-Dichloroethane	3.67	63	118005	21.834 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	74949	21.673 ug/l	99
23) tert-Butyl Alcohol	3.01	59	65121	96.829 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	211965	21.416 ug/l	100
25) Chloroform	5.17	83	125469	21.788 ug/l	93
26) Cyclohexane	5.54	56	96149	22.835 ug/l	# 100
29) 1,1-Dichloropropene	5.77	75	91788	22.529 ug/l	98
30) 2-Butanone	4.63	43	222379	99.787 ug/l	99
31) 2,2-Dichloropropane	4.54	77	112082	21.958 ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	118252	22.293 ug/l	97
33) Carbon Tetrachloride	5.75	117	106394	21.751 ug/l	96
34) Benzene	6.11	78	261370	21.559 ug/l	97
35) Methacrylonitrile	4.99	41	48842	19.575 ug/l	92
36) 1,2-Dichloroethane	6.16	62	101303	21.218 ug/l	100
37) Trichloroethene	7.19	130	79773	21.878 ug/l	96
38) Methylcyclohexane	7.44	83	96910	22.572 ug/l	100
39) 1,2-Dichloropropane	7.49	63	68339	21.573 ug/l	98
40) Dibromomethane	7.63	93	47440	20.787 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	100290	21.057	ug/l	99
42) Vinyl Acetate	3.78	43	898293	105.477	ug/l	100
43) Ethyl Acetate	4.79	43	86600	19.756	ug/l	100
44) Isopropyl Acetate	6.40	43	146415	20.075	ug/l	99
45) 1,4-Dioxane	7.71	88	26236	377.387	ug/l	96
46) Methyl methacrylate	7.74	41	70399	19.814	ug/l	97
47) n-amyl Acetate	10.88	43	124366	19.258	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	106999	20.350	ug/l	98
49) cis-1,3-Dichloropropene	8.41	75	116289	21.136	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	72100	21.325	ug/l	96
51) Ethyl methacrylate	9.16	69	97675	19.829	ug/l	96
52) 1,3-Dichloropropane	9.35	76	115880	21.041	ug/l	99
53) Dibromochloromethane	9.56	129	85011	20.598	ug/l	98
54) 1,2-Dibromoethane	9.65	107	74693	20.662	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	267630	111.828	ug/l	99
56) Bromoform	10.84	173	63810	19.820	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	451271	103.367	ug/l	99
59) 2-Hexanone	9.47	43	342415	102.888	ug/l	99
61) Tetrachloroethene	9.32	164	80757	23.008	ug/l	98
62) Toluene	8.76	91	286304	21.950	ug/l	99
64) Chlorobenzene	10.12	112	183327	21.066	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	76943	21.640	ug/l	97
66) Ethyl Benzene	10.23	91	313831	21.381	ug/l	98
67) m/p-Xylenes	10.34	106	247247	43.602	ug/l	97
68) o-Xylene	10.68	106	114855	21.314	ug/l	97
69) Styrene	10.69	104	203690	21.314	ug/l	99
70) Isopropylbenzene	11.00	105	317452	21.476	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	97451	21.022	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	97269m	21.360	ug/l	
73) Bromobenzene	11.24	156	89908	21.649	ug/l	95
74) n-propylbenzene	11.34	91	372968	21.781	ug/l	99
75) 2-Chlorotoluene	11.40	91	223941	21.452	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	274682	21.660	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	34823	20.055	ug/l	96
78) 4-Chlorotoluene	11.49	91	266007	21.495	ug/l	100
79) tert-butylbenzene	11.76	119	264718	21.512	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	281346	21.990	ug/l	99
81) sec-Butylbenzene	11.93	105	310181	21.868	ug/l	99
82) p-Isopropyltoluene	12.05	119	294292	21.942	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	160764	21.510	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	158381	20.943	ug/l	99
85) n-Butylbenzene	12.37	91	245976	21.704	ug/l	99
86) Hexachloroethane	12.58	117	56418	21.744	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	150875	21.110	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	22187	19.754	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	101249	20.888	ug/l	97
90) Hexachlorobutadiene	13.77	225	44105	22.683	ug/l	98
91) Naphthalene	13.82	128	302164	20.332	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	99938	20.730	ug/l	96

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

