

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021617.D
 Acq On : 30 Mar 2021 09:42
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 6:59:28 PM

Quant Time: Mar 31 04:38:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.976	128	14360	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	76773	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	71244	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	38698	28.86	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.20%		
60) 4-Bromofluorobenzene	11.118	95	36855	29.41	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.03%		
63) Toluene-d8	8.694	98	97564	30.48	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	25706	19.24	ug/l	95
3) Chloromethane	1.311	50	22525	18.46	ug/l	97
4) Vinyl Chloride	1.393	62	19887	18.34	ug/l	98
5) Bromomethane	1.623	94	9537	21.88	ug/l	97
6) Chloroethane	1.705	64	11702	18.08	ug/l	95
7) Trichlorofluoromethane	1.911	101	30664	18.84	ug/l	99
8) Diethyl Ether	2.170	74	9612	17.95	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.364	101	16427	18.20	ug/l	98
10) 1,1-Dichloroethene	2.352	96	15670	18.32	ug/l	88
11) Methyl Iodide	2.487	142	12350	17.33	ug/l	86
12) Methyl Acetate	2.746	43	31960	18.28	ug/l #	88
13) Acrolein	2.270	56	14430	87.54	ug/l	98
14) Acrylonitrile	3.111	53	45733	83.91	ug/l	98
15) Acetone	2.423	58	13651	94.54	ug/l	76
16) Carbon Disulfide	2.546	76	42195	17.65	ug/l	100
17) Allyl chloride	2.705	41	29662	17.88	ug/l	86
18) Methylene Chloride	2.834	84	18430	18.23	ug/l	91
19) trans-1,2-Dichloroethene	3.140	96	16848	18.23	ug/l	88
20) Diisopropyl ether	3.823	45	58430	17.63	ug/l	96
21) 1,1-Dichloroethane	3.670	63	32264	17.90	ug/l	95
22) cis-1,2-Dichloroethene	4.558	96	18840	17.63	ug/l	89
23) tert-Butyl Alcohol	3.011	59	18546	80.18	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	54357	17.36	ug/l #	84
25) Chloroform	5.170	83	34647	18.09	ug/l	98
26) Cyclohexane	5.541	56	27632	17.75	ug/l #	88
29) 1,1-Dichloropropene	5.764	75	24186	18.67	ug/l	96
30) 2-Butanone	4.629	43	68093	89.95	ug/l	92
31) 2,2-Dichloropropane	4.541	77	27085	18.75	ug/l	96
32) 1,1,1-Trichloroethane	5.452	97	30532	19.07	ug/l	95
33) Carbon Tetrachloride	5.753	117	26741	18.85	ug/l	98
34) Benzene	6.106	78	69307	18.75	ug/l	97
35) Methacrylonitrile	4.999	41	14960	17.97	ug/l	89
36) 1,2-Dichloroethane	6.153	62	30085	19.02	ug/l #	93
37) Trichloroethene	7.182	130	18587	19.38	ug/l	92
38) Methylcyclohexane	7.435	83	27176	18.94	ug/l	91
39) 1,2-Dichloropropane	7.482	63	18664	18.92	ug/l	98
40) Dibromomethane	7.629	93	13617	18.91	ug/l	91
41) Bromodichloromethane	7.870	83	27700	18.70	ug/l	99
42) Vinyl Acetate	3.782	43	232051	89.26	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	26426	18.33	ug/l	99
44) Isopropyl Acetate	6.406	43	42225	17.50	ug/l	92
45) 1,4-Dioxane	7.712	88	8317	346.42	ug/l #	83
46) Methyl methacrylate	7.741	41	22826	17.25	ug/l	82
47) n-amyl Acetate	10.877	43	35924	17.22	ug/l	95
48) t-1,3-Dichloropropene	9.018	75	26838	17.97	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	29596	18.51	ug/l #	83
50) 1,1,2-Trichloroethane	9.194	97	17938	18.55	ug/l	97
51) Ethyl methacrylate	9.159	69	24602	17.40	ug/l	82
52) 1,3-Dichloropropane	9.347	76	30495	18.44	ug/l	99
53) Dibromochloromethane	9.565	129	20204	18.32	ug/l	99
54) 1,2-Dibromoethane	9.653	107	19291	18.57	ug/l	100
55) 2-Chloroethyl vinyl ether	8.288	63	69986	89.01	ug/l	96
56) Bromoform	10.836	173	14302	18.36	ug/l	99
58) 4-Methyl-2-Pentanone	8.618	43	134047	89.14	ug/l #	89
59) 2-Hexanone	9.471	43	100195	88.71	ug/l	87
61) Tetrachloroethene	9.318	164	17783	20.56	ug/l	97
62) Toluene	8.765	91	75960	18.93	ug/l	98
64) Chlorobenzene	10.118	112	46792	19.12	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.200	131	17607	18.20	ug/l	97
66) Ethyl Benzene	10.235	91	83746	18.67	ug/l	97
67) m/p-Xylenes	10.341	106	62123	37.65	ug/l	95
68) o-Xylene	10.683	106	29197	18.31	ug/l	93
69) Styrene	10.694	104	48025	18.02	ug/l	94
70) Isopropylbenzene	11.000	105	80563	18.53	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.247	83	26820	18.02	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	26140m	18.37	ug/l	
73) Bromobenzene	11.236	156	19489	18.59	ug/l	95
74) n-propylbenzene	11.341	91	93764	18.38	ug/l	98
75) 2-Chlorotoluene	11.400	91	58930	18.98	ug/l	98
76) 1,3,5-Trimethylbenzene	11.489	105	68662	18.53	ug/l	99
77) t-1,4-Dichloro-2-butene	11.059	75	7513	16.53	ug/l	86
78) 4-Chlorotoluene	11.494	91	67906	18.76	ug/l	97
79) tert-butylbenzene	11.753	119	63951	18.14	ug/l	94
80) 1,2,4-Trimethylbenzene	11.789	105	68493	18.49	ug/l	98
81) sec-Butylbenzene	11.930	105	76719	18.75	ug/l	99
82) p-Isopropyltoluene	12.047	119	68213	18.26	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	33812	18.00	ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	35023	18.63	ug/l	98
85) n-Butylbenzene	12.371	91	58431	17.56	ug/l	99
86) Hexachloroethane	12.577	117	11599	17.63	ug/l	94
87) 1,2-Dichlorobenzene	12.371	146	33633	18.17	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6061	17.40	ug/l #	79
89) 1,2,4-Trichlorobenzene	13.624	180	20155	17.32	ug/l	99
90) Hexachlorobutadiene	13.765	225	9499	19.31	ug/l	98
91) Naphthalene	13.818	128	66928	17.27	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	20950	18.01	ug/l	100

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

