

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021621.D
 Acq On : 30 Mar 2021 11:45
 Operator : JC/MD
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 6:59:33 PM

Quant Time: Mar 31 04:39:35 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	13941	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	76695	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	71053	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	38282	29.40	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.00%		
60) 4-Bromofluorobenzene	11.118	95	38149	30.53	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.77%		
63) Toluene-d8	8.694	98	96582	30.26	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.87%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	24685	19.03	ug/l	99
3) Chloromethane	1.311	50	21710	18.33	ug/l	99
4) Vinyl Chloride	1.393	62	19777	18.79	ug/l	100
5) Bromomethane	1.622	94	9351	22.09	ug/l	99
6) Chloroethane	1.711	64	11094	17.66	ug/l	95
7) Trichlorofluoromethane	1.911	101	29176	18.46	ug/l	99
8) Diethyl Ether	2.164	74	9538	18.34	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.364	101	16106	18.38	ug/l	98
10) 1,1-Dichloroethene	2.352	96	14584	17.56	ug/l	89
11) Methyl Iodide	2.487	142	13501	19.51	ug/l	95
12) Methyl Acetate	2.746	43	31729	18.69	ug/l #	82
13) Acrolein	2.269	56	15244	95.26	ug/l	98
14) Acrylonitrile	3.111	53	44902	84.86	ug/l	98
15) Acetone	2.417	58	12327	87.94	ug/l #	60
16) Carbon Disulfide	2.546	76	40908	17.62	ug/l	99
17) Allyl chloride	2.705	41	29419	18.26	ug/l	88
18) Methylene Chloride	2.834	84	17867	18.20	ug/l #	90
19) trans-1,2-Dichloroethene	3.140	96	16083	17.93	ug/l	88
20) Diisopropyl ether	3.823	45	57027	17.72	ug/l	96
21) 1,1-Dichloroethane	3.670	63	31288	17.88	ug/l	98
22) cis-1,2-Dichloroethene	4.564	96	18566	17.90	ug/l	90
23) tert-Butyl Alcohol	3.011	59	17807	79.30	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	53317	17.54	ug/l #	87
25) Chloroform	5.170	83	33093	17.80	ug/l	100
26) Cyclohexane	5.546	56	27054	17.90	ug/l #	88
29) 1,1-Dichloropropene	5.764	75	23757	18.36	ug/l	97
30) 2-Butanone	4.629	43	65294	86.34	ug/l	92
31) 2,2-Dichloropropane	4.546	77	27276	18.90	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	29691	18.56	ug/l	96
33) Carbon Tetrachloride	5.752	117	26376	18.61	ug/l	98
34) Benzene	6.111	78	68272	18.49	ug/l #	94
35) Methacrylonitrile	4.999	41	14367	17.28	ug/l	94
36) 1,2-Dichloroethane	6.158	62	29372	18.58	ug/l #	93
37) Trichloroethene	7.188	130	17933	18.71	ug/l	98
38) Methylcyclohexane	7.435	83	26783	18.68	ug/l	93
39) 1,2-Dichloropropane	7.488	63	18149	18.42	ug/l	100
40) Dibromomethane	7.635	93	12994	18.06	ug/l	93
41) Bromodichloromethane	7.876	83	27019	18.26	ug/l	97
42) Vinyl Acetate	3.781	43	225364	86.77	ug/l #	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021621.D
 Acq On : 30 Mar 2021 11:45
 Operator : JC/MD
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 6:59:33 PM

Quant Time: Mar 31 04:39:35 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)
43) Ethyl Acetate	4.793	43	25115	17.44	ug/l	100
44) Isopropyl Acetate	6.405	43	41923	17.39	ug/l #	91
45) 1,4-Dioxane	7.711	88	8130	338.98	ug/l #	85
46) Methyl methacrylate	7.741	41	22975	17.38	ug/l	85
47) n-amyl Acetate	10.877	43	35474	17.02	ug/l	96
48) t-1,3-Dichloropropene	9.017	75	25910	17.36	ug/l	98
49) cis-1,3-Dichloropropene	8.411	75	27943	17.49	ug/l #	82
50) 1,1,2-Trichloroethane	9.194	97	17368	17.98	ug/l	98
51) Ethyl methacrylate	9.159	69	23758m	16.82	ug/l	
52) 1,3-Dichloropropane	9.353	76	29769	18.02	ug/l	99
53) Dibromochloromethane	9.565	129	19635	17.82	ug/l	99
54) 1,2-Dibromoethane	9.653	107	18838	18.16	ug/l	98
55) 2-Chloroethyl vinyl ether	8.288	63	68995	87.84	ug/l	97
56) Bromoform	10.841	173	14185	18.23	ug/l	98
58) 4-Methyl-2-Pentanone	8.617	43	130720	87.16	ug/l #	89
59) 2-Hexanone	9.470	43	99027	87.91	ug/l	88
61) Tetrachloroethene	9.317	164	16864	19.55	ug/l	97
62) Toluene	8.764	91	73036	18.25	ug/l	100
64) Chlorobenzene	10.118	112	45384	18.60	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.200	131	17227	17.85	ug/l	99
66) Ethyl Benzene	10.235	91	82729	18.49	ug/l	98
67) m/p-Xylenes	10.341	106	60552	36.80	ug/l	97
68) o-Xylene	10.682	106	28406	17.86	ug/l	90
69) Styrene	10.694	104	47895	18.02	ug/l	94
70) Isopropylbenzene	11.000	105	79638	18.37	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.253	83	26703	17.99	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	25972m	18.30	ug/l	
73) Bromobenzene	11.235	156	19210	18.37	ug/l	93
74) n-propylbenzene	11.341	91	94392	18.55	ug/l	97
75) 2-Chlorotoluene	11.400	91	56850	18.36	ug/l	97
76) 1,3,5-Trimethylbenzene	11.488	105	67422	18.25	ug/l	100
77) t-1,4-Dichloro-2-butene	11.059	75	7541	16.64	ug/l	80
78) 4-Chlorotoluene	11.494	91	67044	18.57	ug/l	98
79) tert-butylbenzene	11.753	119	63177	17.97	ug/l	94
80) 1,2,4-Trimethylbenzene	11.788	105	67531	18.28	ug/l	98
81) sec-Butylbenzene	11.930	105	75340	18.46	ug/l	100
82) p-Isopropyltoluene	12.047	119	69263	18.59	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	34561	18.45	ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	35275	18.81	ug/l	98
85) n-Butylbenzene	12.371	91	61268	18.46	ug/l	97
86) Hexachloroethane	12.577	117	11647	17.75	ug/l	97
87) 1,2-Dichlorobenzene	12.377	146	33960	18.40	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6010	17.30	ug/l	87
89) 1,2,4-Trichlorobenzene	13.624	180	21243	18.30	ug/l	97
90) Hexachlorobutadiene	13.765	225	9909	20.19	ug/l	99
91) Naphthalene	13.818	128	66594	17.23	ug/l	100
92) 1,2,3-Trichlorobenzene	14.000	180	21346	18.40	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021621.D
 Acq On : 30 Mar 2021 11:45
 Operator : JC/MD
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 6:59:33 PM

Quant Time: Mar 31 04:39:35 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

