

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067681.D
 Acq On : 9 Jul 2021 13:16
 Operator : JC/MD
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:44:35 PM

Quant Time: Jul 10 05:17:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	68402	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	419400	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	398110	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	181366	32.812	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.367%			
60) 4-Bromofluorobenzene	12.733	95	198741	30.686	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.300%			
63) Toluene-d8	10.443	98	548656	30.119	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	77247	18.236	ug/l	98
3) Chloromethane	2.303	50	99554	19.524	ug/l	100
4) Vinyl Chloride	2.443	62	152250	18.970	ug/l	96
5) Bromomethane	2.864	94	122351	18.899	ug/l	93
6) Chloroethane	3.022	64	113998	19.262	ug/l #	89
7) Trichlorofluoromethane	3.373	101	283390	18.522	ug/l	97
8) Diethyl Ether	3.821	74	47314	11.887	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.202	101	76515	22.718	ug/l	82
10) 1,1-Dichloroethene	4.175	96	71201	21.423	ug/l	92
11) Methyl Iodide	4.417	142	91873	20.759	ug/l	89
12) Methyl Acetate	4.859	43	93984	22.037	ug/l	94
13) Acrolein	4.039	56	61855	102.848	ug/l	99
14) Acrylonitrile	5.557	53	202161	102.050	ug/l	98
15) Acetone	4.291	58	62276	134.201	ug/l	91
16) Carbon Disulfide	4.524	76	194994	20.426	ug/l	100
17) Allyl chloride	4.838	41	119412	20.376	ug/l	89
18) Methylene Chloride	5.093	84	89321	20.714	ug/l	92
19) trans-1,2-Dichloroethene	5.599	96	82300	20.594	ug/l	86
20) Diisopropyl ether	6.501	45	279900	19.749	ug/l #	94
21) 1,1-Dichloroethane	6.385	63	156508	20.676	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	99614	20.383	ug/l	91
23) tert-Butyl Alcohol	5.385	59	73869m	97.993	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	278042	19.911	ug/l	94
25) Chloroform	7.817	83	172339	20.199	ug/l	98
26) Cyclohexane	8.096	56	141430	20.683	ug/l #	92
29) 1,1-Dichloropropene	8.222	75	129031	19.633	ug/l	98
30) 2-Butanone	7.340	43	299829	99.978	ug/l	96
31) 2,2-Dichloropropane	7.327	77	140886	20.137	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	151694	18.419	ug/l	98
33) Carbon Tetrachloride	8.206	117	126174	18.073	ug/l	95
34) Benzene	8.461	78	380063	18.758	ug/l	95
35) Methacrylonitrile	7.638	41	60368	18.510	ug/l	92
36) 1,2-Dichloroethane	8.531	62	141832	19.029	ug/l	99
37) Trichloroethene	9.217	130	96827	19.095	ug/l	91
38) Methylcyclohexane	9.461	83	144277	19.747	ug/l	94
39) 1,2-Dichloropropane	9.491	63	95448	18.844	ug/l	100
40) Dibromomethane	9.579	93	67502	18.023	ug/l	94
41) Bromodichloromethane	9.762	83	131146	18.043	ug/l	99
42) Vinyl Acetate	6.436	43	1181241	89.931	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067681.D
 Acq On : 9 Jul 2021 13:16
 Operator : JC/MD
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:44:35 PM

Quant Time: Jul 10 05:17:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	107536	16.521	ug/l #	71
44) Isopropyl Acetate	8.563	43	210313	18.234	ug/l	97
45) 1,4-Dioxane	9.574	88	29692	328.200	ug/l #	92
46) Methyl methacrylate	9.563	41	90697	18.357	ug/l	94
47) n-amyl Acetate	12.390	43	165644	17.076	ug/l	94
48) t-1,3-Dichloropropene	10.722	75	136819	17.497	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	150474	18.254	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	95596	18.065	ug/l	98
51) Ethyl methacrylate	10.765	69	146120	17.525	ug/l	94
52) 1,3-Dichloropropane	11.047	76	160836	18.398	ug/l	99
53) Dibromochloromethane	11.240	129	94901	16.642	ug/l	98
54) 1,2-Dibromoethane	11.350	107	97990	17.745	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	130362	73.502	ug/l	96
56) Bromoform	12.460	173	59675	15.031	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	650159	93.846	ug/l	97
59) 2-Hexanone	11.089	43	463046	95.948	ug/l	96
61) Tetrachloroethene	10.979	164	93228	19.007	ug/l	98
62) Toluene	10.507	91	446127	19.052	ug/l	99
64) Chlorobenzene	11.773	112	265226	19.116	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.843	131	95750	18.519	ug/l	99
66) Ethyl Benzene	11.848	91	499052	19.337	ug/l	98
67) m/p-Xylenes	11.956	106	379468	37.876	ug/l	89
68) o-Xylene	12.283	106	184627	18.498	ug/l	88
69) Styrene	12.296	104	298104	18.185	ug/l	94
70) Isopropylbenzene	12.581	105	476025	18.641	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	139010	18.928	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	125823m	19.687	ug/l	
73) Bromobenzene	12.862	156	104909	18.123	ug/l	77
74) n-propylbenzene	12.924	91	556185	19.270	ug/l	96
75) 2-Chlorotoluene	13.010	91	335553	19.335	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	402348	19.079	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	34419	16.426	ug/l	99
78) 4-Chlorotoluene	13.106	91	332860	19.284	ug/l	92
79) tert-butylbenzene	13.326	119	334492	18.858	ug/l	89
80) 1,2,4-Trimethylbenzene	13.372	105	397566m	19.137	ug/l	
81) sec-Butylbenzene	13.503	105	470196	19.280	ug/l	97
82) p-Isopropyltoluene	13.619	119	385640	19.282	ug/l	94
83) 1,3-Dichlorobenzene	13.616	146	200686	18.679	ug/l	94
84) 1,4-Dichlorobenzene	13.696	146	192755	18.523	ug/l	94
85) n-Butylbenzene	13.943	91	329454	19.933	ug/l	97
86) Hexachloroethane	14.211	117	59941	17.571	ug/l	96
87) 1,2-Dichlorobenzene	13.991	146	194072	18.745	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.605	75	23938	18.234	ug/l #	74
89) 1,2,4-Trichlorobenzene	15.265	180	81900	18.374	ug/l	97
90) Hexachlorobutadiene	15.373	225	42631	20.639	ug/l	96
91) Naphthalene	15.509	128	229716	16.725	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	75915	17.856	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
Data File : VN067681.D
Acq On : 9 Jul 2021 13:16
Operator : JC/MD
Sample : VN0709WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations
APPROVED

MMDadoda
7/12/2021 5:44:35 PM

Quant Time: Jul 10 05:17:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration

