

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067588.D
 Acq On : 1 Jul 2021 10:35
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 1:59:45 PM

Quant Time: Jul 01 11:35:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:33:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	66742	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	399870	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	377006	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	171032	26.489	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.300%#
60) 4-Bromofluorobenzene	12.733	95	181993	26.634	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.767%
63) Toluene-d8	10.443	98	527970	29.695	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	77197	18.694	ug/l	97
3) Chloromethane	2.303	50	103573	21.913	ug/l	98
4) Vinyl Chloride	2.443	62	160857	29.321	ug/l	97
5) Bromomethane	2.864	94	124231	36.935	ug/l	90
6) Chloroethane	3.022	64	120729m	33.832	ug/l	
7) Trichlorofluoromethane	3.373	101	320013	36.389	ug/l	96
8) Diethyl Ether	3.819	74	70469	25.690	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.202	101	62905	18.352	ug/l	83
10) 1,1-Dichloroethene	4.175	96	62117	18.649	ug/l	91
11) Methyl Iodide	4.417	142	80535	19.453	ug/l	89
12) Methyl Acetate	4.862	43	80887	16.795	ug/l	95
13) Acrolein	4.038	56	55330m	91.796	ug/l	
14) Acrylonitrile	5.559	53	179886	87.810	ug/l	99
15) Acetone	4.293	58	42873	84.567	ug/l	86
16) Carbon Disulfide	4.521	76	177077	17.108	ug/l	98
17) Allyl chloride	4.835	41	108308	15.590	ug/l	91
18) Methylene Chloride	5.098	84	79540	19.044	ug/l	91
19) trans-1,2-Dichloroethene	5.597	96	72912	19.575	ug/l	85
20) Diisopropyl ether	6.500	45	249941	17.861	ug/l	92
21) 1,1-Dichloroethane	6.388	63	143939	18.420	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	89777	20.053	ug/l	92
23) tert-Butyl Alcohol	5.390	59	64586	73.328	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	253501	17.964	ug/l	96
25) Chloroform	7.820	83	158861	19.442	ug/l	99
26) Cyclohexane	8.094	56	127590	18.737	ug/l #	96
29) 1,1-Dichloropropene	8.222	75	113764	18.966	ug/l	96
30) 2-Butanone	7.343	43	256281	85.685	ug/l	96
31) 2,2-Dichloropropane	7.327	77	120017	18.834	ug/l #	81
32) 1,1,1-Trichloroethane	8.016	97	140444	18.668	ug/l #	82
33) Carbon Tetrachloride	8.206	117	117338	18.497	ug/l	98
34) Benzene	8.461	78	344683	20.086	ug/l	98
35) Methacrylonitrile	7.638	41	53915	16.876	ug/l	96
36) 1,2-Dichloroethane	8.531	62	128632	18.085	ug/l #	78
37) Trichloroethene	9.217	130	87999	21.136	ug/l	88
38) Methylcyclohexane	9.461	83	124737	19.810	ug/l	93
39) 1,2-Dichloropropane	9.494	63	89309	19.432	ug/l	100
40) Dibromomethane	9.579	93	63326	19.835	ug/l	94
41) Bromodichloromethane	9.764	83	122307	18.403	ug/l	99
42) Vinyl Acetate	6.439	43	1092323m	86.815	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067588.D
 Acq On : 1 Jul 2021 10:35
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 1:59:45 PM

Quant Time: Jul 01 11:35:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:33:18 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	111406	18.436	ug/l #	89
44) Isopropyl Acetate	8.566	43	197492	17.484	ug/l #	81
45) 1,4-Dioxane	9.571	88	28484	380.868	ug/l #	91
46) Methyl methacrylate	9.563	41	84609	16.918	ug/l	95
47) n-amyl Acetate	12.390	43	154674	16.261	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	124578	17.193	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	136239	18.362	ug/l	96
50) 1,1,2-Trichloroethane	10.902	97	87639	20.836	ug/l	99
51) Ethyl methacrylate	10.765	69	131971	17.962	ug/l	96
52) 1,3-Dichloropropane	11.046	76	147160	19.612	ug/l	100
53) Dibromochloromethane	11.242	129	89687	19.542	ug/l	99
54) 1,2-Dibromoethane	11.350	107	89283	20.355	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	122305	69.159	ug/l	98
56) Bromoform	12.460	173	57178	18.514	ug/l #	97
58) 4-Methyl-2-Pentanone	10.336	43	602440	88.805	ug/l	98
59) 2-Hexanone	11.089	43	417249	85.773	ug/l	98
61) Tetrachloroethene	10.979	164	88317	22.758	ug/l	98
62) Toluene	10.510	91	404977	20.763	ug/l	98
64) Chlorobenzene	11.773	112	234917	20.453	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.846	131	87236	20.325	ug/l	100
66) Ethyl Benzene	11.848	91	446082	19.929	ug/l	98
67) m/p-Xylenes	11.958	106	343239	42.421	ug/l	86
68) o-Xylene	12.283	106	170306	21.031	ug/l	86
69) Styrene	12.299	104	270128	20.191	ug/l	94
70) Isopropylbenzene	12.583	105	427797	20.722	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	126846	20.267	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	117371m	19.541	ug/l	
73) Bromobenzene	12.862	156	96056	21.788	ug/l	77
74) n-propylbenzene	12.924	91	489231	19.959	ug/l	97
75) 2-Chlorotoluene	13.012	91	298697	19.370	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	361222	20.618	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	30381	15.309	ug/l	100
78) 4-Chlorotoluene	13.109	91	290995	19.102	ug/l	91
79) tert-butylbenzene	13.326	119	299849	21.141	ug/l	90
80) 1,2,4-Trimethylbenzene	13.372	105	351406m	20.417	ug/l	
81) sec-Butylbenzene	13.506	105	414393	21.021	ug/l	98
82) p-Isopropyltoluene	13.618	119	332789	20.926	ug/l	95
83) 1,3-Dichlorobenzene	13.618	146	173983	21.799	ug/l	94
84) 1,4-Dichlorobenzene	13.696	146	170815	21.453	ug/l	94
85) n-Butylbenzene	13.946	91	272209	19.014	ug/l	97
86) Hexachloroethane	14.214	117	53976	17.460	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	167194	21.655	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.608	75	22276	15.457	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.268	180	70577	18.894	ug/l	97
90) Hexachlorobutadiene	15.372	225	34386	17.743	ug/l	98
91) Naphthalene	15.509	128	204395	16.780	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	67346	18.541	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067588.D
 Acq On : 1 Jul 2021 10:35
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 1:59:45 PM

Quant Time: Jul 01 11:35:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:33:18 2021
 Response via : Initial Calibration

