

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072662.D
 Acq On : 06 Jun 2022 13:49
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 14:06:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:24:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	42668	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	254156	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	230506	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	147063	29.973	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.900%		
60) 4-Bromofluorobenzene	12.727	95	132613	27.839	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.800%		
63) Toluene-d8	10.439	98	385846	30.216	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.733%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	18222	5.419	ug/l	96
3) Chloromethane	2.293	50	20945	5.852	ug/l	95
4) Vinyl Chloride	2.440	62	17919	5.616	ug/l	96
5) Bromomethane	2.846	94	11027m	6.857	ug/l	
6) Chloroethane	3.010	64	12438m	5.980	ug/l	
7) Trichlorofluoromethane	3.363	101	32012	5.498	ug/l	98
8) Diethyl Ether	3.822	74	11931	5.207	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.204	101	16885	5.397	ug/l	62
10) 1,1-Dichloroethene	4.187	96	16667	5.752	ug/l	91
11) Methyl Iodide	4.422	142	10943m	3.620	ug/l	
12) Methyl Acetate	4.851	43	34489m	5.896	ug/l	
13) Acrolein	4.034	56	16379m	31.662	ug/l	
14) Acrylonitrile	5.540	53	63076	26.324	ug/l	96
15) Acetone	4.281	58	18174	28.132	ug/l	99
16) Carbon Disulfide	4.528	76	46745	6.551	ug/l	98
17) Allyl chloride	4.840	41	32764	5.199	ug/l	87
18) Methylene Chloride	5.099	84	20187	5.599	ug/l	93
19) trans-1,2-Dichloroethene	5.593	96	17685	5.600	ug/l	96
20) Diisopropyl ether	6.487	45	61165	4.821	ug/l	98
21) 1,1-Dichloroethane	6.375	63	37367	5.501	ug/l	98
22) cis-1,2-Dichloroethene	7.316	96	21314	5.441	ug/l	89
23) tert-Butyl Alcohol	5.357	59	30772	28.365	ug/l	# 100
24) Methyl tert-Butyl Ether	5.610	73	66892	5.180	ug/l	95
25) Chloroform	7.816	83	37528	5.301	ug/l	92
26) Cyclohexane	8.087	56	32317	5.563	ug/l	# 93
29) 1,1-Dichloropropene	8.216	75	26950	5.517	ug/l	86
30) 2-Butanone	7.328	43	94323	26.737	ug/l	95
31) 2,2-Dichloropropane	7.316	77	36038	5.421	ug/l	# 73
32) 1,1,1-Trichloroethane	8.004	97	34488	5.345	ug/l	98
33) Carbon Tetrachloride	8.204	117	30071	5.419	ug/l	93
34) Benzene	8.451	78	78439	5.384	ug/l	# 78
35) Methacrylonitrile	7.634	41	19216	5.532	ug/l	88
36) 1,2-Dichloroethane	8.522	62	32839	5.328	ug/l	# 90
37) Trichloroethene	9.216	130	18953	5.474	ug/l	100
38) Methylcyclohexane	9.457	83	33052	5.579	ug/l	90
39) 1,2-Dichloropropane	9.486	63	21540	5.409	ug/l	# 88
40) Dibromomethane	9.569	93	14718	5.408	ug/l	91
41) Bromodichloromethane	9.757	83	29852	5.026	ug/l	97
42) Vinyl Acetate	6.428	43	297651m	25.650	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072662.D
 Acq On : 06 Jun 2022 13:49
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 14:06:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:24:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	34750	5.037	ug/l	99
44) Isopropyl Acetate	8.551	43	60617	5.427	ug/l	98
45) 1,4-Dioxane	9.563	88	9592	106.700	ug/l #	87
46) Methyl methacrylate	9.551	41	27180	5.488	ug/l	91
47) n-amyl Acetate	12.380	43	41405	4.838	ug/l	99
48) t-1,3-Dichloropropene	10.710	75	33580	5.022	ug/l	90
49) cis-1,3-Dichloropropene	10.186	75	34767	5.097	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	20382	5.282	ug/l	97
51) Ethyl methacrylate	10.757	69	35267	5.037	ug/l	94
52) 1,3-Dichloropropane	11.039	76	35375	5.084	ug/l	98
53) Dibromochloromethane	11.233	129	21187	4.920	ug/l	100
54) 1,2-Dibromoethane	11.345	107	21183	5.249	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	60570	21.580	ug/l	97
56) Bromoform	12.457	173	14413	4.811	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	184006	26.333	ug/l	98
59) 2-Hexanone	11.080	43	139447	26.506	ug/l	99
61) Tetrachloroethene	10.975	164	16662	5.730	ug/l	91
62) Toluene	10.498	91	87295	5.510	ug/l	99
64) Chlorobenzene	11.769	112	50821	5.289	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.839	131	19056	4.976	ug/l	92
66) Ethyl Benzene	11.839	91	95771	5.258	ug/l	95
67) m/p-Xylenes	11.951	106	69812	10.523	ug/l	95
68) o-Xylene	12.275	106	36055	5.342	ug/l	95
69) Styrene	12.292	104	53985	5.041	ug/l	94
70) Isopropylbenzene	12.575	105	91620	5.172	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.822	83	31882	5.346	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	27280m	5.225	ug/l	
73) Bromobenzene	12.857	156	18260	5.067	ug/l	73
74) n-propylbenzene	12.916	91	102104	5.060	ug/l	99
75) 2-Chlorotoluene	13.004	91	65883	5.254	ug/l	92
76) 1,3,5-Trimethylbenzene	13.057	105	73787	5.065	ug/l	97
77) t-1,4-Dichloro-2-butene	12.627	75	10171	4.547	ug/l	93
78) 4-Chlorotoluene	13.104	91	58871	4.952	ug/l	92
79) tert-butylbenzene	13.316	119	67371	5.244	ug/l	96
80) 1,2,4-Trimethylbenzene	13.498	105	86450	4.902	ug/l #	100
81) sec-Butylbenzene	13.498	105	86450	4.902	ug/l	99
82) p-Isopropyltoluene	13.610	119	66947	4.744	ug/l	97
83) 1,3-Dichlorobenzene	13.616	146	32668	5.247	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	30184	4.987	ug/l	95
85) n-Butylbenzene	13.939	91	54614	4.580	ug/l	96
86) Hexachloroethane	14.204	117	15048	4.828	ug/l	90
87) 1,2-Dichlorobenzene	13.986	146	32622	5.281	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.604	75	7570	5.161	ug/l	87
89) 1,2,4-Trichlorobenzene	15.263	180	15442	5.025	ug/l	98
90) Hexachlorobutadiene	15.368	225	7058	4.919	ug/l	97
91) Naphthalene	15.504	128	62734	5.303	ug/l	97
92) 1,2,3-Trichlorobenzene	15.698	180	16354	5.353	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
Data File : VN072662.D
Acq On : 06 Jun 2022 13:49
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/07/2022
Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 14:06:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 13:24:30 2022
Response via : Initial Calibration

