

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072638.D
 Acq On : 26 May 2022 19:29
 Operator : JC\MD
 Sample : VN0526WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 27 11:47:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	32020	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	177592	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	158326	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	86199	28.133	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.767%		
60) 4-Bromofluorobenzene	12.727	95	82571	29.696	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.000%		
63) Toluene-d8	10.439	98	277356	30.809	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	41956	19.176	ug/l	97
3) Chloromethane	2.299	50	49410	16.841	ug/l	90
4) Vinyl Chloride	2.440	62	41546	16.937	ug/l	95
5) Bromomethane	2.846	94	20751	17.397	ug/l	93
6) Chloroethane	3.016	64	25638	16.706	ug/l	98
7) Trichlorofluoromethane	3.369	101	68250	19.416	ug/l	97
8) Diethyl Ether	3.822	74	29298	19.864	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.204	101	40441	20.595	ug/l #	70
10) 1,1-Dichloroethene	4.181	96	39921	20.703	ug/l	96
11) Methyl Iodide	4.422	142	37792	20.470	ug/l	99
12) Methyl Acetate	4.851	43	75774	20.024	ug/l #	89
13) Acrolein	4.040	56	44899	103.602	ug/l	99
14) Acrylonitrile	5.545	53	168327	103.264	ug/l	96
15) Acetone	4.281	58	42923	102.289	ug/l	91
16) Carbon Disulfide	4.528	76	105258	19.902	ug/l	99
17) Allyl chloride	4.834	41	79887	19.941	ug/l	80
18) Methylene Chloride	5.093	84	50198	19.801	ug/l	93
19) trans-1,2-Dichloroethene	5.593	96	42928	20.354	ug/l	98
20) Diisopropyl ether	6.492	45	173603	18.900	ug/l	89
21) 1,1-Dichloroethane	6.387	63	89610	19.166	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	52798	19.710	ug/l	99
23) tert-Butyl Alcohol	5.357	59	55373	101.204	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	148955	20.107	ug/l	93
25) Chloroform	7.816	83	87345	18.388	ug/l	96
26) Cyclohexane	8.092	56	77409	17.554	ug/l #	93
29) 1,1-Dichloropropene	8.222	75	63965	19.045	ug/l	97
30) 2-Butanone	7.328	43	231680	102.441	ug/l	95
31) 2,2-Dichloropropane	7.322	77	67602	19.874	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	73144	19.632	ug/l	97
33) Carbon Tetrachloride	8.204	117	62569	18.913	ug/l	97
34) Benzene	8.457	78	204733	19.392	ug/l	97
35) Methacrylonitrile	7.628	41	47327	20.516	ug/l	89
36) 1,2-Dichloroethane	8.528	62	68214	19.884	ug/l #	95
37) Trichloroethene	9.216	130	48576	19.331	ug/l	91
38) Methylcyclohexane	9.457	83	75409	18.179	ug/l	93
39) 1,2-Dichloropropane	9.486	63	53769	19.098	ug/l	95
40) Dibromomethane	9.575	93	34313	19.220	ug/l	94
41) Bromodichloromethane	9.757	83	69576	19.442	ug/l #	93
42) Vinyl Acetate	6.428	43	743196	100.687	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072638.D
 Acq On : 26 May 2022 19:29
 Operator : JC\MD
 Sample : VN0526WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 27 11:47:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	78734	18.155	ug/l	# 92
44) Isopropyl Acetate	8.557	43	131053	19.394	ug/l	98
45) 1,4-Dioxane	9.563	88	24480	432.076	ug/l	93
46) Methyl methacrylate	9.557	41	65417	20.547	ug/l	83
47) n-amyl Acetate	12.386	43	92489	18.786	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	72379	18.724	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	81858	19.219	ug/l	92
50) 1,1,2-Trichloroethane	10.892	97	53122	20.241	ug/l	98
51) Ethyl methacrylate	10.757	69	85013	19.211	ug/l	87
52) 1,3-Dichloropropane	11.039	76	89766	19.396	ug/l	99
53) Dibromochloromethane	11.233	129	53259	19.739	ug/l	99
54) 1,2-Dibromoethane	11.339	107	52875	19.620	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	166312	85.918	ug/l	98
56) Bromoform	12.451	173	37132	19.062	ug/l	# 100
58) 4-Methyl-2-Pentanone	10.328	43	459337	100.440	ug/l	96
59) 2-Hexanone	11.080	43	330169	101.232	ug/l	96
61) Tetrachloroethene	10.975	164	41827	19.962	ug/l	93
62) Toluene	10.504	91	220824	19.867	ug/l	97
64) Chlorobenzene	11.763	112	128183	19.847	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.833	131	48962	19.252	ug/l	98
66) Ethyl Benzene	11.839	91	230287	18.782	ug/l	98
67) m/p-Xylenes	11.945	106	173504	38.934	ug/l	97
68) o-Xylene	12.274	106	85317	19.243	ug/l	99
69) Styrene	12.292	104	136037	19.366	ug/l	97
70) Isopropylbenzene	12.574	105	221001	19.510	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	79902	20.546	ug/l	95
72) 1,2,3-Trichloropropane	12.874	75	60588m	18.463	ug/l	
73) Bromobenzene	12.857	156	50120	20.141	ug/l	94
74) n-propylbenzene	12.916	91	241075	18.822	ug/l	99
75) 2-Chlorotoluene	13.004	91	149629	19.261	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	173401	19.397	ug/l	97
77) t-1,4-Dichloro-2-butene	12.621	75	23955	18.680	ug/l	94
78) 4-Chlorotoluene	13.098	91	138674	19.606	ug/l	94
79) tert-butylbenzene	13.316	119	153400	19.609	ug/l	95
80) 1,2,4-Trimethylbenzene	13.363	105	165286m	19.158	ug/l	
81) sec-Butylbenzene	13.498	105	205234	18.134	ug/l	99
82) p-Isopropyltoluene	13.610	119	159444	18.173	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	80836	18.717	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	77774	18.536	ug/l	98
85) n-Butylbenzene	13.939	91	124200	17.227	ug/l	97
86) Hexachloroethane	14.204	117	33004	18.888	ug/l	90
87) 1,2-Dichlorobenzene	13.986	146	82024	19.229	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.592	75	15047	19.916	ug/l	93
89) 1,2,4-Trichlorobenzene	15.262	180	39875	18.946	ug/l	95
90) Hexachlorobutadiene	15.363	225	19566	18.537	ug/l	92
91) Naphthalene	15.498	128	143798	19.470	ug/l	98
92) 1,2,3-Trichlorobenzene	15.692	180	41180	19.165	ug/l	96

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

