

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071704.D
 Acq On : 31 Mar 2022 15:13
 Operator : JC\MD
 Sample : VN0331WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 31 18:47:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	85995	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	469517	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	427456	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	183151	30.229	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.767%
60) 4-Bromofluorobenzene	12.727	95	186771	29.468	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.233%
63) Toluene-d8	10.439	98	582759	30.033	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	88625	16.557	ug/l	97
3) Chloromethane	2.298	50	104418	16.552	ug/l	99
4) Vinyl Chloride	2.440	62	117084	16.184	ug/l	97
5) Bromomethane	2.851	94	79048	18.542	ug/l	98
6) Chloroethane	3.010	64	80426	17.360	ug/l	97
7) Trichlorofluoromethane	3.375	101	152017	18.022	ug/l	94
8) Diethyl Ether	3.822	74	67490	19.042	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	97138	19.229	ug/l #	47
10) 1,1-Dichloroethene	4.187	96	88202	17.704	ug/l	92
11) Methyl Iodide	4.422	142	132480	18.147	ug/l	88
12) Methyl Acetate	4.857	43	149827	21.339	ug/l	100
13) Acrolein	4.045	56	77801m	104.156	ug/l	
14) Acrylonitrile	5.551	53	331665	104.298	ug/l	98
15) Acetone	4.281	58	89156	97.424	ug/l	81
16) Carbon Disulfide	4.534	76	185256	14.282	ug/l	97
17) Allyl chloride	4.840	41	148110	18.329	ug/l	84
18) Methylene Chloride	5.098	84	113940	19.064	ug/l	92
19) trans-1,2-Dichloroethene	5.598	96	96895	18.183	ug/l	99
20) Diisopropyl ether	6.492	45	340452	20.136	ug/l	96
21) 1,1-Dichloroethane	6.386	63	196523	19.252	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	123198	19.030	ug/l	97
23) tert-Butyl Alcohol	5.363	59	119741	105.526	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	362264m	20.148	ug/l	
25) Chloroform	7.816	83	203708	19.842	ug/l	99
26) Cyclohexane	8.092	56	151449	17.164	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	138228	18.189	ug/l	99
30) 2-Butanone	7.333	43	427083	100.959	ug/l	97
31) 2,2-Dichloropropane	7.322	77	163012	18.829	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	169286	19.126	ug/l	98
33) Carbon Tetrachloride	8.204	117	138161	18.440	ug/l	99
34) Benzene	8.457	78	454010	19.228	ug/l	98
35) Methacrylonitrile	7.633	41	85665	21.107	ug/l	97
36) 1,2-Dichloroethane	8.527	62	160001	19.425	ug/l	95
37) Trichloroethene	9.216	130	114511	18.796	ug/l	98
38) Methylcyclohexane	9.457	83	168676	17.609	ug/l	96
39) 1,2-Dichloropropane	9.486	63	116892	19.788	ug/l	97
40) Dibromomethane	9.574	93	79265	19.824	ug/l	87
41) Bromodichloromethane	9.757	83	157997	19.746	ug/l	99
42) Vinyl Acetate	6.428	43	1433025	98.866	ug/l	96

04/01/2022
 Supervised By :Mahesh
 Gadoda

04/01/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071704.D
 Acq On : 31 Mar 2022 15:13
 Operator : JC\MD
 Sample : VN0331WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 31 18:47:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.410	43	177437	21.631	ug/l	98	04/01/2022
44) Isopropyl Acetate	8.557	43	261818	19.901	ug/l	95	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.563	88	59224	446.171	ug/l	93	
46) Methyl methacrylate	9.557	41	110522	19.157	ug/l	84	
47) n-amyl Acetate	12.386	43	163353	18.607	ug/l	91	
48) t-1,3-Dichloropropene	10.716	75	167792	19.294	ug/l	100	
49) cis-1,3-Dichloropropene	10.186	75	183311	19.275	ug/l #	87	04/01/2022
50) 1,1,2-Trichloroethane	10.892	97	123633	20.683	ug/l	99	
51) Ethyl methacrylate	10.757	69	182712	19.797	ug/l	84	
52) 1,3-Dichloropropane	11.039	76	205917	20.172	ug/l	99	
53) Dibromochloromethane	11.233	129	125376	20.262	ug/l	97	
54) 1,2-Dibromoethane	11.345	107	124049	20.175	ug/l	96	
55) 2-Chloroethyl vinyl ether	10.039	63	229040	92.106	ug/l	99	
56) Bromoform	12.451	173	94743	19.859	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.327	43	846730	104.349	ug/l	93	
59) 2-Hexanone	11.080	43	614619	103.744	ug/l	91	
61) Tetrachloroethene	10.974	164	100703	19.357	ug/l	91	
62) Toluene	10.504	91	503143	19.412	ug/l	97	
64) Chlorobenzene	11.768	112	315647	19.743	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.839	131	117275	19.995	ug/l	99	
66) Ethyl Benzene	11.845	91	535932	19.027	ug/l	97	
67) m/p-Xylenes	11.951	106	415554	37.923	ug/l	96	
68) o-Xylene	12.280	106	205213	18.842	ug/l	97	
69) Styrene	12.292	104	319314	18.629	ug/l	98	
70) Isopropylbenzene	12.574	105	522420	19.111	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.821	83	188671	21.207	ug/l	98	
72) 1,2,3-Trichloropropane	12.874	75	168867m	22.094	ug/l		
73) Bromobenzene	12.857	156	129434	19.410	ug/l	95	
74) n-propylbenzene	12.915	91	559862	18.766	ug/l	97	
75) 2-Chlorotoluene	13.004	91	360336	19.327	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.057	105	429209	19.571	ug/l	97	
77) t-1,4-Dichloro-2-butene	12.621	75	51137	19.055	ug/l	99	
78) 4-Chlorotoluene	13.104	91	323385	18.572	ug/l	99	
79) tert-butylbenzene	13.321	119	375919	18.996	ug/l	94	
80) 1,2,4-Trimethylbenzene	13.368	105	416331	19.566	ug/l #	80	
81) sec-Butylbenzene	13.498	105	500572	18.825	ug/l	98	
82) p-Isopropyltoluene	13.610	119	402845	18.646	ug/l	97	
83) 1,3-Dichlorobenzene	13.615	146	208218	19.082	ug/l	97	
84) 1,4-Dichlorobenzene	13.692	146	196794	18.895	ug/l	99	
85) n-Butylbenzene	13.939	91	280838	17.500	ug/l	96	
86) Hexachloroethane	14.209	117	75859	18.803	ug/l	78	
87) 1,2-Dichlorobenzene	13.986	146	207028	19.625	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	31901	20.153	ug/l	85	
89) 1,2,4-Trichlorobenzene	15.262	180	91847	18.835	ug/l	97	
90) Hexachlorobutadiene	15.368	225	60748	21.023	ug/l	98	
91) Naphthalene	15.504	128	249719	20.175	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.698	180	93537	19.558	ug/l	98	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071704.D
 Acq On : 31 Mar 2022 15:13
 Operator : JC\MD
 Sample : VN0331WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 31 18:47:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

