

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071521.D
 Acq On : 24 Mar 2022 15:03
 Operator : JC\MD
 Sample : VN0324WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 15:28:58 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	7.657	128	117612	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	645385	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	577158	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	248055	29.935	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.800%		
60) 4-Bromofluorobenzene	12.727	95	255588	29.866	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.567%		
63) Toluene-d8	10.439	98	800763	30.564	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.867%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	135425	18.499	ug/l	98
3) Chloromethane	2.299	50	161095	18.671	ug/l	94
4) Vinyl Chloride	2.440	62	179725	18.164	ug/l	100
5) Bromomethane	2.852	94	119329	20.466	ug/l	95
6) Chloroethane	3.016	64	118340	18.677	ug/l	94
7) Trichlorofluoromethane	3.375	101	209767	18.183	ug/l	94
8) Diethyl Ether	3.822	74	86364	17.816	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.216	101	129467	18.739	ug/l #	64
10) 1,1-Dichloroethene	4.181	96	123679	18.151	ug/l	93
11) Methyl Iodide	4.422	142	176271	17.654	ug/l	90
12) Methyl Acetate	4.851	43	172063	17.918	ug/l	99
13) Acrolein	4.040	56	90399	88.488	ug/l	96
14) Acrylonitrile	5.545	53	385261	88.584	ug/l	97
15) Acetone	4.281	58	101742	81.290	ug/l	90
16) Carbon Disulfide	4.528	76	309739	17.459	ug/l	96
17) Allyl chloride	4.840	41	193566	17.514	ug/l	84
18) Methylene Chloride	5.093	84	148491	18.166	ug/l	98
19) trans-1,2-Dichloroethene	5.598	96	131663	18.066	ug/l	98
20) Diisopropyl ether	6.487	45	422111	18.254	ug/l	98
21) 1,1-Dichloroethane	6.387	63	250971	17.976	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	158169	17.864	ug/l	98
23) tert-Butyl Alcohol	5.357	59	133788	86.210	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	441230	17.943	ug/l	94
25) Chloroform	7.810	83	254752	18.143	ug/l	99
26) Cyclohexane	8.092	56	219671	18.203	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	189344	18.126	ug/l	99
30) 2-Butanone	7.328	43	493071	84.796	ug/l	98
31) 2,2-Dichloropropane	7.322	77	208482	17.519	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	220967	18.162	ug/l	98
33) Carbon Tetrachloride	8.204	117	184232	17.889	ug/l	97
34) Benzene	8.457	78	590010	18.179	ug/l	98
35) Methacrylonitrile	7.628	41	104457	18.723	ug/l	92
36) 1,2-Dichloroethane	8.528	62	204782	18.087	ug/l	96
37) Trichloroethene	9.216	130	153817	18.367	ug/l	95
38) Methylcyclohexane	9.457	83	243701	18.508	ug/l	99
39) 1,2-Dichloropropane	9.486	63	143612	17.686	ug/l	97
40) Dibromomethane	9.575	93	98896	17.994	ug/l	88
41) Bromodichloromethane	9.757	83	199072	18.100	ug/l	92
42) Vinyl Acetate	6.428	43	1780519	89.366	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	198499	17.604	ug/l	99
44) Isopropyl Acetate	8.557	43	316462	17.499	ug/l	95
45) 1,4-Dioxane	9.569	88	65725	360.219	ug/l	95
46) Methyl methacrylate	9.557	41	133488	16.832	ug/l	82
47) n-amyl Acetate	12.386	43	199860	16.561	ug/l	92
48) t-1,3-Dichloropropene	10.716	75	206596	17.282	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	231363	17.698	ug/l #	87
50) 1,1,2-Trichloroethane	10.892	97	148101	18.025	ug/l	97
51) Ethyl methacrylate	10.757	69	223205	17.594	ug/l	86
52) 1,3-Dichloropropane	11.039	76	255427	18.204	ug/l	100
53) Dibromochloromethane	11.233	129	147474	17.339	ug/l	100
54) 1,2-Dibromoethane	11.339	107	148705	17.594	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	303057	88.662	ug/l	99
56) Bromoform	12.451	173	108131	16.489	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	983135	89.734	ug/l	93
59) 2-Hexanone	11.080	43	696174	87.030	ug/l	91
61) Tetrachloroethene	10.975	164	132652	18.885	ug/l	91
62) Toluene	10.504	91	648441	18.529	ug/l	97
64) Chlorobenzene	11.769	112	392379	18.177	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	142897	18.044	ug/l	99
66) Ethyl Benzene	11.839	91	689016	18.117	ug/l	96
67) m/p-Xylenes	11.951	106	545373	36.861	ug/l	96
68) o-Xylene	12.274	106	268771	18.277	ug/l	96
69) Styrene	12.292	104	414916	17.928	ug/l	97
70) Isopropylbenzene	12.574	105	672976	18.233	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	217380	18.096	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	192983m	18.700	ug/l	
73) Bromobenzene	12.857	156	160256	17.798	ug/l	97
74) n-propylbenzene	12.916	91	723527	17.961	ug/l	97
75) 2-Chlorotoluene	13.004	91	457438	18.171	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	538440	18.184	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	59952	16.545	ug/l	93
78) 4-Chlorotoluene	13.098	91	421096	17.911	ug/l	99
79) tert-butylbenzene	13.321	119	488657	18.288	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	520723m	18.124	ug/l	
81) sec-Butylbenzene	13.498	105	644542	17.952	ug/l	97
82) p-Isopropyltoluene	13.610	119	522184	17.901	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	268644	18.234	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	252892	17.983	ug/l	99
85) n-Butylbenzene	13.939	91	364783	16.835	ug/l	96
86) Hexachloroethane	14.204	117	93397	17.145	ug/l	80
87) 1,2-Dichlorobenzene	13.986	146	262753	18.447	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	36792	17.214	ug/l	89
89) 1,2,4-Trichlorobenzene	15.257	180	110201	16.737	ug/l	98
90) Hexachlorobutadiene	15.362	225	72963	18.701	ug/l	97
91) Naphthalene	15.504	128	277159	17.808	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	108137	16.746	ug/l	98

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

