

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072522.D
 Acq On : 16 May 2022 23:47
 Operator : JC\MD
 Sample : N2804-03MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-2MS

Quant Time: May 17 07:22:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	23487	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	116281	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	106703	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	80969	30.637	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.133%			
60) 4-Bromofluorobenzene	12.727	95	60739	29.153	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.167%			
63) Toluene-d8	10.439	98	184007	31.591	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	37040	18.985	ug/l	96
3) Chloromethane	2.299	50	32136	18.237	ug/l	95
4) Vinyl Chloride	2.440	62	25910	17.418	ug/l	99
5) Bromomethane	2.846	94	21553	17.814	ug/l	91
6) Chloroethane	3.010	64	18765	19.317	ug/l #	89
7) Trichlorofluoromethane	3.369	101	67631	19.247	ug/l	98
8) Diethyl Ether	3.828	74	19287	18.246	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	30656	18.516	ug/l #	67
10) 1,1-Dichloroethene	4.181	96	26647	17.849	ug/l	94
11) Methyl Iodide	4.428	142	38711	17.219	ug/l	96
12) Methyl Acetate	4.857	43	41145	17.037	ug/l	95
13) Acrolein	4.040	56	30243	79.697	ug/l	99
14) Acrylonitrile	5.551	53	87795	86.164	ug/l	99
15) Acetone	4.287	58	24100	90.199	ug/l	85
16) Carbon Disulfide	4.534	76	67395	17.404	ug/l	97
17) Allyl chloride	4.840	41	45348	16.829	ug/l	94
18) Methylene Chloride	5.098	84	32747	18.532	ug/l	96
19) trans-1,2-Dichloroethene	5.598	96	29566	18.031	ug/l	90
20) Diisopropyl ether	6.493	45	97907	17.477	ug/l	97
21) 1,1-Dichloroethane	6.381	63	59937	17.891	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	35865	18.630	ug/l	96
23) tert-Butyl Alcohol	5.369	59	32176m	71.992	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	115730	18.897	ug/l	99
25) Chloroform	7.816	83	70500	19.512	ug/l	97
26) Cyclohexane	8.098	56	45457	16.720	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	44952	19.411	ug/l	93
30) 2-Butanone	7.334	43	126285	94.218	ug/l	96
31) 2,2-Dichloropropane	7.322	77	48565	16.903	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	66288	20.068	ug/l	98
33) Carbon Tetrachloride	8.204	117	60884	20.741	ug/l	91
34) Benzene	8.457	78	132307	20.106	ug/l #	94
35) Methacrylonitrile	7.634	41	25476	17.977	ug/l	92
36) 1,2-Dichloroethane	8.528	62	63592	20.751	ug/l	99
37) Trichloroethene	9.210	130	35019	19.616	ug/l	96
38) Methylcyclohexane	9.457	83	44237	16.522	ug/l	90
39) 1,2-Dichloropropane	9.486	63	31990	19.299	ug/l	96
40) Dibromomethane	9.581	93	25261	19.742	ug/l	90
41) Bromodichloromethane	9.757	83	55220	20.370	ug/l	88
42) Vinyl Acetate	6.434	43	414968	91.983	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	47281	18.063	ug/l	96
44) Isopropyl Acetate	8.557	43	76977	18.372	ug/l	96
45) 1,4-Dioxane	9.563	88	13508	338.478	ug/l #	88
46) Methyl methacrylate	9.557	41	37850	19.091	ug/l	94
47) n-amyl Acetate	12.386	43	46137	16.449	ug/l	93
48) t-1,3-Dichloropropene	10.716	75	51401	17.961	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	48435	16.792	ug/l	95
50) 1,1,2-Trichloroethane	10.892	97	34966	19.812	ug/l	99
51) Ethyl methacrylate	10.757	69	50183	18.234	ug/l	93
52) 1,3-Dichloropropane	11.039	76	59181	19.408	ug/l	99
53) Dibromochloromethane	11.233	129	41731	19.583	ug/l	98
54) 1,2-Dibromoethane	11.339	107	37018	19.718	ug/l	99
56) Bromoform	12.451	173	29383	18.283	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	249379	99.184	ug/l	99
59) 2-Hexanone	11.080	43	179257	97.049	ug/l	99
61) Tetrachloroethene	10.975	164	31342	19.614	ug/l	95
62) Toluene	10.504	91	144480	20.043	ug/l	99
64) Chlorobenzene	11.769	112	84612	18.817	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	38254	20.575	ug/l	97
66) Ethyl Benzene	11.839	91	149118	18.391	ug/l	98
67) m/p-Xylenes	11.951	106	117681	38.282	ug/l	96
68) o-Xylene	12.275	106	57352	18.874	ug/l	93
69) Styrene	12.292	104	85433	17.653	ug/l	96
70) Isopropylbenzene	12.574	105	149357	18.523	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	49922	20.274	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	42132m	18.244	ug/l	
73) Bromobenzene	12.857	156	36353	18.733	ug/l	99
74) n-propylbenzene	12.916	91	156819	17.766	ug/l	99
75) 2-Chlorotoluene	13.004	91	101826	17.854	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	125719	18.230	ug/l	99
77) t-1,4-Dichloro-2-butene	12.622	75	12267	16.076	ug/l	89
78) 4-Chlorotoluene	13.104	91	93891	17.565	ug/l	96
79) tert-butylbenzene	13.322	119	109104	18.006	ug/l	98
80) 1,2,4-Trimethylbenzene	13.363	105	119395	17.966	ug/l #	81
81) sec-Butylbenzene	13.498	105	136865	17.037	ug/l	100
82) p-Isopropyltoluene	13.610	119	112355	16.899	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	56541	17.068	ug/l	98
84) 1,4-Dichlorobenzene	13.686	146	55585	17.243	ug/l	99
85) n-Butylbenzene	13.939	91	76746	15.576	ug/l	98
86) Hexachloroethane	14.204	117	21287	17.388	ug/l	86
87) 1,2-Dichlorobenzene	13.986	146	58226	17.978	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	10988	18.957	ug/l	98
89) 1,2,4-Trichlorobenzene	15.263	180	20870	14.236	ug/l	97
90) Hexachlorobutadiene	15.368	225	14777	16.309	ug/l	96
91) Naphthalene	15.504	128	57605	17.000	ug/l	98
92) 1,2,3-Trichlorobenzene	15.692	180	21126	14.157	ug/l	96

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

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