

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072523.D
 Acq On : 17 May 2022 00:11
 Operator : JC\MD
 Sample : N2804-04MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-2MSD

Quant Time: May 17 07:22:46 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	23200	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	122744	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	111043	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	82887	31.750	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.833%			
60) 4-Bromofluorobenzene	12.727	95	62341	28.753	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.833%			
63) Toluene-d8	10.439	98	190809	31.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	39164	20.322	ug/l	91
3) Chloromethane	2.299	50	33288	19.125	ug/l	96
4) Vinyl Chloride	2.446	62	28575	19.447	ug/l	98
5) Bromomethane	2.840	94	22179	18.558	ug/l	89
6) Chloroethane	3.016	64	20571	21.438	ug/l	92
7) Trichlorofluoromethane	3.375	101	70541	20.323	ug/l	99
8) Diethyl Ether	3.822	74	20631	19.759	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	31432	19.220	ug/l #	49
10) 1,1-Dichloroethene	4.181	96	27883	18.908	ug/l	92
11) Methyl Iodide	4.422	142	42305	19.050	ug/l	96
12) Methyl Acetate	4.857	43	43098	18.066	ug/l	96
13) Acrolein	4.040	56	32085	85.597	ug/l	96
14) Acrylonitrile	5.551	53	94298	93.691	ug/l	100
15) Acetone	4.281	58	27246	103.235	ug/l	93
16) Carbon Disulfide	4.528	76	70804	18.510	ug/l #	90
17) Allyl chloride	4.840	41	47765	17.945	ug/l	90
18) Methylene Chloride	5.104	84	33829	19.381	ug/l	94
19) trans-1,2-Dichloroethene	5.598	96	30701	18.955	ug/l	92
20) Diisopropyl ether	6.498	45	103410	18.688	ug/l	99
21) 1,1-Dichloroethane	6.386	63	62829	18.986	ug/l	99
22) cis-1,2-Dichloroethene	7.328	96	37402	19.669	ug/l	95
23) tert-Butyl Alcohol	5.357	59	34983m	79.240	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	121714m	20.120	ug/l	
25) Chloroform	7.816	83	72109	20.204	ug/l	97
26) Cyclohexane	8.092	56	47886	17.832	ug/l #	100
29) 1,1-Dichloropropene	8.216	75	46446	19.000	ug/l	96
30) 2-Butanone	7.328	43	128356	90.721	ug/l	97
31) 2,2-Dichloropropane	7.322	77	48504	15.993	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	70959	20.351	ug/l	99
33) Carbon Tetrachloride	8.204	117	61252	19.767	ug/l	94
34) Benzene	8.457	78	135157	19.458	ug/l	96
35) Methacrylonitrile	7.633	41	29239	19.546	ug/l	97
36) 1,2-Dichloroethane	8.528	62	66446	20.541	ug/l	98
37) Trichloroethene	9.210	130	36005	19.106	ug/l	99
38) Methylcyclohexane	9.457	83	46274	16.373	ug/l	91
39) 1,2-Dichloropropane	9.486	63	33942	19.399	ug/l	99
40) Dibromomethane	9.569	93	27872	20.636	ug/l	92
41) Bromodichloromethane	9.757	83	56198	19.639	ug/l	99
42) Vinyl Acetate	6.434	43	431516m	90.615	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	49559	17.937	ug/l	98
44) Isopropyl Acetate	8.557	43	78226	17.687	ug/l	98
45) 1,4-Dioxane	9.569	88	14598	346.531	ug/l	94
46) Methyl methacrylate	9.557	41	41412	19.787	ug/l	84
47) n-amyl Acetate	12.386	43	50386	17.018	ug/l	93
48) t-1,3-Dichloropropene	10.716	75	52584	17.407	ug/l	96
49) cis-1,3-Dichloropropene	10.186	75	52590	17.272	ug/l	97
50) 1,1,2-Trichloroethane	10.898	97	37863	20.324	ug/l	93
51) Ethyl methacrylate	10.757	69	52166	17.957	ug/l	98
52) 1,3-Dichloropropane	11.039	76	62532	19.427	ug/l	100
53) Dibromochloromethane	11.233	129	43071	19.147	ug/l	99
54) 1,2-Dibromoethane	11.339	107	38141	19.246	ug/l	98
56) Bromoform	12.457	173	31419	18.520	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	259058	99.007	ug/l	98
59) 2-Hexanone	11.080	43	189841	98.762	ug/l	99
61) Tetrachloroethene	10.974	164	33650	20.235	ug/l	90
62) Toluene	10.504	91	151229	20.159	ug/l	95
64) Chlorobenzene	11.769	112	90941	19.434	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.833	131	39928	20.636	ug/l	96
66) Ethyl Benzene	11.839	91	160475	19.018	ug/l	100
67) m/p-Xylenes	11.951	106	125114	39.109	ug/l	98
68) o-Xylene	12.274	106	60528	19.140	ug/l	93
69) Styrene	12.292	104	86752	17.225	ug/l	94
70) Isopropylbenzene	12.574	105	157497	18.769	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	53428	20.850	ug/l	96
72) 1,2,3-Trichloropropane	12.880	75	49895m	20.761	ug/l	
73) Bromobenzene	12.857	156	37467	18.553	ug/l	97
74) n-propylbenzene	12.915	91	158844	17.292	ug/l	98
75) 2-Chlorotoluene	13.004	91	111112	18.721	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	131493	18.322	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	12318	15.512	ug/l	93
78) 4-Chlorotoluene	13.098	91	99166	17.826	ug/l	99
79) tert-butylbenzene	13.321	119	115588	18.331	ug/l	100
80) 1,2,4-Trimethylbenzene	13.363	105	130178m	18.823	ug/l	
81) sec-Butylbenzene	13.498	105	142575	17.054	ug/l	98
82) p-Isopropyltoluene	13.610	119	119913	17.331	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	61350	17.796	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	58723	17.505	ug/l	97
85) n-Butylbenzene	13.939	91	80076	15.617	ug/l	97
86) Hexachloroethane	14.204	117	21935	17.217	ug/l	83
87) 1,2-Dichlorobenzene	13.986	146	61974	18.388	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	11584	19.204	ug/l	95
89) 1,2,4-Trichlorobenzene	15.262	180	22816	14.955	ug/l	98
90) Hexachlorobutadiene	15.362	225	16204	17.185	ug/l	96
91) Naphthalene	15.504	128	63751	17.586	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	23684	15.250	ug/l	95

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

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