

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072669.D
 Acq On : 06 Jun 2022 17:53
 Operator : JC\MD
 Sample : VN0606WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 07 06:28:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

06/07/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.657	128	36586	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	215596	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.739	117	192902	30.000	ug/l	0.00

06/07/2022

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	132421	31.736	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.800%
60) 4-Bromofluorobenzene	12.727	95	120322	30.327	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.100%
63) Toluene-d8	10.439	98	338751	31.701	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.667%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	53763	19.616	ug/l	96
3) Chloromethane	2.293	50	55254	18.540	ug/l	97
4) Vinyl Chloride	2.434	62	52109	19.391	ug/l	98
5) Bromomethane	2.846	94	27456	19.757	ug/l	95
6) Chloroethane	3.010	64	38780	21.643	ug/l	98
7) Trichlorofluoromethane	3.369	101	96072	19.776	ug/l	98
8) Diethyl Ether	3.822	74	39523	20.983	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.210	101	52950	20.689	ug/l	75
10) 1,1-Dichloroethene	4.175	96	47324	19.578	ug/l	87
11) Methyl Iodide	4.416	142	44984	18.587	ug/l	94
12) Methyl Acetate	4.851	43	106922	21.439	ug/l	94
13) Acrolein	4.040	56	44754	102.515	ug/l	96
14) Acrylonitrile	5.551	53	223434	109.909	ug/l	99
15) Acetone	4.281	58	60088	109.168	ug/l	86
16) Carbon Disulfide	4.528	76	109930	18.040	ug/l	98
17) Allyl chloride	4.840	41	108415	20.762	ug/l	89
18) Methylene Chloride	5.087	84	63754	21.005	ug/l	90
19) trans-1,2-Dichloroethene	5.592	96	51636	19.740	ug/l	90
20) Diisopropyl ether	6.492	45	219234	21.199	ug/l	97
21) 1,1-Dichloroethane	6.381	63	117813	20.505	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	66970	20.439	ug/l	92
23) tert-Butyl Alcohol	5.363	59	108197	114.370	ug/l	# 100
24) Methyl tert-Butyl Ether	5.610	73	231398	21.525	ug/l	97
25) Chloroform	7.816	83	122490	20.753	ug/l	98
26) Cyclohexane	8.092	56	94721	19.773	ug/l	# 93
29) 1,1-Dichloropropene	8.216	75	81081	19.729	ug/l	96
30) 2-Butanone	7.334	43	334985	112.628	ug/l	95
31) 2,2-Dichloropropane	7.316	77	107090	19.250	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	104924	19.512	ug/l	95
33) Carbon Tetrachloride	8.204	117	89003	19.193	ug/l	99
34) Benzene	8.457	78	246946	20.310	ug/l	98
35) Methacrylonitrile	7.628	41	59671	20.461	ug/l	95
36) 1,2-Dichloroethane	8.528	62	106505	20.734	ug/l	98
37) Trichloroethene	9.216	130	58589	19.988	ug/l	92
38) Methylcyclohexane	9.457	83	97148	19.801	ug/l	92
39) 1,2-Dichloropropane	9.486	63	68149	20.402	ug/l	95
40) Dibromomethane	9.575	93	47904	20.891	ug/l	93
41) Bromodichloromethane	9.757	83	100538	20.497	ug/l	95
42) Vinyl Acetate	6.428	43	1041129	107.523	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	135465	23.772	ug/l	#	92
44) Isopropyl Acetate	8.557	43	202550	21.428	ug/l		99
45) 1,4-Dioxane	9.569	88	36721	472.728	ug/l	#	85
46) Methyl methacrylate	9.557	41	91199	21.577	ug/l		88
47) n-amyl Acetate	12.386	43	149571	20.668	ug/l		97
48) t-1,3-Dichloropropene	10.716	75	113173	20.214	ug/l		99
49) cis-1,3-Dichloropropene	10.186	75	115557	20.326	ug/l		99
50) 1,1,2-Trichloroethane	10.898	97	68517	21.135	ug/l		96
51) Ethyl methacrylate	10.757	69	123470	21.026	ug/l		95
52) 1,3-Dichloropropane	11.039	76	121821	21.116	ug/l		100
53) Dibromochloromethane	11.233	129	73562	20.566	ug/l		99
54) 1,2-Dibromoethane	11.345	107	71540	20.987	ug/l		99
55) 2-Chloroethyl vinyl ether	10.039	63	223832	97.323	ug/l		97
56) Bromoform	12.457	173	50424	20.233	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.327	43	665481	115.019	ug/l		97
59) 2-Hexanone	11.080	43	505202	115.172	ug/l		99
61) Tetrachloroethene	10.974	164	50931	21.335	ug/l		97
62) Toluene	10.504	91	273580	20.916	ug/l		98
64) Chlorobenzene	11.769	112	165997	20.845	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.839	131	66704	21.246	ug/l		98
66) Ethyl Benzene	11.839	91	316365	21.067	ug/l		97
67) m/p-Xylenes	11.951	106	225544	41.178	ug/l		95
68) o-Xylene	12.274	106	114831	20.551	ug/l		91
69) Styrene	12.292	104	181271	20.437	ug/l		96
70) Isopropylbenzene	12.574	105	303724	20.802	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.821	83	112188	22.699	ug/l		97
72) 1,2,3-Trichloropropane	12.880	75	96269m	22.319	ug/l		
73) Bromobenzene	12.857	156	60446	20.365	ug/l		71
74) n-propylbenzene	12.916	91	335978	20.109	ug/l		99
75) 2-Chlorotoluene	13.004	91	216223	20.878	ug/l		93
76) 1,3,5-Trimethylbenzene	13.057	105	250447	20.898	ug/l		99
77) t-1,4-Dichloro-2-butene	12.621	75	37294	20.514	ug/l		99
78) 4-Chlorotoluene	13.104	91	194252	19.855	ug/l		92
79) tert-butylbenzene	13.321	119	219334	20.500	ug/l		95
80) 1,2,4-Trimethylbenzene	13.498	105	298143	20.633	ug/l		100
81) sec-Butylbenzene	13.498	105	298143	20.633	ug/l		99
82) p-Isopropyltoluene	13.610	119	235276	20.396	ug/l		97
83) 1,3-Dichlorobenzene	13.610	146	107289	20.648	ug/l		98
84) 1,4-Dichlorobenzene	13.692	146	102184	20.253	ug/l		96
85) n-Butylbenzene	13.939	91	194571	19.893	ug/l		98
86) Hexachloroethane	14.210	117	52346	20.507	ug/l		87
87) 1,2-Dichlorobenzene	13.986	146	105148	20.447	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	25869	20.875	ug/l		88
89) 1,2,4-Trichlorobenzene	15.262	180	51219	19.765	ug/l		97
90) Hexachlorobutadiene	15.368	225	22409	19.275	ug/l		95
91) Naphthalene	15.504	128	209010	20.214	ug/l		99
92) 1,2,3-Trichlorobenzene	15.698	180	53505	20.295	ug/l		98

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

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