

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041822\
 Data File : VN072031.D
 Acq On : 18 Apr 2022 12:57
 Operator : JC\MD
 Sample : VN0418WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Quant Time: Apr 18 15:24:54 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

Manual Integrations APPROVED

Reviewed By : John Carlone 04/19/2022
 Supervised By : Mahesh Dadoda 04/19/2022

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 Dadoda
 04/19/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.651	128	104975	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	567950	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	520298	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	202406	27.367	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.233%
60) 4-Bromofluorobenzene	12.727	95	228593	29.631	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.767%
63) Toluene-d8	10.439	98	707829	29.969	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	139332	21.324	ug/l	98
3) Chloromethane	2.299	50	140189	18.204	ug/l	97
4) Vinyl Chloride	2.446	62	140455	15.904	ug/l	96
5) Bromomethane	2.851	94	94833	18.223	ug/l	96
6) Chloroethane	3.016	64	86991	15.382	ug/l	98
7) Trichlorofluoromethane	3.375	101	202064	19.624	ug/l	97
8) Diethyl Ether	3.822	74	80469	18.599	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	125973	20.428	ug/l #	62
10) 1,1-Dichloroethene	4.187	96	118527	19.489	ug/l	89
11) Methyl Iodide	4.422	142	165987	18.625	ug/l	86
12) Methyl Acetate	4.851	43	151754	17.706	ug/l	99
13) Acrolein	4.040	56	53308	58.462	ug/l	97
14) Acrylonitrile	5.551	53	355412	91.558	ug/l	96
15) Acetone	4.281	58	107643	96.358	ug/l #	67
16) Carbon Disulfide	4.534	76	309601	19.552	ug/l	97
17) Allyl chloride	4.840	41	163848	16.610	ug/l	76
18) Methylene Chloride	5.098	84	145695	19.969	ug/l	92
19) trans-1,2-Dichloroethene	5.598	96	127424	19.589	ug/l	96
20) Diisopropyl ether	6.492	45	380654	18.443	ug/l	93
21) 1,1-Dichloroethane	6.381	63	231637	18.589	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	154092	19.498	ug/l	93
23) tert-Butyl Alcohol	5.357	59	103061	74.404	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	403830m	18.399	ug/l	
25) Chloroform	7.810	83	242491	19.349	ug/l	100
26) Cyclohexane	8.092	56	205329	19.063	ug/l #	97
29) 1,1-Dichloropropene	8.216	75	178664	19.435	ug/l	99
30) 2-Butanone	7.328	43	446950	87.344	ug/l	95
31) 2,2-Dichloropropane	7.322	77	192008	18.335	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	205524	19.196	ug/l	98
33) Carbon Tetrachloride	8.204	117	177451	19.579	ug/l	99
34) Benzene	8.457	78	573985	20.096	ug/l	97
35) Methacrylonitrile	7.628	41	81075	16.514	ug/l	91
36) 1,2-Dichloroethane	8.528	62	178895	17.954	ug/l #	93
37) Trichloroethene	9.210	130	145845	19.790	ug/l	98
38) Methylcyclohexane	9.457	83	228346	19.707	ug/l	98
39) 1,2-Dichloropropane	9.486	63	139317	19.496	ug/l	95
40) Dibromomethane	9.569	93	93732	19.379	ug/l	86
41) Bromodichloromethane	9.757	83	187651	19.388	ug/l	97
42) Vinyl Acetate	6.428	43	1535169	87.557	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	168731	17.005	ug/l	96
44) Isopropyl Acetate	8.557	43	269410	16.929	ug/l	93
45) 1,4-Dioxane	9.563	88	54298	338.165	ug/l	92
46) Methyl methacrylate	9.557	41	121011	17.340	ug/l	77
47) n-amyl Acetate	12.386	43	166920m	15.718	ug/l	
48) t-1,3-Dichloropropene	10.716	75	191130	18.168	ug/l	100
49) cis-1,3-Dichloropropene	10.180	75	217448	18.901	ug/l #	81
50) 1,1,2-Trichloroethane	10.892	97	146529	20.265	ug/l	99
51) Ethyl methacrylate	10.757	69	207468	18.583	ug/l	74
52) 1,3-Dichloropropane	11.039	76	238952	19.351	ug/l	99
53) Dibromochloromethane	11.233	129	147156	19.660	ug/l	100
54) 1,2-Dibromoethane	11.339	107	144675	19.451	ug/l	97
55) 2-Chloroethyl vinyl ether	10.033	63	237286	78.885	ug/l	98
56) Bromoform	12.451	173	112786	19.543	ug/l #	99
58) 4-Methyl-2-Pentanone	10.322	43	861097	87.184	ug/l #	88
59) 2-Hexanone	11.080	43	612357	84.918	ug/l #	87
61) Tetrachloroethene	10.974	164	135142	21.342	ug/l	89
62) Toluene	10.498	91	631661	20.022	ug/l	96
64) Chlorobenzene	11.763	112	381416	19.600	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	139389	19.525	ug/l	99
66) Ethyl Benzene	11.839	91	665025	19.397	ug/l	98
67) m/p-Xylenes	11.951	106	529288	39.684	ug/l	96
68) o-Xylene	12.274	106	250627	18.906	ug/l	96
69) Styrene	12.292	104	396285	18.994	ug/l	98
70) Isopropylbenzene	12.574	105	646806	19.440	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	213402	19.707	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	176239m	18.944	ug/l	
73) Bromobenzene	12.857	156	157981	19.463	ug/l	92
74) n-propylbenzene	12.916	91	701597	19.320	ug/l	97
75) 2-Chlorotoluene	13.004	91	440405	19.407	ug/l	99
76) 1,3,5-Trimethylbenzene	13.051	105	537428	20.133	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	54581	16.709	ug/l	88
78) 4-Chlorotoluene	13.098	91	404160	19.069	ug/l	98
79) tert-butylbenzene	13.316	119	471679	19.581	ug/l	92
80) 1,2,4-Trimethylbenzene	13.363	105	519539	20.059	ug/l #	80
81) sec-Butylbenzene	13.498	105	632042	19.528	ug/l	97
82) p-Isopropyltoluene	13.610	119	517715	19.687	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	265171	19.965	ug/l	98
84) 1,4-Dichlorobenzene	13.686	146	243051	19.172	ug/l	97
85) n-Butylbenzene	13.939	91	354541	18.151	ug/l	94
86) Hexachloroethane	14.204	117	91457	18.624	ug/l	74
87) 1,2-Dichlorobenzene	13.986	146	258866	20.160	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	33036	17.146	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.257	180	110483	18.614	ug/l	98
90) Hexachlorobutadiene	15.362	225	78978	22.454	ug/l	98
91) Naphthalene	15.504	128	264814	18.462	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	108671	18.667	ug/l	98

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

