

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072629.D
 Acq On : 26 May 2022 14:20
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 26 15:09:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 26 15:08:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	31036	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	171008	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	158221	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	85230	25.774	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	85.900%#		
60) 4-Bromofluorobenzene	12.727	95	79384	26.087	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	86.967%		
63) Toluene-d8	10.433	98	270899	31.140	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.063	85	10779	4.318	ug/l	97
3) Chloromethane	2.293	50	14058	5.887	ug/l	89
4) Vinyl Chloride	2.440	62	10388	5.123	ug/l #	88
5) Bromomethane	2.822	94	5445	3.579	ug/l	96
6) Chloroethane	2.993	64	6641	4.988	ug/l	95
7) Trichlorofluoromethane	3.363	101	18242	4.140	ug/l	99
8) Diethyl Ether	3.822	74	7404m	5.152	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.199	101	10324m	4.786	ug/l	
10) 1,1-Dichloroethene	4.175	96	9628	4.810	ug/l	87
11) Methyl Iodide	4.416	142	7318m	2.646	ug/l	
12) Methyl Acetate	4.840	43	18460	5.591	ug/l #	86
13) Acrolein	4.028	56	13038	27.046	ug/l	100
14) Acrylonitrile	5.546	53	37677	26.448	ug/l	95
15) Acetone	4.287	58	10391	27.874	ug/l	69
16) Carbon Disulfide	4.528	76	26293	5.064	ug/l	96
17) Allyl chloride	4.822	41	16517	4.471	ug/l	79
18) Methylene Chloride	5.099	84	13757	5.680	ug/l #	88
19) trans-1,2-Dichloroethene	5.587	96	10556	4.804	ug/l	90
20) Diisopropyl ether	6.487	45	42500	5.487	ug/l	91
21) 1,1-Dichloroethane	6.381	63	21913	4.898	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	12483	4.805	ug/l	93
23) tert-Butyl Alcohol	5.351	59	13986m	24.047	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	35031	4.373	ug/l #	73
25) Chloroform	7.810	83	21860	4.624	ug/l	86
26) Cyclohexane	8.092	56	19350	5.225	ug/l #	91
29) 1,1-Dichloropropene	8.210	75	15174	4.403	ug/l	98
30) 2-Butanone	7.328	43	53684	25.947	ug/l	96
31) 2,2-Dichloropropane	7.316	77	16577	3.986	ug/l	97
32) 1,1,1-Trichloroethane	8.004	97	17026	3.624	ug/l	95
33) Carbon Tetrachloride	8.198	117	15560	3.770	ug/l	93
34) Benzene	8.457	78	50747	5.089	ug/l #	92
35) Methacrylonitrile	7.628	41	10879m	5.105	ug/l	
36) 1,2-Dichloroethane	8.522	62	16621	3.852	ug/l #	91
37) Trichloroethene	9.216	130	11570	4.406	ug/l	97
38) Methylcyclohexane	9.457	83	19026	4.749	ug/l	94
39) 1,2-Dichloropropane	9.481	63	13261	5.234	ug/l	94
40) Dibromomethane	9.575	93	8709	4.644	ug/l	92
41) Bromodichloromethane	9.757	83	16533	4.183	ug/l	97
42) Vinyl Acetate	6.428	43	166718m	24.237	ug/l	

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	21020	5.239	ug/l	95
44) Isopropyl Acetate	8.551	43	29170	4.596	ug/l	91
45) 1,4-Dioxane	9.569	88	5062	86.174	ug/l #	81
46) Methyl methacrylate	9.551	41	13405	4.457	ug/l	81
47) n-amyl Acetate	12.386	43	18239	4.187	ug/l	97
48) t-1,3-Dichloropropene	10.716	75	16684	3.982	ug/l	96
49) cis-1,3-Dichloropropene	10.181	75	18485	4.296	ug/l	91
50) 1,1,2-Trichloroethane	10.892	97	12889	4.871	ug/l	97
51) Ethyl methacrylate	10.757	69	18785	4.485	ug/l	83
52) 1,3-Dichloropropane	11.039	76	22381	4.888	ug/l	97
53) Dibromochloromethane	11.233	129	13050	4.248	ug/l	99
54) 1,2-Dibromoethane	11.339	107	13103	4.674	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	42252	34.851	ug/l	97
56) Bromoform	12.457	173	8496	3.641	ug/l #	96
58) 4-Methyl-2-Pentanone	10.328	43	100913	25.665	ug/l	97
59) 2-Hexanone	11.081	43	70311	24.504	ug/l	98
61) Tetrachloroethene	10.975	164	10684	4.561	ug/l #	85
62) Toluene	10.498	91	55171	5.031	ug/l	96
64) Chlorobenzene	11.763	112	32022	4.748	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.833	131	11833	4.332	ug/l	94
66) Ethyl Benzene	11.839	91	53614	4.411	ug/l	99
67) m/p-Xylenes	11.945	106	40857	8.867	ug/l	98
68) o-Xylene	12.275	106	19646	4.305	ug/l	100
69) Styrene	12.292	104	28780	3.973	ug/l	98
70) Isopropylbenzene	12.575	105	49547	4.122	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	18945	5.059	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	16203m	4.705	ug/l	
73) Bromobenzene	12.851	156	12020	4.213	ug/l	95
74) n-propylbenzene	12.916	91	54044	4.078	ug/l	99
75) 2-Chlorotoluene	13.004	91	34919	4.163	ug/l	96
76) 1,3,5-Trimethylbenzene	13.057	105	40332	3.994	ug/l	99
77) t-1,4-Dichloro-2-butene	12.622	75	5228	4.387	ug/l	95
78) 4-Chlorotoluene	13.098	91	31430	3.985	ug/l	93
79) tert-butylbenzene	13.322	119	33971	3.807	ug/l	98
80) 1,2,4-Trimethylbenzene	13.363	105	36381	3.725	ug/l #	80
81) sec-Butylbenzene	13.498	105	46360	3.888	ug/l	99
82) p-Isopropyltoluene	13.610	119	35126	3.603	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	19052	3.926	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	18113	3.833	ug/l	96
85) n-Butylbenzene	13.933	91	25476	3.447	ug/l	98
86) Hexachloroethane	14.204	117	7756	4.222	ug/l	91
87) 1,2-Dichlorobenzene	13.986	146	19582	4.114	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.598	75	3291	3.904	ug/l	98
89) 1,2,4-Trichlorobenzene	15.257	180	7541	3.400	ug/l	98
90) Hexachlorobutadiene	15.363	225	4988	3.838	ug/l	98
91) Naphthalene	15.504	128	20978	3.047	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	8100	3.596	ug/l	96

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

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