

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071515.D
 Acq On : 24 Mar 2022 11:41
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 24 12:00:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 11:41:47 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	110495	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	599571	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	576299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	227975	26.544	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	88.467%#		
60) 4-Bromofluorobenzene	12.727	95	266516	30.146	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.500%		
63) Toluene-d8	10.439	98	747591	28.192	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	93.967%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	1018650	143.115	ug/l	98
3) Chloromethane	2.298	50	1155989	125.321	ug/l	98
4) Vinyl Chloride	2.440	62	1370162	155.469	ug/l	99
5) Bromomethane	2.816	94	479947	103.236	ug/l	97
6) Chloroethane	2.981	64	853006	157.757	ug/l	97
7) Trichlorofluoromethane	3.357	101	1569596	142.975	ug/l	98
8) Diethyl Ether	3.822	74	680823	142.871	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	929423	147.892	ug/l #	65
10) 1,1-Dichloroethene	4.175	96	953259	150.530	ug/l	100
11) Methyl Iodide	4.416	142	1445751	163.259	ug/l	88
12) Methyl Acetate	4.845	43	1309251	113.910	ug/l	98
13) Acrolein	4.034	56	732024	504.617	ug/l	95
14) Acrylonitrile	5.545	53	3090763	637.676	ug/l	98
15) Acetone	4.275	58	816368	623.982	ug/l	90
16) Carbon Disulfide	4.528	76	2528608	148.506	ug/l	97
17) Allyl chloride	4.834	41	1589248	127.428	ug/l	86
18) Methylene Chloride	5.087	84	1097450	142.700	ug/l	99
19) trans-1,2-Dichloroethene	5.592	96	1016095	152.167	ug/l	96
20) Diisopropyl ether	6.492	45	3215560	126.056	ug/l	92
21) 1,1-Dichloroethane	6.381	63	1921922	140.054	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	1243569	153.382	ug/l	97
23) tert-Butyl Alcohol	5.369	59	1207504	678.123	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	3463924	144.627	ug/l	92
25) Chloroform	7.810	83	1922655	144.234	ug/l	98
26) Cyclohexane	8.092	56	1683624	136.095	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	1492813	154.886	ug/l	98
30) 2-Butanone	7.328	43	4098997	626.060	ug/l	99
31) 2,2-Dichloropropane	7.322	77	1682050	179.224	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	1703072	151.894	ug/l	99
33) Carbon Tetrachloride	8.204	117	1466290	153.658	ug/l	99
34) Benzene	8.457	78	4458732	149.298	ug/l	96
35) Methacrylonitrile	7.633	41	791069	124.541	ug/l	97
36) 1,2-Dichloroethane	8.527	62	1538038	145.079	ug/l	96
37) Trichloroethene	9.210	130	1185470	163.786	ug/l	99
38) Methylcyclohexane	9.457	83	1900870	162.240	ug/l	98
39) 1,2-Dichloropropane	9.486	63	1124423	143.769	ug/l	97
40) Dibromomethane	9.569	93	763011	152.095	ug/l	88
41) Bromodichloromethane	9.757	83	1566705	155.344	ug/l	95
42) Vinyl Acetate	6.428	43	14404729	670.517	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	1567788	123.036	ug/l	95
44) Isopropyl Acetate	8.557	43	2567202	125.852	ug/l	96
45) 1,4-Dioxane	9.563	88	534557	2871.378	ug/l	94
46) Methyl methacrylate	9.557	41	1172268	129.513	ug/l	85
47) n-amyl Acetate	12.380	43	1925628	142.533	ug/l	96
48) t-1,3-Dichloropropene	10.716	75	1805038	164.599	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	1921208	161.345	ug/l #	87
50) 1,1,2-Trichloroethane	10.892	97	1145834	155.544	ug/l	99
51) Ethyl methacrylate	10.757	69	1957332	158.542	ug/l	84
52) 1,3-Dichloropropane	11.039	76	1961516	149.503	ug/l	99
53) Dibromochloromethane	11.233	129	1248904	163.636	ug/l	100
54) 1,2-Dibromoethane	11.339	107	1207966	158.831	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	3034721	810.927	ug/l	98
56) Bromoform	12.451	173	1004429	170.026	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	8298116	629.027	ug/l	92
59) 2-Hexanone	11.080	43	6104066	623.016	ug/l	91
61) Tetrachloroethene	10.974	164	994459	154.001	ug/l	91
62) Toluene	10.504	91	4974973	149.532	ug/l	96
64) Chlorobenzene	11.763	112	3190446	157.781	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	1182533	157.660	ug/l	99
66) Ethyl Benzene	11.839	91	5775137	158.347	ug/l	97
67) m/p-Xylenes	11.951	106	4482870	323.236	ug/l	96
68) o-Xylene	12.274	106	2261434	163.235	ug/l	96
69) Styrene	12.286	104	3730764	170.835	ug/l	97
70) Isopropylbenzene	12.574	105	5665489	161.348	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	1700790	141.369	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	1342166m	121.420	ug/l	
73) Bromobenzene	12.857	156	1382190	167.236	ug/l	96
74) n-propylbenzene	12.915	91	6390398	165.899	ug/l	97
75) 2-Chlorotoluene	13.004	91	3827652	158.237	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	4545561	162.606	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	603131	167.944	ug/l	90
78) 4-Chlorotoluene	13.098	91	3703044	164.922	ug/l	99
79) tert-butylbenzene	13.321	119	4118237	161.953	ug/l	94
80) 1,2,4-Trimethylbenzene	13.362	105	4447716m	165.123	ug/l	
81) sec-Butylbenzene	13.498	105	5646377	166.276	ug/l	97
82) p-Isopropyltoluene	13.609	119	4638569	170.173	ug/l	97
83) 1,3-Dichlorobenzene	13.609	146	2310595	171.713	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	2205797	171.664	ug/l	98
85) n-Butylbenzene	13.939	91	3685255	181.885	ug/l	95
86) Hexachloroethane	14.204	117	848674	162.985	ug/l	80
87) 1,2-Dichlorobenzene	13.986	146	2138110	163.225	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	346490	153.194	ug/l #	83
89) 1,2,4-Trichlorobenzene	15.256	180	1201734	199.567	ug/l	97
90) Hexachlorobutadiene	15.362	225	556470	160.931	ug/l	98
91) Naphthalene	15.498	128	3635170	197.563	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	1178396	192.363	ug/l	98

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

