

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072633.D
 Acq On : 26 May 2022 15:56
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 26 16:14:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 26 15:53:28 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.651	128	29564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	196724	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	179888	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	88333	28.042	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.467%		
60) 4-Bromofluorobenzene	12.727	95	97923	28.303	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.333%		
63) Toluene-d8	10.439	98	296037	29.931	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.767%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	280904	118.141	ug/l	98
3) Chloromethane	2.293	50	417537	183.541	ug/l	97
4) Vinyl Chloride	2.434	62	378688	196.072	ug/l	98
5) Bromomethane	2.810	94	189690	130.879	ug/l	96
6) Chloroethane	2.975	64	224162	176.734	ug/l	100
7) Trichlorofluoromethane	3.351	101	423573	100.905	ug/l	99
8) Diethyl Ether	3.816	74	177510	129.675	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.198	101	226274	110.125	ug/l	76
10) 1,1-Dichloroethene	4.169	96	225783	118.415	ug/l	86
11) Methyl Iodide	4.410	142	235045	89.206	ug/l	96
12) Methyl Acetate	4.845	43	481432	153.070	ug/l #	87
13) Acrolein	4.034	56	250013	544.459	ug/l	99
14) Acrylonitrile	5.545	53	1012170	745.894	ug/l	99
15) Acetone	4.275	58	253629	714.236	ug/l	82
16) Carbon Disulfide	4.522	76	644749	130.351	ug/l	98
17) Allyl chloride	4.828	41	535974	152.312	ug/l	86
18) Methylene Chloride	5.087	84	278713m	120.797	ug/l	
19) trans-1,2-Dichloroethene	5.587	96	241944	115.600	ug/l #	85
20) Diisopropyl ether	6.486	45	1096053	148.559	ug/l #	89
21) 1,1-Dichloroethane	6.381	63	543714	127.589	ug/l	98
22) cis-1,2-Dichloroethene	7.316	96	299798	121.156	ug/l	89
23) tert-Butyl Alcohol	5.369	59	354263	639.425	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	930075	121.898	ug/l	98
25) Chloroform	7.816	83	672514	149.344	ug/l	99
26) Cyclohexane	8.092	56	689924	195.578	ug/l #	92
29) 1,1-Dichloropropene	8.216	75	542395	136.812	ug/l	97
30) 2-Butanone	7.328	43	1539117	646.645	ug/l #	91
31) 2,2-Dichloropropane	7.316	77	461160	96.390	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	631730	116.900	ug/l	99
33) Carbon Tetrachloride	8.198	117	522387	110.032	ug/l	98
34) Benzene	8.457	78	1592966	138.866	ug/l	97
35) Methacrylonitrile	7.639	41	390333m	159.207	ug/l	
36) 1,2-Dichloroethane	8.522	62	521003	104.975	ug/l	98
37) Trichloroethene	9.210	130	414470	137.200	ug/l	96
38) Methylcyclohexane	9.457	83	669589	145.296	ug/l	94
39) 1,2-Dichloropropane	9.486	63	439774	150.899	ug/l	98
40) Dibromomethane	9.574	93	268616	124.511	ug/l	97
41) Bromodichloromethane	9.757	83	565740	124.423	ug/l	95
42) Vinyl Acetate	6.428	43	5053009	638.574	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	586616	127.085	ug/l	96
44) Isopropyl Acetate	8.557	43	1100977	150.803	ug/l	98
45) 1,4-Dioxane	9.563	88	168262	2489.986	ug/l	90
46) Methyl methacrylate	9.557	41	542573	156.806	ug/l	85
47) n-amyl Acetate	12.380	43	856288	170.885	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	678235	140.720	ug/l	97
49) cis-1,3-Dichloropropene	10.186	75	664088	134.153	ug/l	91
50) 1,1,2-Trichloroethane	10.892	97	432237	141.996	ug/l	97
51) Ethyl methacrylate	10.757	69	762608	158.282	ug/l	89
52) 1,3-Dichloropropane	11.039	76	756433	143.613	ug/l	99
53) Dibromochloromethane	11.233	129	461020	130.452	ug/l	99
54) 1,2-Dibromoethane	11.339	107	451672	140.058	ug/l	97
55) 2-Chloroethyl vinyl ether	10.033	63	1566814	1123.438	ug/l	96
56) Bromoform	12.451	173	336545	125.366	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	3650363	816.570	ug/l	96
59) 2-Hexanone	11.080	43	2606293	798.906	ug/l	97
61) Tetrachloroethene	10.974	164	352439	132.334	ug/l	93
62) Toluene	10.498	91	1715986	137.641	ug/l	98
64) Chlorobenzene	11.763	112	1102386	143.776	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	419684	135.144	ug/l	99
66) Ethyl Benzene	11.839	91	2062766	149.253	ug/l	99
67) m/p-Xylenes	11.951	106	1542721	294.488	ug/l	99
68) o-Xylene	12.274	106	762297	146.936	ug/l	99
69) Styrene	12.286	104	1265439	153.661	ug/l	97
70) Isopropylbenzene	12.574	105	1975059	144.536	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	602178	141.429	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	556566m	142.160	ug/l	
73) Bromobenzene	12.857	156	437695	134.939	ug/l	94
74) n-propylbenzene	12.915	91	2308590	153.229	ug/l	100
75) 2-Chlorotoluene	13.004	91	1333371	139.829	ug/l	97
76) 1,3,5-Trimethylbenzene	13.057	105	1546294	134.679	ug/l	97
77) t-1,4-Dichloro-2-butene	12.621	75	228732	168.800	ug/l	86
78) 4-Chlorotoluene	13.098	91	1267737	141.370	ug/l	96
79) tert-butylbenzene	13.315	119	1400359	138.044	ug/l	95
80) 1,2,4-Trimethylbenzene	13.362	105	1507297m	135.732	ug/l	
81) sec-Butylbenzene	13.498	105	1984213	146.360	ug/l	100
82) p-Isopropyltoluene	13.610	119	1580700	142.616	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	755747	136.962	ug/l	98
84) 1,4-Dichlorobenzene	13.686	146	735073	136.813	ug/l	99
85) n-Butylbenzene	13.939	91	1378962	164.084	ug/l	96
86) Hexachloroethane	14.204	117	298306	142.833	ug/l	90
87) 1,2-Dichlorobenzene	13.980	146	716463	132.389	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	134133	139.960	ug/l	91
89) 1,2,4-Trichlorobenzene	15.256	180	413955	164.168	ug/l	97
90) Hexachlorobutadiene	15.368	225	179300	121.338	ug/l	98
91) Naphthalene	15.498	128	1510462	192.965	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	409556	159.922	ug/l	98

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

