

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073069.D
 Acq On : 24 Jun 2022 01:34
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 24 04:21:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:19:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Bromochloromethane	7.586	128	44828	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	252545	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	233731	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	126706	25.645	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	85.500%	#	
60) 4-Bromofluorobenzene	12.668	95	140059	29.547	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.500%		
63) Toluene-d8	10.375	98	372099	28.961	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.533%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	551285	160.129	ug/l	99
3) Chloromethane	2.263	50	506582	140.163	ug/l	96
4) Vinyl Chloride	2.404	62	455419	139.694	ug/l	100
5) Bromomethane	2.775	94	82086	50.670	ug/l	99
6) Chloroethane	2.934	64	264117	124.501	ug/l	99
7) Trichlorofluoromethane	3.304	101	835658	143.036	ug/l	97
8) Diethyl Ether	3.763	74	342521	148.905	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.134	101	456419m	146.718	ug/l	
10) 1,1-Dichloroethene	4.104	96	468307	156.064	ug/l	96
11) Methyl Iodide	4.346	142	540314	187.369	ug/l	93
12) Methyl Acetate	4.769	43	917593	148.075	ug/l	91
13) Acrolein	3.975	56	492970	865.638	ug/l	99
14) Acrylonitrile	5.475	53	1866034	753.032	ug/l	98
15) Acetone	4.222	58	514538	758.382	ug/l	89
16) Carbon Disulfide	4.457	76	1275979	167.251	ug/l	97
17) Allyl chloride	4.757	41	904047	144.580	ug/l	82
18) Methylene Chloride	5.010	84	534304	144.555	ug/l	94
19) trans-1,2-Dichloroethene	5.510	96	481493	150.594	ug/l	90
20) Diisopropyl ether	6.410	45	1874188	149.967	ug/l	94
21) 1,1-Dichloroethane	6.304	63	963626	139.301	ug/l	98
22) cis-1,2-Dichloroethene	7.245	96	576156	145.373	ug/l	96
23) tert-Butyl Alcohol	5.293	59	809286	728.147	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	1735036	135.469	ug/l	98
25) Chloroform	7.745	83	973048	137.957	ug/l	100
26) Cyclohexane	8.022	56	851453	146.404	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	717768	150.356	ug/l	97
30) 2-Butanone	7.257	43	2738983	780.669	ug/l	93
31) 2,2-Dichloropropane	7.245	77	320366	56.211	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	880311	142.972	ug/l	99
33) Carbon Tetrachloride	8.133	117	751703	141.867	ug/l	97
34) Benzene	8.386	78	2171045	151.536	ug/l	98
35) Methacrylonitrile	7.563	41	486870	142.533	ug/l	89
36) 1,2-Dichloroethane	8.463	62	807083	137.608	ug/l	98
37) Trichloroethene	9.145	130	550395	159.264	ug/l	95
38) Methylcyclohexane	9.392	83	853419	149.274	ug/l	93
39) 1,2-Dichloropropane	9.428	63	558264	143.908	ug/l	98
40) Dibromomethane	9.510	93	376401	141.448	ug/l	93
41) Bromodichloromethane	9.698	83	785660	140.966	ug/l	95
42) Vinyl Acetate	6.351	43	8524881	757.848	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073069.D
 Acq On : 24 Jun 2022 01:34
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 24 04:21:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:19:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	1047315	155.075	ug/l	97
44) Isopropyl Acetate	8.492	43	1616977	148.486	ug/l	98
45) 1,4-Dioxane	9.504	88	296127	3269.214	ug/l	90
46) Methyl methacrylate	9.492	41	745232	152.307	ug/l	83
47) n-amyl Acetate	12.327	43	1361702	160.746	ug/l	96
48) t-1,3-Dichloropropene	10.657	75	780765	126.057	ug/l	100
49) cis-1,3-Dichloropropene	10.127	75	809879	127.322	ug/l	97
50) 1,1,2-Trichloroethane	10.833	97	547034	145.543	ug/l	99
51) Ethyl methacrylate	10.698	69	979667	145.393	ug/l	89
52) 1,3-Dichloropropane	10.980	76	959663	145.011	ug/l	99
53) Dibromochloromethane	11.174	129	608295	149.151	ug/l	99
54) 1,2-Dibromoethane	11.280	107	597566	151.206	ug/l	97
55) 2-Chloroethyl vinyl ether	9.980	63	2092608	764.952	ug/l	99
56) Bromoform	12.392	173	456275	158.979	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	5088366	727.690	ug/l	97
59) 2-Hexanone	11.022	43	3972544	747.016	ug/l	98
61) Tetrachloroethene	10.910	164	456439	157.012	ug/l	94
62) Toluene	10.439	91	2327639	146.815	ug/l	97
64) Chlorobenzene	11.704	112	1428530	148.585	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.774	131	533583	143.124	ug/l	100
66) Ethyl Benzene	11.780	91	2622863	145.924	ug/l	100
67) m/p-Xylenes	11.892	106	1953723	295.214	ug/l	97
68) o-Xylene	12.216	106	985191	146.530	ug/l	98
69) Styrene	12.233	104	1644067	152.661	ug/l	97
70) Isopropylbenzene	12.516	105	2580178	147.228	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.763	83	865783	145.884	ug/l	98
72) 1,2,3-Trichloropropane	12.816	75	702803m	141.209	ug/l	
73) Bromobenzene	12.798	156	600026	164.288	ug/l	93
74) n-propylbenzene	12.857	91	3037140	151.565	ug/l	100
75) 2-Chlorotoluene	12.945	91	1843398	147.789	ug/l	97
76) 1,3,5-Trimethylbenzene	12.998	105	2163526	150.023	ug/l	98
77) t-1,4-Dichloro-2-butene	12.563	75	233363	114.383	ug/l	95
78) 4-Chlorotoluene	13.039	91	1814679	153.826	ug/l	96
79) tert-butylbenzene	13.257	119	1932453	150.580	ug/l	98
80) 1,2,4-Trimethylbenzene	13.304	105	2118398m	125.546	ug/l	
81) sec-Butylbenzene	13.439	105	2657936	152.756	ug/l	99
82) p-Isopropyltoluene	13.551	119	2165247	154.727	ug/l	99
83) 1,3-Dichlorobenzene	13.551	146	1072509	165.801	ug/l	99
84) 1,4-Dichlorobenzene	13.627	146	1109733	176.198	ug/l	99
85) n-Butylbenzene	13.874	91	1909645	163.428	ug/l	96
86) Hexachloroethane	14.145	117	429962	144.240	ug/l	94
87) 1,2-Dichlorobenzene	13.921	146	1116978	173.081	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.539	75	242322	162.251	ug/l	95
89) 1,2,4-Trichlorobenzene	15.192	180	652517	200.153	ug/l	98
90) Hexachlorobutadiene	15.298	225	257668	181.925	ug/l	98
91) Naphthalene	15.433	128	2485016	190.363	ug/l	99
92) 1,2,3-Trichlorobenzene	15.621	180	653552	195.939	ug/l	100

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

