

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076742.D
 Acq On : 17 Feb 2023 18:28
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 18 02:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	26130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	182870	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	206882	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	79964	33.459	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.533%#			
60) 4-Bromofluorobenzene	12.848	95	109608	29.953	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.833%			
63) Toluene-d8	10.571	98	220006	30.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	59986	21.693	ug/l	97
3) Chloromethane	2.378	50	73483	21.642	ug/l	98
4) Vinyl Chloride	2.525	62	81308	22.436	ug/l	96
5) Bromomethane	2.972	94	52677	21.053	ug/l	96
6) Chloroethane	3.131	64	56568	24.070	ug/l	93
7) Trichlorofluoromethane	3.513	101	95455	21.129	ug/l	99
8) Diethyl Ether	3.972	74	37451	20.893	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.390	101	57172	20.823	ug/l	98
10) 1,1-Dichloroethene	4.348	96	52581	20.391	ug/l	97
11) Methyl Iodide	4.601	142	75601	23.494	ug/l	90
12) Methyl Acetate	5.042	43	111957	21.178	ug/l	99
13) Acrolein	4.195	56	56621	90.178	ug/l	99
14) Acrylonitrile	5.731	53	169923	104.734	ug/l	100
15) Acetone	4.442	58	43161	82.166	ug/l	93
16) Carbon Disulfide	4.731	76	141098	19.507	ug/l	96
17) Allyl chloride	5.042	41	89195	19.324	ug/l	90
18) Methylene Chloride	5.295	84	69294	21.289	ug/l	89
19) trans-1,2-Dichloroethene	5.801	96	59216	20.476	ug/l	92
20) Diisopropyl ether	6.683	45	232996	21.347	ug/l #	95
21) 1,1-Dichloroethane	6.583	63	123210	21.581	ug/l	98
22) cis-1,2-Dichloroethene	7.501	96	70176	21.149	ug/l	100
23) tert-Butyl Alcohol	5.542	59	44581m	95.078	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	189463	21.235	ug/l #	81
25) Chloroform	7.972	83	122899	21.952	ug/l	90
26) Cyclohexane	8.266	56	105407	20.657	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	89152	21.372	ug/l	98
30) 2-Butanone	7.489	43	232965	95.745	ug/l	98
31) 2,2-Dichloropropane	7.507	77	82995	19.038	ug/l #	61
32) 1,1,1-Trichloroethane	8.178	97	99367	20.520	ug/l	97
33) Carbon Tetrachloride	8.372	117	83079	19.800	ug/l	96
34) Benzene	8.613	78	281129	21.110	ug/l	97
35) Methacrylonitrile	7.789	41	58768	22.142	ug/l	90
36) 1,2-Dichloroethane	8.677	62	97191	21.804	ug/l #	95
37) Trichloroethene	9.354	130	61906	19.989	ug/l	95
38) Methylcyclohexane	9.607	83	105064	20.015	ug/l	98
39) 1,2-Dichloropropane	9.624	63	73150	21.136	ug/l	100
40) Dibromomethane	9.713	93	48101	21.793	ug/l	99
41) Bromodichloromethane	9.889	83	89681	20.256	ug/l	98
42) Vinyl Acetate	6.613	43	716569	101.619	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	98178	21.179	ug/l	98
44) Isopropyl Acetate	8.695	43	160852	21.079	ug/l	97
45) 1,4-Dioxane	9.695	88	22682m	351.199	ug/l	
46) Methyl methacrylate	9.683	41	75461	21.542	ug/l	90
47) n-amyl Acetate	12.495	43	141258	20.962	ug/l	97
48) t-1,3-Dichloropropene	10.836	75	87495	19.484	ug/l	99
49) cis-1,3-Dichloropropene	10.319	75	102409	20.037	ug/l	99
50) 1,1,2-Trichloroethane	11.019	97	68458	21.336	ug/l	96
51) Ethyl methacrylate	10.877	69	98039	21.045	ug/l	94
52) 1,3-Dichloropropane	11.166	76	119770	21.712	ug/l	98
53) Dibromochloromethane	11.366	129	65218	19.787	ug/l	96
54) 1,2-Dibromoethane	11.471	107	65066	20.831	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	216944	105.046	ug/l	99
56) Bromoform	12.583	173	44473	19.592	ug/l #	98
58) 4-Methyl-2-Pentanone	10.448	43	520864	105.857	ug/l	99
59) 2-Hexanone	11.201	43	373657	102.094	ug/l	98
61) Tetrachloroethene	11.107	164	49333	18.883	ug/l	89
62) Toluene	10.636	91	305900	21.158	ug/l	99
64) Chlorobenzene	11.895	112	173514	20.144	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.966	131	60920	19.293	ug/l	95
66) Ethyl Benzene	11.966	91	314088	20.435	ug/l	96
67) m/p-Xylenes	12.077	106	252690	42.041	ug/l	100
68) o-Xylene	12.401	106	123651	20.876	ug/l	97
69) Styrene	12.413	104	200406	21.075	ug/l	99
70) Isopropylbenzene	12.701	105	314138	20.789	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	104183	21.074	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	102975m	23.645	ug/l	
73) Bromobenzene	12.983	156	69683	19.873	ug/l	94
74) n-propylbenzene	13.036	91	376079	20.896	ug/l	99
75) 2-Chlorotoluene	13.130	91	230204	21.496	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	267373	21.216	ug/l	98
77) t-1,4-Dichloro-2-butene	12.742	75	25820	18.453	ug/l	94
78) 4-Chlorotoluene	13.224	91	218001	21.234	ug/l	96
79) tert-butylbenzene	13.442	119	228221	20.453	ug/l	97
80) 1,2,4-Trimethylbenzene	13.489	105	268751	21.476	ug/l	99
81) sec-Butylbenzene	13.618	105	336059	20.972	ug/l	99
82) p-Isopropyltoluene	13.730	119	265936	20.470	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	134042	20.007	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	134409	20.568	ug/l	98
85) n-Butylbenzene	14.059	91	212120	19.265	ug/l	98
86) Hexachloroethane	14.336	117	51027	20.290	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	140866	20.910	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	18459	20.142	ug/l	93
89) 1,2,4-Trichlorobenzene	15.395	180	64777	18.849	ug/l	97
90) Hexachlorobutadiene	15.501	225	32570	19.672	ug/l	93
91) Naphthalene	15.648	128	208767	18.893	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	65018	18.640	ug/l	99

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

