

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073096.D
 Acq On : 24 Jun 2022 20:38
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:34:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	38676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	217698	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	192883	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	110593	29.662	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.867%		
60) 4-Bromofluorobenzene	12.669	95	107925	29.246	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.500%		
63) Toluene-d8	10.375	98	322718	30.897	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	61924	20.295	ug/l	99
3) Chloromethane	2.263	50	54666	18.855	ug/l	94
4) Vinyl Chloride	2.405	62	50559	19.484	ug/l	99
5) Bromomethane	2.810	94	20576	24.080	ug/l	99
6) Chloroethane	2.969	64	30033	18.757	ug/l	93
7) Trichlorofluoromethane	3.322	101	80120	17.009	ug/l	97
8) Diethyl Ether	3.775	74	37528	19.467	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.152	101	51347	19.731	ug/l	70
10) 1,1-Dichloroethene	4.116	96	50744	19.053	ug/l	94
11) Methyl Iodide	4.352	142	47072	18.528	ug/l	91
12) Methyl Acetate	4.781	43	105674m	19.054	ug/l	
13) Acrolein	3.987	56	63957	114.409	ug/l	97
14) Acrylonitrile	5.481	53	216323	102.379	ug/l	98
15) Acetone	4.228	58	58442	100.272	ug/l	97
16) Carbon Disulfide	4.457	76	130269	18.549	ug/l	100
17) Allyl chloride	4.763	41	103113	20.398	ug/l	81
18) Methylene Chloride	5.016	84	61762	19.445	ug/l	95
19) trans-1,2-Dichloroethene	5.516	96	53884	19.173	ug/l	95
20) Diisopropyl ether	6.416	45	206996	19.462	ug/l #	91
21) 1,1-Dichloroethane	6.304	63	106611	19.104	ug/l	97
22) cis-1,2-Dichloroethene	7.251	96	63969	19.142	ug/l	98
23) tert-Butyl Alcohol	5.293	59	83006	96.208	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	187651	18.888	ug/l #	85
25) Chloroform	7.751	83	106521	19.181	ug/l	100
26) Cyclohexane	8.022	56	92105	18.851	ug/l #	93
29) 1,1-Dichloropropene	8.151	75	74468	18.920	ug/l	98
30) 2-Butanone	7.263	43	316519	104.418	ug/l	93
31) 2,2-Dichloropropane	7.245	77	65900	34.205	ug/l	98
32) 1,1,1-Trichloroethane	7.945	97	93337	19.299	ug/l	97
33) Carbon Tetrachloride	8.134	117	77750	19.013	ug/l	97
34) Benzene	8.392	78	246742	20.140	ug/l	98
35) Methacrylonitrile	7.563	41	54857	20.342	ug/l	89
36) 1,2-Dichloroethane	8.463	62	87290	19.225	ug/l	97
37) Trichloroethene	9.151	130	58607	19.223	ug/l	93
38) Methylcyclohexane	9.392	83	88740	19.036	ug/l	91
39) 1,2-Dichloropropane	9.422	63	62121	19.610	ug/l	96
40) Dibromomethane	9.516	93	42234	19.702	ug/l	95
41) Bromodichloromethane	9.698	83	82893	19.220	ug/l #	94
42) Vinyl Acetate	6.357	43	942598	100.572	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.340	43	113241	19.836	ug/l	99
44) Isopropyl Acetate	8.492	43	178973	20.302	ug/l	98
45) 1,4-Dioxane	9.510	88	33457	425.998	ug/l	89
46) Methyl methacrylate	9.498	41	77523	19.326	ug/l	79
47) n-amyl Acetate	12.327	43	137629	19.481	ug/l	98
48) t-1,3-Dichloropropene	10.657	75	81795	20.278	ug/l	95
49) cis-1,3-Dichloropropene	10.128	75	91547	20.958	ug/l	98
50) 1,1,2-Trichloroethane	10.839	97	59742	19.238	ug/l	98
51) Ethyl methacrylate	10.698	69	98464	18.723	ug/l	86
52) 1,3-Dichloropropane	10.980	76	104720	19.605	ug/l	98
53) Dibromochloromethane	11.175	129	60370	18.698	ug/l	97
54) 1,2-Dibromoethane	11.280	107	61437	18.835	ug/l	93
55) 2-Chloroethyl vinyl ether	9.981	63	260838	116.113	ug/l	99
56) Bromoform	12.398	173	41114	17.383	ug/l #	98
58) 4-Methyl-2-Pentanone	10.269	43	592698	105.648	ug/l	97
59) 2-Hexanone	11.022	43	461082	107.601	ug/l	98
61) Tetrachloroethene	10.916	164	51094	20.488	ug/l #	87
62) Toluene	10.439	91	255192	19.903	ug/l	97
64) Chlorobenzene	11.710	112	148436	19.240	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.780	131	56781	19.375	ug/l	99
66) Ethyl Benzene	11.780	91	273300	19.347	ug/l	97
67) m/p-Xylenes	11.892	106	206909	39.074	ug/l	99
68) o-Xylene	12.216	106	103672	19.387	ug/l	97
69) Styrene	12.233	104	164576	19.227	ug/l	99
70) Isopropylbenzene	12.516	105	263842	19.281	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	93484	19.787	ug/l	99
72) 1,2,3-Trichloropropane	12.816	75	78685m	21.720	ug/l	
73) Bromobenzene	12.798	156	61160	19.164	ug/l	93
74) n-propylbenzene	12.857	91	297155	19.165	ug/l	100
75) 2-Chlorotoluene	12.945	91	186272	19.210	ug/l	96
76) 1,3,5-Trimethylbenzene	12.998	105	215202	18.921	ug/l	96
77) t-1,4-Dichloro-2-butene	12.563	75	25695	22.487	ug/l	95
78) 4-Chlorotoluene	13.039	91	175464	18.810	ug/l	95
79) tert-butylbenzene	13.257	119	194938	19.386	ug/l	96
80) 1,2,4-Trimethylbenzene	13.439	105	260050	23.305	ug/l	100
81) sec-Butylbenzene	13.439	105	260050	19.186	ug/l	100
82) p-Isopropyltoluene	13.551	119	211057	19.172	ug/l	98
83) 1,3-Dichlorobenzene	13.551	146	105479	18.777	ug/l	99
84) 1,4-Dichlorobenzene	13.633	146	106139	18.907	ug/l	99
85) n-Butylbenzene	13.880	91	163302	18.230	ug/l	96
86) Hexachloroethane	14.145	117	39778	18.456	ug/l	97
87) 1,2-Dichlorobenzene	13.921	146	113328	19.281	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.539	75	22851	18.983	ug/l	94
89) 1,2,4-Trichlorobenzene	15.192	180	54685	17.708	ug/l	96
90) Hexachlorobutadiene	15.298	225	23760	19.084	ug/l	97
91) Naphthalene	15.433	128	227447	18.874	ug/l	98
92) 1,2,3-Trichlorobenzene	15.621	180	58991	18.775	ug/l	99

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

