

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074081.D
 Acq On : 23 Aug 2022 20:32
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 01:22:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	70752	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	389094	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	348564	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	177939	29.088	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.967%	
60) 4-Bromofluorobenzene	12.669	95	185257	30.016	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	100.067%	
63) Toluene-d8	10.381	98	585121	29.812	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.367%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	88765	18.458	ug/l	99
3) Chloromethane	2.269	50	113932	17.919	ug/l	97
4) Vinyl Chloride	2.405	62	119685	15.336	ug/l	98
5) Bromomethane	2.805	94	68846	17.365	ug/l	99
6) Chloroethane	2.963	64	77141	14.590	ug/l	98
7) Trichlorofluoromethane	3.316	101	164241	21.397	ug/l	95
8) Diethyl Ether	3.769	74	58726	19.013	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.140	101	85733	18.526	ug/l #	62
10) 1,1-Dichloroethene	4.116	96	85579	19.320	ug/l	91
11) Methyl Iodide	4.346	142	90134	17.641	ug/l	89
12) Methyl Acetate	4.775	43	162166	21.542	ug/l	97
13) Acrolein	3.981	56	104879	79.251	ug/l	97
14) Acrylonitrile	5.475	53	346023	99.592	ug/l	98
15) Acetone	4.228	58	102944	106.579	ug/l	81
16) Carbon Disulfide	4.457	76	210681	17.405	ug/l	97
17) Allyl chloride	4.763	41	131687	17.823	ug/l	83
18) Methylene Chloride	5.010	84	104980	18.704	ug/l	95
19) trans-1,2-Dichloroethene	5.516	96	92360	18.806	ug/l	95
20) Diisopropyl ether	6.410	45	294016	18.293	ug/l	96
21) 1,1-Dichloroethane	6.310	63	175677	18.523	ug/l	99
22) cis-1,2-Dichloroethene	7.251	96	111817	18.926	ug/l	93
23) tert-Butyl Alcohol	5.298	59	133450m	108.685	ug/l	
24) Methyl tert-Butyl Ether	5.534	73	303367	19.434	ug/l #	72
25) Chloroform	7.745	83	185664	18.965	ug/l	99
26) Cyclohexane	8.022	56	141184	17.258	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	126651	17.421	ug/l	99
30) 2-Butanone	7.263	43	466273	92.776	ug/l	98
31) 2,2-Dichloropropane	7.245	77	89674	11.821	ug/l	98
32) 1,1,1-Trichloroethane	7.945	97	154413	18.350	ug/l	98
33) Carbon Tetrachloride	8.139	117	132054	18.301	ug/l	96
34) Benzene	8.392	78	419357	17.825	ug/l	99
35) Methacrylonitrile	7.569	41	80117	19.638	ug/l	95
36) 1,2-Dichloroethane	8.463	62	137923	17.779	ug/l #	94
37) Trichloroethene	9.151	130	105899	18.297	ug/l	93
38) Methylcyclohexane	9.392	83	150371	16.662	ug/l	98
39) 1,2-Dichloropropane	9.428	63	104566	17.618	ug/l	98
40) Dibromomethane	9.516	93	72282	17.947	ug/l	84
41) Bromodichloromethane	9.704	83	141576	17.958	ug/l	94
42) Vinyl Acetate	6.351	43	1255732	86.710	ug/l	96

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43) Ethyl Acetate	7.340	43	181161	18.988	ug/l	97
44) Isopropyl Acetate	8.492	43	232478	17.522	ug/l	94
45) 1,4-Dioxane	9.504	88	64660	408.712	ug/l #	95
46) Methyl methacrylate	9.498	41	103919	17.514	ug/l	78
47) n-amyl Acetate	12.327	43	183457	17.344	ug/l	91
48) t-1,3-Dichloropropene	10.663	75	132059	16.271	ug/l	99
49) cis-1,3-Dichloropropene	10.128	75	148622	16.492	ug/l #	84
50) 1,1,2-Trichloroethane	10.839	97	110595	18.304	ug/l	97
51) Ethyl methacrylate	10.704	69	165359	18.204	ug/l	79
52) 1,3-Dichloropropane	10.986	76	181883	17.859	ug/l	100
53) Dibromochloromethane	11.180	129	112864	18.432	ug/l	99
54) 1,2-Dibromoethane	11.286	107	112728	18.308	ug/l	96
55) 2-Chloroethyl vinyl ether	9.981	63	437465	107.375	ug/l	98
56) Bromoform	12.398	173	90802	18.870	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	862867	95.737	ug/l	92
59) 2-Hexanone	11.028	43	676259	97.415	ug/l	91
61) Tetrachloroethene	10.916	164	91446	17.127	ug/l	90
62) Toluene	10.445	91	454598	18.754	ug/l	98
64) Chlorobenzene	11.710	112	277563	19.165	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.780	131	104167	19.377	ug/l	98
66) Ethyl Benzene	11.786	91	472195	18.222	ug/l	98
67) m/p-Xylenes	11.892	106	377872	38.151	ug/l	95
68) o-Xylene	12.222	106	185529	18.859	ug/l	97
69) Styrene	12.233	104	303479	18.716	ug/l	96
70) Isopropylbenzene	12.522	105	473323	18.819	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	176760	19.987	ug/l	100
72) 1,2,3-Trichloropropane	12.822	75	149458m	20.235	ug/l	
73) Bromobenzene	12.804	156	123091	19.702	ug/l	93
74) n-propylbenzene	12.863	91	522228	17.841	ug/l	97
75) 2-Chlorotoluene	12.951	91	332182	18.932	ug/l	100
76) 1,3,5-Trimethylbenzene	12.998	105	392312	18.622	ug/l	95
77) t-1,4-Dichloro-2-butene	12.569	75	42303	15.716	ug/l	94
78) 4-Chlorotoluene	13.045	91	311602	18.487	ug/l	100
79) tert-butylbenzene	13.263	119	350067	19.220	ug/l	94
80) 1,2,4-Trimethylbenzene	13.310	105	390506m	18.714	ug/l	
81) sec-Butylbenzene	13.445	105	467775	17.887	ug/l	96
82) p-Isopropyltoluene	13.557	119	388717	18.104	ug/l	96
83) 1,3-Dichlorobenzene	13.551	146	215279	18.824	ug/l	97
84) 1,4-Dichlorobenzene	13.633	146	206507	18.719	ug/l	98
85) n-Butylbenzene	13.880	91	285412	16.399	ug/l	96
86) Hexachloroethane	14.151	117	71395	18.131	ug/l	71
87) 1,2-Dichlorobenzene	13.927	146	225838	19.532	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.539	75	38774	20.073	ug/l #	74
89) 1,2,4-Trichlorobenzene	15.198	180	126537	19.884	ug/l	94
90) Hexachlorobutadiene	15.304	225	65060	20.185	ug/l	99
91) Naphthalene	15.433	128	456074	21.826	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	137062	20.966	ug/l	98

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

