

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072700.D
 Acq On : 08 Jun 2022 13:55
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 09 03:22:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

06/09/2022
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	D
-----							0
Internal Standards							
1) Bromochloromethane	7.651	128	33897	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	8.963	114	201091	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.745	117	183761	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.433	65	118705	30.706	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.367%	
60) 4-Bromofluorobenzene	12.727	95	104655	27.690	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.300%	
63) Toluene-d8	10.439	98	310573	30.510	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.700%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.069	85	49242	19.392	ug/l		96
3) Chloromethane	2.293	50	53276	19.294	ug/l		95
4) Vinyl Chloride	2.434	62	48041	19.295	ug/l		98
5) Bromomethane	2.840	94	27683	21.501	ug/l		99
6) Chloroethane	3.010	64	34387	20.714	ug/l		100
7) Trichlorofluoromethane	3.369	101	83821	18.623	ug/l		98
8) Diethyl Ether	3.816	74	34444	19.738	ug/l		90
9) 1,1,2-Trichlorotrifluo...	4.210	101	46995	19.819	ug/l		57
10) 1,1-Dichloroethene	4.175	96	40607	18.132	ug/l	#	81
11) Methyl Iodide	4.416	142	42111	18.781	ug/l		98
12) Methyl Acetate	4.851	43	97340	21.066	ug/l		92
13) Acrolein	4.034	56	39906	98.662	ug/l		100
14) Acrylonitrile	5.545	53	197046	104.618	ug/l		98
15) Acetone	4.281	58	52127	102.218	ug/l		94
16) Carbon Disulfide	4.528	76	96714	17.130	ug/l		100
17) Allyl chloride	4.828	41	95115	19.660	ug/l		86
18) Methylene Chloride	5.098	84	56997	20.268	ug/l		93
19) trans-1,2-Dichloroethene	5.593	96	45724	18.866	ug/l		87
20) Diisopropyl ether	6.492	45	202164	21.099	ug/l		95
21) 1,1-Dichloroethane	6.381	63	105563	19.830	ug/l		98
22) cis-1,2-Dichloroethene	7.322	96	60148	19.813	ug/l		92
23) tert-Butyl Alcohol	5.363	59	84245	96.116	ug/l	#	100
24) Methyl tert-Butyl Ether	5.604	73	200538	20.134	ug/l		95
25) Chloroform	7.810	83	110294	20.169	ug/l		99
26) Cyclohexane	8.092	56	84462	19.030	ug/l	#	92
29) 1,1-Dichloropropene	8.222	75	71714	18.708	ug/l		95
30) 2-Butanone	7.328	43	285767	103.011	ug/l		95
31) 2,2-Dichloropropane	7.316	77	90974	17.533	ug/l		95
32) 1,1,1-Trichloroethane	8.010	97	96457	19.231	ug/l		97
33) Carbon Tetrachloride	8.204	117	79932	18.480	ug/l		97
34) Benzene	8.457	78	227893	20.095	ug/l		97
35) Methacrylonitrile	7.634	41	58964	21.677	ug/l		90
36) 1,2-Dichloroethane	8.528	62	97077	20.262	ug/l		100
37) Trichloroethene	9.210	130	54075	19.779	ug/l		96
38) Methylcyclohexane	9.457	83	87782	19.183	ug/l		92
39) 1,2-Dichloropropane	9.486	63	63023	20.229	ug/l		92
40) Dibromomethane	9.575	93	43700	20.433	ug/l		94
41) Bromodichloromethane	9.757	83	91263	19.948	ug/l		94
42) Vinyl Acetate	6.428	43	933606	103.373	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	117042	22.020	ug/l	98
44) Isopropyl Acetate	8.557	43	182125	20.657	ug/l	99
45) 1,4-Dioxane	9.569	88	29050	400.951	ug/l #	85
46) Methyl methacrylate	9.557	41	78133	19.819	ug/l	89
47) n-amyl Acetate	12.386	43	129412	19.172	ug/l	96
48) t-1,3-Dichloropropene	10.716	75	100381	19.223	ug/l	95
49) cis-1,3-Dichloropropene	10.186	75	103143	19.451	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	61951	20.488	ug/l	91
51) Ethyl methacrylate	10.757	69	109795	20.046	ug/l	95
52) 1,3-Dichloropropane	11.039	76	112360	20.881	ug/l	100
53) Dibromochloromethane	11.233	129	66282	19.868	ug/l	98
54) 1,2-Dibromoethane	11.339	107	64005	20.131	ug/l	99
55) 2-Chloroethyl vinyl ether	10.039	63	220049	102.579	ug/l	98
56) Bromoform	12.457	173	45097	19.400	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	593483	107.678	ug/l	97
59) 2-Hexanone	11.080	43	438581	104.958	ug/l	98
61) Tetrachloroethene	10.975	164	47454	20.867	ug/l	95
62) Toluene	10.504	91	250186	20.079	ug/l	97
64) Chlorobenzene	11.769	112	150391	19.825	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.839	131	59367	19.850	ug/l	99
66) Ethyl Benzene	11.839	91	279484	19.537	ug/l	99
67) m/p-Xylenes	11.951	106	202648	38.838	ug/l	92
68) o-Xylene	12.280	106	104086	19.554	ug/l	91
69) Styrene	12.292	104	160984	19.052	ug/l	95
70) Isopropylbenzene	12.574	105	273270	19.647	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	98638	20.950	ug/l	96
72) 1,2,3-Trichloropropane	12.874	75	94640m	23.033	ug/l	
73) Bromobenzene	12.857	156	54181	19.162	ug/l	74
74) n-propylbenzene	12.916	91	299944	18.845	ug/l	98
75) 2-Chlorotoluene	13.004	91	186573	18.911	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	221019	19.360	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	31316	18.083	ug/l	97
78) 4-Chlorotoluene	13.104	91	173190	18.582	ug/l	92
79) tert-butylbenzene	13.321	119	193598	18.995	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	259858	18.878	ug/l	100
81) sec-Butylbenzene	13.498	105	259858	18.878	ug/l	99
82) p-Isopropyltoluene	13.610	119	205507	18.702	ug/l	98
83) 1,3-Dichlorobenzene	13.616	146	91590	18.503	ug/l	96
84) 1,4-Dichlorobenzene	13.692	146	90668	18.865	ug/l	97
85) n-Butylbenzene	13.939	91	172182	18.480	ug/l	97
86) Hexachloroethane	14.204	117	43543	17.907	ug/l	91
87) 1,2-Dichlorobenzene	13.986	146	92407	18.863	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	22422	18.994	ug/l	85
89) 1,2,4-Trichlorobenzene	15.262	180	44099	17.864	ug/l	95
90) Hexachlorobutadiene	15.368	225	20695	18.686	ug/l	96
91) Naphthalene	15.504	128	172538	17.517	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	47121	18.763	ug/l	98

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

