

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063030.D
 Acq On : 20 Aug 2020 11:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:22:34 AM

Quant Time: Aug 20 13:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	32777	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	170229	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	164057	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	69573	29.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.87%
60) 4-Bromofluorobenzene	12.38	95	80474	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.06	98	226252	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	255023	108.822	ug/l 97
3) Chloromethane	2.03	50	276006	106.436	ug/l 98
4) Vinyl Chloride	2.16	62	275331	105.470	ug/l 99
5) Bromomethane	2.51	94	157860	98.100	ug/l 99
6) Chloroethane	2.66	64	160623	104.108	ug/l 98
7) Trichlorofluoromethane	2.98	101	322547	102.459	ug/l 99
8) Diethyl Ether	3.37	74	109062	104.165	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	165432	97.189	ug/l 100
10) 1,1-Dichloroethene	3.69	96	153321	100.240	ug/l 98
11) Methyl Iodide	3.91	142	235312	112.129	ug/l 98
12) Methyl Acetate	4.28	43	210467	103.231	ug/l 100
13) Acrolein	3.56	56	113834	544.777	ug/l 99
14) Acrylonitrile	4.93	53	472050	528.772	ug/l 98
15) Acetone	3.77	58	129043	499.448	ug/l 99
16) Carbon Disulfide	4.01	76	419531	102.171	ug/l 100
17) Allyl chloride	4.27	41	290391	103.466	ug/l 97
18) Methylene Chloride	4.50	84	197981	92.513	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	170321	101.265	ug/l 98
20) Diisopropyl ether	5.90	45	691277	105.162	ug/l 92
21) 1,1-Dichloroethane	5.80	63	359950	99.774	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	210079	100.790	ug/l 99
23) tert-Butyl Alcohol	4.74	59	144182	492.982	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	594904	106.020	ug/l 98
25) Chloroform	7.33	83	357218	99.426	ug/l 98
26) Cyclohexane	7.61	56	340238	109.555	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	255014	103.156	ug/l 99
30) 2-Butanone	6.78	43	586020	508.589	ug/l 100
31) 2,2-Dichloropropane	6.77	77	297665	99.060	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	295979	99.406	ug/l 100
33) Carbon Tetrachloride	7.73	117	253470	99.970	ug/l 95
34) Benzene	8.00	78	798262	100.762	ug/l # 90
35) Methacrylonitrile	7.12	41	113385	105.517	ug/l 95
36) 1,2-Dichloroethane	8.08	62	268510	99.346	ug/l 100
37) Trichloroethene	8.80	130	195208	100.615	ug/l 98
38) Methylcyclohexane	9.05	83	345838	111.533	ug/l 96
39) 1,2-Dichloropropane	9.08	63	231835	100.549	ug/l 99
40) Dibromomethane	9.17	93	132929	99.299	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	295954	99.764	ug/l	99
42) Vinyl Acetate	5.84	43	2238637	512.863	ug/l	100
43) Ethyl Acetate	6.88	43	219814	99.948	ug/l	97
44) Isopropyl Acetate	8.13	43	384175	104.054	ug/l	99
45) 1,4-Dioxane	9.17	88	74479	2153.866	ug/l	96
46) Methyl methacrylate	9.17	41	194504	107.002	ug/l	98
47) n-amyl Acetate	12.05	43	365930	111.669	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	328211	104.757	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	355790	104.328	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	206446	100.020	ug/l	98
51) Ethyl methacrylate	10.40	69	311374	110.881	ug/l	99
52) 1,3-Dichloropropane	10.68	76	347493	101.902	ug/l	98
53) Dibromochloromethane	10.87	129	234444	103.507	ug/l	99
54) 1,2-Dibromoethane	10.98	107	202861	102.452	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	355527	616.355	ug/l	99
56) Bromoform	12.10	173	174987	105.503	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1232726	522.334	ug/l	99
59) 2-Hexanone	10.72	43	883946	525.053	ug/l	97
61) Tetrachloroethene	10.60	164	176943	98.384	ug/l	98
62) Toluene	10.12	91	874698	100.601	ug/l	99
64) Chlorobenzene	11.41	112	549620	102.159	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	217235	101.873	ug/l	99
66) Ethyl Benzene	11.48	91	1012102	106.786	ug/l	99
67) m/p-Xylenes	11.60	106	764368	215.276	ug/l	99
68) o-Xylene	11.92	106	367583	107.773	ug/l	99
69) Styrene	11.94	104	658305	110.488	ug/l	99
70) Isopropylbenzene	12.22	105	1000285	107.809	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	300014	100.831	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	273467m	106.343	ug/l	
73) Bromobenzene	12.50	156	259142	103.569	ug/l	99
74) n-propylbenzene	12.57	91	1207055	108.452	ug/l	100
75) 2-Chlorotoluene	12.65	91	700302	105.572	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	866394	109.419	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	104770	112.280	ug/l	93
78) 4-Chlorotoluene	12.75	91	734427	107.386	ug/l	99
79) tert-butylbenzene	12.97	119	722521	108.449	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	859690	111.539	ug/l	99
81) sec-Butylbenzene	13.15	105	1011998	110.270	ug/l	100
82) p-Isopropyltoluene	13.26	119	914630	112.416	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	471550	107.938	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	463064	108.452	ug/l	99
85) n-Butylbenzene	13.59	91	786541	116.329	ug/l	97
86) Hexachloroethane	13.85	117	170014	106.097	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	452298	108.101	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	50710	107.448	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	244423	118.375	ug/l	99
90) Hexachlorobutadiene	14.98	225	156483	102.389	ug/l	98
91) Naphthalene	15.10	128	546321	119.740	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	239024	115.951	ug/l	99

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

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