

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064511.D
 Acq On : 9 Nov 2020 17:10
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:42 PM

Quant Time: Nov 10 03:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	59920	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	325940	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	299712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	164574	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.38	95	152233	29.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.83%
63) Toluene-d8	10.06	98	418042	29.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	83435	20.791	ug/l 97
3) Chloromethane	2.04	50	96285	21.027	ug/l 99
4) Vinyl Chloride	2.17	62	99740	20.102	ug/l 99
5) Bromomethane	2.54	94	65128	20.056	ug/l 92
6) Chloroethane	2.68	64	64233	20.731	ug/l 99
7) Trichlorofluoromethane	2.99	101	151366	21.068	ug/l 91
8) Diethyl Ether	3.37	74	51900	20.227	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	71761	21.222	ug/l 51
10) 1,1-Dichloroethene	3.70	96	65915	20.377	ug/l 96
11) Methyl Iodide	3.91	142	78754	19.748	ug/l 96
12) Methyl Acetate	4.28	43	82730	20.977	ug/l 99
13) Acrolein	3.56	56	51416	128.918	ug/l 100
14) Acrylonitrile	4.94	53	175010	99.776	ug/l 69
15) Acetone	3.78	58	53933	93.170	ug/l 88
16) Carbon Disulfide	4.01	76	193818	19.744	ug/l 100
17) Allyl chloride	4.28	41	123964	20.397	ug/l 95
18) Methylene Chloride	4.50	84	79286	20.642	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	72189	19.691	ug/l 99
20) Diisopropyl ether	5.90	45	268654	20.301	ug/l 95
21) 1,1-Dichloroethane	5.79	63	150841	20.728	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	82938	19.961	ug/l 99
23) tert-Butyl Alcohol	4.75	59	59862	99.670	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	234165	20.467	ug/l # 70
25) Chloroform	7.33	83	155087	20.281	ug/l 96
26) Cyclohexane	7.61	56	109842	19.551	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	109047	19.279	ug/l 100
30) 2-Butanone	6.79	43	260864	93.166	ug/l # 80
31) 2,2-Dichloropropane	6.78	77	134005	19.945	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	137971	19.886	ug/l 99
33) Carbon Tetrachloride	7.73	117	122394	19.754	ug/l 100
34) Benzene	8.00	78	324243	19.798	ug/l 96
35) Methacrylonitrile	7.13	41	53229	20.321	ug/l 95
36) 1,2-Dichloroethane	8.09	62	136516	20.312	ug/l # 91
37) Trichloroethene	8.80	130	82256	19.864	ug/l 98
38) Methylcyclohexane	9.05	83	97133	18.986	ug/l 97
39) 1,2-Dichloropropane	9.08	63	87423	19.866	ug/l 100
40) Dibromomethane	9.17	93	61477	20.708	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127980	19.890	ug/l	99
42) Vinyl Acetate	5.85	43	1107579	98.809	ug/l	99
43) Ethyl Acetate	6.88	43	102781	18.865	ug/l	97
44) Isopropyl Acetate	8.13	43	181945	19.346	ug/l	93
45) 1,4-Dioxane	9.17	88	24889	377.514	ug/l	97
46) Methyl methacrylate	9.17	41	94429	20.189	ug/l	99
47) n-amyl Acetate	12.05	43	146509	18.008	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	132885	19.489	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	141234	19.713	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	79784	19.602	ug/l	97
51) Ethyl methacrylate	10.40	69	109484	18.771	ug/l	96
52) 1,3-Dichloropropane	10.68	76	142139	20.328	ug/l	97
53) Dibromochloromethane	10.87	129	90268	19.365	ug/l	100
54) 1,2-Dibromoethane	10.98	107	84124	20.207	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	276115	90.462	ug/l	99
56) Bromoform	12.10	173	56406	18.440	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	550982	100.108	ug/l	99
59) 2-Hexanone	10.72	43	407040	98.189	ug/l	99
61) Tetrachloroethene	10.60	164	78849	21.047	ug/l	93
62) Toluene	10.13	91	352299	20.016	ug/l	98
64) Chlorobenzene	11.41	112	209939	20.066	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	83148	20.329	ug/l	97
66) Ethyl Benzene	11.48	91	373724	19.674	ug/l	100
67) m/p-Xylenes	11.59	106	274139	39.100	ug/l	99
68) o-Xylene	11.92	106	129508	19.519	ug/l	95
69) Styrene	11.94	104	220457	19.402	ug/l	99
70) Isopropylbenzene	12.22	105	344693	19.848	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	110440	19.858	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	116393m	20.985	ug/l	
73) Bromobenzene	12.50	156	85350	19.867	ug/l	99
74) n-propylbenzene	12.57	91	407300	19.939	ug/l	98
75) 2-Chlorotoluene	12.65	91	252882	19.689	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	290566	19.820	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	36898	18.246	ug/l	97
78) 4-Chlorotoluene	12.75	91	260784	19.324	ug/l	100
79) tert-butylbenzene	12.97	119	226716	19.706	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	291880	19.757	ug/l	98
81) sec-Butylbenzene	13.15	105	295110	19.350	ug/l	98
82) p-Isopropyltoluene	13.26	119	264933	19.445	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	149278	19.752	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	143899	19.144	ug/l	97
85) n-Butylbenzene	13.59	91	216198	18.303	ug/l	99
86) Hexachloroethane	13.85	117	51515	18.975	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	145762	19.802	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23359	19.441	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	58574	17.526	ug/l	98
90) Hexachlorobutadiene	14.98	225	33156	19.918	ug/l	96
91) Naphthalene	15.10	128	187620	16.970	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	62728	18.546	ug/l	99

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

