

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061737.D
 Acq On : 10 Jun 2020 15:18
 Operator : JC/MD
 Sample : VN0610WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:42 PM

Quant Time: Jun 11 03:15:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	76076	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	406008	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	368704	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	142214	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	12.37	95	163020	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	10.06	98	476919	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	55882	17.771	ug/l 97
3) Chloromethane	2.03	50	69779	18.561	ug/l 97
4) Vinyl Chloride	2.16	62	93347	17.793	ug/l 98
5) Bromomethane	2.54	94	63190	18.380	ug/l 99
6) Chloroethane	2.67	64	65315	17.809	ug/l 93
7) Trichlorofluoromethane	2.98	101	131097	17.268	ug/l 99
8) Diethyl Ether	3.37	74	45446	19.190	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	68771	17.711	ug/l 99
10) 1,1-Dichloroethene	3.69	96	67182	17.560	ug/l 94
11) Methyl Iodide	3.91	142	95801	18.375	ug/l 99
12) Methyl Acetate	4.28	43	56776	18.651	ug/l 99
13) Acrolein	3.57	56	41868	102.784	ug/l 99
14) Acrylonitrile	4.93	53	139960	89.082	ug/l # 92
15) Acetone	3.77	58	43276	92.111	ug/l 93
16) Carbon Disulfide	4.01	76	156328	19.730	ug/l 99
17) Allyl chloride	4.27	41	75269	17.272	ug/l 99
18) Methylene Chloride	4.50	84	78378	17.853	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	76108	17.891	ug/l 96
20) Diisopropyl ether	5.90	45	190938	18.340	ug/l 99
21) 1,1-Dichloroethane	5.80	63	120139	17.355	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	88382	17.713	ug/l 98
23) tert-Butyl Alcohol	4.72	59	57684	94.942	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	227340	18.641	ug/l # 77
25) Chloroform	7.33	83	136977	17.467	ug/l 99
26) Cyclohexane	7.61	56	95030	17.978	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	96390	17.668	ug/l 100
30) 2-Butanone	6.78	43	173580	91.848	ug/l 99
31) 2,2-Dichloropropane	6.77	77	112898	17.675	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	122422	17.574	ug/l 99
33) Carbon Tetrachloride	7.73	117	99010	17.456	ug/l 95
34) Benzene	8.00	78	305907	17.987	ug/l 97
35) Methacrylonitrile	7.12	41	30993	17.658	ug/l # 73
36) 1,2-Dichloroethane	8.08	62	99503	18.103	ug/l 98
37) Trichloroethene	8.80	130	93446	17.616	ug/l 98
38) Methylcyclohexane	9.05	83	112902	18.489	ug/l 100
39) 1,2-Dichloropropane	9.08	63	73808	18.119	ug/l 100
40) Dibromomethane	9.17	93	55692	18.228	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	110403	17.812	ug/l	98
42) Vinyl Acetate	5.84	43	739054	94.801	ug/l	100
43) Ethyl Acetate	6.88	43	72705	18.945	ug/l	98
44) Isopropyl Acetate	8.12	43	126866	18.271	ug/l #	82
45) 1,4-Dioxane	9.17	88	28329	399.201	ug/l	98
46) Methyl methacrylate	9.17	41	55638	18.470	ug/l	98
47) n-amyl Acetate	12.04	43	102098	17.353	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	112461	17.399	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	125199	17.718	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	81287	18.309	ug/l	98
51) Ethyl methacrylate	10.40	69	103466	17.936	ug/l	99
52) 1,3-Dichloropropane	10.68	76	129095	18.257	ug/l	99
53) Dibromochloromethane	10.87	129	91885	17.563	ug/l	100
54) 1,2-Dibromoethane	10.98	107	85680	18.421	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	243452	111.036	ug/l	99
56) Bromoform	12.10	173	62527	17.117	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	372872	97.785	ug/l	99
59) 2-Hexanone	10.72	43	263476	95.285	ug/l	99
61) Tetrachloroethene	10.60	164	100654	17.878	ug/l	95
62) Toluene	10.12	91	340102	18.372	ug/l	98
64) Chlorobenzene	11.41	112	222719	18.697	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	81779	18.011	ug/l	97
66) Ethyl Benzene	11.48	91	371611	18.338	ug/l	99
67) m/p-Xylenes	11.59	106	295011	36.598	ug/l	99
68) o-Xylene	11.92	106	140715	18.482	ug/l	98
69) Styrene	11.94	104	227993	17.677	ug/l	99
70) Isopropylbenzene	12.22	105	364766	18.139	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	101911	19.078	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	86023m	17.083	ug/l	
73) Bromobenzene	12.50	156	97264	17.903	ug/l	98
74) n-propylbenzene	12.56	91	413926	18.210	ug/l	100
75) 2-Chlorotoluene	12.65	91	243211	18.154	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	309175	18.443	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	31329	17.246	ug/l	93
78) 4-Chlorotoluene	12.75	91	249230	17.854	ug/l	99
79) tert-butylbenzene	12.97	119	263488	18.174	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	307322	18.224	ug/l	98
81) sec-Butylbenzene	13.15	105	338949	18.093	ug/l	100
82) p-Isopropyltoluene	13.26	119	314592	18.088	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	168921	17.421	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	167958	17.630	ug/l	99
85) n-Butylbenzene	13.59	91	251928	17.538	ug/l	99
86) Hexachloroethane	13.85	117	40982	17.307	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	167394	18.173	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18242	18.384	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	91992	17.032	ug/l	99
90) Hexachlorobutadiene	14.98	225	39840	17.012	ug/l	98
91) Naphthalene	15.10	128	259785	17.332	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	93609	17.693	ug/l	99

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

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