

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058691.D
 Acq On : 11 Oct 2019 10:25
 Operator : JC/SP
 Sample : VN1012WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:59:30 PM

Quant Time: Oct 11 17:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	73340	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	411394	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	375163	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	190954	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	193840	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.08	98	536934	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87186	21.941	ug/l 97
3) Chloromethane	2.04	50	113136	21.315	ug/l 98
4) Vinyl Chloride	2.17	62	115947	21.135	ug/l 99
5) Bromomethane	2.55	94	71335	21.061	ug/l 98
6) Chloroethane	2.69	64	72589	21.051	ug/l 95
7) Trichlorofluoromethane	3.00	101	142289	21.073	ug/l 98
8) Diethyl Ether	3.39	74	54015	20.974	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85504	21.885	ug/l 99
10) 1,1-Dichloroethene	3.72	96	82273	21.440	ug/l 96
11) Methyl Iodide	3.93	142	109748	20.536	ug/l 99
12) Methyl Acetate	4.30	43	123371	20.095	ug/l 98
13) Acrolein	3.59	56	62812	92.595	ug/l 96
14) Acrylonitrile	4.96	53	247565	102.338	ug/l 99
15) Acetone	3.80	58	72791	101.370	ug/l 99
16) Carbon Disulfide	4.03	76	227737	20.348	ug/l 99
17) Allyl chloride	4.30	41	145377	19.034	ug/l 98
18) Methylene Chloride	4.53	84	97420	20.965	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	87284	20.894	ug/l 92
20) Diisopropyl ether	5.93	45	333734	21.447	ug/l 97
21) 1,1-Dichloroethane	5.83	63	185273	21.501	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	105614	21.204	ug/l 100
23) tert-Butyl Alcohol	4.75	59	101769	102.852	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	304471	21.269	ug/l 98
25) Chloroform	7.35	83	185109	21.539	ug/l 97
26) Cyclohexane	7.63	56	156654	20.712	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	135834	20.975	ug/l 99
30) 2-Butanone	6.81	43	366315	100.098	ug/l 99
31) 2,2-Dichloropropane	6.80	77	164164	21.507	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	161036	21.500	ug/l 99
33) Carbon Tetrachloride	7.75	117	136794	21.100	ug/l 98
34) Benzene	8.03	78	402082	21.090	ug/l 98
35) Methacrylonitrile	7.17	41	76537m	23.675	ug/l
36) 1,2-Dichloroethane	8.11	62	155790	21.372	ug/l 99
37) Trichloroethene	8.82	130	98387	21.006	ug/l 100
38) Methylcyclohexane	9.07	83	150580	20.055	ug/l 96
39) 1,2-Dichloropropane	9.11	63	111613	21.422	ug/l 99
40) Dibromomethane	9.20	93	68956	20.965	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	142005	21.133	ug/l	98
42) Vinyl Acetate	5.87	43	1387210	108.236	ug/l	100
43) Ethyl Acetate	6.91	43	149079	20.755	ug/l	99
44) Isopropyl Acetate	8.15	43	238521	20.501	ug/l #	89
45) 1,4-Dioxane	9.19	88	35950	402.397	ug/l	98
46) Methyl methacrylate	9.19	41	106611	19.960	ug/l	99
47) n-amyl Acetate	12.07	43	202269	19.611	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	160020	20.534	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	168856	20.634	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	98563	20.991	ug/l	98
51) Ethyl methacrylate	10.43	69	149265	19.881	ug/l	100
52) 1,3-Dichloropropane	10.71	76	174306	20.845	ug/l	99
53) Dibromochloromethane	10.90	129	104629	20.764	ug/l	97
54) 1,2-Dibromoethane	11.00	107	99879	20.522	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	385660	103.263	ug/l	99
56) Bromoform	12.13	173	70564	20.102	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	734162	107.271	ug/l	99
59) 2-Hexanone	10.75	43	559535	104.285	ug/l	100
61) Tetrachloroethene	10.63	164	85553	21.103	ug/l	97
62) Toluene	10.15	91	430337	21.325	ug/l	100
64) Chlorobenzene	11.43	112	259117	21.002	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	96493	20.858	ug/l	99
66) Ethyl Benzene	11.51	91	472374	21.140	ug/l	98
67) m/p-Xylenes	11.62	106	350111	41.938	ug/l	99
68) o-Xylene	11.95	106	168833	20.861	ug/l	100
69) Styrene	11.97	104	270758	20.251	ug/l	100
70) Isopropylbenzene	12.25	105	460062	21.055	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	149952	20.385	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	134420m	20.167	ug/l	
73) Bromobenzene	12.53	156	107741	20.300	ug/l	99
74) n-propylbenzene	12.60	91	546259	21.358	ug/l	100
75) 2-Chlorotoluene	12.68	91	325132	21.129	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	395839	21.151	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48481	19.093	ug/l	98
78) 4-Chlorotoluene	12.78	91	330450	20.836	ug/l	100
79) tert-butylbenzene	13.00	119	333361	20.850	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	392524	21.108	ug/l	100
81) sec-Butylbenzene	13.18	105	446997	20.773	ug/l	99
82) p-Isopropyltoluene	13.29	119	401058	20.756	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	196143	20.424	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	196281	20.462	ug/l	99
85) n-Butylbenzene	13.62	91	363056	20.523	ug/l	99
86) Hexachloroethane	13.88	117	71480	20.327	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	197126	20.792	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	32640	19.936	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	116148	19.402	ug/l	97
90) Hexachlorobutadiene	15.01	225	62160	20.108	ug/l	98
91) Naphthalene	15.13	128	347233	19.645	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	114942	19.724	ug/l	99

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

