

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053096.D
 Acq On : 21 Dec 2018 11:11
 Operator : MD\SY
 Sample : VN1221WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:17 AM

Quant Time: Dec 22 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167903	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867135	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	327218	28.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.33%
60) 4-Bromofluorobenzene	12.40	95	403560	30.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.47%
63) Toluene-d8	10.09	98	1149950	28.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	165113	17.266	ug/l 100
3) Chloromethane	2.06	50	218156	17.202	ug/l 100
4) Vinyl Chloride	2.19	62	229603	17.938	ug/l 99
5) Bromomethane	2.58	94	144381	19.783	ug/l 99
6) Chloroethane	2.71	64	140905	18.511	ug/l 99
7) Trichlorofluoromethane	3.03	101	296889	18.794	ug/l 100
8) Diethyl Ether	3.42	74	121655	20.856	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190557	19.029	ug/l 96
10) 1,1-Dichloroethene	3.74	96	187065	19.868	ug/l 93
11) Methyl Iodide	3.96	142	232782	17.806	ug/l 99
12) Methyl Acetate	4.33	43	183389	22.923	ug/l 97
13) Acrolein	3.61	56	82548	87.841	ug/l 100
14) Acrylonitrile	4.99	53	382511	112.216	ug/l 99
15) Acetone	3.82	58	82651	93.626	ug/l 90
16) Carbon Disulfide	4.06	76	507378	17.020	ug/l 100
17) Allyl chloride	4.33	41	285429	17.382	ug/l 97
18) Methylene Chloride	4.56	84	219609	20.144	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	197418	19.483	ug/l 93
20) Diisopropyl ether	5.95	45	663505	19.228	ug/l 97
21) 1,1-Dichloroethane	5.85	63	380919	19.368	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	234868	20.225	ug/l 96
23) tert-Butyl Alcohol	4.78	59	73321	144.595	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	551586	22.331	ug/l 96
25) Chloroform	7.37	83	371978	19.604	ug/l 97
26) Cyclohexane	7.66	56	329812	17.780	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	285388	19.015	ug/l 98
30) 2-Butanone	6.84	43	421655	104.993	ug/l 97
31) 2,2-Dichloropropane	6.83	77	284238	20.571	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	310724	19.897	ug/l 97
33) Carbon Tetrachloride	7.78	117	268125	19.622	ug/l 99
34) Benzene	8.05	78	878202	19.462	ug/l 97
35) Methacrylonitrile	7.17	41	94881	19.042	ug/l 97
36) 1,2-Dichloroethane	8.13	62	262012	19.162	ug/l 97
37) Trichloroethene	8.84	130	237486	20.755	ug/l 98
38) Methylcyclohexane	9.08	83	326452	17.571	ug/l 96
39) 1,2-Dichloropropane	9.12	63	235086	19.436	ug/l 99
40) Dibromomethane	9.21	93	135181	20.681	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	284450	19.697	ug/l	99
42) Vinyl Acetate	5.90	43	2079505	95.701	ug/l	97
43) Ethyl Acetate	6.84	43	421655	49.376	ug/l	100
44) Isopropyl Acetate	8.17	43	349674	23.348	ug/l #	80
45) 1,4-Dioxane	9.20	88	45154	551.108	ug/l	89
46) Methyl methacrylate	9.20	41	173222	22.276	ug/l	97
47) n-amyl Acetate	12.07	43	300440	24.194	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	290006	20.711	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	340145	19.938	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	199747	21.558	ug/l	99
51) Ethyl methacrylate	10.43	69	268854	23.104	ug/l	92
52) 1,3-Dichloropropane	10.71	76	339267	20.572	ug/l	99
53) Dibromochloromethane	10.90	129	217559	21.328	ug/l	98
54) 1,2-Dibromoethane	11.01	107	199717	22.059	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	764418	112.222	ug/l	98
56) Bromoform	12.13	173	151331	22.696	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	973419	115.792	ug/l	97
59) 2-Hexanone	10.75	43	670611	116.776	ug/l	97
61) Tetrachloroethene	10.63	164	251437	23.543	ug/l	96
62) Toluene	10.16	91	948834	19.849	ug/l	99
64) Chlorobenzene	11.44	112	599256	20.539	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	212426	20.975	ug/l	98
66) Ethyl Benzene	11.51	91	1029954	19.991	ug/l	100
67) m/p-Xylenes	11.62	106	782961	40.792	ug/l	98
68) o-Xylene	11.95	106	386856	20.766	ug/l	98
69) Styrene	11.97	104	629967	20.950	ug/l	98
70) Isopropylbenzene	12.25	105	1018455	20.547	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	236559	21.939	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	212531m	22.961	ug/l	
73) Bromobenzene	12.53	156	261521	21.815	ug/l	95
74) n-propylbenzene	12.59	91	1135111	19.654	ug/l	99
75) 2-Chlorotoluene	12.68	91	681446	20.328	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	804040	20.083	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	65841	22.518	ug/l	96
78) 4-Chlorotoluene	12.78	91	678023	20.253	ug/l	99
79) tert-butylbenzene	12.99	119	710394	20.374	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	810481	20.231	ug/l	100
81) sec-Butylbenzene	13.17	105	938162	19.318	ug/l	100
82) p-Isopropyltoluene	13.29	119	805522	19.479	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	440290	20.882	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	435853	21.396	ug/l	98
85) n-Butylbenzene	13.62	91	635308	17.885	ug/l	98
86) Hexachloroethane	13.88	117	126323	18.028	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	424719	21.168	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33829	22.398	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	203704	20.607	ug/l	99
90) Hexachlorobutadiene	15.01	225	128879	19.874	ug/l	99
91) Naphthalene	15.14	128	464076	23.247	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	189608	20.813	ug/l	97

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

