

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051630.D
 Acq On : 1 Oct 2018 12:01
 Operator : MD\SY
 Sample : VN1001WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1001WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:55 PM

Quant Time: Oct 02 01:20:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	105477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	567782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	486350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228542	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	221628	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	10.09	98	709448	30.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	181958	19.657	ug/l 100
3) Chloromethane	2.06	50	200812	19.386	ug/l 99
4) Vinyl Chloride	2.19	62	171437	16.871	ug/l 98
5) Bromomethane	2.57	94	97246	18.424	ug/l 98
6) Chloroethane	2.71	64	99034	19.427	ug/l 94
7) Trichlorofluoromethane	3.02	101	226844	18.271	ug/l 99
8) Diethyl Ether	3.41	74	73695	18.898	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138910	19.793	ug/l 98
10) 1,1-Dichloroethene	3.74	96	123335	19.365	ug/l 97
11) Methyl Iodide	3.95	142	151916	18.530	ug/l 97
12) Methyl Acetate	4.33	43	105623	18.791	ug/l 93
13) Acrolein	3.61	56	51293	82.598	ug/l 94
14) Acrylonitrile	4.99	53	211327	93.880	ug/l 98
15) Acetone	3.82	58	55895	94.704	ug/l 100
16) Carbon Disulfide	4.05	76	371221	18.088	ug/l 99
17) Allyl chloride	4.33	41	197169	17.306	ug/l 99
18) Methylene Chloride	4.55	84	143060	19.538	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	127248	18.822	ug/l 96
20) Diisopropyl ether	5.96	45	440191	19.476	ug/l 99
21) 1,1-Dichloroethane	5.85	63	257026	19.188	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	139404	18.880	ug/l 99
23) tert-Butyl Alcohol	4.79	59	40818	94.796	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	318319	19.017	ug/l 98
25) Chloroform	7.37	83	250531	19.561	ug/l 99
26) Cyclohexane	7.65	56	211095	18.211	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	184184	19.024	ug/l 99
30) 2-Butanone	6.84	43	243721	92.492	ug/l 100
31) 2,2-Dichloropropane	6.83	77	198556	19.002	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	213641	19.639	ug/l 98
33) Carbon Tetrachloride	7.78	117	192619	19.701	ug/l 99
34) Benzene	8.04	78	562416	19.580	ug/l 100
35) Methacrylonitrile	7.18	41	57420	19.382	ug/l 94
36) 1,2-Dichloroethane	8.13	62	180313	19.694	ug/l 99
37) Trichloroethene	8.84	130	139391	18.901	ug/l 98
38) Methylcyclohexane	9.08	83	200083	17.909	ug/l 99
39) 1,2-Dichloropropane	9.12	63	153018	19.441	ug/l 99
40) Dibromomethane	9.21	93	86937	19.884	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	185994	19.488	ug/l	99
42) Vinyl Acetate	5.90	43	1386989	94.548	ug/l	100
43) Ethyl Acetate	6.93	43	102431	18.365	ug/l	99
44) Isopropyl Acetate	8.17	43	200766m	18.384	ug/l	
45) 1,4-Dioxane	9.20	88	23997	406.199	ug/l	98
46) Methyl methacrylate	9.20	41	93279	18.361	ug/l	97
47) n-amyl Acetate	12.07	43	142479	17.437	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	171020	17.954	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	210757	18.925	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	121406	19.649	ug/l	98
51) Ethyl methacrylate	10.43	69	134117	17.890	ug/l	98
52) 1,3-Dichloropropane	10.71	76	204309	19.285	ug/l	100
53) Dibromochloromethane	10.90	129	134643	19.133	ug/l	99
54) 1,2-Dibromoethane	11.01	107	112795	19.025	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	319769	86.297	ug/l	99
56) Bromoform	12.13	173	89161	19.094	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	554131	100.353	ug/l	99
59) 2-Hexanone	10.75	43	342566	94.302	ug/l	99
61) Tetrachloroethene	10.63	164	132554	19.251	ug/l	98
62) Toluene	10.16	91	582456	19.531	ug/l	99
64) Chlorobenzene	11.43	112	343367	19.043	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	137761	20.009	ug/l	97
66) Ethyl Benzene	11.51	91	559740	18.339	ug/l	100
67) m/p-Xylenes	11.62	106	448547	38.132	ug/l	100
68) o-Xylene	11.95	106	212250	18.902	ug/l	95
69) Styrene	11.96	104	327818	18.600	ug/l	100
70) Isopropylbenzene	12.25	105	563980	18.829	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	145352	20.058	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	118767m	19.169	ug/l	
73) Bromobenzene	12.53	156	141685	19.008	ug/l	98
74) n-propylbenzene	12.59	91	641621	18.401	ug/l	100
75) 2-Chlorotoluene	12.67	91	397106	19.072	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	478938	19.136	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36097	18.396	ug/l	95
78) 4-Chlorotoluene	12.77	91	379400	18.446	ug/l	100
79) tert-butylbenzene	12.99	119	409904	18.904	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	474600	18.985	ug/l	100
81) sec-Butylbenzene	13.17	105	558036	18.631	ug/l	99
82) p-Isopropyltoluene	13.29	119	474487	18.535	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	238808	18.386	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222291	18.207	ug/l	100
85) n-Butylbenzene	13.62	91	353953	16.845	ug/l	100
86) Hexachloroethane	13.87	117	87893	17.166	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	242310	19.071	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20196	19.121	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	88707	14.916	ug/l	98
90) Hexachlorobutadiene	15.01	225	88777	18.311	ug/l	96
91) Naphthalene	15.13	128	152041	16.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	97301	16.268	ug/l	97

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

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