

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052747.D
 Acq On : 10 Dec 2018 12:30
 Operator : MD\SY
 Sample : VN1210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1210WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:45 PM

Quant Time: Dec 11 01:09:40 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	161378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	941415	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	828263	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325602	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	12.40	95	384610	30.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.23%
63) Toluene-d8	10.09	98	1122903	29.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	168902	18.377	ug/l 100
3) Chloromethane	2.06	50	222050	18.217	ug/l 100
4) Vinyl Chloride	2.19	62	232846	18.927	ug/l 96
5) Bromomethane	2.58	94	127631	18.195	ug/l 98
6) Chloroethane	2.71	64	144558	19.759	ug/l 99
7) Trichlorofluoromethane	3.03	101	300321	19.780	ug/l 98
8) Diethyl Ether	3.41	74	116953	20.861	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186956	19.424	ug/l 97
10) 1,1-Dichloroethene	3.74	96	182297	20.144	ug/l 97
11) Methyl Iodide	3.96	142	208949	16.630	ug/l 99
12) Methyl Acetate	4.33	43	162306	21.108	ug/l 97
13) Acrolein	3.61	56	24577	27.210	ug/l 92
14) Acrylonitrile	4.99	53	340736	104.002	ug/l 98
15) Acetone	3.82	58	82902	97.707	ug/l 99
16) Carbon Disulfide	4.06	76	519893	18.145	ug/l 100
17) Allyl chloride	4.33	41	285723	18.104	ug/l 99
18) Methylene Chloride	4.55	84	211256	20.161	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	197165	20.245	ug/l 94
20) Diisopropyl ether	5.95	45	665812	20.075	ug/l 98
21) 1,1-Dichloroethane	5.85	63	377452	19.967	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	231233	20.717	ug/l 98
23) tert-Butyl Alcohol	4.77	59	54668m	112.169	ug/l
24) Methyl tert-Butyl Ether	5.05	73	509411	21.457	ug/l 99
25) Chloroform	7.37	83	374457	20.533	ug/l 99
26) Cyclohexane	7.66	56	333246	18.691	ug/l 98
29) 1,1-Dichloropropene	7.79	75	282474	19.649	ug/l 99
30) 2-Butanone	6.84	43	392434	102.013	ug/l 99
31) 2,2-Dichloropropane	6.83	77	276871	20.919	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	305405	20.416	ug/l 98
33) Carbon Tetrachloride	7.78	117	265503	20.285	ug/l 98
34) Benzene	8.04	78	861993	19.943	ug/l 98
35) Methacrylonitrile	7.18	41	107819	22.590	ug/l 98
36) 1,2-Dichloroethane	8.12	62	262642	20.052	ug/l 99
37) Trichloroethene	8.84	130	233434	21.298	ug/l 96
38) Methylcyclohexane	9.08	83	335990	18.879	ug/l 98
39) 1,2-Dichloropropane	9.12	63	230831	19.923	ug/l 99
40) Dibromomethane	9.21	93	132271	21.126	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	281984	20.385	ug/l	98
42) Vinyl Acetate	5.90	43	1970312	94.663	ug/l	99
43) Ethyl Acetate	6.93	43	173628	21.226	ug/l #	70
44) Isopropyl Acetate	8.16	43	318076	22.172	ug/l	100
45) 1,4-Dioxane	9.20	88	33762	430.185	ug/l	95
46) Methyl methacrylate	9.20	41	157771	21.181	ug/l	99
47) n-amyl Acetate	12.07	43	267677	22.504	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	273250	20.372	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	326919	20.006	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	189830	21.389	ug/l	98
51) Ethyl methacrylate	10.43	69	242001	21.711	ug/l	94
52) 1,3-Dichloropropane	10.71	76	324306	20.529	ug/l	100
53) Dibromochloromethane	10.90	129	206155	21.098	ug/l	99
54) 1,2-Dibromoethane	11.01	107	183544	21.164	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	674764	103.416	ug/l	99
56) Bromoform	12.13	173	133648	20.926	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	866119	107.863	ug/l	99
59) 2-Hexanone	10.75	43	588328	107.256	ug/l	97
61) Tetrachloroethene	10.63	164	247289	24.241	ug/l	97
62) Toluene	10.16	91	920950	20.170	ug/l	100
64) Chlorobenzene	11.43	112	573241	20.569	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	200588	20.735	ug/l	99
66) Ethyl Benzene	11.51	91	994954	20.218	ug/l	99
67) m/p-Xylenes	11.62	106	755900	41.230	ug/l	98
68) o-Xylene	11.95	106	368184	20.691	ug/l	99
69) Styrene	11.96	104	595788	20.743	ug/l	100
70) Isopropylbenzene	12.25	105	972594	20.542	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	214170	20.795	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	201863m	22.832	ug/l	
73) Bromobenzene	12.53	156	246321	21.511	ug/l	95
74) n-propylbenzene	12.59	91	1118368	20.273	ug/l	99
75) 2-Chlorotoluene	12.68	91	657256	20.526	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	796865	20.838	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58545	20.962	ug/l	97
78) 4-Chlorotoluene	12.77	91	664227	20.773	ug/l	100
79) tert-butylbenzene	12.99	119	703745	21.131	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	806602	21.079	ug/l	100
81) sec-Butylbenzene	13.17	105	955105	20.589	ug/l	100
82) p-Isopropyltoluene	13.29	119	816169	20.662	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	437244	21.711	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	421448	21.659	ug/l	98
85) n-Butylbenzene	13.62	91	681349	20.081	ug/l	99
86) Hexachloroethane	13.88	117	132600	19.812	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	426484	22.253	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33474	23.203	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	232926	24.669	ug/l	99
90) Hexachlorobutadiene	15.01	225	131162	21.176	ug/l	99
91) Naphthalene	15.13	128	504990	26.484	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	215720	24.791	ug/l	99

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

