

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053339.D
 Acq On : 10 Jan 2019 14:07
 Operator : MD\SY
 Sample : VN0110WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:11:50 AM

Quant Time: Jan 11 06:20:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161194	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	928481	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	826339	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	310905	30.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.20%
60) 4-Bromofluorobenzene	12.40	95	378525	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	1108572	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	208992	19.459	ug/l 100
3) Chloromethane	2.06	50	246714	19.572	ug/l 98
4) Vinyl Chloride	2.19	62	242837	19.577	ug/l 97
5) Bromomethane	2.55	94	147535	18.447	ug/l 98
6) Chloroethane	2.70	64	141662	19.826	ug/l 99
7) Trichlorofluoromethane	3.02	101	304296	19.865	ug/l 100
8) Diethyl Ether	3.41	74	117210	20.595	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	185841	19.309	ug/l 96
10) 1,1-Dichloroethene	3.74	96	186590	19.866	ug/l 94
11) Methyl Iodide	3.95	142	253579	18.436	ug/l 99
12) Methyl Acetate	4.32	43	168494	23.017	ug/l 97
13) Acrolein	3.61	56	94475	108.092	ug/l 99
14) Acrylonitrile	4.99	53	367592	112.242	ug/l 98
15) Acetone	3.82	58	82155	118.034	ug/l 99
16) Carbon Disulfide	4.06	76	526309	18.215	ug/l 100
17) Allyl chloride	4.33	41	296660	20.078	ug/l 98
18) Methylene Chloride	4.55	84	217405	20.225	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	195371	19.683	ug/l 94
20) Diisopropyl ether	5.95	45	649220	20.517	ug/l 96
21) 1,1-Dichloroethane	5.85	63	375964	20.406	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	228382	20.425	ug/l 96
23) tert-Butyl Alcohol	4.79	59	51168	92.681	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	529500	21.620	ug/l 96
25) Chloroform	7.37	83	361828	20.431	ug/l 99
26) Cyclohexane	7.65	56	333947	19.433	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	280831	19.968	ug/l 99
30) 2-Butanone	6.83	43	409538	116.717	ug/l 98
31) 2,2-Dichloropropane	6.83	77	258944	19.019	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	302364	20.519	ug/l 97
33) Carbon Tetrachloride	7.77	117	257251	19.944	ug/l 97
34) Benzene	8.04	78	858227	20.305	ug/l 97
35) Methacrylonitrile	7.18	41	112300	24.803	ug/l 92
36) 1,2-Dichloroethane	8.12	62	258504	21.067	ug/l 97
37) Trichloroethene	8.84	130	232238	20.282	ug/l 94
38) Methylcyclohexane	9.08	83	335828	20.415	ug/l 96
39) 1,2-Dichloropropane	9.12	63	226142	20.489	ug/l 97
40) Dibromomethane	9.21	93	133575	21.400	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	268739	20.048	ug/l	99
42) Vinyl Acetate	5.90	43	2083270	108.828	ug/l	97
43) Ethyl Acetate	6.93	43	179651	22.926	ug/l #	70
44) Isopropyl Acetate	8.16	43	331793	22.731	ug/l #	80
45) 1,4-Dioxane	9.20	88	23464	262.874	ug/l	97
46) Methyl methacrylate	9.20	41	162415	22.025	ug/l	96
47) n-amyl Acetate	12.07	43	285992	22.310	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	274847	20.089	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	322484	20.018	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	190012	21.231	ug/l	99
51) Ethyl methacrylate	10.43	69	251474	21.560	ug/l	93
52) 1,3-Dichloropropane	10.71	76	328697	21.320	ug/l	99
53) Dibromochloromethane	10.90	129	208584	20.751	ug/l	98
54) 1,2-Dibromoethane	11.01	107	191628	21.225	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	683216	102.066	ug/l	99
56) Bromoform	12.13	173	142866	20.777	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	923660	117.303	ug/l	97
59) 2-Hexanone	10.75	43	613739	112.902	ug/l	96
61) Tetrachloroethene	10.63	164	255515	20.924	ug/l	96
62) Toluene	10.16	91	921058	20.324	ug/l	99
64) Chlorobenzene	11.43	112	579853	20.390	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	202531	20.302	ug/l	99
66) Ethyl Benzene	11.51	91	992309	20.191	ug/l	98
67) m/p-Xylenes	11.62	106	753137	40.519	ug/l	98
68) o-Xylene	11.95	106	365587	20.297	ug/l	99
69) Styrene	11.96	104	600622	20.430	ug/l	99
70) Isopropylbenzene	12.25	105	976970	20.616	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	218994	21.953	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	193990m	22.206	ug/l	
73) Bromobenzene	12.53	156	254387	20.883	ug/l	93
74) n-propylbenzene	12.59	91	1108171	20.658	ug/l	98
75) 2-Chlorotoluene	12.68	91	643920	20.268	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	774845	20.612	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	61408	20.006	ug/l	95
78) 4-Chlorotoluene	12.77	91	657205	20.322	ug/l	100
79) tert-butylbenzene	12.99	119	687856	20.981	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	784684	20.827	ug/l	100
81) sec-Butylbenzene	13.17	105	932740	21.485	ug/l	100
82) p-Isopropyltoluene	13.29	119	798848	21.295	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	419035	20.203	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	412176	20.387	ug/l	98
85) n-Butylbenzene	13.62	91	643771	21.102	ug/l	98
86) Hexachloroethane	13.88	117	118711	19.820	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	391591	20.319	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25867	18.131	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	144081	15.403	ug/l	99
90) Hexachlorobutadiene	15.01	225	119172	21.048	ug/l	99
91) Naphthalene	15.13	128	253256	12.761	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	102593	12.293	ug/l	98

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

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