

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056418.D
 Acq On : 21 Jun 2019 12:08
 Operator : JC/SP
 Sample : VN0621WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Quant Time: Jun 24 09:37:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	61771	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	332487	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290859	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	123761	32.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.53%
60) 4-Bromofluorobenzene	12.40	95	127134	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	404274	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73557	21.172	ug/l 99
3) Chloromethane	2.06	50	86467	21.301	ug/l 97
4) Vinyl Chloride	2.18	62	84682	20.461	ug/l 96
5) Bromomethane	2.52	94	47906m	18.418	ug/l
6) Chloroethane	2.68	64	49733	21.245	ug/l 97
7) Trichlorofluoromethane	3.00	101	108565	21.201	ug/l 97
8) Diethyl Ether	3.41	74	43570	20.062	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66301	20.975	ug/l 95
10) 1,1-Dichloroethene	3.73	96	64928	20.136	ug/l 97
11) Methyl Iodide	3.95	142	86958	17.093	ug/l 99
12) Methyl Acetate	4.33	43	90516	23.361	ug/l 100
13) Acrolein	3.61	56	17491	92.615	ug/l 98
14) Acrylonitrile	4.99	53	189888	109.893	ug/l 99
15) Acetone	3.82	58	57456	101.553	ug/l 95
16) Carbon Disulfide	4.05	76	133726	17.430	ug/l 100
17) Allyl chloride	4.32	41	105441	21.105	ug/l 97
18) Methylene Chloride	4.55	84	76338	20.450	ug/l 89
19) trans-1,2-Dichloroethene	5.04	96	68516	19.907	ug/l 95
20) Diisopropyl ether	5.95	45	226235	21.857	ug/l 97
21) 1,1-Dichloroethane	5.85	63	129843	21.585	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	81941	20.397	ug/l 96
23) tert-Butyl Alcohol	4.80	59	62062	92.275	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	213352	20.762	ug/l 99
25) Chloroform	7.37	83	126107	20.994	ug/l 98
26) Cyclohexane	7.65	56	117967	21.138	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	94091	20.921	ug/l 98
30) 2-Butanone	6.84	43	256187	108.202	ug/l 99
31) 2,2-Dichloropropane	6.82	77	85134	20.348	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	102384	20.605	ug/l 99
33) Carbon Tetrachloride	7.77	117	81667	19.399	ug/l 99
34) Benzene	8.04	78	297351	20.750	ug/l 97
35) Methacrylonitrile	7.18	41	47068	23.542	ug/l 97
36) 1,2-Dichloroethane	8.13	62	98688	21.987	ug/l 98
37) Trichloroethene	8.83	130	77868	19.419	ug/l 93
38) Methylcyclohexane	9.08	83	113676	19.937	ug/l 98
39) 1,2-Dichloropropane	9.12	63	77961	21.242	ug/l 98
40) Dibromomethane	9.21	93	50363	20.696	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	89419	20.521	ug/l	99
42) Vinyl Acetate	5.90	43	907166	107.470	ug/l	98
43) Ethyl Acetate	6.93	43	97297	21.472	ug/l	93
44) Isopropyl Acetate	8.17	43	144809	20.582	ug/l #	83
45) 1,4-Dioxane	9.20	88	30120	400.196	ug/l	96
46) Methyl methacrylate	9.20	41	71996	20.599	ug/l	96
47) n-amyl Acetate	12.07	43	116464	20.016	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	88019	19.194	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	108046	20.122	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	74266	20.547	ug/l	98
51) Ethyl methacrylate	10.43	69	106046	19.394	ug/l	94
52) 1,3-Dichloropropane	10.71	76	125831	21.474	ug/l	99
53) Dibromochloromethane	10.90	129	66936	18.919	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76117	20.182	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	174121	90.910	ug/l	98
56) Bromoform	12.13	173	43800	17.112	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	483280	109.728	ug/l	97
59) 2-Hexanone	10.75	43	339293	107.781	ug/l	99
61) Tetrachloroethene	10.63	164	76776	18.940	ug/l	100
62) Toluene	10.16	91	318405	20.278	ug/l	99
64) Chlorobenzene	11.43	112	191896	20.148	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	67549	19.669	ug/l	99
66) Ethyl Benzene	11.51	91	334646	20.010	ug/l	100
67) m/p-Xylenes	11.62	106	249542	38.983	ug/l	95
68) o-Xylene	11.95	106	123921	19.774	ug/l	96
69) Styrene	11.96	104	193975	19.051	ug/l	98
70) Isopropylbenzene	12.25	105	329338	20.114	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	102474	20.758	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	84248m	19.714	ug/l	
73) Bromobenzene	12.53	156	82497	18.982	ug/l	94
74) n-propylbenzene	12.59	91	338831	19.609	ug/l	98
75) 2-Chlorotoluene	12.67	91	213757	19.945	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	265638	19.723	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	19890	16.311	ug/l	87
78) 4-Chlorotoluene	12.77	91	189832	18.966	ug/l	98
79) tert-butylbenzene	12.99	119	235890	19.769	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	247518	18.892	ug/l	100
81) sec-Butylbenzene	13.17	105	298615	19.782	ug/l	99
82) p-Isopropyltoluene	13.29	119	251198	18.406	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	119430	17.633	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	108557	16.827	ug/l	98
85) n-Butylbenzene	13.61	91	167360	16.431	ug/l	98
86) Hexachloroethane	13.87	117	39087	18.371	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	122018	17.724	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13391	17.281	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	37541	16.328	ug/l	97
90) Hexachlorobutadiene	15.01	225	43289	17.224	ug/l	98
91) Naphthalene	15.13	128	109037	11.925	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	47144	13.082	ug/l	98

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

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