

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058955.D
 Acq On : 24 Oct 2019 13:00
 Operator : JC/SP
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:51 PM

Quant Time: Oct 25 01:58:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	57608	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	314561	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	292243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	153537	31.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.67%
60) 4-Bromofluorobenzene	12.40	95	147859	28.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.40%
63) Toluene-d8	10.08	98	422050	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67197	21.529	ug/l 99
3) Chloromethane	2.04	50	89019	21.351	ug/l 98
4) Vinyl Chloride	2.17	62	91408	21.212	ug/l 98
5) Bromomethane	2.55	94	56074	21.076	ug/l 99
6) Chloroethane	2.69	64	59698	22.040	ug/l 97
7) Trichlorofluoromethane	3.00	101	118298	22.304	ug/l 99
8) Diethyl Ether	3.39	74	42833	21.174	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68522	22.328	ug/l 98
10) 1,1-Dichloroethene	3.72	96	62347	20.685	ug/l 96
11) Methyl Iodide	3.93	142	70983	16.910	ug/l 98
12) Methyl Acetate	4.30	43	100268	20.792	ug/l 99
13) Acrolein	3.58	56	45455	85.307	ug/l 98
14) Acrylonitrile	4.96	53	201234	105.903	ug/l 99
15) Acetone	3.79	58	61566	109.152	ug/l 100
16) Carbon Disulfide	4.03	76	185472	21.097	ug/l 100
17) Allyl chloride	4.30	41	125595	20.935	ug/l 95
18) Methylene Chloride	4.53	84	78797	21.588	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	69877	21.295	ug/l 90
20) Diisopropyl ether	5.92	45	264314	21.624	ug/l 97
21) 1,1-Dichloroethane	5.82	63	148072	21.877	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	79502	20.321	ug/l 92
23) tert-Butyl Alcohol	4.76	59	74713	96.129	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	229745	20.431	ug/l 97
25) Chloroform	7.35	83	145353	21.532	ug/l 95
26) Cyclohexane	7.63	56	118871	20.009	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	104286	21.061	ug/l 100
30) 2-Butanone	6.81	43	287596	102.780	ug/l 99
31) 2,2-Dichloropropane	6.80	77	125052	21.427	ug/l # 53
32) 1,1,1-Trichloroethane	7.55	97	124677	21.770	ug/l 99
33) Carbon Tetrachloride	7.76	117	107800	21.746	ug/l 95
34) Benzene	8.03	78	318292	21.834	ug/l 98
35) Methacrylonitrile	7.16	41	50148m	20.287	ug/l
36) 1,2-Dichloroethane	8.11	62	122415	21.963	ug/l 99
37) Trichloroethene	8.82	130	75102	20.970	ug/l 99
38) Methylcyclohexane	9.07	83	111277	19.383	ug/l 96
39) 1,2-Dichloropropane	9.11	63	87508	21.966	ug/l 99
40) Dibromomethane	9.20	93	55033	21.882	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	113879	22.165	ug/l	100
42) Vinyl Acetate	5.87	43	1083718	110.585	ug/l	99
43) Ethyl Acetate	6.90	43	114767	20.897	ug/l	96
44) Isopropyl Acetate	8.15	43	183040	20.575	ug/l	98
45) 1,4-Dioxane	9.19	88	26322	385.326	ug/l	99
46) Methyl methacrylate	9.19	41	82088	20.100	ug/l	97
47) n-amyl Acetate	12.07	43	144252	18.292	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	121613	20.409	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	131569	21.027	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	77655	21.629	ug/l	98
51) Ethyl methacrylate	10.43	69	108827	18.957	ug/l	99
52) 1,3-Dichloropropane	10.70	76	134310	21.006	ug/l	99
53) Dibromochloromethane	10.90	129	81466	21.144	ug/l	99
54) 1,2-Dibromoethane	11.00	107	79195	21.281	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	269090	94.230	ug/l	100
56) Bromoform	12.13	173	56412	21.018	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	576067	108.054	ug/l	99
59) 2-Hexanone	10.75	43	418544	100.141	ug/l	99
61) Tetrachloroethene	10.63	164	67465	21.363	ug/l	99
62) Toluene	10.15	91	330779	21.042	ug/l	99
64) Chlorobenzene	11.43	112	198777	20.683	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	76157	21.133	ug/l	100
66) Ethyl Benzene	11.51	91	352550	20.254	ug/l	99
67) m/p-Xylenes	11.62	106	260931	40.124	ug/l	97
68) o-Xylene	11.95	106	123341	19.564	ug/l	98
69) Styrene	11.97	104	200769	19.277	ug/l	99
70) Isopropylbenzene	12.25	105	338122	19.865	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	116556	20.341	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	102075m	19.659	ug/l	
73) Bromobenzene	12.53	156	81846	19.797	ug/l	96
74) n-propylbenzene	12.59	91	405888	20.373	ug/l	99
75) 2-Chlorotoluene	12.68	91	244505	20.398	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	289975	19.891	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38006	19.214	ug/l	96
78) 4-Chlorotoluene	12.78	91	244843	19.818	ug/l	100
79) tert-butylbenzene	13.00	119	243109	19.519	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	286420	19.772	ug/l	99
81) sec-Butylbenzene	13.17	105	326096	19.455	ug/l	98
82) p-Isopropyltoluene	13.29	119	288136	19.143	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	146205	19.543	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	138629	18.552	ug/l	99
85) n-Butylbenzene	13.62	91	247100	17.931	ug/l	99
86) Hexachloroethane	13.88	117	56466	20.614	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	145574	19.711	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24700	19.366	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	73526	15.767	ug/l	98
90) Hexachlorobutadiene	15.01	225	45462	18.879	ug/l	100
91) Naphthalene	15.13	128	206557	15.002	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	75175	16.560	ug/l	98

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

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