

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063036.D
 Acq On : 20 Aug 2020 14:55
 Operator : JC/MD
 Sample : VN0820WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:21:06 AM

Quant Time: Aug 21 06:00:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31334	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	162259	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	153112	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	66219	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.38	95	71799	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	10.06	98	212554	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	48879	21.818 ug/l	97
3) Chloromethane	2.03	50	51553	20.796 ug/l	99
4) Vinyl Chloride	2.16	62	51452	20.617 ug/l	97
5) Bromomethane	2.53	94	31844	20.700 ug/l	98
6) Chloroethane	2.67	64	31085	21.076 ug/l	100
7) Trichlorofluoromethane	2.98	101	62900	20.901 ug/l	99
8) Diethyl Ether	3.37	74	19725	19.707 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32366	19.890 ug/l	98
10) 1,1-Dichloroethene	3.69	96	28671	19.608 ug/l	96
11) Methyl Iodide	3.91	142	39359	19.619 ug/l	95
12) Methyl Acetate	4.28	43	40138	20.594 ug/l	99
13) Acrolein	3.57	56	15951	79.852 ug/l	99
14) Acrylonitrile	4.93	53	83491	97.830 ug/l	99
15) Acetone	3.78	58	24072	97.459 ug/l	96
16) Carbon Disulfide	4.01	76	78471	19.991 ug/l	99
17) Allyl chloride	4.27	41	51919	19.351 ug/l	97
18) Methylene Chloride	4.50	84	52360	25.594 ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	31790	19.771 ug/l	95
20) Diisopropyl ether	5.90	45	128895	20.511 ug/l	99
21) 1,1-Dichloroethane	5.79	63	70046	20.310 ug/l	100
22) cis-1,2-Dichloroethene	6.78	96	39462	19.805 ug/l	100
23) tert-Butyl Alcohol	4.73	59	27514	98.407 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	106411	19.837 ug/l	100
25) Chloroform	7.33	83	69377	20.199 ug/l	98
26) Cyclohexane	7.61	56	59491	20.038 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	45990	19.517 ug/l	99
30) 2-Butanone	6.79	43	105989	96.503 ug/l	99
31) 2,2-Dichloropropane	6.77	77	56668	19.785 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	56733	19.990 ug/l	99
33) Carbon Tetrachloride	7.73	117	48007	19.864 ug/l	98
34) Benzene	8.00	78	150651	19.950 ug/l	98
35) Methacrylonitrile	7.12	41	18722	17.936 ug/l	96
36) 1,2-Dichloroethane	8.08	62	50972	19.786 ug/l	99
37) Trichloroethene	8.80	130	36973	19.993 ug/l	96
38) Methylcyclohexane	9.05	83	56482	19.110 ug/l	99
39) 1,2-Dichloropropane	9.08	63	43591	19.835 ug/l	98
40) Dibromomethane	9.17	93	25119	19.686 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	56123	19.848	ug/l	97
42) Vinyl Acetate	5.84	43	393033	94.465	ug/l	100
43) Ethyl Acetate	6.88	43	40741	19.435	ug/l #	84
44) Isopropyl Acetate	8.13	43	68119	19.356	ug/l	97
45) 1,4-Dioxane	9.17	88	13137	398.571	ug/l	96
46) Methyl methacrylate	9.17	41	32780	18.919	ug/l	98
47) n-amyl Acetate	12.05	43	56045	17.943	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	56418	18.892	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	63163	19.431	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	38970	19.808	ug/l	98
51) Ethyl methacrylate	10.40	69	50456	18.850	ug/l	98
52) 1,3-Dichloropropane	10.68	76	64265	19.771	ug/l	99
53) Dibromochloromethane	10.87	129	41777	19.351	ug/l	100
54) 1,2-Dibromoethane	10.98	107	37147	19.682	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	48259	87.773	ug/l	99
56) Bromoform	12.10	173	29350	18.565	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	220876	100.280	ug/l	100
59) 2-Hexanone	10.72	43	151633	96.507	ug/l	99
61) Tetrachloroethene	10.60	164	33948	20.225	ug/l	98
62) Toluene	10.12	91	163291	20.123	ug/l	99
64) Chlorobenzene	11.41	112	99724	19.861	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	39649	19.923	ug/l	98
66) Ethyl Benzene	11.48	91	171317	19.368	ug/l	99
67) m/p-Xylenes	11.60	106	132605	40.017	ug/l	98
68) o-Xylene	11.92	106	62149	19.524	ug/l	100
69) Styrene	11.94	104	106709	19.190	ug/l	99
70) Isopropylbenzene	12.22	105	170271	19.663	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	55124	19.851	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	45926m	18.639	ug/l	
73) Bromobenzene	12.50	156	44724	19.152	ug/l	99
74) n-propylbenzene	12.57	91	199401	19.197	ug/l	99
75) 2-Chlorotoluene	12.65	91	120915	19.531	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	143103	19.365	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	16240	18.648	ug/l	96
78) 4-Chlorotoluene	12.75	91	123920	19.414	ug/l	100
79) tert-butylbenzene	12.97	119	122556	19.710	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	138992	19.322	ug/l	99
81) sec-Butylbenzene	13.15	105	167298	19.532	ug/l	99
82) p-Isopropyltoluene	13.26	119	143999	18.964	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	77290	18.956	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	76149	19.109	ug/l	100
85) n-Butylbenzene	13.59	91	110705	17.544	ug/l	99
86) Hexachloroethane	13.85	117	29285	19.582	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	75291	19.281	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7883	17.897	ug/l	91
89) 1,2,4-Trichlorobenzene	14.89	180	32022	16.617	ug/l	97
90) Hexachlorobutadiene	14.98	225	27256	19.109	ug/l	99
91) Naphthalene	15.10	128	63194	14.841	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	32576	16.932	ug/l	99

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

