

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
 Data File : VN061412.D
 Acq On : 15 May 2020 15:34
 Operator : JC/MD
 Sample : VN0515WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

Quant Time: May 16 00:39:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17763	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	108979	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	98922	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50573	31.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.97%
60) 4-Bromofluorobenzene	12.37	95	50897	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.06	98	138933	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	15134	18.71	ug/l	97
3) Chloromethane	2.03	50	31532	21.32	ug/l	97
4) Vinyl Chloride	2.16	62	44512	22.46	ug/l	100
5) Bromomethane	2.54	94	22641	22.49	ug/l	92
6) Chloroethane	2.67	64	30686	22.88	ug/l	97
7) Trichlorofluoromethane	2.98	101	49586	23.37	ug/l	99
8) Diethyl Ether	3.37	74	13024	19.30	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	19249	21.24	ug/l	94
10) 1,1-Dichloroethene	3.69	96	19320	20.25	ug/l	98
11) Methyl Iodide	3.91	142	21129	20.46	ug/l	98
12) Methyl Acetate	4.28	43	23880	20.61	ug/l	100
13) Acrolein	3.56	56	15656	80.24	ug/l	94
14) Acrylonitrile	4.93	53	57762	106.20	ug/l	96
15) Acetone	3.77	58	14245	109.06	ug/l	88
16) Carbon Disulfide	4.01	76	48013	17.90	ug/l	100
17) Allyl chloride	4.27	41	38769	20.19	ug/l	96
18) Methylene Chloride	4.50	84	23003	19.98	ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	22333	19.67	ug/l	91
20) Diisopropyl ether	5.90	45	88194	19.73	ug/l	94
21) 1,1-Dichloroethane	5.79	63	47251	20.24	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	26912	20.21	ug/l	95
23) tert-Butyl Alcohol	4.73	59	24327	139.53	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	77328	19.97	ug/l	95
25) Chloroform	7.33	83	46017	20.33	ug/l	92
26) Cyclohexane	7.61	56	44115	19.79	ug/l #	98
29) 1,1-Dichloropropene	7.75	75	36145	18.90	ug/l	99
30) 2-Butanone	6.78	43	82981	102.58	ug/l	99
31) 2,2-Dichloropropane	6.77	77	43550	19.49	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	40393	18.88	ug/l	98
33) Carbon Tetrachloride	7.73	117	31052	18.91	ug/l	97
34) Benzene	8.00	78	104225	19.26	ug/l	98
35) Methacrylonitrile	7.13	41	15445m	19.04	ug/l	
36) 1,2-Dichloroethane	8.09	62	40583	19.54	ug/l	99
37) Trichloroethene	8.80	130	26455	19.86	ug/l	99
38) Methylcyclohexane	9.05	83	44633	19.44	ug/l	98
39) 1,2-Dichloropropane	9.08	63	28820	19.38	ug/l	97
40) Dibromomethane	9.17	93	17691	19.26	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	37599	18.87	ug/l	99
42) Vinyl Acetate	5.84	43	362330	94.32	ug/l	99
43) Ethyl Acetate	6.88	43	35130	20.33	ug/l	94
44) Isopropyl Acetate	8.12	43	65891	19.64	ug/l	# 86
45) 1,4-Dioxane	9.17	88	9473	715.50	ug/l	95
46) Methyl methacrylate	9.17	41	29337	18.59	ug/l	95
47) n-amyl Acetate	12.04	43	55070	18.40	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	44034	18.72	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	45981	18.48	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	24574	19.35	ug/l	98
51) Ethyl methacrylate	10.40	69	40786	18.64	ug/l	93
52) 1,3-Dichloropropane	10.68	76	44802	19.32	ug/l	97
53) Dibromochloromethane	10.87	129	25742	18.50	ug/l	99
54) 1,2-Dibromoethane	10.98	107	24484	18.68	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	95324	98.42	ug/l	99
56) Bromoform	12.10	173	15512	17.72	ug/l	# 97
58) 4-Methyl-2-Pentanone	9.95	43	179830	99.76	ug/l	99
59) 2-Hexanone	10.72	43	128642	100.89	ug/l	99
61) Tetrachloroethene	10.60	164	24882	20.11	ug/l	96
62) Toluene	10.12	91	111530	19.44	ug/l	99
64) Chlorobenzene	11.41	112	66830	19.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	23891	19.26	ug/l	96
66) Ethyl Benzene	11.48	91	126903	19.28	ug/l	100
67) m/p-Xylenes	11.60	106	94093	38.71	ug/l	100
68) o-Xylene	11.92	106	45319	19.53	ug/l	100
69) Styrene	11.94	104	75220	18.84	ug/l	97
70) Isopropylbenzene	12.22	105	120215	19.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	33945	19.55	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	32286m	19.49	ug/l	
73) Bromobenzene	12.50	156	24733	18.94	ug/l	90
74) n-propylbenzene	12.57	91	142608	19.08	ug/l	98
75) 2-Chlorotoluene	12.65	91	83195	19.41	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	101567	19.25	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	12602	18.28	ug/l	97
78) 4-Chlorotoluene	12.75	91	84629	18.86	ug/l	98
79) tert-butylbenzene	12.97	119	83412	19.04	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	100612	19.11	ug/l	100
81) sec-Butylbenzene	13.15	105	116515	19.30	ug/l	100
82) p-Isopropyltoluene	13.27	119	103131	18.97	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	45266	18.65	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	44380	18.48	ug/l	97
85) n-Butylbenzene	13.59	91	94905	18.86	ug/l	98
86) Hexachloroethane	13.85	117	13777	18.18	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	43436	18.87	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7554	20.41	ug/l	87
89) 1,2,4-Trichlorobenzene	14.89	180	23464	17.74	ug/l	97
90) Hexachlorobutadiene	14.99	225	10222	18.97	ug/l	98
91) Naphthalene	15.11	128	75335	18.11	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	23418	18.23	ug/l	98

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

