

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
 Data File : VN061413.D
 Acq On : 15 May 2020 16:48
 Operator : JC/MD
 Sample : VN0515WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBSD01

Quant Time: May 16 00:43:09 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	7.14	128	17129	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	98671	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	89924	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	47897	31.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	12.37	95	45768	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.06	98	124855	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	13702	17.57	ug/l	96
3) Chloromethane	2.03	50	27654	19.39	ug/l	98
4) Vinyl Chloride	2.16	62	37740	19.74	ug/l	98
5) Bromomethane	2.54	94	20069	20.67	ug/l	97
6) Chloroethane	2.67	64	26094	20.18	ug/l	96
7) Trichlorofluoromethane	2.98	101	52590	25.71	ug/l	100
8) Diethyl Ether	3.37	74	12843	19.74	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	15853	18.14	ug/l	72
10) 1,1-Dichloroethene	3.69	96	16535	17.97	ug/l	98
11) Methyl Iodide	3.91	142	19511	19.59	ug/l	98
12) Methyl Acetate	4.27	43	23701	21.21	ug/l	99
13) Acrolein	3.56	56	14748	78.39	ug/l	95
14) Acrylonitrile	4.92	53	51148	97.52	ug/l	99
15) Acetone	3.77	58	12292	97.59	ug/l	94
16) Carbon Disulfide	4.00	76	42519	16.44	ug/l	97
17) Allyl chloride	4.27	41	37356	20.17	ug/l	97
18) Methylene Chloride	4.50	84	20936	18.86	ug/l	96
19) trans-1,2-Dichloroethene	4.98	96	19996	18.26	ug/l	93
20) Diisopropyl ether	5.89	45	81766	18.97	ug/l	98
21) 1,1-Dichloroethane	5.79	63	41911	18.62	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	24689	19.23	ug/l	98
23) tert-Butyl Alcohol	4.72	59	21338	126.91	ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	73413	19.66	ug/l	96
25) Chloroform	7.32	83	41574	19.05	ug/l	98
26) Cyclohexane	7.61	56	37790	17.58	ug/l #	97
29) 1,1-Dichloropropene	7.75	75	31081	17.95	ug/l	100
30) 2-Butanone	6.78	43	74251	101.37	ug/l	100
31) 2,2-Dichloropropane	6.77	77	35921	17.76	ug/l #	79
32) 1,1,1-Trichloroethane	7.53	97	35099	18.12	ug/l	98
33) Carbon Tetrachloride	7.73	117	26998	18.15	ug/l	94
34) Benzene	8.00	78	93274	19.04	ug/l	98
35) Methacrylonitrile	7.13	41	15892m	21.63	ug/l	
36) 1,2-Dichloroethane	8.08	62	38078	20.25	ug/l	98
37) Trichloroethene	8.80	130	22757	18.87	ug/l	100
38) Methylcyclohexane	9.04	83	37187	17.89	ug/l	95
39) 1,2-Dichloropropane	9.08	63	26164	19.43	ug/l	96
40) Dibromomethane	9.17	93	16222	19.50	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	35054	19.43	ug/l	99
42) Vinyl Acetate	5.84	43	342038	98.34	ug/l	100
43) Ethyl Acetate	6.88	43	33005	21.10	ug/l	94
44) Isopropyl Acetate	8.12	43	59228	19.50	ug/l	# 90
45) 1,4-Dioxane	9.16	88	8002	667.53	ug/l	# 94
46) Methyl methacrylate	9.16	41	28156	19.71	ug/l	97
47) n-amyl Acetate	12.04	43	50392	18.60	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	40659	19.09	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	41887	18.60	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	22392	19.47	ug/l	94
51) Ethyl methacrylate	10.40	69	38029	19.19	ug/l	93
52) 1,3-Dichloropropane	10.68	76	42249	20.12	ug/l	98
53) Dibromochloromethane	10.87	129	23844	18.92	ug/l	100
54) 1,2-Dibromoethane	10.98	107	22763	19.18	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	88443	100.86	ug/l	98
56) Bromoform	12.10	173	14568	18.38	ug/l	# 94
58) 4-Methyl-2-Pentanone	9.95	43	166532	101.63	ug/l	99
59) 2-Hexanone	10.72	43	118527	102.26	ug/l	99
61) Tetrachloroethene	10.60	164	21070	18.74	ug/l	97
62) Toluene	10.12	91	98345	18.86	ug/l	98
64) Chlorobenzene	11.40	112	59334	19.23	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	21179	18.78	ug/l	98
66) Ethyl Benzene	11.48	91	109854	18.36	ug/l	98
67) m/p-Xylenes	11.59	106	81595	36.93	ug/l	99
68) o-Xylene	11.92	106	39052	18.52	ug/l	99
69) Styrene	11.94	104	66494	18.32	ug/l	98
70) Isopropylbenzene	12.22	105	103193	18.06	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	31097	19.70	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	30726m	20.41	ug/l	
73) Bromobenzene	12.50	156	21657	18.25	ug/l	86
74) n-propylbenzene	12.56	91	122080	17.97	ug/l	99
75) 2-Chlorotoluene	12.65	91	71860	18.44	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	86916	18.13	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	11529	18.40	ug/l	97
78) 4-Chlorotoluene	12.75	91	74316	18.22	ug/l	99
79) tert-butylbenzene	12.97	119	71656	17.99	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	86440	18.06	ug/l	98
81) sec-Butylbenzene	13.15	105	98962	18.03	ug/l	100
82) p-Isopropyltoluene	13.26	119	88070	17.82	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	40001	18.13	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	40162	18.40	ug/l	98
85) n-Butylbenzene	13.59	91	80011	17.49	ug/l	97
86) Hexachloroethane	13.85	117	12223	17.74	ug/l	82
87) 1,2-Dichlorobenzene	13.63	146	38762	18.53	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	6890	20.48	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	21761	18.10	ug/l	99
90) Hexachlorobutadiene	14.99	225	8617	17.60	ug/l	97
91) Naphthalene	15.10	128	70752	18.71	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	21486	18.40	ug/l	98

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

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