

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057356.D
 Acq On : 16 Aug 2019 15:28
 Operator : JC/SP
 Sample : VN0817WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

Quant Time: Aug 16 15:51:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	136938	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	771409	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	663122	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	267974	30.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.47%
60) 4-Bromofluorobenzene	12.40	95	276730	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	912974	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	151051	21.354 ug/l	98
3) Chloromethane	2.05	50	169804	20.816 ug/l	100
4) Vinyl Chloride	2.18	62	167145	21.417 ug/l	99
5) Bromomethane	2.55	94	134943m	22.222 ug/l	
6) Chloroethane	2.70	64	114726	21.460 ug/l	98
7) Trichlorofluoromethane	3.02	101	265465	21.224 ug/l	97
8) Diethyl Ether	3.41	74	94415	20.511 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	157073m	21.089 ug/l	
10) 1,1-Dichloroethene	3.73	96	158207	21.418 ug/l	88
11) Methyl Iodide	3.95	142	251536	20.194 ug/l	99
12) Methyl Acetate	4.31	43	175828	21.173 ug/l	99
13) Acrolein	3.60	56	81889	104.278 ug/l	97
14) Acrylonitrile	4.97	53	366453	108.932 ug/l	99
15) Acetone	3.81	58	97053	97.904 ug/l	99
16) Carbon Disulfide	4.05	76	418724	20.738 ug/l	99
17) Allyl chloride	4.32	41	237329	21.998 ug/l	99
18) Methylene Chloride	4.54	84	179680	21.253 ug/l	92
19) trans-1,2-Dichloroethene	5.03	96	166735	20.845 ug/l	92
20) Diisopropyl ether	5.94	45	476839	21.225 ug/l	96
21) 1,1-Dichloroethane	5.84	63	295129	21.261 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	194578	20.993 ug/l	97
23) tert-Butyl Alcohol	4.76	59	127179	106.084 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	481953	21.262 ug/l #	81
25) Chloroform	7.36	83	306045	21.094 ug/l	99
26) Cyclohexane	7.65	56	241308	20.913 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	224923	20.044 ug/l	98
30) 2-Butanone	6.82	43	448374	101.276 ug/l	96
31) 2,2-Dichloropropane	6.81	77	237822	19.347 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	265766	20.034 ug/l	97
33) Carbon Tetrachloride	7.77	117	239903	20.310 ug/l	98
34) Benzene	8.03	78	700065	20.565 ug/l	99
35) Methacrylonitrile	7.18	41	120293m	20.226 ug/l	
36) 1,2-Dichloroethane	8.12	62	223594	20.210 ug/l	99
37) Trichloroethene	8.83	130	197604	19.942 ug/l	94
38) Methylcyclohexane	9.08	83	263126	19.800 ug/l	96
39) 1,2-Dichloropropane	9.11	63	179600	20.642 ug/l	100
40) Dibromomethane	9.20	93	120923	20.891 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	235171	20.051	ug/l	97
42) Vinyl Acetate	5.88	43	1909647	102.511	ug/l	97
43) Ethyl Acetate	6.92	43	185696	20.443	ug/l	98
44) Isopropyl Acetate	8.16	43	305918	19.142	ug/l	90
45) 1,4-Dioxane	9.19	88	63474	421.261	ug/l	98
46) Methyl methacrylate	9.19	41	143084	19.963	ug/l	89
47) n-amyl Acetate	12.07	43	221111	18.721	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	249460	19.660	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	283549	20.071	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	171546	20.308	ug/l	97
51) Ethyl methacrylate	10.43	69	245960	20.086	ug/l	91
52) 1,3-Dichloropropane	10.71	76	281874	20.432	ug/l	99
53) Dibromochloromethane	10.90	129	193529	19.913	ug/l	100
54) 1,2-Dibromoethane	11.00	107	184189	20.703	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	260436	91.364	ug/l	97
56) Bromoform	12.13	173	142864	19.467	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	923199	106.872	ug/l	95
59) 2-Hexanone	10.75	43	644153	103.966	ug/l	96
61) Tetrachloroethene	10.63	164	204135	21.003	ug/l	99
62) Toluene	10.15	91	760521	20.793	ug/l	100
64) Chlorobenzene	11.43	112	471071	20.502	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	187178	20.958	ug/l	98
66) Ethyl Benzene	11.51	91	803647	20.111	ug/l	98
67) m/p-Xylenes	11.62	106	601291	40.204	ug/l	97
68) o-Xylene	11.95	106	297923	20.376	ug/l	96
69) Styrene	11.96	104	451954	19.241	ug/l	100
70) Isopropylbenzene	12.25	105	796411	20.318	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	226313	21.077	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189690m	20.934	ug/l	
73) Bromobenzene	12.53	156	199693	19.225	ug/l	94
74) n-propylbenzene	12.59	91	762340	18.724	ug/l	98
75) 2-Chlorotoluene	12.68	91	497566	19.693	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	637036	19.540	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	66808	19.214	ug/l	89
78) 4-Chlorotoluene	12.77	91	431944	18.272	ug/l	97
79) tert-butylbenzene	12.99	119	578145	19.901	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	584171	18.997	ug/l	100
81) sec-Butylbenzene	13.17	105	675798	18.871	ug/l	99
82) p-Isopropyltoluene	13.29	119	573755	17.884	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	270890	17.804	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	246583	17.362	ug/l	99
85) n-Butylbenzene	13.62	91	423794	17.765	ug/l	99
86) Hexachloroethane	13.88	117	120483	19.512	ug/l	92
87) 1,2-Dichlorobenzene	13.66	146	268721	18.695	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26237	18.230	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	64817	12.744	ug/l	98
90) Hexachlorobutadiene	15.01	225	125930	19.403	ug/l	98
91) Naphthalene	15.13	128	123323	11.219	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	64173	13.308	ug/l	99

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

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