

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057354.D
 Acq On : 16 Aug 2019 14:40
 Operator : JC/SP
 Sample : VN0817WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Quant Time: Aug 16 15:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:33:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	148455	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	816897	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	714707	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	290789	30.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.40	95	304103	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	10.09	98	981395	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	162179	21.149	ug/l 100
3) Chloromethane	2.05	50	181386	20.511	ug/l 100
4) Vinyl Chloride	2.18	62	177626	20.994	ug/l 99
5) Bromomethane	2.54	94	141226m	21.453	ug/l
6) Chloroethane	2.70	64	119544	20.627	ug/l 100
7) Trichlorofluoromethane	3.02	101	275611	20.326	ug/l 99
8) Diethyl Ether	3.41	74	104662	20.974	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167239	20.712	ug/l 98
10) 1,1-Dichloroethene	3.73	96	163851	20.462	ug/l 93
11) Methyl Iodide	3.95	142	262325	19.427	ug/l 98
12) Methyl Acetate	4.32	43	191626	21.285	ug/l 98
13) Acrolein	3.60	56	83924	98.578	ug/l 100
14) Acrylonitrile	4.98	53	386020	105.846	ug/l 99
15) Acetone	3.81	58	108009	100.504	ug/l 95
16) Carbon Disulfide	4.05	76	439240	20.067	ug/l 98
17) Allyl chloride	4.32	41	231785	19.817	ug/l 95
18) Methylene Chloride	4.55	84	190367	20.771	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	178422	20.576	ug/l 95
20) Diisopropyl ether	5.94	45	510595	20.965	ug/l 97
21) 1,1-Dichloroethane	5.84	63	307208	20.414	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	204723	20.374	ug/l 97
23) tert-Butyl Alcohol	4.76	59	142287	109.478	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	509452	20.731	ug/l 98
25) Chloroform	7.36	83	320054	20.348	ug/l 99
26) Cyclohexane	7.65	56	262173	20.958	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	237481	19.985	ug/l 98
30) 2-Butanone	6.82	43	489391	104.385	ug/l 95
31) 2,2-Dichloropropane	6.82	77	252366	19.387	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	282656	20.121	ug/l 97
33) Carbon Tetrachloride	7.77	117	247983	19.825	ug/l 98
34) Benzene	8.04	78	731905	20.303	ug/l 98
35) Methacrylonitrile	7.18	41	136168m	21.259	ug/l
36) 1,2-Dichloroethane	8.12	62	236592	20.194	ug/l 99
37) Trichloroethene	8.83	130	206966	19.723	ug/l 96
38) Methylcyclohexane	9.08	83	281939	20.034	ug/l 97
39) 1,2-Dichloropropane	9.11	63	189566	20.574	ug/l 100
40) Dibromomethane	9.20	93	125655	20.500	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	251695	20.265	ug/l	99
42) Vinyl Acetate	5.88	43	2033074	103.060	ug/l	97
43) Ethyl Acetate	6.92	43	201421	20.940	ug/l	98
45) 1,4-Dioxane	9.19	88	68367	428.469	ug/l	96
46) Methyl methacrylate	9.19	41	156007	20.554	ug/l	93
47) n-amyl Acetate	12.07	43	243983	19.508	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	268401	19.975	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	299749	20.036	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	181593	20.300	ug/l	99
51) Ethyl methacrylate	10.43	69	262831	20.268	ug/l	93
52) 1,3-Dichloropropane	10.71	76	297782	20.383	ug/l	98
53) Dibromochloromethane	10.90	129	206164	20.032	ug/l	98
54) 1,2-Dibromoethane	11.00	107	194270	20.620	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	251430	83.293	ug/l	97
56) Bromoform	12.13	173	153513	19.754	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	988876	106.212	ug/l	96
59) 2-Hexanone	10.75	43	695341	104.128	ug/l	97
61) Tetrachloroethene	10.63	164	217883	20.800	ug/l	98
62) Toluene	10.15	91	805400	20.431	ug/l	99
64) Chlorobenzene	11.43	112	498803	20.142	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196062	20.368	ug/l	98
66) Ethyl Benzene	11.51	91	860331	19.976	ug/l	99
67) m/p-Xylenes	11.62	106	630973	39.144	ug/l	99
68) o-Xylene	11.95	106	316920	20.111	ug/l	96
69) Styrene	11.96	104	480025	18.961	ug/l	100
70) Isopropylbenzene	12.25	105	837572	19.826	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	243189	21.014	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	200740m	20.555	ug/l	
73) Bromobenzene	12.53	156	216226	19.314	ug/l	93
74) n-propylbenzene	12.59	91	814252	18.555	ug/l	97
75) 2-Chlorotoluene	12.67	91	528582	19.411	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	673905	19.179	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	74078	19.767	ug/l	89
78) 4-Chlorotoluene	12.77	91	458301	17.987	ug/l	97
79) tert-butylbenzene	12.99	119	619700	19.792	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	629685	18.999	ug/l	99
81) sec-Butylbenzene	13.17	105	716902	18.574	ug/l	98
82) p-Isopropyltoluene	13.29	119	623844	18.042	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	291767	17.792	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	274241	17.916	ug/l	99
85) n-Butylbenzene	13.62	91	470590	18.303	ug/l	97
86) Hexachloroethane	13.88	117	128612	19.325	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	292177	18.859	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28203	18.182	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	71979	13.131	ug/l	96
90) Hexachlorobutadiene	15.01	225	137738	19.690	ug/l	99
91) Naphthalene	15.13	128	138213	11.666	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	71551	13.767	ug/l	98

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

