

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057352.D
 Acq On : 16 Aug 2019 13:30
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Quant Time: Aug 16 13:51:13 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	7.18	128	145727	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	797401	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	682272	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	272381	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	12.40	95	294445	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	10.09	98	937350	30.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	156357	20.771 ug/l	97
3) Chloromethane	2.05	50	180157	20.753 ug/l	97
4) Vinyl Chloride	2.18	62	175208	21.096 ug/l	95
5) Bromomethane	2.55	94	151538m	23.450 ug/l	
6) Chloroethane	2.69	64	114960	20.207 ug/l	100
7) Trichlorofluoromethane	3.02	101	268266	20.155 ug/l	98
8) Diethyl Ether	3.40	74	99799	20.373 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161641	20.394 ug/l	96
10) 1,1-Dichloroethene	3.73	96	162100	20.622 ug/l	91
11) Methyl Iodide	3.95	142	237874	17.946 ug/l	98
12) Methyl Acetate	4.31	43	175734	19.885 ug/l	99
13) Acrolein	3.60	56	80750	96.626 ug/l	99
14) Acrylonitrile	4.97	53	361707	101.036 ug/l	99
15) Acetone	3.80	58	105731	100.226 ug/l	96
16) Carbon Disulfide	4.05	76	448354	20.866 ug/l	100
17) Allyl chloride	4.32	41	221927	19.329 ug/l	96
18) Methylene Chloride	4.55	84	182917	20.331 ug/l #	90
19) trans-1,2-Dichloroethene	5.03	96	172014	20.208 ug/l	97
20) Diisopropyl ether	5.94	45	485331	20.300 ug/l #	96
21) 1,1-Dichloroethane	5.84	63	296959	20.102 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	198703	20.145 ug/l	97
23) tert-Butyl Alcohol	4.76	59	126517	99.167 ug/l	100
24) Methyl tert-Butyl Ether	5.03	73	484781	20.097 ug/l	99
25) Chloroform	7.36	83	312864	20.263 ug/l	99
26) Cyclohexane	7.64	56	249384	20.309 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	230528	19.874 ug/l	98
30) 2-Butanone	6.82	43	452567	98.891 ug/l	95
31) 2,2-Dichloropropane	6.81	77	251262	19.774 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	270873	19.754 ug/l	97
33) Carbon Tetrachloride	7.77	117	242343	19.848 ug/l	97
34) Benzene	8.03	78	706109	20.066 ug/l	98
35) Methacrylonitrile	7.18	41	125489m	20.071 ug/l	
36) 1,2-Dichloroethane	8.12	62	222214	19.431 ug/l	99
37) Trichloroethene	8.83	130	209508	20.454 ug/l	92
38) Methylcyclohexane	9.08	83	274996	20.018 ug/l	97
39) 1,2-Dichloropropane	9.11	63	178434	19.839 ug/l	98
40) Dibromomethane	9.20	93	119068	19.900 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240246	19.816	ug/l	98
42) Vinyl Acetate	5.88	43	1945297	101.021	ug/l	97
43) Ethyl Acetate	6.92	43	179411	19.108	ug/l	99
44) Isopropyl Acetate	8.16	43	322151	19.467	ug/l	90
45) 1,4-Dioxane	9.19	88	62239	399.601	ug/l	98
46) Methyl methacrylate	9.19	41	150694	20.339	ug/l	96
47) n-amyl Acetate	12.07	43	254393	20.837	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	256685	19.570	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	290150	19.869	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	174117	19.940	ug/l	97
51) Ethyl methacrylate	10.43	69	249619	19.720	ug/l	93
52) 1,3-Dichloropropane	10.70	76	282813	19.832	ug/l	98
53) Dibromochloromethane	10.90	129	198441	19.753	ug/l	99
54) 1,2-Dibromoethane	11.00	107	184782	20.093	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	272459	92.466	ug/l	97
56) Bromoform	12.13	173	145060	19.122	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	917660	103.249	ug/l	96
59) 2-Hexanone	10.75	43	658438	103.289	ug/l	95
61) Tetrachloroethene	10.63	164	213190	21.319	ug/l	98
62) Toluene	10.15	91	778963	20.700	ug/l	99
64) Chlorobenzene	11.43	112	484273	20.485	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	187749	20.432	ug/l	99
66) Ethyl Benzene	11.51	91	843663	20.520	ug/l	100
67) m/p-Xylenes	11.62	106	631444	41.035	ug/l	98
68) o-Xylene	11.95	106	307476	20.440	ug/l	98
69) Styrene	11.96	104	487430	20.169	ug/l	99
70) Isopropylbenzene	12.25	105	825076	20.458	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	229829	20.803	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189019m	20.274	ug/l	
73) Bromobenzene	12.53	156	215322	20.148	ug/l	93
74) n-propylbenzene	12.59	91	832519	19.873	ug/l	98
75) 2-Chlorotoluene	12.67	91	532329	20.477	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	686620	20.470	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	71443	19.970	ug/l	90
78) 4-Chlorotoluene	12.77	91	489623	20.130	ug/l	99
79) tert-butylbenzene	12.99	119	608919	20.372	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	651784	20.601	ug/l	100
81) sec-Butylbenzene	13.17	105	731311	19.848	ug/l	99
82) p-Isopropyltoluene	13.29	119	644257	19.518	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	334434	21.363	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	314900	21.550	ug/l	99
85) n-Butylbenzene	13.62	91	516118	21.028	ug/l	99
86) Hexachloroethane	13.88	117	125258	19.716	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	350050	23.669	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29104	19.655	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	141323	27.007	ug/l	94
90) Hexachlorobutadiene	15.01	225	161751	24.222	ug/l	99
91) Naphthalene	15.13	128	233254	20.624	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	134019	27.012	ug/l	99

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

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