

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\
 Data File : VN062551.D
 Acq On : 16 Jul 2020 16:34
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 16 18:40:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	39473	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	218015	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	200103	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	101937	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.37	95	101469	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	10.06	98	284260	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	41871	17.972	ug/l 98
3) Chloromethane	2.04	50	58868	17.499	ug/l 96
4) Vinyl Chloride	2.16	62	53327	18.134	ug/l 100
5) Bromomethane	2.53	94	25453	17.447	ug/l 96
6) Chloroethane	2.67	64	26109	18.035	ug/l 98
7) Trichlorofluoromethane	2.99	101	66736	19.363	ug/l 99
8) Diethyl Ether	3.38	74	29968	18.087	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	40921	18.366	ug/l 99
10) 1,1-Dichloroethene	3.70	96	41557	18.282	ug/l 100
11) Methyl Iodide	3.91	142	51577	18.529	ug/l 99
12) Methyl Acetate	4.28	43	57833	18.971	ug/l 97
13) Acrolein	3.57	56	44968	98.728	ug/l 97
14) Acrylonitrile	4.93	53	129500	91.339	ug/l 97
15) Acetone	3.78	58	34707	79.744	ug/l 96
16) Carbon Disulfide	4.01	76	128174	17.303	ug/l 99
17) Allyl chloride	4.28	41	89456	18.505	ug/l 98
18) Methylene Chloride	4.50	84	52721	18.850	ug/l 95
19) trans-1,2-Dichloroethene	5.00	96	45120	17.935	ug/l 93
20) Diisopropyl ether	5.91	45	183474	18.462	ug/l 100
21) 1,1-Dichloroethane	5.80	63	98397	18.728	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	51094	18.009	ug/l 99
23) tert-Butyl Alcohol	4.73	59	42956	90.532	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	149132	17.796	ug/l 99
25) Chloroform	7.33	83	89806	18.639	ug/l 100
26) Cyclohexane	7.61	56	81533	17.606	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	68656	18.566	ug/l 99
30) 2-Butanone	6.79	43	179455	91.501	ug/l # 93
31) 2,2-Dichloropropane	6.78	77	76784	18.414	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	75537	19.005	ug/l 98
33) Carbon Tetrachloride	7.73	117	63876	18.539	ug/l 98
34) Benzene	8.00	78	205829	18.735	ug/l 98
35) Methacrylonitrile	7.12	41	28238	16.391	ug/l 98
36) 1,2-Dichloroethane	8.09	62	75320	19.074	ug/l 99
37) Trichloroethene	8.80	130	45417	18.404	ug/l 96
38) Methylcyclohexane	9.05	83	70949	17.102	ug/l 97
39) 1,2-Dichloropropane	9.09	63	58588	18.718	ug/l 100
40) Dibromomethane	9.18	93	34390	19.065	ug/l 98

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41) Bromodichloromethane	9.37	83	71700	18.740	ug/l	99
42) Vinyl Acetate	5.84	43	748008	91.782	ug/l	100
43) Ethyl Acetate	6.88	43	69151	17.538	ug/l #	92
44) Isopropyl Acetate	8.13	43	120041	18.145	ug/l	98
45) 1,4-Dioxane	9.17	88	18382	406.192	ug/l	98
46) Methyl methacrylate	9.17	41	55938	17.823	ug/l	97
47) n-amyl Acetate	12.05	43	98106	17.592	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	80359	18.007	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	87429	18.149	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	47417	18.753	ug/l	97
51) Ethyl methacrylate	10.40	69	73868	17.352	ug/l	96
52) 1,3-Dichloropropane	10.68	76	85862	18.503	ug/l	99
53) Dibromochloromethane	10.87	129	50986	18.508	ug/l	99
54) 1,2-Dibromoethane	10.98	107	47301	18.277	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	145660	107.128	ug/l	100
56) Bromoform	12.10	173	34919	18.558	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	372273	95.488	ug/l	100
59) 2-Hexanone	10.72	43	265550	92.873	ug/l	100
61) Tetrachloroethene	10.60	164	38517	18.796	ug/l	90
62) Toluene	10.12	91	209750	18.477	ug/l	99
64) Chlorobenzene	11.41	112	122955	18.433	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	45351	18.367	ug/l	97
66) Ethyl Benzene	11.48	91	227625	18.107	ug/l	99
67) m/p-Xylenes	11.60	106	167610	36.734	ug/l	97
68) o-Xylene	11.92	106	79252	18.099	ug/l	99
69) Styrene	11.94	104	132575	17.839	ug/l	99
70) Isopropylbenzene	12.22	105	216114	18.386	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	72646	19.123	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	64006m	17.321	ug/l	
73) Bromobenzene	12.50	156	50101	18.404	ug/l	99
74) n-propylbenzene	12.57	91	248801	17.807	ug/l	99
75) 2-Chlorotoluene	12.65	91	152489	18.126	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	178775	17.850	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	23076	16.697	ug/l	95
78) 4-Chlorotoluene	12.75	91	153046	17.829	ug/l	99
79) tert-butylbenzene	12.97	119	148220	17.872	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	172010	17.462	ug/l	99
81) sec-Butylbenzene	13.15	105	197839	17.763	ug/l	99
82) p-Isopropyltoluene	13.27	119	168379	17.131	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	83310	17.622	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	80567	17.270	ug/l	99
85) n-Butylbenzene	13.59	91	133361	15.818	ug/l	99
86) Hexachloroethane	13.85	117	35302	18.613	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	82859	18.226	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	13286	18.518	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	35473	15.673	ug/l	98
90) Hexachlorobutadiene	14.98	225	23441	18.674	ug/l	98
91) Naphthalene	15.10	128	90184	14.697	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	36947	16.197	ug/l	99

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

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