

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\
 Data File : VN062542.D
 Acq On : 16 Jul 2020 12:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 16 18:43:11 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	42119	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	230279	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	213004	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107533	29.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.07%
60) 4-Bromofluorobenzene	12.38	95	109990	30.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.13%
63) Toluene-d8	10.06	98	305474	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	56256	22.629 ug/l	98
3) Chloromethane	2.04	50	75083	20.917 ug/l	98
4) Vinyl Chloride	2.16	62	67516	21.517 ug/l	97
5) Bromomethane	2.53	94	35885	23.053 ug/l	98
6) Chloroethane	2.67	64	33758	21.854 ug/l	97
7) Trichlorofluoromethane	2.98	101	79681	21.667 ug/l	98
8) Diethyl Ether	3.37	74	37476	21.198 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53659	22.570 ug/l	97
10) 1,1-Dichloroethene	3.70	96	51924	21.408 ug/l	97
11) Methyl Iodide	3.91	142	65976	22.212 ug/l	94
12) Methyl Acetate	4.27	43	67523	20.758 ug/l	100
13) Acrolein	3.57	56	50467	103.841 ug/l	99
14) Acrylonitrile	4.93	53	157254	103.946 ug/l	99
15) Acetone	3.77	58	51481	110.853 ug/l	100
16) Carbon Disulfide	4.01	76	164585	20.823 ug/l	99
17) Allyl chloride	4.27	41	112644	21.838 ug/l	98
18) Methylene Chloride	4.50	84	64631	21.657 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	57310	21.349 ug/l	96
20) Diisopropyl ether	5.90	45	231470	21.829 ug/l	99
21) 1,1-Dichloroethane	5.79	63	121910	21.746 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	65618	21.675 ug/l	99
23) tert-Butyl Alcohol	4.73	59	54640	107.923 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	188636	21.096 ug/l	98
25) Chloroform	7.33	83	114484	22.268 ug/l	99
26) Cyclohexane	7.61	56	105178	21.286 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	85712	21.943 ug/l	99
30) 2-Butanone	6.78	43	227160	109.657 ug/l	99
31) 2,2-Dichloropropane	6.77	77	99379	22.564 ug/l	# 72
32) 1,1,1-Trichloroethane	7.53	97	94392	22.484 ug/l	99
33) Carbon Tetrachloride	7.73	117	81941	22.516 ug/l	99
34) Benzene	8.00	78	260360	22.436 ug/l	99
35) Methacrylonitrile	7.12	41	34456	18.935 ug/l	98
36) 1,2-Dichloroethane	8.08	62	94354	22.622 ug/l	100
37) Trichloroethene	8.80	130	58303	22.368 ug/l	99
38) Methylcyclohexane	9.05	83	94704	21.613 ug/l	98
39) 1,2-Dichloropropane	9.08	63	73734	22.303 ug/l	98
40) Dibromomethane	9.17	93	43392	22.774 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	90998	22.517	ug/l	99
42) Vinyl Acetate	5.84	43	948941	110.236	ug/l	100
43) Ethyl Acetate	6.88	43	91151	21.886	ug/l	100
44) Isopropyl Acetate	8.12	43	149685	21.421	ug/l	99
45) 1,4-Dioxane	9.17	88	21616	452.216	ug/l	97
46) Methyl methacrylate	9.17	41	73674	22.224	ug/l	98
47) n-amyl Acetate	12.05	43	123656	20.993	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	102246	21.692	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	110948	21.805	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	60674	22.718	ug/l	97
51) Ethyl methacrylate	10.40	69	94366	20.986	ug/l	99
52) 1,3-Dichloropropane	10.68	76	109603	22.361	ug/l	100
53) Dibromochloromethane	10.87	129	65691	22.576	ug/l	99
54) 1,2-Dibromoethane	10.98	107	59228	21.667	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	72609	50.557	ug/l	100
56) Bromoform	12.10	173	44120	22.199	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	452030	108.923	ug/l	100
59) 2-Hexanone	10.72	43	335058	110.086	ug/l	100
61) Tetrachloroethene	10.60	164	50395	23.103	ug/l	99
62) Toluene	10.12	91	271528	22.470	ug/l	100
64) Chlorobenzene	11.41	112	159154	22.414	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	58729	22.345	ug/l	98
66) Ethyl Benzene	11.48	91	293628	21.943	ug/l	99
67) m/p-Xylenes	11.59	106	215117	44.291	ug/l	99
68) o-Xylene	11.92	106	100708	21.606	ug/l	99
69) Styrene	11.94	104	174788	22.094	ug/l	99
70) Isopropylbenzene	12.22	105	278193	22.233	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	90387	22.351	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	78921m	20.063	ug/l	
73) Bromobenzene	12.50	156	65201	22.500	ug/l	96
74) n-propylbenzene	12.56	91	329421	22.149	ug/l	100
75) 2-Chlorotoluene	12.65	91	197866	22.096	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	237862	22.311	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	29597	20.118	ug/l	95
78) 4-Chlorotoluene	12.75	91	200601	21.954	ug/l	99
79) tert-butylbenzene	12.97	119	192405	21.794	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	229978	21.933	ug/l	99
81) sec-Butylbenzene	13.15	105	262703	22.158	ug/l	100
82) p-Isopropyltoluene	13.26	119	229098	21.897	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	112733	22.401	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	111317	22.416	ug/l	97
85) n-Butylbenzene	13.59	91	190721	21.251	ug/l	99
86) Hexachloroethane	13.85	117	44567	22.075	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	109478	22.623	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16432	21.516	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	49837	20.686	ug/l	98
90) Hexachlorobutadiene	14.98	225	31301	23.425	ug/l	97
91) Naphthalene	15.10	128	126546	19.373	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	51947	21.394	ug/l	98

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

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