

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062557.D
 Acq On : 20 Jul 2020 13:17
 Operator : JC/MD
 Sample : VN0720WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Quant Time: Jul 21 01:18:49 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	36082	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	191526	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	177886	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	93287	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.38	95	89194	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	10.06	98	255318	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	42871	20.130 ug/l	98
3) Chloromethane	2.04	50	56227	18.285 ug/l	100
4) Vinyl Chloride	2.16	62	50253	18.695 ug/l	97
5) Bromomethane	2.54	94	24133	18.097 ug/l	93
6) Chloroethane	2.67	64	24023	18.154 ug/l	100
7) Trichlorofluoromethane	2.98	101	62405	19.808 ug/l	96
8) Diethyl Ether	3.37	74	30491	20.132 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41144	20.201 ug/l	98
10) 1,1-Dichloroethene	3.70	96	39902	19.204 ug/l	97
11) Methyl Iodide	3.91	142	44318	17.417 ug/l	95
12) Methyl Acetate	4.28	43	57896	20.777 ug/l	99
13) Acrolein	3.57	56	35962	86.376 ug/l	95
14) Acrylonitrile	4.93	53	131892	101.768 ug/l	98
15) Acetone	3.77	58	35005	87.987 ug/l	88
16) Carbon Disulfide	4.01	76	125676	18.561 ug/l	100
17) Allyl chloride	4.27	41	88278	19.977 ug/l	96
18) Methylene Chloride	4.50	84	52720	20.621 ug/l	99
19) trans-1,2-Dichloroethene	4.99	96	44419	19.315 ug/l	95
20) Diisopropyl ether	5.90	45	185549	20.426 ug/l	98
21) 1,1-Dichloroethane	5.80	63	95531	19.891 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	50958	19.649 ug/l	97
23) tert-Butyl Alcohol	4.73	59	46325	106.808 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	157979	20.623 ug/l	99
25) Chloroform	7.33	83	90392	20.523 ug/l	99
26) Cyclohexane	7.61	56	78892	18.637 ug/l	# 98
29) 1,1-Dichloropropene	7.75	75	67440	20.759 ug/l	99
30) 2-Butanone	6.79	43	179087	103.943 ug/l	99
31) 2,2-Dichloropropane	6.78	77	74516	20.342 ug/l	# 70
32) 1,1,1-Trichloroethane	7.53	97	75693	21.678 ug/l	97
33) Carbon Tetrachloride	7.73	117	64520	21.316 ug/l	99
34) Benzene	8.00	78	203723	21.107 ug/l	99
35) Methacrylonitrile	7.13	41	33225	21.953 ug/l	96
36) 1,2-Dichloroethane	8.08	62	78681	22.681 ug/l	99
37) Trichloroethene	8.80	130	46483	21.441 ug/l	97
38) Methylcyclohexane	9.05	83	71503	19.620 ug/l	98
39) 1,2-Dichloropropane	9.08	63	59009	21.460 ug/l	98
40) Dibromomethane	9.17	93	35178	22.199 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	73321	21.814	ug/l	99
42) Vinyl Acetate	5.84	43	759000	106.012	ug/l	100
43) Ethyl Acetate	6.88	43	75914	21.916	ug/l	99
44) Isopropyl Acetate	8.13	43	123049	21.172	ug/l	97
45) 1,4-Dioxane	9.17	88	16909	425.320	ug/l	94
46) Methyl methacrylate	9.17	41	57436	20.831	ug/l	97
47) n-amyl Acetate	12.05	43	99292	20.268	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	83906	21.403	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	91488	21.618	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	49704	22.376	ug/l	97
51) Ethyl methacrylate	10.40	69	77175	20.636	ug/l	99
52) 1,3-Dichloropropane	10.68	76	89317	21.909	ug/l	100
53) Dibromochloromethane	10.87	129	53242	22.000	ug/l	99
54) 1,2-Dibromoethane	10.98	107	49384	21.721	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	113410	94.945	ug/l	99
56) Bromoform	12.10	173	35837	21.680	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	378723	109.275	ug/l	100
59) 2-Hexanone	10.72	43	267472	105.229	ug/l	100
61) Tetrachloroethene	10.60	164	38201	20.970	ug/l	90
62) Toluene	10.12	91	213985	21.204	ug/l	99
64) Chlorobenzene	11.41	112	124467	20.990	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	48100	21.914	ug/l	95
66) Ethyl Benzene	11.48	91	226804	20.295	ug/l	99
67) m/p-Xylenes	11.59	106	166463	41.039	ug/l	100
68) o-Xylene	11.92	106	80187	20.600	ug/l	99
69) Styrene	11.94	104	136041	20.591	ug/l	100
70) Isopropylbenzene	12.22	105	213881	20.468	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	73271	21.696	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	69854m	21.264	ug/l	
73) Bromobenzene	12.50	156	50685	20.944	ug/l	98
74) n-propylbenzene	12.56	91	254410	20.482	ug/l	100
75) 2-Chlorotoluene	12.65	91	155858	20.841	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	180096	20.227	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	25114	20.441	ug/l	97
78) 4-Chlorotoluene	12.75	91	160115	20.982	ug/l	99
79) tert-butylbenzene	12.97	119	146503	19.871	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	177423	20.261	ug/l	100
81) sec-Butylbenzene	13.15	105	201759	20.377	ug/l	100
82) p-Isopropyltoluene	13.26	119	175657	20.104	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	89025	21.182	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	85458	20.606	ug/l	98
85) n-Butylbenzene	13.59	91	147252	19.646	ug/l	99
86) Hexachloroethane	13.85	117	33923	20.120	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	86553	21.416	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	14137	22.165	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	41435	20.594	ug/l	99
90) Hexachlorobutadiene	14.98	225	25566	22.911	ug/l	98
91) Naphthalene	15.10	128	110272	20.215	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	43412	21.409	ug/l	97

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

