

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061740.D
 Acq On : 10 Jun 2020 16:28
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:44 PM

Quant Time: Jun 11 03:23:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	59196	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	307627	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	286825	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107791	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.38	95	125937	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	10.06	98	368233	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46731	19.099	ug/l 97
3) Chloromethane	2.03	50	60296	20.612	ug/l 99
4) Vinyl Chloride	2.16	62	82174	20.130	ug/l 98
5) Bromomethane	2.54	94	55713	20.826	ug/l 92
6) Chloroethane	2.67	64	55234	19.355	ug/l 98
7) Trichlorofluoromethane	2.98	101	112194	18.992	ug/l 99
8) Diethyl Ether	3.37	74	36455	19.783	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57339	18.978	ug/l 100
10) 1,1-Dichloroethene	3.70	96	56298	18.912	ug/l 97
11) Methyl Iodide	3.91	142	76770	18.924	ug/l 99
12) Methyl Acetate	4.28	43	45584	19.244	ug/l 95
13) Acrolein	3.57	56	23236	73.309	ug/l 91
14) Acrylonitrile	4.93	53	116549	95.335	ug/l # 91
15) Acetone	3.78	58	33203	90.823	ug/l 97
16) Carbon Disulfide	4.01	76	136076	22.071	ug/l 100
17) Allyl chloride	4.28	41	65398	19.286	ug/l 99
18) Methylene Chloride	4.50	84	64074	18.757	ug/l 92
19) trans-1,2-Dichloroethene	4.99	96	62884	18.997	ug/l 99
20) Diisopropyl ether	5.90	45	154595	19.083	ug/l 98
21) 1,1-Dichloroethane	5.80	63	102227	18.979	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	72997	18.801	ug/l 98
23) tert-Butyl Alcohol	4.73	59	38957	82.403	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	180148	18.984	ug/l # 76
25) Chloroform	7.33	83	115722	18.965	ug/l 96
26) Cyclohexane	7.61	56	80625	19.602	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	81886	19.809	ug/l 99
30) 2-Butanone	6.79	43	133787	93.431	ug/l 99
31) 2,2-Dichloropropane	6.78	77	92935	19.203	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	102706	19.459	ug/l 99
33) Carbon Tetrachloride	7.73	117	85005	19.780	ug/l 96
34) Benzene	8.00	78	254595	19.757	ug/l 99
35) Methacrylonitrile	7.13	41	25701	19.326	ug/l # 76
36) 1,2-Dichloroethane	8.09	62	83911	20.149	ug/l 97
37) Trichloroethene	8.80	130	76759	19.097	ug/l 100
38) Methylcyclohexane	9.05	83	90528	19.566	ug/l 99
39) 1,2-Dichloropropane	9.09	63	60316	19.542	ug/l 99
40) Dibromomethane	9.18	93	45890	19.823	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	90316	19.232	ug/l	98
42) Vinyl Acetate	5.84	43	597184	101.101	ug/l	100
43) Ethyl Acetate	6.88	43	57889	19.908	ug/l	98
44) Isopropyl Acetate	8.13	43	103133	19.603	ug/l	96
45) 1,4-Dioxane	9.17	88	18147	337.502	ug/l	99
46) Methyl methacrylate	9.17	41	43850	19.212	ug/l	99
47) n-amyl Acetate	12.05	43	80275	18.007	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	92656	18.919	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	100149	18.706	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	66326	19.717	ug/l	97
51) Ethyl methacrylate	10.40	69	84286	19.284	ug/l	97
52) 1,3-Dichloropropane	10.68	76	103994	19.410	ug/l	100
53) Dibromochloromethane	10.87	129	74561	18.810	ug/l	99
54) 1,2-Dibromoethane	10.98	107	69439	19.703	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	158065	95.147	ug/l	100
56) Bromoform	12.10	173	50294	18.171	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	297982	100.453	ug/l	99
59) 2-Hexanone	10.72	43	204509	95.073	ug/l	100
61) Tetrachloroethene	10.60	164	77403	17.672	ug/l	94
62) Toluene	10.13	91	284753	19.774	ug/l	98
64) Chlorobenzene	11.41	112	181632	19.601	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	67949	19.237	ug/l	97
66) Ethyl Benzene	11.48	91	304664	19.326	ug/l	100
67) m/p-Xylenes	11.60	106	238972	38.109	ug/l	98
68) o-Xylene	11.92	106	114848	19.391	ug/l	99
69) Styrene	11.94	104	188482	18.786	ug/l	99
70) Isopropylbenzene	12.22	105	302124	19.313	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	83189	20.019	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	71232m	18.183	ug/l	
73) Bromobenzene	12.50	156	79040	18.702	ug/l	99
74) n-propylbenzene	12.57	91	339390	19.193	ug/l	99
75) 2-Chlorotoluene	12.65	91	200237	19.213	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	248219	19.033	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	23463	16.603	ug/l	97
78) 4-Chlorotoluene	12.75	91	206752	19.039	ug/l	99
79) tert-butylbenzene	12.97	119	213537	18.934	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	249373	19.009	ug/l	100
81) sec-Butylbenzene	13.15	105	276595	18.979	ug/l	99
82) p-Isopropyltoluene	13.26	119	254157	18.785	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	140124	18.577	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	136426	18.408	ug/l	99
85) n-Butylbenzene	13.59	91	204470	18.297	ug/l	99
86) Hexachloroethane	13.85	117	38325	20.806	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	136526	19.053	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15217	19.713	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	75296	17.920	ug/l	99
90) Hexachlorobutadiene	14.99	225	31332	17.199	ug/l	97
91) Naphthalene	15.10	128	212354	18.212	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	75867	18.433	ug/l	99

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

