

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066145.D
 Acq On : 5 Mar 2021 19:37
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/8/2021 10:53:50 AM

Quant Time: Mar 06 02:44:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.171	128	37040	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.557	114	218316	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	199819	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	96722	30.08	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.27%			
60) 4-Bromofluorobenzene	12.373	95	102124	29.51	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.37%			
63) Toluene-d8	10.061	98	273496	30.37	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.875	85	36814	20.41	ug/l	92
3) Chloromethane	2.075	50	45958	18.86	ug/l	100
4) Vinyl Chloride	2.206	62	48196	19.11	ug/l	98
5) Bromomethane	2.583	94	24135	13.64	ug/l	93
6) Chloroethane	2.718	64	29074	19.52	ug/l	94
7) Trichlorofluoromethane	3.030	101	78048	20.24	ug/l	99
8) Diethyl Ether	3.415	74	26085	19.88	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.759	101	35352	21.86	ug/l	93
10) 1,1-Dichloroethene	3.740	96	37272	20.27	ug/l	90
11) Methyl Iodide	3.952	142	28342	9.96	ug/l	90
12) Methyl Acetate	4.322	43	38898	19.66	ug/l	95
13) Acrolein	3.608	56	30164	87.42	ug/l	96
14) Acrylonitrile	4.968	53	91059	95.07	ug/l	99
15) Acetone	3.820	58	22013	78.23	ug/l #	59
16) Carbon Disulfide	4.049	76	107100	19.83	ug/l	97
17) Allyl chloride	4.312	41	63954	19.24	ug/l	93
18) Methylene Chloride	4.541	84	44300	19.48	ug/l	97
19) trans-1,2-Dichloroethene	5.026	96	41623	19.72	ug/l	94
20) Diisopropyl ether	5.930	45	127678	19.78	ug/l	97
21) 1,1-Dichloroethane	5.827	63	80125	19.74	ug/l	98
22) cis-1,2-Dichloroethene	6.801	96	48129	18.85	ug/l	92
23) tert-Butyl Alcohol	4.788	59	34129	79.91	ug/l #	100
24) Methyl tert-Butyl Ether	5.029	73	145164	19.40	ug/l	93
25) Chloroform	7.344	83	86034	19.60	ug/l	98
26) Cyclohexane	7.627	56	64405	20.80	ug/l #	94
29) 1,1-Dichloropropene	7.766	75	60847	18.99	ug/l	98
30) 2-Butanone	6.808	43	105951	81.24	ug/l	98
31) 2,2-Dichloropropane	6.791	77	76346	18.17	ug/l	96
32) 1,1,1-Trichloroethane	7.544	97	80166	19.29	ug/l	98
33) Carbon Tetrachloride	7.746	117	69000	19.38	ug/l	94
34) Benzene	8.013	78	183683	18.92	ug/l	99
35) Methacrylonitrile	7.142	41	23863	16.32	ug/l	95
36) 1,2-Dichloroethane	8.097	62	72818	18.34	ug/l	97
37) Trichloroethene	8.807	130	49007	18.61	ug/l	91
38) Methylcyclohexane	9.052	83	67899	19.75	ug/l	99
39) 1,2-Dichloropropane	9.090	63	46605	18.88	ug/l	98
40) Dibromomethane	9.177	93	30651	18.07	ug/l	85
41) Bromodichloromethane	9.370	83	70299	18.52	ug/l	98
42) Vinyl Acetate	5.872	43	539214	93.04	ug/l	100

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43) Ethyl Acetate	6.898	43	46653	17.08	ug/l	95
44) Isopropyl Acetate	8.132	43	90384	18.23	ug/l #	83
45) 1,4-Dioxane	9.184	88	13399	310.19	ug/l	95
46) Methyl methacrylate	9.168	41	41468	17.79	ug/l	94
47) n-amyl Acetate	12.042	43	52362	14.71	ug/l	99
48) t-1,3-Dichloropropene	10.351	75	78545	17.94	ug/l	96
49) cis-1,3-Dichloropropene	9.811	75	81037	17.89	ug/l #	90
50) 1,1,2-Trichloroethane	10.534	97	43812	18.50	ug/l	98
51) Ethyl methacrylate	10.399	69	63973	17.89	ug/l	96
52) 1,3-Dichloropropane	10.676	76	75922	18.32	ug/l	100
53) Dibromochloromethane	10.872	129	51885	17.93	ug/l	99
54) 1,2-Dibromoethane	10.978	107	44273	17.71	ug/l	99
55) 2-Chloroethyl vinyl ether	9.666	63	112992	89.65	ug/l	99
56) Bromoform	12.100	173	33390	17.43	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	244481	92.42	ug/l	98
59) 2-Hexanone	10.724	43	152706	82.97	ug/l	99
61) Tetrachloroethene	10.602	164	48224	18.75	ug/l #	88
62) Toluene	10.126	91	194984	18.89	ug/l	97
64) Chlorobenzene	11.402	112	123888	18.50	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	48607	18.85	ug/l	98
66) Ethyl Benzene	11.483	91	219331	18.52	ug/l	99
67) m/p-Xylenes	11.592	106	168063	36.60	ug/l	93
68) o-Xylene	11.920	106	83866	18.60	ug/l	95
69) Styrene	11.936	104	132082	17.90	ug/l	94
70) Isopropylbenzene	12.219	105	219489	18.65	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	59498	18.56	ug/l	97
72) 1,2,3-Trichloropropane	12.524	75	55718m	17.17	ug/l	
73) Bromobenzene	12.495	156	50832	17.94	ug/l	81
74) n-propylbenzene	12.563	91	232899	17.89	ug/l	99
75) 2-Chlorotoluene	12.646	91	151451	18.21	ug/l	94
76) 1,3,5-Trimethylbenzene	12.704	105	191756	18.15	ug/l	96
77) t-1,4-Dichloro-2-butene	12.274	75	17478	15.43	ug/l	95
78) 4-Chlorotoluene	12.743	91	148493	17.53	ug/l	96
79) tert-butylbenzene	12.965	119	163740	18.60	ug/l	93
80) 1,2,4-Trimethylbenzene	13.010	105	190045	18.29	ug/l	95
81) sec-Butylbenzene	13.142	105	203198	18.52	ug/l	98
82) p-Isopropyltoluene	13.261	119	190731	18.28	ug/l	96
83) 1,3-Dichlorobenzene	13.254	146	87529	17.84	ug/l	96
84) 1,4-Dichlorobenzene	13.335	146	86814	18.32	ug/l	95
85) n-Butylbenzene	13.585	91	144259	17.59	ug/l	98
86) Hexachloroethane	13.843	117	27657	17.03	ug/l	78
87) 1,2-Dichlorobenzene	13.624	146	90165	18.57	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.241	75	13179	17.28	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.878	180	45141	17.21	ug/l	96
90) Hexachlorobutadiene	14.974	225	20711	17.39	ug/l	97
91) Naphthalene	15.100	128	135198	17.62	ug/l	99
92) 1,2,3-Trichlorobenzene	15.280	180	48591	18.17	ug/l	98

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

