

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065501.D
 Acq On : 14 Jan 2021 11:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda

1/15/2021 1:24:15 PM

Quant Time: Jan 14 16:01:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	41564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	215363	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	199351	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	77408	29.81	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.37%	
60) 4-Bromofluorobenzene	12.376	95	88090	29.18	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.27%	
63) Toluene-d8	10.058	98	263534	30.20	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.67%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	38219	18.48	ug/l	96
3) Chloromethane	2.055	50	46047	17.98	ug/l	98
4) Vinyl Chloride	2.181	62	50677	17.97	ug/l	99
5) Bromomethane	2.541	94	37862	18.82	ug/l	99
6) Chloroethane	2.685	64	32995	17.99	ug/l	97
7) Trichlorofluoromethane	3.000	101	68387	18.20	ug/l	99
8) Diethyl Ether	3.386	74	28366	18.55	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.721	101	42180	18.90	ug/l	99
10) 1,1-Dichloroethene	3.701	96	42325	18.51	ug/l	99
11) Methyl Iodide	3.914	142	64142	17.78	ug/l	99
12) Methyl Acetate	4.293	43	41534	18.55	ug/l	97
13) Acrolein	3.576	56	37277	98.49	ug/l	99
14) Acrylonitrile	4.946	53	93884	92.57	ug/l	99
15) Acetone	3.788	58	32453	104.35	ug/l	90
16) Carbon Disulfide	4.010	76	99222	17.85	ug/l	97
17) Allyl chloride	4.280	41	57991	17.90	ug/l	97
18) Methylene Chloride	4.508	84	46501	18.75	ug/l	96
19) trans-1,2-Dichloroethene	4.991	96	42220	18.35	ug/l	99
20) Diisopropyl ether	5.914	45	125209	18.45	ug/l	98
21) 1,1-Dichloroethane	5.801	63	74618	18.40	ug/l	99
22) cis-1,2-Dichloroethene	6.782	96	48621	18.25	ug/l	97
23) tert-Butyl Alcohol	4.775	59	29652	94.60	ug/l #	100
24) Methyl tert-Butyl Ether	5.007	73	123966	18.50	ug/l	98
25) Chloroform	7.331	83	75732	18.10	ug/l	99
26) Cyclohexane	7.611	56	60422	17.75	ug/l #	100
29) 1,1-Dichloropropene	7.753	75	55970	18.28	ug/l	99
30) 2-Butanone	6.801	43	118948	96.37	ug/l	99
31) 2,2-Dichloropropane	6.775	77	59280	18.75	ug/l	98
32) 1,1,1-Trichloroethane	7.528	97	63839	18.45	ug/l	99
33) Carbon Tetrachloride	7.733	117	54964	18.05	ug/l	98
34) Benzene	8.003	78	173906	18.47	ug/l	96
35) Methacrylonitrile	7.132	41	23455	18.30	ug/l	98
36) 1,2-Dichloroethane	8.087	62	58471	18.82	ug/l	98
37) Trichloroethene	8.801	130	52586	18.75	ug/l	99
38) Methylcyclohexane	9.045	83	66133	18.62	ug/l	99
39) 1,2-Dichloropropane	9.084	63	45170	18.48	ug/l	99
40) Dibromomethane	9.174	93	30998	18.93	ug/l	100
41) Bromodichloromethane	9.370	83	57852	18.24	ug/l	98
42) Vinyl Acetate	5.852	43	498844	93.21	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.891	43	47830	18.13	ug/l #	92
44) Isopropyl Acetate	8.132	43	79901	18.14	ug/l	98
45) 1,4-Dioxane	9.167	88	13100	418.21	ug/l	96
46) Methyl methacrylate	9.167	41	38492	17.71	ug/l	99
47) n-amyl Acetate	12.045	43	64148	16.84	ug/l	98
48) t-1,3-Dichloropropene	10.351	75	63972	18.18	ug/l	95
49) cis-1,3-Dichloropropene	9.807	75	71339	18.44	ug/l	99
50) 1,1,2-Trichloroethane	10.534	97	45615	19.03	ug/l	99
51) Ethyl methacrylate	10.399	69	59873	17.83	ug/l	96
52) 1,3-Dichloropropane	10.675	76	74219	18.68	ug/l	99
53) Dibromochloromethane	10.872	129	48439	18.25	ug/l	99
54) 1,2-Dibromoethane	10.978	107	47540	18.54	ug/l	100
55) 2-Chloroethyl vinyl ether	9.663	63	141068	95.94	ug/l	99
56) Bromoform	12.100	173	35731	17.29	ug/l	98
58) 4-Methyl-2-Pentanone	9.952	43	243488	92.03	ug/l	99
59) 2-Hexanone	10.724	43	175389	91.62	ug/l	100
61) Tetrachloroethene	10.601	164	62144	19.51	ug/l	98
62) Toluene	10.122	91	193343	18.58	ug/l	100
64) Chlorobenzene	11.405	112	125873	18.60	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	46785	18.40	ug/l	99
66) Ethyl Benzene	11.482	91	207095	18.21	ug/l	98
67) m/p-Xylenes	11.592	106	163780	36.80	ug/l	96
68) o-Xylene	11.920	106	78306	18.21	ug/l	98
69) Styrene	11.936	104	130877	18.22	ug/l	99
70) Isopropylbenzene	12.222	105	204179	18.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.476	83	56857	17.78	ug/l	99
72) 1,2,3-Trichloropropane	12.527	75	54323m	17.90	ug/l	
73) Bromobenzene	12.498	156	57812	17.97	ug/l	99
74) n-propylbenzene	12.563	91	228799	18.16	ug/l	99
75) 2-Chlorotoluene	12.646	91	136809	17.99	ug/l	100
76) 1,3,5-Trimethylbenzene	12.707	105	177075	18.38	ug/l	99
77) t-1,4-Dichloro-2-butene	12.273	75	17987	16.86	ug/l	95
78) 4-Chlorotoluene	12.746	91	137850	17.93	ug/l	99
79) tert-butylbenzene	12.968	119	148646	17.95	ug/l	99
80) 1,2,4-Trimethylbenzene	13.013	105	174769	18.23	ug/l	99
81) sec-Butylbenzene	13.145	105	193575	18.09	ug/l	99
82) p-Isopropyltoluene	13.264	119	182841	18.29	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	94071	17.65	ug/l	100
84) 1,4-Dichlorobenzene	13.338	146	91013	17.50	ug/l	98
85) n-Butylbenzene	13.588	91	139473	17.64	ug/l	100
86) Hexachloroethane	13.849	117	27393	16.64	ug/l	98
87) 1,2-Dichlorobenzene	13.627	146	94929	18.08	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.244	75	9756	17.08	ug/l	97
89) 1,2,4-Trichlorobenzene	14.881	180	44367	19.31	ug/l	96
90) Hexachlorobutadiene	14.981	225	34196	18.63	ug/l	98
91) Naphthalene	15.103	128	104256	19.52	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	44289	16.63	ug/l	98

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

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