

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066430.D
 Acq On : 30 Mar 2021 19:17
 Operator : JC/MD
 Sample : M1458-07 2.5 PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 1:37:23 PM

Quant Time: Mar 31 03:38:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 31 03:37:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.104	128	64018	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	331404	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	289837	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	144075	29.28	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.60%		
60) 4-Bromofluorobenzene	12.348	95	114720	25.36	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.53%		
63) Toluene-d8	10.028	98	411352	30.24	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	10123	2.83	ug/l	91
3) Chloromethane	2.017	50	14498	3.22	ug/l	96
4) Vinyl Chloride	2.145	62	14578	3.08	ug/l	92
5) Bromomethane	2.516	94	10566	3.16	ug/l	95
6) Chloroethane	2.652	64	9261	3.06	ug/l	94
7) Trichlorofluoromethane	2.963	101	18941	2.78	ug/l	96
8) Diethyl Ether	3.336	74	5734m	2.49	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.682	101	8909m	2.67	ug/l	
10) 1,1-Dichloroethene	3.666	96	9064	2.74	ug/l #	75
11) Methyl Iodide	3.873	142	11818	2.49	ug/l	99
12) Methyl Acetate	4.237	43	13081	2.55	ug/l	96
13) Acrolein	3.537	56	6130m	17.24	ug/l	
14) Acrylonitrile	4.889	53	24888m	11.76	ug/l	
15) Acetone	3.736	58	7504m	12.18	ug/l	
16) Carbon Disulfide	3.975	76	25163	2.75	ug/l	99
17) Allyl chloride	4.229	41	16207m	2.71	ug/l	
18) Methylene Chloride	4.455	84	13075	3.31	ug/l	94
19) trans-1,2-Dichloroethene	4.937	96	9547	2.63	ug/l	90
20) Diisopropyl ether	5.852	45	32514m	2.48	ug/l	
21) 1,1-Dichloroethane	5.753	63	18806	2.65	ug/l	97
22) cis-1,2-Dichloroethene	6.734	96	11803m	2.71	ug/l	
23) tert-Butyl Alcohol	4.675	59	10122m	11.65	ug/l	
24) Methyl tert-Butyl Ether	4.943	73	30172	2.39	ug/l #	64
25) Chloroform	7.287	83	18052	2.52	ug/l	98
26) Cyclohexane	7.574	56	14979	2.38	ug/l #	60
29) 1,1-Dichloropropene	7.713	75	12909	2.60	ug/l	87
30) 2-Butanone	6.742	43	35030	12.06	ug/l #	78
31) 2,2-Dichloropropane	6.726	77	15531m	2.53	ug/l	
32) 1,1,1-Trichloroethane	7.488	97	16191	2.70	ug/l #	60
33) Carbon Tetrachloride	7.694	117	12776	2.52	ug/l	98
34) Benzene	7.963	78	42364	2.80	ug/l #	22
35) Methacrylonitrile	7.086	41	6832m	2.78	ug/l	
36) 1,2-Dichloroethane	8.048	62	15333m	2.77	ug/l	
37) Trichloroethene	8.767	130	10628	2.70	ug/l	89
38) Methylcyclohexane	9.014	83	15284	2.49	ug/l #	68
39) 1,2-Dichloropropane	9.052	63	11092	2.71	ug/l	93
40) Dibromomethane	9.145	93	6984	2.66	ug/l	97
41) Bromodichloromethane	9.339	83	13881	2.50	ug/l	100
42) Vinyl Acetate	5.798	43	130801	11.95	ug/l	99

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43) Ethyl Acetate	6.836	43	14880m	2.66	ug/l	
44) Isopropyl Acetate	8.091	43	24800	2.48	ug/l #	100
45) 1,4-Dioxane	9.132	88	2672	41.93	ug/l #	64
46) Methyl methacrylate	9.135	41	9452	2.03	ug/l	95
48) t-1,3-Dichloropropene	10.325	75	13979	2.31	ug/l	93
49) cis-1,3-Dichloropropene	9.778	75	15509	2.39	ug/l	92
50) 1,1,2-Trichloroethane	10.502	97	9995	2.66	ug/l	96
51) Ethyl methacrylate	10.374	69	12088	2.05	ug/l	93
52) 1,3-Dichloropropane	10.647	76	16574	2.64	ug/l	96
53) Dibromochloromethane	10.840	129	9687	2.29	ug/l	93
54) 1,2-Dibromoethane	10.948	107	9748	2.52	ug/l	100
55) 2-Chloroethyl vinyl ether	9.634	63	6444	7.36	ug/l	95
56) Bromoform	12.071	173	5997	1.93	ug/l #	89
58) 4-Methyl-2-Pentanone	9.921	43	65799	11.33	ug/l	99
59) 2-Hexanone	10.698	43	34082	8.53	ug/l	94
61) Tetrachloroethene	10.572	164	10831	2.71	ug/l	96
62) Toluene	10.092	91	43313	2.70	ug/l	97
64) Chlorobenzene	11.374	112	24276	2.57	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.452	131	9472	2.56	ug/l	93
66) Ethyl Benzene	11.455	91	41236	2.39	ug/l	98
67) m/p-Xylenes	11.562	106	28802	4.48	ug/l	94
68) o-Xylene	11.892	106	14984m	2.36	ug/l	
69) Styrene	11.913	104	20233	1.99	ug/l	97
70) Isopropylbenzene	12.195	105	37251	2.23	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.450	83	13872	2.60	ug/l	98
72) 1,2,3-Trichloropropane	12.503	75	9478	1.84	ug/l #	1
73) Bromobenzene	12.471	156	9684	2.36	ug/l	97
74) n-propylbenzene	12.538	91	38299	2.08	ug/l	97
75) 2-Chlorotoluene	12.619	91	24997	2.24	ug/l	96
76) 1,3,5-Trimethylbenzene	12.680	105	28494	2.08	ug/l	97
77) t-1,4-Dichloro-2-butene	12.262	75	2795m	1.67	ug/l	
78) 4-Chlorotoluene	12.723	91	20447	1.87	ug/l	98
79) tert-butylbenzene	12.938	119	25824	2.16	ug/l	96
80) 1,2,4-Trimethylbenzene	12.986	105	26655	2.00	ug/l	95
81) sec-Butylbenzene	13.117	105	30889	2.03	ug/l	100
82) p-Isopropyltoluene	13.235	119	24991	1.86	ug/l	96
83) 1,3-Dichlorobenzene	13.233	146	14098	2.09	ug/l	94
84) 1,4-Dichlorobenzene	13.316	146	17067m	2.60	ug/l	
85) n-Butylbenzene	13.568	91	18803	1.72	ug/l	97
86) Hexachloroethane	13.817	117	5641	2.28	ug/l	85
87) 1,2-Dichlorobenzene	13.603	146	15472m	2.32	ug/l	
88) 1,2-Dibromo-3-Chloropr...	14.217	75	2683m	2.46	ug/l	
89) 1,2,4-Trichlorobenzene	14.858	180	7968	1.87	ug/l	93
90) Hexachlorobutadiene	14.947	225	5582	2.42	ug/l	97
91) Naphthalene	15.078	128	21774	1.68	ug/l	98
92) 1,2,3-Trichlorobenzene	15.255	180	8754	2.10	ug/l	56

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

