

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068401.D
 Acq On : 3 Sep 2021 11:49
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/7/2021 4:38:56 PM

Quant Time: Sep 03 13:03:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:01:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	118094	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	616475	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	571774	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	209268	23.752	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	79.167%#
60) 4-Bromofluorobenzene	12.733	95	244966	27.216	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.733%
63) Toluene-d8	10.443	98	757213	28.995	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.633%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.078	85	292535	46.928	ug/l	97
3) Chloromethane	2.309	50	261406	36.104	ug/l	98
4) Vinyl Chloride	2.451	62	398142	35.877	ug/l	95
5) Bromomethane	2.842	94	340915	36.133	ug/l	94
6) Chloroethane	3.014	64	278453	34.602	ug/l	90
7) Trichlorofluoromethane	3.379	101	509830	25.853	ug/l	97
8) Diethyl Ether	3.829	74	160341	40.133	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.218	101	290410	45.035	ug/l	83
10) 1,1-Dichloroethene	4.191	96	271747	45.039	ug/l	# 78
11) Methyl Iodide	4.433	142	458099	56.098	ug/l	86
12) Methyl Acetate	4.859	43	268257	34.987	ug/l	# 81
13) Acrolein	4.049	56	121279	140.152	ug/l	100
14) Acrylonitrile	5.559	53	573033	174.834	ug/l	98
15) Acetone	4.291	58	167449	181.234	ug/l	72
16) Carbon Disulfide	4.540	76	716633	44.756	ug/l	98
17) Allyl chloride	4.848	41	351923	36.267	ug/l	90
18) Methylene Chloride	5.103	84	294409	38.891	ug/l	# 82
19) trans-1,2-Dichloroethene	5.605	96	308778	44.218	ug/l	# 76
20) Diisopropyl ether	6.498	45	776106	34.333	ug/l	# 91
21) 1,1-Dichloroethane	6.393	63	496627	38.826	ug/l	94
22) cis-1,2-Dichloroethene	7.329	96	365823	43.698	ug/l	# 78
23) tert-Butyl Alcohol	5.371	59	210020	164.622	ug/l	# 100
24) Methyl tert-Butyl Ether	5.621	73	914613	39.416	ug/l	# 87
25) Chloroform	7.823	83	583498	40.856	ug/l	98
26) Cyclohexane	8.099	56	448480	39.864	ug/l	# 76
29) 1,1-Dichloropropene	8.225	75	424654	43.838	ug/l	91
30) 2-Butanone	7.335	43	748794	171.625	ug/l	# 87
31) 2,2-Dichloropropane	7.329	77	468822	41.985	ug/l	92
32) 1,1,1-Trichloroethane	8.018	97	554341	45.785	ug/l	92
33) Carbon Tetrachloride	8.209	117	520282	49.628	ug/l	94
34) Benzene	8.464	78	1261202	43.452	ug/l	# 90
35) Methacrylonitrile	7.638	41	146030	32.797	ug/l	84
36) 1,2-Dichloroethane	8.533	62	412041	39.603	ug/l	# 92
37) Trichloroethene	9.220	130	397398	50.269	ug/l	# 74
38) Methylcyclohexane	9.464	83	563562	50.270	ug/l	84
39) 1,2-Dichloropropane	9.494	63	299247	41.447	ug/l	99
40) Dibromomethane	9.579	93	234123	43.427	ug/l	72
41) Bromodichloromethane	9.764	83	458843	43.942	ug/l	# 99
42) Vinyl Acetate	6.436	43	2892388m	165.186	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	310131	34.105	ug/l #	69
44) Isopropyl Acetate	8.563	43	544427	34.738	ug/l #	89
45) 1,4-Dioxane	9.571	88	102338	827.472	ug/l	86
46) Methyl methacrylate	9.561	41	224539	32.687	ug/l	82
47) n-amyl Acetate	12.387	43	374397	29.329	ug/l #	90
48) t-1,3-Dichloropropene	10.719	75	453236	40.301	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	503377	42.459	ug/l #	83
50) 1,1,2-Trichloroethane	10.899	97	332128	43.651	ug/l	95
51) Ethyl methacrylate	10.762	69	437298	38.057	ug/l	80
52) 1,3-Dichloropropane	11.046	76	508565	41.195	ug/l	99
53) Dibromochloromethane	11.240	129	414611	49.651	ug/l	100
54) 1,2-Dibromoethane	11.347	107	352426	44.594	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	191297	87.788	ug/l #	91
56) Bromoform	12.460	173	324493	54.163	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	1589590	169.749	ug/l #	87
59) 2-Hexanone	11.087	43	1080718	163.607	ug/l #	87
61) Tetrachloroethene	10.979	164	424381	55.422	ug/l	88
62) Toluene	10.507	91	1495404	44.279	ug/l	100
64) Chlorobenzene	11.773	112	957500	46.413	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	393515	49.903	ug/l	98
66) Ethyl Benzene	11.846	91	1621941	43.561	ug/l	91
67) m/p-Xylenes	11.956	106	1334178	92.207	ug/l	78
68) o-Xylene	12.283	106	653526	45.872	ug/l	76
69) Styrene	12.296	104	1033308	44.672	ug/l #	90
70) Isopropylbenzene	12.581	105	1677896	45.680	ug/l	93
71) 1,1,2,2-Tetrachloroethane	12.827	83	425901	41.565	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	351180m	40.813	ug/l	
73) Bromobenzene	12.862	156	463709	52.752	ug/l	49
74) n-propylbenzene	12.921	91	1821127	44.093	ug/l	87
75) 2-Chlorotoluene	13.010	91	1066685	43.028	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	1394232	45.786	ug/l	90
77) t-1,4-Dichloro-2-butene	12.626	75	107075	36.842	ug/l	86
78) 4-Chlorotoluene	13.106	91	1037154	42.512	ug/l	81
79) tert-butylbenzene	13.326	119	1284498	49.127	ug/l	80
80) 1,2,4-Trimethylbenzene	13.369	105	1361567m	45.579	ug/l	
81) sec-Butylbenzene	13.503	105	1713948	47.749	ug/l	89
82) p-Isopropyltoluene	13.616	119	1495928	49.424	ug/l	89
83) 1,3-Dichlorobenzene	13.616	146	828605	50.964	ug/l	90
84) 1,4-Dichlorobenzene	13.696	146	792947	50.627	ug/l	91
85) n-Butylbenzene	13.946	91	1080968	44.593	ug/l	94
86) Hexachloroethane	14.211	117	249695	48.041	ug/l	61
87) 1,2-Dichlorobenzene	13.989	146	787904	51.284	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.603	75	72893	39.840	ug/l #	21
89) 1,2,4-Trichlorobenzene	15.265	180	420883m	57.597	ug/l	
90) Hexachlorobutadiene	15.370	225	258582	70.924	ug/l	98
91) Naphthalene	15.507	128	845254	44.744	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	389399	56.197	ug/l	94

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

