

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064283.D
 Acq On : 23 Oct 2020 11:33
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:49 PM

Quant Time: Oct 23 12:02:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51377	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	285411	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	261092	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	125507	29.31	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.38	95	139576	30.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.10%
63) Toluene-d8	10.06	98	348828	29.59	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	489440	145.205	ug/l 97
3) Chloromethane	2.04	50	517874	149.640	ug/l 96
4) Vinyl Chloride	2.16	62	516575	151.978	ug/l 98
5) Bromomethane	2.51	94	322968	154.348	ug/l 98
6) Chloroethane	2.66	64	298965	151.095	ug/l 93
7) Trichlorofluoromethane	2.98	101	863528	157.945	ug/l 100
8) Diethyl Ether	3.37	74	281407	152.093	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	422746	146.363	ug/l # 86
10) 1,1-Dichloroethene	3.70	96	415582	146.569	ug/l 96
11) Methyl Iodide	3.91	142	631971	155.996	ug/l 99
12) Methyl Acetate	4.27	43	498751	165.294	ug/l 96
13) Acrolein	3.57	56	202734	620.455	ug/l 94
14) Acrylonitrile	4.93	53	975635	804.880	ug/l 99
15) Acetone	3.77	58	278287	809.741	ug/l 97
16) Carbon Disulfide	4.01	76	1216824	151.118	ug/l 95
17) Allyl chloride	4.27	41	855587	163.650	ug/l 91
18) Methylene Chloride	4.50	84	485233	148.978	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	467556	152.745	ug/l 93
20) Diisopropyl ether	5.90	45	1530986	156.765	ug/l 93
21) 1,1-Dichloroethane	5.80	63	908810	152.844	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	537277	150.492	ug/l # 89
23) tert-Butyl Alcohol	4.73	59	436427	771.140	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1430372	152.399	ug/l 96
25) Chloroform	7.33	83	955276	153.631	ug/l 97
26) Cyclohexane	7.61	56	702107	149.207	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	719424	157.036	ug/l 98
30) 2-Butanone	6.78	43	1566603	807.568	ug/l 99
31) 2,2-Dichloropropane	6.78	77	866321	148.042	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	907976	154.736	ug/l 95
33) Carbon Tetrachloride	7.73	117	823774	154.981	ug/l 95
34) Benzene	8.00	78	1990858	155.788	ug/l # 87
35) Methacrylonitrile	7.12	41	293155	142.068	ug/l 99
36) 1,2-Dichloroethane	8.08	62	813609	154.340	ug/l 97
37) Trichloroethene	8.80	130	542320	154.347	ug/l 96
38) Methylcyclohexane	9.05	83	658001	150.671	ug/l 96
39) 1,2-Dichloropropane	9.08	63	532071	155.079	ug/l 97
40) Dibromomethane	9.17	93	363778	151.429	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	807051	156.908	ug/l	92
42) Vinyl Acetate	5.84	43	7091979	786.190	ug/l	99
43) Ethyl Acetate	6.88	43	668457	162.181	ug/l #	94
44) Isopropyl Acetate	8.13	43	1203091	152.261	ug/l	100
45) 1,4-Dioxane	9.17	88	147335	3156.834	ug/l	92
46) Methyl methacrylate	9.16	41	603564	159.143	ug/l	93
47) n-amyl Acetate	12.05	43	1116020	159.178	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	915108	157.369	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	934881	156.149	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	491991	154.620	ug/l #	96
51) Ethyl methacrylate	10.40	69	782630	157.541	ug/l	87
52) 1,3-Dichloropropane	10.68	76	861390	156.583	ug/l	99
53) Dibromochloromethane	10.87	129	630077	159.525	ug/l	92
54) 1,2-Dibromoethane	10.98	107	526733	156.408	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1992760	879.233	ug/l	99
56) Bromoform	12.10	173	451048	163.034	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	3348108	777.357	ug/l	98
59) 2-Hexanone	10.72	43	2496168	780.207	ug/l	99
61) Tetrachloroethene	10.60	164	521310	152.325	ug/l	94
62) Toluene	10.13	91	2223573	154.131	ug/l	100
64) Chlorobenzene	11.41	112	1388578	154.865	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	546733	154.704	ug/l	98
66) Ethyl Benzene	11.48	91	2545531	153.947	ug/l	98
67) m/p-Xylenes	11.60	106	1904396	309.156	ug/l	96
68) o-Xylene	11.92	106	922951	154.466	ug/l	93
69) Styrene	11.94	104	1590789	157.877	ug/l	97
70) Isopropylbenzene	12.22	105	2439400	154.895	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	659428	152.436	ug/l	97
72) 1,1,2,3-Trichloropropane	12.53	75	663741m	145.639	ug/l	
73) Bromobenzene	12.50	156	600331	158.678	ug/l	97
74) n-propylbenzene	12.57	91	2803822	155.457	ug/l	98
75) 2-Chlorotoluene	12.65	91	1718146	154.335	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	2086838	155.459	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	281306	158.860	ug/l	94
78) 4-Chlorotoluene	12.75	91	1849039	158.162	ug/l	98
79) tert-butylbenzene	12.97	119	1698945	154.621	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	2129595	157.072	ug/l	100
81) sec-Butylbenzene	13.14	105	2197996	154.878	ug/l	97
82) p-Isopropyltoluene	13.26	119	2061278	156.526	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	1096151	160.466	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	1095896	161.242	ug/l	99
85) n-Butylbenzene	13.59	91	1815764	155.792	ug/l	98
86) Hexachloroethane	13.85	117	352819	156.533	ug/l	92
87) 1,2-Dichlorobenzene	13.63	146	1046806	157.084	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	166916	150.799	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	637594	162.247	ug/l	96
90) Hexachlorobutadiene	14.98	225	311439	153.115	ug/l	98
91) Naphthalene	15.10	128	1876782	157.301	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	614134	162.935	ug/l	99

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

