

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066312.D
 Acq On : 24 Mar 2021 15:16
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:12 AM

Quant Time: Mar 25 04:38:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 04:35:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.107	128	82221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	445781	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	409342	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	188786	26.98	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.93%#		
60) 4-Bromofluorobenzene	12.345	95	197821	28.31	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.37%		
63) Toluene-d8	10.028	98	572380	30.97	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.23%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	223273	52.96	ug/l	98
3) Chloromethane	2.017	50	278778	50.26	ug/l	100
4) Vinyl Chloride	2.146	62	299508	51.32	ug/l	100
5) Bromomethane	2.505	94	205376	50.82	ug/l	95
6) Chloroethane	2.647	64	192087	55.12	ug/l	97
7) Trichlorofluoromethane	2.958	101	429711	49.19	ug/l	99
8) Diethyl Ether	3.342	74	147117	49.28	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.682	101	209376	55.24	ug/l	99
10) 1,1-Dichloroethene	3.661	96	208704	50.15	ug/l	94
11) Methyl Iodide	3.873	142	318062	49.19	ug/l	99
12) Methyl Acetate	4.232	43	337831	68.37	ug/l	100
13) Acrolein	3.529	56	90940	129.54	ug/l	95
14) Acrylonitrile	4.878	53	688989	300.99	ug/l	98
15) Acetone	3.733	58	183455	281.66	ug/l	97
16) Carbon Disulfide	3.972	76	576345	47.40	ug/l	100
17) Allyl chloride	4.235	41	360073	46.92	ug/l	98
18) Methylene Chloride	4.457	84	249702	48.50	ug/l	97
19) trans-1,2-Dichloroethene	4.940	96	230029	48.70	ug/l	96
20) Diisopropyl ether	5.855	45	846492	56.11	ug/l	97
21) 1,1-Dichloroethane	5.747	63	451106	49.00	ug/l	99
22) cis-1,2-Dichloroethene	6.732	96	275260	47.77	ug/l	97
23) tert-Butyl Alcohol	4.680	59	281824	280.35	ug/l #	100
24) Methyl tert-Butyl Ether	4.940	73	805498	48.00	ug/l	100
25) Chloroform	7.287	83	460888	46.80	ug/l	95
26) Cyclohexane	7.574	56	401587	55.31	ug/l #	99
29) 1,1-Dichloropropene	7.713	75	336854	50.71	ug/l	99
30) 2-Butanone	6.734	43	987246	338.65	ug/l	100
31) 2,2-Dichloropropane	6.726	77	409340	47.62	ug/l	100
32) 1,1,1-Trichloroethane	7.488	97	402475	47.46	ug/l	100
33) Carbon Tetrachloride	7.697	117	345131	47.52	ug/l	96
34) Benzene	7.965	78	1028144	50.90	ug/l #	94
35) Methacrylonitrile	7.078	41	157906	51.30	ug/l	98
36) 1,2-Dichloroethane	8.049	62	374512	46.23	ug/l	100
37) Trichloroethene	8.767	130	265081	48.74	ug/l	100
38) Methylcyclohexane	9.014	83	414338	56.35	ug/l	100
39) 1,2-Dichloropropane	9.049	63	275655	52.92	ug/l	99
40) Dibromomethane	9.140	93	181677	51.80	ug/l	99
41) Bromodichloromethane	9.339	83	379125	48.49	ug/l	99
42) Vinyl Acetate	5.793	43	3747019	298.86	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066312.D
 Acq On : 24 Mar 2021 15:16
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:12 AM

Quant Time: Mar 25 04:38:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 04:35:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.834	43	393577	61.96	ug/l #	100
44) Isopropyl Acetate	8.089	43	685389	62.56	ug/l #	100
45) 1,4-Dioxane	9.132	88	88227	996.92	ug/l	98
46) Methyl methacrylate	9.135	41	325096	63.56	ug/l	97
47) n-amyl Acetate	12.018	43	418044	57.69	ug/l	99
48) t-1,3-Dichloropropene	10.320	75	422923	47.32	ug/l	99
49) cis-1,3-Dichloropropene	9.776	75	452830	48.82	ug/l	99
50) 1,1,2-Trichloroethane	10.503	97	260476	52.42	ug/l	99
51) Ethyl methacrylate	10.371	69	416080	54.67	ug/l	98
52) 1,3-Dichloropropane	10.647	76	431780	50.22	ug/l	100
53) Dibromochloromethane	10.843	129	296273	49.41	ug/l	100
54) 1,2-Dibromoethane	10.948	107	271991	52.12	ug/l	100
55) 2-Chloroethyl vinyl ether	9.631	63	312901	134.54	ug/l	99
56) Bromoform	12.071	173	223579	55.23	ug/l #	98
58) 4-Methyl-2-Pentanone	9.921	43	2085437	347.30	ug/l	99
59) 2-Hexanone	10.693	43	1491773	355.18	ug/l	100
61) Tetrachloroethene	10.572	164	275222	51.38	ug/l	98
62) Toluene	10.092	91	1129288	52.15	ug/l	99
64) Chlorobenzene	11.374	112	673529	48.57	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.452	131	262427	49.16	ug/l	99
66) Ethyl Benzene	11.455	91	1252043	50.90	ug/l	99
67) m/p-Xylenes	11.565	106	931905	98.46	ug/l	99
68) o-Xylene	11.892	106	456619	49.06	ug/l	99
69) Styrene	11.908	104	756718	49.55	ug/l	99
70) Isopropylbenzene	12.192	105	1209555	49.60	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.450	83	382937	55.87	ug/l	98
72) 1,2,3-Trichloropropane	12.498	75	374656m	54.79	ug/l	
73) Bromobenzene	12.468	156	300468	50.76	ug/l	97
74) n-propylbenzene	12.535	91	1389366	51.47	ug/l	100
75) 2-Chlorotoluene	12.619	91	818372	47.92	ug/l	98
76) 1,3,5-Trimethylbenzene	12.678	105	1014571	47.08	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	138035	57.41	ug/l	97
78) 4-Chlorotoluene	12.718	91	829041	47.83	ug/l	100
79) tert-butylbenzene	12.938	119	866266	48.17	ug/l	99
80) 1,2,4-Trimethylbenzene	12.983	105	991292	46.90	ug/l	100
81) sec-Butylbenzene	13.115	105	1153645	50.83	ug/l	100
82) p-Isopropyltoluene	13.233	119	1016326	47.83	ug/l	99
83) 1,3-Dichlorobenzene	13.227	146	512875	50.56	ug/l	99
84) 1,4-Dichlorobenzene	13.308	146	512768	52.00	ug/l	99
85) n-Butylbenzene	13.557	91	849718	50.00	ug/l	99
86) Hexachloroethane	13.815	117	186458	53.79	ug/l	99
87) 1,2-Dichlorobenzene	13.598	146	502805	50.27	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	82801	51.63	ug/l	98
89) 1,2,4-Trichlorobenzene	14.850	180	314346	55.39	ug/l	99
90) Hexachlorobutadiene	14.949	225	164360	63.04	ug/l	99
91) Naphthalene	15.070	128	941740	56.36	ug/l	100
92) 1,2,3-Trichlorobenzene	15.247	180	307564	53.94	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066312.D
 Acq On : 24 Mar 2021 15:16
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:12 AM

Quant Time: Mar 25 04:38:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 04:35:34 2021
 Response via : Initial Calibration

