

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068718.D
 Acq On : 28 Sep 2021 13:24
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:20 PM

Quant Time: Sep 28 13:41:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:42:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	90445	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	520346	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	662651	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.439	65	227488	29.491	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.300%		
60) 4-Bromofluorobenzene	12.733	95	299194	28.619	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.400%		
63) Toluene-d8	10.443	98	629967	19.816	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	66.067%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.072	85	71783	18.784	ug/l	94
3) Chloromethane	2.303	50	104027	16.908	ug/l	99
4) Vinyl Chloride	2.445	62	126566	16.872	ug/l	97
5) Bromomethane	2.869	94	105948	22.800	ug/l	99
6) Chloroethane	3.025	64	105681	21.456	ug/l	99
7) Trichlorofluoromethane	3.379	101	170739	17.505	ug/l	99
8) Diethyl Ether	3.829	74	61411	18.617	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.213	101	95037	17.986	ug/l	96
10) 1,1-Dichloroethene	4.189	96	89673	18.439	ug/l	92
11) Methyl Iodide	4.430	142	109172	18.087	ug/l	93
12) Methyl Acetate	4.856	43	182837	18.391	ug/l	95
13) Acrolein	4.046	56	37078	80.163	ug/l	97
14) Acrylonitrile	5.556	53	278741	94.649	ug/l	97
15) Acetone	4.290	58	80782m	90.548	ug/l	
16) Carbon Disulfide	4.537	76	250084	17.894	ug/l	97
17) Allyl chloride	4.848	41	169164	17.822	ug/l	85
18) Methylene Chloride	5.098	84	123586	20.758	ug/l	91
19) trans-1,2-Dichloroethene	5.602	96	99386	18.455	ug/l	95
20) Diisopropyl ether	6.495	45	381966	18.124	ug/l	97
21) 1,1-Dichloroethane	6.390	63	256537	23.254	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	163816	25.904	ug/l	90
23) tert-Butyl Alcohol	5.366	59	101609	101.612	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	349907	19.038	ug/l	92
25) Chloroform	7.820	83	223718	19.560	ug/l	99
26) Cyclohexane	8.102	56	187393	19.539	ug/l #	94
29) 1,1-Dichloropropene	8.225	75	160879	18.169	ug/l	98
30) 2-Butanone	7.334	43	589185	126.182	ug/l	93
31) 2,2-Dichloropropane	7.329	77	249106	24.731	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	195208	18.213	ug/l	98
33) Carbon Tetrachloride	8.209	117	179935	18.618	ug/l	98
34) Benzene	8.464	78	463696	17.545	ug/l	94
35) Methacrylonitrile	7.638	41	97818	20.797	ug/l	93
36) 1,2-Dichloroethane	8.531	62	203592	19.466	ug/l	96
37) Trichloroethene	9.223	130	126606	19.243	ug/l	94
38) Methylcyclohexane	9.461	83	256865	24.691	ug/l	96
39) 1,2-Dichloropropane	9.491	63	159816	23.113	ug/l	98
40) Dibromomethane	9.579	93	95595	20.386	ug/l	85
41) Bromodichloromethane	9.764	83	175542	18.195	ug/l	99
42) Vinyl Acetate	6.433	43	1676814	99.857	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068718.D
 Acq On : 28 Sep 2021 13:24
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:20 PM

Quant Time: Sep 28 13:41:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:42:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	263033m	28.439	ug/l	
44) Isopropyl Acetate	8.560	43	298648	18.818	ug/l	93
45) 1,4-Dioxane	9.569	88	43085	399.053	ug/l	97
46) Methyl methacrylate	9.561	41	168887	23.614	ug/l	83
47) n-amyl Acetate	12.390	43	324159	25.651	ug/l	92
48) t-1,3-Dichloropropene	10.719	75	185028	17.335	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	196876	18.195	ug/l #	81
50) 1,1,2-Trichloroethane	10.902	97	118466	18.497	ug/l	98
51) Ethyl methacrylate	10.767	69	216655	21.158	ug/l #	82
52) 1,3-Dichloropropane	11.046	76	200423	17.619	ug/l	100
53) Dibromochloromethane	11.239	129	143675	19.658	ug/l	98
54) 1,2-Dibromoethane	11.349	107	121717	17.907	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	246663	85.356	ug/l	98
56) Bromoform	12.460	173	133636	24.571	ug/l #	93
58) 4-Methyl-2-Pentanone	10.333	43	903488	67.788	ug/l	92
59) 2-Hexanone	11.087	43	663338	67.819	ug/l	92
61) Tetrachloroethene	10.979	164	114760	13.146	ug/l	95
62) Toluene	10.507	91	532973	12.953	ug/l	99
64) Chlorobenzene	11.773	112	478790	19.957	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	185147	19.972	ug/l	99
66) Ethyl Benzene	11.846	91	879477	20.188	ug/l	97
67) m/p-Xylenes	11.956	106	657882	39.868	ug/l	96
68) o-Xylene	12.283	106	309001	19.322	ug/l	93
69) Styrene	12.296	104	505527	19.451	ug/l	97
70) Isopropylbenzene	12.580	105	810745	18.849	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	237914	18.922	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	191550m	19.459	ug/l	
73) Bromobenzene	12.862	156	189081	19.006	ug/l	83
74) n-propylbenzene	12.924	91	921301	18.692	ug/l	96
75) 2-Chlorotoluene	13.010	91	545904	18.190	ug/l	94
76) 1,3,5-Trimethylbenzene	13.063	105	660441	18.356	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	75017	19.294	ug/l	87
78) 4-Chlorotoluene	13.106	91	530084	18.249	ug/l	96
79) tert-butylbenzene	13.326	119	563801	18.305	ug/l	95
80) 1,2,4-Trimethylbenzene	13.369	105	634421	18.581	ug/l	98
81) sec-Butylbenzene	13.503	105	790294	18.113	ug/l	98
82) p-Isopropyltoluene	13.618	119	642335	17.816	ug/l	97
83) 1,3-Dichlorobenzene	13.618	146	320286	17.782	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	303779	18.272	ug/l	97
85) n-Butylbenzene	13.946	91	505649	18.156	ug/l	97
86) Hexachloroethane	14.214	117	113674	17.060	ug/l	80
87) 1,2-Dichlorobenzene	13.991	146	299895	18.382	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.605	75	36495	15.909	ug/l #	74
89) 1,2,4-Trichlorobenzene	15.265	180	118576	13.731	ug/l	96
90) Hexachlorobutadiene	15.372	225	70569	13.921	ug/l	99
91) Naphthalene	15.509	128	306353	18.122	ug/l	98
92) 1,2,3-Trichlorobenzene	15.702	180	118481	14.801	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068718.D
 Acq On : 28 Sep 2021 13:24
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:20 PM

Quant Time: Sep 28 13:41:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:42:26 2021
 Response via : Initial Calibration

