

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063893.D
 Acq On : 6 Oct 2020 14:31
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100620

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:39 PM

Quant Time: Oct 06 16:49:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	60242	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	330977	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	317511	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	167327	30.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.10%
60) 4-Bromofluorobenzene	12.38	95	157033	28.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.40%
63) Toluene-d8	10.06	98	431030	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	84998	20.846	ug/l 98
3) Chloromethane	2.04	50	81009	19.199	ug/l 97
4) Vinyl Chloride	2.17	62	83859	19.978	ug/l 100
5) Bromomethane	2.55	94	52204	19.322	ug/l 99
6) Chloroethane	2.68	64	49573	18.825	ug/l 98
7) Trichlorofluoromethane	2.99	101	130990	19.768	ug/l 100
8) Diethyl Ether	3.37	74	40834	19.032	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	68834	19.992	ug/l 94
10) 1,1-Dichloroethene	3.70	96	62638	19.377	ug/l # 77
11) Methyl Iodide	3.91	142	67728	16.421	ug/l 86
12) Methyl Acetate	4.28	43	69668	17.511	ug/l 100
13) Acrolein	3.57	56	35942	92.814	ug/l 98
14) Acrylonitrile	4.93	53	141522	86.518	ug/l 96
15) Acetone	3.77	58	44425m	93.824	ug/l
16) Carbon Disulfide	4.01	76	186876	19.493	ug/l 99
17) Allyl chloride	4.28	41	115379	19.176	ug/l 83
18) Methylene Chloride	4.51	84	72981	18.835	ug/l 90
19) trans-1,2-Dichloroethene	4.99	96	70871	19.409	ug/l 95
20) Diisopropyl ether	5.90	45	232742	19.243	ug/l 94
21) 1,1-Dichloroethane	5.80	63	140794m	19.228	ug/l
22) cis-1,2-Dichloroethene	6.78	96	83406	20.121	ug/l 96
23) tert-Butyl Alcohol	4.72	59	58779	83.773	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	208698	19.244	ug/l 91
25) Chloroform	7.33	83	145690	18.976	ug/l 100
26) Cyclohexane	7.61	56	103599	19.643	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	105732	18.242	ug/l 99
30) 2-Butanone	6.78	43	238536	83.908	ug/l 97
31) 2,2-Dichloropropane	6.78	77	129352	18.674	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	136377	18.444	ug/l 97
33) Carbon Tetrachloride	7.73	117	117656	18.161	ug/l 96
34) Benzene	8.00	78	303399	18.411	ug/l 99
35) Methacrylonitrile	7.12	41	40197	14.877	ug/l 90
36) 1,2-Dichloroethane	8.08	62	127306	17.582	ug/l 95
37) Trichloroethene	8.80	130	78864	18.265	ug/l 97
38) Methylcyclohexane	9.05	83	92928	18.989	ug/l 99
39) 1,2-Dichloropropane	9.08	63	82322	18.385	ug/l 99
40) Dibromomethane	9.17	93	54893	17.553	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063893.D
 Acq On : 6 Oct 2020 14:31
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN100620

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:39 PM

Quant Time: Oct 06 16:49:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	117645	18.100	ug/l	97
42) Vinyl Acetate	5.84	43	1043176	88.416	ug/l	98
43) Ethyl Acetate	6.88	43	100581	16.521	ug/l	94
44) Isopropyl Acetate	8.12	43	171959	17.044	ug/l	94
45) 1,4-Dioxane	9.17	88	18447	285.178	ug/l #	90
46) Methyl methacrylate	9.16	41	83612	16.657	ug/l	82
47) n-amyl Acetate	12.05	43	142960	15.937	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	124868	17.778	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	133580	18.340	ug/l #	82
50) 1,1,2-Trichloroethane	10.53	97	75165	18.000	ug/l	97
51) Ethyl methacrylate	10.40	69	103969m	17.165	ug/l	
52) 1,3-Dichloropropane	10.68	76	127509	17.826	ug/l	96
53) Dibromochloromethane	10.87	129	85172	17.721	ug/l	99
54) 1,2-Dibromoethane	10.98	107	78077	17.833	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	187531	58.018	ug/l	99
56) Bromoform	12.10	173	55568	16.685	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	512816	83.221	ug/l	94
59) 2-Hexanone	10.72	43	375158	81.737	ug/l	94
61) Tetrachloroethene	10.60	164	76966	19.108	ug/l	92
62) Toluene	10.12	91	329811	18.086	ug/l	98
64) Chlorobenzene	11.41	112	203556	18.417	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	76360	17.665	ug/l	97
66) Ethyl Benzene	11.48	91	369380	18.446	ug/l	97
67) m/p-Xylenes	11.60	106	278035	37.337	ug/l	98
68) o-Xylene	11.92	106	127015	17.902	ug/l	93
69) Styrene	11.94	104	216292	17.867	ug/l	95
70) Isopropylbenzene	12.22	105	346797	18.395	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	100118	16.801	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	96137m	15.821	ug/l	
73) Bromobenzene	12.50	156	86996	18.207	ug/l	92
74) n-propylbenzene	12.57	91	406812	18.459	ug/l	99
75) 2-Chlorotoluene	12.65	91	253833	18.882	ug/l	94
76) 1,3,5-Trimethylbenzene	12.71	105	295211	18.569	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	34333	15.885	ug/l	87
78) 4-Chlorotoluene	12.75	91	263277	18.495	ug/l	95
79) tert-butylbenzene	12.97	119	232425	18.249	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	288619	18.110	ug/l	100
81) sec-Butylbenzene	13.14	105	305214	18.232	ug/l	97
82) p-Isopropyltoluene	13.26	119	273734	18.091	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	154488	18.179	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	152965	18.120	ug/l	96
85) n-Butylbenzene	13.59	91	244248	18.451	ug/l	99
86) Hexachloroethane	13.85	117	45541	17.464	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	148624	17.823	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	22417	15.743	ug/l	88
89) 1,2,4-Trichlorobenzene	14.88	180	76605	18.073	ug/l	96
90) Hexachlorobutadiene	14.98	225	43430	19.345	ug/l	97
91) Naphthalene	15.10	128	222550	17.163	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	75105	18.192	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063893.D
Acq On : 6 Oct 2020 14:31
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100620

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:39 PM

Quant Time: Oct 06 16:49:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063893.D
Acq On : 6 Oct 2020 14:31
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100620

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:39 PM

Quant Time: Oct 06 16:49:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

