

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061395.D
 Acq On : 14 May 2020 15:23
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:44 PM

Quant Time: May 14 15:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	21652	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	124863	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	115734	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	55765	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.37	95	61083	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	10.06	98	159093	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99616	89.446	ug/l 100
3) Chloromethane	2.03	50	169176	104.881	ug/l 100
4) Vinyl Chloride	2.16	62	226376	127.377	ug/l 98
5) Bromomethane	2.54	94	113464	109.570	ug/l 100
6) Chloroethane	2.67	64	148348	129.345	ug/l 97
7) Trichlorofluoromethane	2.98	101	287105	136.258	ug/l 100
8) Diethyl Ether	3.37	74	79517	104.202	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	107319	94.217	ug/l 93
10) 1,1-Dichloroethene	3.70	96	112456	99.741	ug/l 100
11) Methyl Iodide	3.91	142	126431	84.221	ug/l 99
12) Methyl Acetate	4.27	43	137214	79.362	ug/l 98
13) Acrolein	3.56	56	110223	533.071	ug/l 100
14) Acrylonitrile	4.93	53	324858	459.381	ug/l 98
15) Acetone	3.77	58	75421	371.663	ug/l 91
16) Carbon Disulfide	4.01	76	286782	85.915	ug/l 100
17) Allyl chloride	4.28	41	226813	100.120	ug/l 100
18) Methylene Chloride	4.50	84	135330	99.790	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	136427	109.819	ug/l 92
20) Diisopropyl ether	5.90	45	531578	111.917	ug/l 93
21) 1,1-Dichloroethane	5.80	63	280087	108.010	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	160474	107.866	ug/l 98
23) tert-Butyl Alcohol	4.73	59	97484	350.445	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	461069	107.385	ug/l 98
25) Chloroform	7.33	83	272128	106.180	ug/l 96
26) Cyclohexane	7.61	56	262670	112.848	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	216221	108.060	ug/l 99
30) 2-Butanone	6.78	43	452420	419.124	ug/l 100
31) 2,2-Dichloropropane	6.78	77	252374	106.770	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	244133	106.997	ug/l 99
33) Carbon Tetrachloride	7.73	117	195044	101.452	ug/l 97
34) Benzene	8.00	78	619800	106.096	ug/l # 92
35) Methacrylonitrile	7.13	41	89349	88.268	ug/l 89
36) 1,2-Dichloroethane	8.09	62	233288	104.470	ug/l 99
37) Trichloroethene	8.80	130	154646	108.265	ug/l 97
38) Methylcyclohexane	9.05	83	259913	110.915	ug/l 98
39) 1,2-Dichloropropane	9.09	63	166710	104.336	ug/l 97
40) Dibromomethane	9.18	93	104761	105.065	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061395.D
 Acq On : 14 May 2020 15:23
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:44 PM

Quant Time: May 14 15:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	227492	109.671	ug/l	99
42) Vinyl Acetate	5.84	43	2183235	553.875	ug/l	99
43) Ethyl Acetate	6.88	43	201394	93.287	ug/l	94
44) Isopropyl Acetate	8.12	43	376305	104.556	ug/l	100
45) 1,4-Dioxane	9.16	88	29126	1178.038	ug/l	94
46) Methyl methacrylate	9.17	41	174698	104.959	ug/l	95
47) n-amyl Acetate	12.04	43	348712	109.143	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	272474	112.472	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	283145	111.685	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	145292	102.619	ug/l	99
51) Ethyl methacrylate	10.40	69	254808	109.824	ug/l	96
52) 1,3-Dichloropropane	10.68	76	264596	103.516	ug/l	99
53) Dibromochloromethane	10.87	129	164557	107.462	ug/l	99
54) 1,2-Dibromoethane	10.98	107	150775	102.418	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	567607	512.503	ug/l	99
56) Bromoform	12.10	173	106865	102.200	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1040056	500.158	ug/l	100
59) 2-Hexanone	10.72	43	745377	462.682	ug/l	99
61) Tetrachloroethene	10.60	164	148173	116.844	ug/l	96
62) Toluene	10.12	91	679906	109.110	ug/l	98
64) Chlorobenzene	11.41	112	401804	106.248	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	149077	105.474	ug/l	98
66) Ethyl Benzene	11.48	91	781344	112.609	ug/l	100
67) m/p-Xylenes	11.60	106	587135	226.946	ug/l	100
68) o-Xylene	11.92	106	277332	110.471	ug/l	100
69) Styrene	11.94	104	494174	118.520	ug/l	98
70) Isopropylbenzene	12.22	105	758326	112.465	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	203621	92.521	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	189930m	94.024	ug/l	
73) Bromobenzene	12.50	156	159490	100.328	ug/l	94
74) n-propylbenzene	12.57	91	902334	114.289	ug/l	100
75) 2-Chlorotoluene	12.65	91	518032	109.335	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	638749	110.933	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	84962	108.787	ug/l	97
78) 4-Chlorotoluene	12.75	91	548576	112.101	ug/l	99
79) tert-butylbenzene	12.97	119	530118	108.214	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	640103	112.104	ug/l	100
81) sec-Butylbenzene	13.15	105	736972	111.399	ug/l	100
82) p-Isopropyltoluene	13.26	119	670389	112.787	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	302216	104.736	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	299688	103.932	ug/l	98
85) n-Butylbenzene	13.59	91	620334	113.125	ug/l	98
86) Hexachloroethane	13.85	117	93219	90.683	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	287027	100.793	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43545	89.112	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	170393	96.007	ug/l	99
90) Hexachlorobutadiene	14.99	225	66213	75.257	ug/l	98
91) Naphthalene	15.10	128	534393	101.365	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	163094	94.669	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
Data File : VN061395.D
Acq On : 14 May 2020 15:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:10:44 PM

Quant Time: May 14 15:44:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 15:22:52 2020
Response via : Initial Calibration

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

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

