

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056621.D
 Acq On : 9 Jul 2019 10:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:00 AM

Quant Time: Jul 09 13:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55335	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	304355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	264974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	112293	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	121902	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	372101	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	55292	19.925	ug/l 98
3) Chloromethane	2.06	50	73545	18.261	ug/l 99
4) Vinyl Chloride	2.18	62	72882	19.227	ug/l 100
5) Bromomethane	2.53	94	44782m	22.142	ug/l
6) Chloroethane	2.68	64	42317	20.159	ug/l 97
7) Trichlorofluoromethane	3.00	101	95470	19.622	ug/l 99
8) Diethyl Ether	3.40	74	39459	19.119	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61453	19.933	ug/l 95
10) 1,1-Dichloroethene	3.73	96	59413	19.642	ug/l 96
11) Methyl Iodide	3.95	142	73007	16.878	ug/l 99
12) Methyl Acetate	4.32	43	74787	18.334	ug/l 98
13) Acrolein	3.60	56	32938	82.701	ug/l 99
14) Acrylonitrile	4.99	53	164616	91.907	ug/l 99
15) Acetone	3.82	58	61900	123.862	ug/l 94
16) Carbon Disulfide	4.05	76	139869	19.231	ug/l 100
17) Allyl chloride	4.32	41	99703	18.836	ug/l 97
18) Methylene Chloride	4.55	84	68667	19.201	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	62451	19.036	ug/l 88
20) Diisopropyl ether	5.95	45	211751	19.363	ug/l 96
21) 1,1-Dichloroethane	5.84	63	117986	19.126	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	74624	19.343	ug/l 96
23) tert-Butyl Alcohol	4.78	59	56193	83.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	189497	18.941	ug/l 99
25) Chloroform	7.37	83	118247	19.556	ug/l 100
26) Cyclohexane	7.65	56	108871	19.160	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	87274	19.419	ug/l 98
30) 2-Butanone	6.83	43	260486	104.548	ug/l 97
31) 2,2-Dichloropropane	6.82	77	85851	19.866	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	92649	19.337	ug/l 98
33) Carbon Tetrachloride	7.77	117	79186	19.496	ug/l 99
34) Benzene	8.04	78	274022	19.498	ug/l 98
35) Methacrylonitrile	7.17	41	41731	18.860	ug/l 96
36) 1,2-Dichloroethane	8.12	62	88650	19.408	ug/l 96
37) Trichloroethene	8.83	130	71452	19.494	ug/l 92
38) Methylcyclohexane	9.08	83	109645	19.467	ug/l 99
39) 1,2-Dichloropropane	9.12	63	73654	19.469	ug/l 98
40) Dibromomethane	9.21	93	45631	19.512	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056621.D
 Acq On : 9 Jul 2019 10:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:00 AM

Quant Time: Jul 09 13:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	84318	19.454	ug/l	99
42) Vinyl Acetate	5.89	43	851254	95.953	ug/l	98
43) Ethyl Acetate	6.93	43	89491	18.568	ug/l	94
44) Isopropyl Acetate	8.16	43	142699	18.977	ug/l	99
45) 1,4-Dioxane	9.20	88	27455	373.145	ug/l	88
46) Methyl methacrylate	9.20	41	66860	18.096	ug/l	95
47) n-amyl Acetate	12.07	43	110759	17.721	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	89772	19.325	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	104459	19.496	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67636	19.632	ug/l	97
51) Ethyl methacrylate	10.43	69	99921	18.415	ug/l	98
52) 1,3-Dichloropropane	10.71	76	112603	19.235	ug/l	98
53) Dibromochloromethane	10.90	129	66671	19.744	ug/l	97
54) 1,2-Dibromoethane	11.00	107	67452	18.790	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	255256	92.321	ug/l	98
56) Bromoform	12.12	173	46704	19.035	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	443959	93.187	ug/l	96
59) 2-Hexanone	10.75	43	344878	97.554	ug/l	99
61) Tetrachloroethene	10.63	164	67881	20.410	ug/l	98
62) Toluene	10.15	91	288651	19.519	ug/l	99
64) Chlorobenzene	11.43	112	176819	19.846	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	63497	19.789	ug/l	99
66) Ethyl Benzene	11.51	91	307620	19.185	ug/l	98
67) m/p-Xylenes	11.62	106	233605	39.477	ug/l	96
68) o-Xylene	11.94	106	113086	19.324	ug/l	97
69) Styrene	11.96	104	186795	19.185	ug/l	98
70) Isopropylbenzene	12.25	105	302499	19.811	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	95689	18.956	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	82225m	19.370	ug/l	
73) Bromobenzene	12.52	156	75861	19.264	ug/l	91
74) n-propylbenzene	12.59	91	338502	19.541	ug/l	97
75) 2-Chlorotoluene	12.67	91	203310	19.627	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	255580	19.767	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	24452	17.983	ug/l	97
78) 4-Chlorotoluene	12.77	91	195340	19.390	ug/l	97
79) tert-butylbenzene	12.99	119	215916	19.545	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	252557	19.777	ug/l	98
81) sec-Butylbenzene	13.17	105	285075	19.460	ug/l	98
82) p-Isopropyltoluene	13.29	119	257779	19.572	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	126935	19.410	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119979	19.019	ug/l	99
85) n-Butylbenzene	13.61	91	208581	18.845	ug/l	98
86) Hexachloroethane	13.87	117	38207	19.239	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	127678	19.226	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15566	17.209	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	61858	16.852	ug/l	97
90) Hexachlorobutadiene	15.01	225	44923	19.698	ug/l	99
91) Naphthalene	15.13	128	162514	15.777	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66354	17.220	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
Data File : VN056621.D
Acq On : 9 Jul 2019 10:04
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:00 AM

Quant Time: Jul 09 13:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
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\VN070919\
Data File : VN056621.D
Acq On : 9 Jul 2019 10:04
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:00 AM

Quant Time: Jul 09 13:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

