

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050304.D
 Acq On : 3 Aug 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:37:42 AM

Quant Time: Aug 03 23:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	128134	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	691509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	590778	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	262075	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.40	95	269943	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	10.09	98	855133	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	158575	17.96	ug/l	97
3) Chloromethane	2.06	50	143610	15.77	ug/l	99
4) Vinyl Chloride	2.18	62	161247	16.64	ug/l	96
5) Bromomethane	2.56	94	23936	4.05	ug/l	99
6) Chloroethane	2.70	64	97364	16.99	ug/l	99
7) Trichlorofluoromethane	3.01	101	233178	18.41	ug/l	98
8) Diethyl Ether	3.41	74	79627	18.74	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145504	18.88	ug/l	99
10) 1,1-Dichloroethene	3.73	96	121318	17.76	ug/l	95
11) Methyl Iodide	3.95	142	16147	1.61	ug/l	100
12) Methyl Acetate	4.33	43	183614	23.46	ug/l	99
13) Acrolein	3.61	56	11264	23.29	ug/l	95
14) Acrylonitrile	4.99	53	251271	96.22	ug/l	97
15) Acetone	3.82	58	77945	112.31	ug/l	99
16) Carbon Disulfide	4.05	76	322959	15.45	ug/l	99
17) Allyl chloride	4.32	41	194653	18.04	ug/l	99
18) Methylene Chloride	4.55	84	145214	18.42	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	131621	18.00	ug/l	95
20) Diisopropyl ether	5.96	45	434909	19.66	ug/l	99
21) 1,1-Dichloroethane	5.85	63	262672	18.88	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	153246	18.89	ug/l	99
23) tert-Butyl Alcohol	4.80	59	60103	103.00	ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	358840	19.26	ug/l	100
25) Chloroform	7.37	83	271101	19.25	ug/l	99
26) Cyclohexane	7.65	56	191155	17.29	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	188113	17.53	ug/l	100
30) 2-Butanone	6.84	43	325818	96.75	ug/l	99
31) 2,2-Dichloropropane	6.82	77	222136	18.73	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	228529	18.09	ug/l	99
33) Carbon Tetrachloride	7.77	117	198055	17.59	ug/l	99
34) Benzene	8.04	78	581567	17.84	ug/l	100
35) Methacrylonitrile	7.17	41	69909	18.23	ug/l	97
36) 1,2-Dichloroethane	8.13	62	192253	17.97	ug/l	98
37) Trichloroethene	8.84	130	149780	17.52	ug/l	100
38) Methylcyclohexane	9.08	83	189702	16.77	ug/l	99
39) 1,2-Dichloropropane	9.12	63	159369	18.56	ug/l	99
40) Dibromomethane	9.21	93	95511	18.00	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050304.D
 Acq On : 3 Aug 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:37:42 AM

Quant Time: Aug 03 23:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	205492	18.36	ug/l	97
42) Vinyl Acetate	5.90	43	1361386	85.91	ug/l	99
43) Ethyl Acetate	6.93	43	130097	18.50	ug/l #	91
44) Isopropyl Acetate	8.17	43	268107	20.58	ug/l #	90
45) 1,4-Dioxane	9.20	88	33462	390.36	ug/l	100
46) Methyl methacrylate	9.20	41	118861	18.82	ug/l	98
47) n-amyl Acetate	12.07	43	173825	17.15	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	195052	18.28	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	222243	17.73	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	140516	18.45	ug/l	98
51) Ethyl methacrylate	10.43	69	165287	17.88	ug/l	98
52) 1,3-Dichloropropane	10.71	76	229314	18.33	ug/l	99
53) Dibromochloromethane	10.90	129	154702	17.90	ug/l	99
54) 1,2-Dibromoethane	11.01	107	134801	18.07	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	358844	85.76	ug/l	99
56) Bromoform	12.13	173	105396	17.27	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	686101	99.81	ug/l	99
59) 2-Hexanone	10.75	43	466509	99.47	ug/l	99
61) Tetrachloroethene	10.63	164	144867	18.10	ug/l	99
62) Toluene	10.16	91	628110	18.63	ug/l	99
64) Chlorobenzene	11.44	112	384968	18.83	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	152401	19.12	ug/l	99
66) Ethyl Benzene	11.51	91	634623	18.42	ug/l	99
67) m/p-Xylenes	11.62	106	497071	37.50	ug/l	100
68) o-Xylene	11.95	106	237853	18.86	ug/l	99
69) Styrene	11.97	104	377277	18.66	ug/l	99
70) Isopropylbenzene	12.25	105	638311	19.00	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	180243	19.54	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146565m	18.61	ug/l	
73) Bromobenzene	12.53	156	165066	18.45	ug/l	98
74) n-propylbenzene	12.59	91	726887	18.58	ug/l	99
75) 2-Chlorotoluene	12.68	91	442885	18.85	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	523921	18.99	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40046	15.55	ug/l	94
78) 4-Chlorotoluene	12.77	91	434360	18.65	ug/l	99
79) tert-butylbenzene	12.99	119	449990	19.08	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	526175	18.82	ug/l	100
81) sec-Butylbenzene	13.17	105	605504	18.90	ug/l	99
82) p-Isopropyltoluene	13.29	119	514732	18.83	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	283109	18.17	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	268795	18.26	ug/l	98
85) n-Butylbenzene	13.62	91	393179	17.72	ug/l	99
86) Hexachloroethane	13.88	117	93005	17.02	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	288447	18.94	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27090	18.86	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	121293	16.67	ug/l	98
90) Hexachlorobutadiene	15.01	225	90274	18.82	ug/l	98
91) Naphthalene	15.14	128	244880	18.38	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	130769	17.68	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
Data File : VN050304.D
Acq On : 3 Aug 2018 10:29
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:37:42 AM

Quant Time: Aug 03 23:11:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
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\VN080318\
Data File : VN050304.D
Acq On : 3 Aug 2018 10:29
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:37:42 AM

Quant Time: Aug 03 23:11:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

