

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051743.D
 Acq On : 9 Oct 2018 11:09
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:10 AM

Quant Time: Oct 10 05:32:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	119179	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	674946	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	608552	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246559	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	12.40	95	261132	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	10.09	98	807527	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	145748	20.965	ug/l 99
3) Chloromethane	2.06	50	125483	18.387	ug/l 99
4) Vinyl Chloride	2.18	62	195561	18.840	ug/l 98
5) Bromomethane	2.54	94	151980	18.835	ug/l 87
6) Chloroethane	2.68	64	138421	19.895	ug/l 100
7) Trichlorofluoromethane	3.00	101	276382	23.249	ug/l 96
8) Diethyl Ether	3.41	74	63139	19.884	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126387	20.732	ug/l # 39
10) 1,1-Dichloroethene	3.73	96	111093	19.969	ug/l 85
11) Methyl Iodide	3.95	142	152209	21.311	ug/l 97
12) Methyl Acetate	4.32	43	97133	22.125	ug/l 98
13) Acrolein	3.61	56	38295	118.654	ug/l 93
14) Acrylonitrile	4.99	53	176674	98.564	ug/l # 58
15) Acetone	3.82	58	46830	109.321	ug/l 87
16) Carbon Disulfide	4.05	76	292708	18.394	ug/l 98
17) Allyl chloride	4.32	41	154402	19.029	ug/l 80
18) Methylene Chloride	4.55	84	127488	20.312	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	122962	19.552	ug/l 89
20) Diisopropyl ether	5.95	45	338151	18.555	ug/l # 89
21) 1,1-Dichloroethane	5.85	63	218556	19.216	ug/l # 96
22) cis-1,2-Dichloroethene	6.83	96	145637	19.683	ug/l 89
23) tert-Butyl Alcohol	4.80	59	52376m	113.122	ug/l
24) Methyl tert-Butyl Ether	5.05	73	354471	19.844	ug/l # 59
25) Chloroform	7.37	83	250453	19.475	ug/l 94
26) Cyclohexane	7.65	56	184864	19.127	ug/l # 81
29) 1,1-Dichloropropene	7.79	75	175643	19.580	ug/l 96
30) 2-Butanone	6.84	43	235097	107.610	ug/l # 94
31) 2,2-Dichloropropane	6.83	77	227150	20.326	ug/l # 82
32) 1,1,1-Trichloroethane	7.57	97	234731	19.458	ug/l 97
33) Carbon Tetrachloride	7.77	117	210747	19.270	ug/l 92
34) Benzene	8.04	78	521937	19.234	ug/l # 71
35) Methacrylonitrile	7.18	41	48183	19.984	ug/l 77
36) 1,2-Dichloroethane	8.13	62	178316	19.633	ug/l 99
37) Trichloroethene	8.83	130	152030	20.148	ug/l 99
38) Methylcyclohexane	9.08	83	219782	19.348	ug/l 83
39) 1,2-Dichloropropane	9.12	63	129245	19.445	ug/l 96
40) Dibromomethane	9.21	93	93384	20.309	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051743.D
 Acq On : 9 Oct 2018 11:09
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:10 AM

Quant Time: Oct 10 05:32:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	195913	19.092	ug/l	94
42) Vinyl Acetate	5.90	43	1233221	95.800	ug/l #	94
43) Ethyl Acetate	6.93	43	92094	20.033	ug/l	96
44) Isopropyl Acetate	8.17	43	196637	19.341	ug/l	100
45) 1,4-Dioxane	9.20	88	27202	423.452	ug/l #	83
46) Methyl methacrylate	9.20	41	92272	20.358	ug/l	83
47) n-amyl Acetate	12.07	43	151922m	17.602	ug/l	
48) t-1,3-Dichloropropene	10.38	75	192954	18.587	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	210130	18.780	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	128170	19.765	ug/l	96
51) Ethyl methacrylate	10.43	69	153057	18.558	ug/l	88
52) 1,3-Dichloropropane	10.71	76	202234	19.583	ug/l	97
53) Dibromochloromethane	10.90	129	155226	18.224	ug/l	97
54) 1,2-Dibromoethane	11.01	107	131630	19.349	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	284885	83.381	ug/l	94
56) Bromoform	12.13	173	103909	17.017	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	507076	101.486	ug/l #	93
59) 2-Hexanone	10.75	43	343953	101.702	ug/l	94
61) Tetrachloroethene	10.63	164	146770	20.472	ug/l	99
62) Toluene	10.16	91	613533	19.903	ug/l	100
64) Chlorobenzene	11.43	112	391739	19.799	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155627	19.326	ug/l	98
66) Ethyl Benzene	11.51	91	671119	19.353	ug/l	99
67) m/p-Xylenes	11.62	106	547501	39.474	ug/l	98
68) o-Xylene	11.95	106	270946	19.806	ug/l	91
69) Styrene	11.96	104	408135	18.699	ug/l	98
70) Isopropylbenzene	12.25	105	723914	19.694	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	157294	20.490	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	146610m	23.941	ug/l	
73) Bromobenzene	12.53	156	171482	19.396	ug/l	87
74) n-propylbenzene	12.59	91	784477	19.386	ug/l	97
75) 2-Chlorotoluene	12.67	91	463141	19.588	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	612495	19.637	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40010	17.524	ug/l	98
78) 4-Chlorotoluene	12.77	91	453618	19.144	ug/l	93
79) tert-butylbenzene	12.99	119	559244	19.935	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	621682	20.038	ug/l	99
81) sec-Butylbenzene	13.17	105	741199	19.750	ug/l	97
82) p-Isopropyltoluene	13.29	119	660799	19.987	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	308088	19.486	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	284511	18.831	ug/l	98
85) n-Butylbenzene	13.61	91	492867	18.861	ug/l	96
86) Hexachloroethane	13.88	117	119141	18.213	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	299237	19.315	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23434	18.539	ug/l #	80
89) 1,2,4-Trichlorobenzene	14.91	180	108218	18.310	ug/l	97
90) Hexachlorobutadiene	15.01	225	99410	21.086	ug/l	97
91) Naphthalene	15.13	128	209040	14.289	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	108776	16.275	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051743.D
Acq On : 9 Oct 2018 11:09
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:10 AM

Quant Time: Oct 10 05:32:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 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:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051743.D
Acq On : 9 Oct 2018 11:09
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:10 AM

Quant Time: Oct 10 05:32:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

