

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050124.D
 Acq On : 27 Jul 2018 11:08
 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
 7/30/2018 1:37:15 PM

Quant Time: Jul 27 12:56:32 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	7.20	128	153670	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	872653	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	752444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314986	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	346183	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	10.09	98	1051791	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	224994	21.246 ug/l	96
3) Chloromethane	2.06	50	193340	17.708 ug/l	100
4) Vinyl Chloride	2.18	62	225924	19.436 ug/l	98
5) Bromomethane	2.56	94	78974	11.145 ug/l	98
6) Chloroethane	2.70	64	132339	19.250 ug/l	99
7) Trichlorofluoromethane	3.01	101	310354	20.432 ug/l	100
8) Diethyl Ether	3.41	74	105494	20.705 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	190249	20.589 ug/l	99
10) 1,1-Dichloroethene	3.73	96	169321	20.666 ug/l	96
11) Methyl Iodide	3.95	142	71899	5.964 ug/l	95
12) Methyl Acetate	4.33	43	198221	21.120 ug/l	98
13) Acrolein	3.61	56	30366	52.353 ug/l	95
14) Acrylonitrile	4.99	53	306355	97.822 ug/l	98
15) Acetone	3.82	58	89745	107.828 ug/l	97
16) Carbon Disulfide	4.05	76	483370	19.278 ug/l	100
17) Allyl chloride	4.32	41	259054	20.021 ug/l	100
18) Methylene Chloride	4.55	84	186818	19.760 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	178446	20.343 ug/l	95
20) Diisopropyl ether	5.96	45	547665	20.643 ug/l	99
21) 1,1-Dichloroethane	5.85	63	331907	19.896 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	203515	20.921 ug/l	100
23) tert-Butyl Alcohol	4.80	59	75339	107.660 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	476491m	21.325 ug/l	
25) Chloroform	7.37	83	336306	19.914 ug/l	98
26) Cyclohexane	7.65	56	280844	21.185 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	253234	18.699 ug/l	100
30) 2-Butanone	6.84	43	389490	91.650 ug/l	98
31) 2,2-Dichloropropane	6.83	77	288022	19.240 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	295179	18.517 ug/l	99
33) Carbon Tetrachloride	7.77	117	260159	18.309 ug/l	99
34) Benzene	8.04	78	757677	18.422 ug/l	99
35) Methacrylonitrile	7.18	41	87204	18.022 ug/l	98
36) 1,2-Dichloroethane	8.13	62	246927	18.285 ug/l	100
37) Trichloroethene	8.84	130	208051	19.287 ug/l	96
38) Methylcyclohexane	9.08	83	282204	19.766 ug/l	97
39) 1,2-Dichloropropane	9.12	63	198530	18.323 ug/l	98
40) Dibromomethane	9.21	93	122138	18.239 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050124.D
 Acq On : 27 Jul 2018 11:08
 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
 7/30/2018 1:37:15 PM

Quant Time: Jul 27 12:56:32 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	255923	18.118	ug/l	99
42) Vinyl Acetate	5.90	43	1841769	92.097	ug/l	99
43) Ethyl Acetate	6.93	43	163776	18.455	ug/l	93
44) Isopropyl Acetate	8.17	43	328871	20.006	ug/l	94
45) 1,4-Dioxane	9.20	88	41855	386.917	ug/l	99
46) Methyl methacrylate	9.20	41	143343	17.987	ug/l	98
47) n-amyl Acetate	12.07	43	232060	18.141	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	260804	19.371	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	295715	18.693	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	176764	18.390	ug/l	99
51) Ethyl methacrylate	10.43	69	222938	19.109	ug/l	98
52) 1,3-Dichloropropane	10.71	76	293213	18.576	ug/l	99
53) Dibromochloromethane	10.90	129	197630	18.117	ug/l	99
54) 1,2-Dibromoethane	11.01	107	175733	18.668	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	469619	88.941	ug/l	99
56) Bromoform	12.13	173	134392	17.448	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	835204	95.393	ug/l	99
59) 2-Hexanone	10.75	43	573434	96.002	ug/l	99
61) Tetrachloroethene	10.63	164	191610	18.800	ug/l	97
62) Toluene	10.16	91	832071	19.382	ug/l	100
64) Chlorobenzene	11.44	112	508369	19.528	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	196499	19.352	ug/l	99
66) Ethyl Benzene	11.51	91	878373	20.021	ug/l	99
67) m/p-Xylenes	11.62	106	674423	39.946	ug/l	100
68) o-Xylene	11.95	106	326395	20.319	ug/l	99
69) Styrene	11.97	104	505124	19.615	ug/l	99
70) Isopropylbenzene	12.25	105	879732	20.563	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	218541	18.605	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	186305m	18.571	ug/l	
73) Bromobenzene	12.53	156	219918	19.297	ug/l	99
74) n-propylbenzene	12.59	91	993135	19.932	ug/l	99
75) 2-Chlorotoluene	12.68	91	589284	19.691	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	717969	20.432	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	54830	16.717	ug/l	95
78) 4-Chlorotoluene	12.77	91	577951	19.488	ug/l	100
79) tert-butylbenzene	12.99	119	618915	20.602	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	728030	20.449	ug/l	100
81) sec-Butylbenzene	13.17	105	832673	20.403	ug/l	100
82) p-Isopropyltoluene	13.29	119	712327	20.457	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	379080	19.103	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	358020	19.092	ug/l	99
85) n-Butylbenzene	13.62	91	563031	19.923	ug/l	99
86) Hexachloroethane	13.88	117	120422	17.306	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	371525	19.154	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34150	18.663	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	182090	19.654	ug/l	99
90) Hexachlorobutadiene	15.01	225	124477	20.378	ug/l	99
91) Naphthalene	15.14	128	450843	23.166	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	190445	20.212	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
Data File : VN050124.D
Acq On : 27 Jul 2018 11:08
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
7/30/2018 1:37:15 PM

Quant Time: Jul 27 12:56:32 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

