

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050763.D
 Acq On : 20 Aug 2018 10:16
 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
 8/21/2018 2:12:50 PM

Quant Time: Aug 21 02:58:31 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	116826	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	626798	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556650	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	224026	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.40	95	257127	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	796622	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	127192	15.80	ug/l	98
3) Chloromethane	2.06	50	167107	20.13	ug/l	100
4) Vinyl Chloride	2.18	62	167573	18.96	ug/l	97
5) Bromomethane	2.57	94	97251	18.05	ug/l	99
6) Chloroethane	2.70	64	102898	19.69	ug/l	96
7) Trichlorofluoromethane	3.01	101	224947	19.48	ug/l	100
8) Diethyl Ether	3.41	74	73270	18.92	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142939	20.35	ug/l	99
10) 1,1-Dichloroethene	3.73	96	123419	19.81	ug/l	94
11) Methyl Iodide	3.95	142	83348	9.09	ug/l	99
12) Methyl Acetate	4.33	43	111777	15.67	ug/l	97
13) Acrolein	3.61	56	30884	70.04	ug/l	99
14) Acrylonitrile	4.99	53	206526	86.74	ug/l	98
15) Acetone	3.82	58	68684	108.55	ug/l	85
16) Carbon Disulfide	4.05	76	373038	19.57	ug/l	100
17) Allyl chloride	4.32	41	193004	19.62	ug/l	96
18) Methylene Chloride	4.55	84	149289	20.77	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	135496	20.32	ug/l	98
20) Diisopropyl ether	5.95	45	422467	20.95	ug/l	95
21) 1,1-Dichloroethane	5.85	63	255469	20.14	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148828	20.12	ug/l	98
23) tert-Butyl Alcohol	4.79	59	35801	67.29	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	318233	18.73	ug/l	99
25) Chloroform	7.37	83	258648	20.15	ug/l	99
26) Cyclohexane	7.65	56	210087	20.85	ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	193118	19.85	ug/l	100
30) 2-Butanone	6.84	43	303203	99.33	ug/l	99
31) 2,2-Dichloropropane	6.82	77	209459	19.48	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	218033	19.04	ug/l	99
33) Carbon Tetrachloride	7.77	117	196337	19.24	ug/l	99
34) Benzene	8.04	78	588209	19.91	ug/l	98
35) Methacrylonitrile	7.18	41	57008	16.40	ug/l	96
36) 1,2-Dichloroethane	8.12	62	176309	18.18	ug/l	99
37) Trichloroethene	8.83	130	154980	20.00	ug/l	93
38) Methylcyclohexane	9.08	83	200833	19.58	ug/l	99
39) 1,2-Dichloropropane	9.12	63	159005	20.43	ug/l	97
40) Dibromomethane	9.21	93	89636	18.64	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050763.D
 Acq On : 20 Aug 2018 10:16
 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
 8/21/2018 2:12:50 PM

Quant Time: Aug 21 02:58:31 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	196117	19.33	ug/l	98
42) Vinyl Acetate	5.90	43	1277289	88.92	ug/l	99
43) Ethyl Acetate	6.93	43	105714	16.59	ug/l #	90
44) Isopropyl Acetate	8.17	43	185513	15.71	ug/l	98
45) 1,4-Dioxane	9.20	88	23755	305.73	ug/l	92
46) Methyl methacrylate	9.20	41	89571	15.65	ug/l	96
47) n-amyl Acetate	12.07	43	146149	15.91	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	182218	18.84	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	221357	19.48	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	130892	18.96	ug/l	98
51) Ethyl methacrylate	10.43	69	140109	16.72	ug/l	99
52) 1,3-Dichloropropane	10.71	76	217026	19.14	ug/l	98
53) Dibromochloromethane	10.90	129	147117	18.78	ug/l	99
54) 1,2-Dibromoethane	11.00	107	122170	18.07	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	342450	90.30	ug/l	99
56) Bromoform	12.13	173	96683	17.48	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	652394	100.72	ug/l	99
59) 2-Hexanone	10.75	43	429303	97.15	ug/l	99
61) Tetrachloroethene	10.63	164	140812	18.68	ug/l	96
62) Toluene	10.16	91	631182	19.87	ug/l	100
64) Chlorobenzene	11.43	112	391434	20.33	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	147347	19.62	ug/l	99
66) Ethyl Benzene	11.51	91	639084	19.69	ug/l	99
67) m/p-Xylenes	11.62	106	513844	41.14	ug/l	99
68) o-Xylene	11.95	106	239212	20.13	ug/l	100
69) Styrene	11.96	104	390792	20.51	ug/l	100
70) Isopropylbenzene	12.25	105	640562	20.24	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157561	18.13	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	129742m	17.48	ug/l	
73) Bromobenzene	12.53	156	167813	19.90	ug/l	98
74) n-propylbenzene	12.59	91	746865	20.26	ug/l	99
75) 2-Chlorotoluene	12.67	91	451672	20.40	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	536671	20.64	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36639	15.10	ug/l	93
78) 4-Chlorotoluene	12.77	91	452290	20.62	ug/l	98
79) tert-butylbenzene	12.99	119	449638	20.23	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	545965	20.73	ug/l	98
81) sec-Butylbenzene	13.17	105	610458	20.22	ug/l	99
82) p-Isopropyltoluene	13.29	119	533321	20.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	292049	19.89	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	277402	20.00	ug/l	99
85) n-Butylbenzene	13.62	91	404481	19.35	ug/l	99
86) Hexachloroethane	13.87	117	98753	19.18	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	285750	19.91	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20621	15.23	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	113898	16.62	ug/l	99
90) Hexachlorobutadiene	15.01	225	91811	20.32	ug/l	98
91) Naphthalene	15.13	128	204829	17.17	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	118297	16.97	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
Data File : VN050763.D
Acq On : 20 Aug 2018 10:16
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
8/21/2018 2:12:50 PM

Quant Time: Aug 21 02:58:31 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

