

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057796.D
 Acq On : 9 Sep 2019 12:52
 Operator : JC/SP
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:05:04 AM

Quant Time: Sep 09 16:20:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	69388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	413395	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	373668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186268	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	189532	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	540864	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	87485	20.868 ug/l	96
3) Chloromethane	2.03	50	107112	20.490 ug/l	98
4) Vinyl Chloride	2.16	62	110521	20.664 ug/l	98
5) Bromomethane	2.54	94	70883	21.236 ug/l	91
6) Chloroethane	2.68	64	68381	20.572 ug/l	93
7) Trichlorofluoromethane	3.00	101	120959	19.575 ug/l	99
8) Diethyl Ether	3.39	74	51140	20.516 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79913	20.711 ug/l	98
10) 1,1-Dichloroethene	3.71	96	76555	20.865 ug/l	94
11) Methyl Iodide	3.93	142	97514	19.865 ug/l	98
12) Methyl Acetate	4.30	43	102954	20.447 ug/l	98
13) Acrolein	3.59	56	23710	86.789 ug/l	96
14) Acrylonitrile	4.96	53	215008	104.748 ug/l #	92
15) Acetone	3.80	58	56352	96.703 ug/l	94
16) Carbon Disulfide	4.03	76	164574	19.263 ug/l	99
17) Allyl chloride	4.30	41	135826	20.203 ug/l	94
18) Methylene Chloride	4.53	84	96385	20.847 ug/l	97
19) trans-1,2-Dichloroethene	5.02	96	81724	19.985 ug/l	97
20) Diisopropyl ether	5.93	45	321101	20.429 ug/l	97
21) 1,1-Dichloroethane	5.83	63	178580	20.606 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	104342	20.825 ug/l	97
23) tert-Butyl Alcohol	4.77	59	69243	103.333 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	289135	20.560 ug/l #	100
25) Chloroform	7.36	83	180685	20.478 ug/l	100
26) Cyclohexane	7.64	56	149280	20.501 ug/l #	98
29) 1,1-Dichloropropene	7.78	75	129939	19.981 ug/l	99
30) 2-Butanone	6.82	43	293357	100.044 ug/l	100
31) 2,2-Dichloropropane	6.80	77	133041	19.377 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	142225	19.451 ug/l	97
33) Carbon Tetrachloride	7.76	117	116970	19.610 ug/l	97
34) Benzene	8.03	78	393256	20.408 ug/l	99
35) Methacrylonitrile	7.16	41	48486	17.827 ug/l	97
36) 1,2-Dichloroethane	8.11	62	149978	20.057 ug/l	99
37) Trichloroethene	8.83	130	90743	19.389 ug/l	94
38) Methylcyclohexane	9.07	83	146396	19.769 ug/l	99
39) 1,2-Dichloropropane	9.11	63	108918	20.127 ug/l	97
40) Dibromomethane	9.20	93	67398	20.477 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057796.D
 Acq On : 9 Sep 2019 12:52
 Operator : JC/SP
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:05:04 AM

Quant Time: Sep 09 16:20:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	126808	19.110	ug/l	96
42) Vinyl Acetate	5.87	43	1265818	107.407	ug/l	99
43) Ethyl Acetate	6.91	43	114060	19.065	ug/l #	83
44) Isopropyl Acetate	8.15	43	208373	19.976	ug/l #	92
45) 1,4-Dioxane	9.19	88	32763	399.716	ug/l	97
46) Methyl methacrylate	9.19	41	102498	20.116	ug/l	99
47) n-amyl Acetate	12.07	43	183083	19.107	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	130186	18.429	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	150144	18.943	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	96830	20.282	ug/l	98
51) Ethyl methacrylate	10.43	69	144714	19.549	ug/l	99
52) 1,3-Dichloropropane	10.71	76	167498	20.062	ug/l	100
53) Dibromochloromethane	10.90	129	84963	18.020	ug/l	99
54) 1,2-Dibromoethane	11.00	107	94134	19.817	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	346773	98.584	ug/l	99
56) Bromoform	12.13	173	50942	17.441	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	640543	110.538	ug/l	99
59) 2-Hexanone	10.75	43	457350	105.173	ug/l	100
61) Tetrachloroethene	10.63	164	75630	19.907	ug/l	97
62) Toluene	10.15	91	428484	20.709	ug/l	99
64) Chlorobenzene	11.43	112	256618	19.994	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	86265	19.357	ug/l	98
66) Ethyl Benzene	11.51	91	474481	21.012	ug/l	99
67) m/p-Xylenes	11.62	106	347127	40.276	ug/l	99
68) o-Xylene	11.95	106	167356	19.821	ug/l	99
69) Styrene	11.97	104	283090	19.664	ug/l	100
70) Isopropylbenzene	12.25	105	462238	20.707	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	139361	19.976	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	126744m	20.469	ug/l	
73) Bromobenzene	12.53	156	103089	19.290	ug/l	99
74) n-propylbenzene	12.59	91	541769	21.243	ug/l	99
75) 2-Chlorotoluene	12.68	91	316984	19.955	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	385659	20.289	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31661	17.235	ug/l	95
78) 4-Chlorotoluene	12.78	91	322978	19.933	ug/l	99
79) tert-butylbenzene	13.00	119	334293	20.159	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	391139	20.652	ug/l	100
81) sec-Butylbenzene	13.17	105	448907	20.403	ug/l	99
82) p-Isopropyltoluene	13.29	119	398912	20.245	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	190005	19.128	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	189012	19.327	ug/l	98
85) n-Butylbenzene	13.62	91	362327	19.731	ug/l	99
86) Hexachloroethane	13.88	117	53634	17.089	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	191093	19.818	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22193	18.068	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	112631	19.122	ug/l	99
90) Hexachlorobutadiene	15.01	225	50568	18.693	ug/l	99
91) Naphthalene	15.13	128	320980	19.805	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	108302	19.280	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
Data File : VN057796.D
Acq On : 9 Sep 2019 12:52
Operator : JC/SP
Sample : VN0909WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:05:04 AM

Quant Time: Sep 09 16:20:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 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\VN090919\
Data File : VN057796.D
Acq On : 9 Sep 2019 12:52
Operator : JC/SP
Sample : VN0909WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:05:04 AM

Quant Time: Sep 09 16:20:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration

