

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057699.D
 Acq On : 5 Sep 2019 12:31
 Operator : JC/SP
 Sample : VN0905WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:27 AM

Quant Time: Sep 06 01:44:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	56890	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	337783	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	286182	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	182007	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	142772	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	10.09	98	426011	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	85667	20.901 ug/l	97
3) Chloromethane	2.05	50	79274	18.341 ug/l	99
4) Vinyl Chloride	2.18	62	71943	20.354 ug/l	92
5) Bromomethane	2.56	94	45292	20.044 ug/l	99
6) Chloroethane	2.70	64	51044	19.777 ug/l #	89
7) Trichlorofluoromethane	3.02	101	140612	20.771 ug/l	97
8) Diethyl Ether	3.40	74	45024	20.220 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73331	20.844 ug/l	100
10) 1,1-Dichloroethene	3.73	96	67051	20.891 ug/l	91
11) Methyl Iodide	3.95	142	80515	18.116 ug/l	98
12) Methyl Acetate	4.31	43	98426	20.540 ug/l	99
13) Acrolein	3.60	56	21888	80.502 ug/l	92
14) Acrylonitrile	4.97	53	172511	98.917 ug/l	98
15) Acetone	3.80	58	43786	89.507 ug/l	97
16) Carbon Disulfide	4.05	76	151171	18.750 ug/l	96
17) Allyl chloride	4.32	41	144319	21.054 ug/l	98
18) Methylene Chloride	4.54	84	78230	19.451 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	69414	20.446 ug/l	96
20) Diisopropyl ether	5.93	45	298843	20.232 ug/l	93
21) 1,1-Dichloroethane	5.84	63	152993	20.095 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	84156	20.294 ug/l #	88
23) tert-Butyl Alcohol	4.75	59	54811m	86.433 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	261877	20.535 ug/l	100
25) Chloroform	7.36	83	160847	20.381 ug/l	94
26) Cyclohexane	7.64	56	131351	20.261 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	110635	20.511 ug/l	98
30) 2-Butanone	6.82	43	251644	98.760 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	135089	20.236 ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	139607	20.906 ug/l	99
33) Carbon Tetrachloride	7.76	117	111799	20.616 ug/l	93
34) Benzene	8.03	78	314809	20.318 ug/l	94
35) Methacrylonitrile	7.16	41	41631m	17.835 ug/l	
36) 1,2-Dichloroethane	8.11	62	144454	20.921 ug/l #	100
37) Trichloroethene	8.83	130	75577	20.542 ug/l	98
38) Methylcyclohexane	9.08	83	121301	20.266 ug/l	98
39) 1,2-Dichloropropane	9.11	63	87037	20.543 ug/l	97
40) Dibromomethane	9.20	93	55903	20.354 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057699.D
 Acq On : 5 Sep 2019 12:31
 Operator : JC/SP
 Sample : VN0905WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:27 AM

Quant Time: Sep 06 01:44:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	119814	20.183	ug/l #	97
42) Vinyl Acetate	5.88	43	1205353	107.627	ug/l	100
43) Ethyl Acetate	6.91	43	115706m	22.052	ug/l	
44) Isopropyl Acetate	8.15	43	197391	20.123	ug/l	99
45) 1,4-Dioxane	9.19	88	19915	316.262	ug/l #	86
46) Methyl methacrylate	9.19	41	97269	20.436	ug/l	100
47) n-amyl Acetate	12.07	43	135230	17.776	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	117872	18.930	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	129629	19.512	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	75027	20.255	ug/l	98
51) Ethyl methacrylate	10.43	69	113306	18.764	ug/l	96
52) 1,3-Dichloropropane	10.71	76	134879	20.458	ug/l	99
53) Dibromochloromethane	10.90	129	76798	19.865	ug/l	96
54) 1,2-Dibromoethane	11.00	107	74580	20.141	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	146207	76.633	ug/l	99
56) Bromoform	12.13	173	42042	17.537	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	556246	109.983	ug/l	99
59) 2-Hexanone	10.75	43	362486	101.283	ug/l	100
61) Tetrachloroethene	10.63	164	70587	21.480	ug/l	99
62) Toluene	10.15	91	335593	20.886	ug/l	98
64) Chlorobenzene	11.43	112	189111	20.044	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	73805	21.353	ug/l	95
66) Ethyl Benzene	11.51	91	371053	20.659	ug/l	98
67) m/p-Xylenes	11.62	106	251392	39.909	ug/l	99
68) o-Xylene	11.95	106	123980	19.766	ug/l	92
69) Styrene	11.96	104	192342	19.132	ug/l	100
70) Isopropylbenzene	12.25	105	355034	20.636	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	97636	21.569	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	86729m	20.373	ug/l	
73) Bromobenzene	12.53	156	72024	19.755	ug/l	96
74) n-propylbenzene	12.59	91	366333	19.235	ug/l	99
75) 2-Chlorotoluene	12.68	91	237181	19.893	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	284515	19.921	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23312	17.939	ug/l	92
78) 4-Chlorotoluene	12.78	91	210233	18.559	ug/l	97
79) tert-butylbenzene	13.00	119	247858	20.206	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	265077	19.753	ug/l	99
81) sec-Butylbenzene	13.17	105	303076	19.173	ug/l	99
82) p-Isopropyltoluene	13.29	119	245570	18.291	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	104889	19.210	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	95429	18.514	ug/l	99
85) n-Butylbenzene	13.62	91	206163	17.470	ug/l	99
86) Hexachloroethane	13.88	117	45499	18.728	ug/l	91
87) 1,2-Dichlorobenzene	13.66	146	100926	20.035	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	12186	18.363	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	22236	12.740	ug/l	96
90) Hexachlorobutadiene	15.01	225	37166	19.198	ug/l	94
91) Naphthalene	15.13	128	53748	11.857	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	22597	13.324	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
Data File : VN057699.D
Acq On : 5 Sep 2019 12:31
Operator : JC/SP
Sample : VN0905WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Manual Integrations
APPROVED

MMDadoda
9/6/2019 8:26:27 AM

Quant Time: Sep 06 01:44:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 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\VN090519\
 Data File : VN057699.D
 Acq On : 5 Sep 2019 12:31
 Operator : JC/SP
 Sample : VN0905WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:27 AM

Quant Time: Sep 06 01:44:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

