

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054061.D
 Acq On : 4 Mar 2019 12:17
 Operator : JC/SP
 Sample : VN0304WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0304WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:29:47 AM

Quant Time: Mar 04 23:35:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108741	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	592303	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	504127	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	238508	31.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.10%
60) 4-Bromofluorobenzene	12.40	95	231004	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	742453	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	121735	19.800	ug/l 99
3) Chloromethane	2.06	50	172177	21.053	ug/l 99
4) Vinyl Chloride	2.18	62	163037	19.908	ug/l 99
5) Bromomethane	2.57	94	100877	20.024	ug/l 97
6) Chloroethane	2.71	64	95810	19.870	ug/l 97
7) Trichlorofluoromethane	3.02	101	201853	20.286	ug/l 99
8) Diethyl Ether	3.41	74	77932	20.825	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127709	19.963	ug/l 99
10) 1,1-Dichloroethene	3.74	96	120742	20.144	ug/l 95
11) Methyl Iodide	3.96	142	161638	18.180	ug/l 99
12) Methyl Acetate	4.33	43	113489	22.456	ug/l 97
13) Acrolein	3.61	56	42145	91.830	ug/l 95
14) Acrylonitrile	4.99	53	265123	109.170	ug/l 99
15) Acetone	3.82	58	68307	97.599	ug/l 100
16) Carbon Disulfide	4.06	76	381829	19.634	ug/l 99
17) Allyl chloride	4.33	41	219847	20.740	ug/l 98
18) Methylene Chloride	4.55	84	145591	21.035	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	131154	20.170	ug/l 93
20) Diisopropyl ether	5.95	45	437404	20.627	ug/l 95
21) 1,1-Dichloroethane	5.85	63	257223	20.539	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	148999	20.583	ug/l 99
23) tert-Butyl Alcohol	4.78	59	49839	114.578	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	340383	20.977	ug/l 98
25) Chloroform	7.37	83	247584	20.490	ug/l 99
26) Cyclohexane	7.65	56	227151	19.930	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	186311	20.082	ug/l 99
30) 2-Butanone	6.84	43	312745	106.763	ug/l 98
31) 2,2-Dichloropropane	6.83	77	179840	19.658	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	205686	20.612	ug/l 100
33) Carbon Tetrachloride	7.78	117	176979	20.030	ug/l 99
34) Benzene	8.04	78	575405	20.869	ug/l 99
35) Methacrylonitrile	7.19	41	81272m	24.813	ug/l
36) 1,2-Dichloroethane	8.12	62	183316	20.704	ug/l 99
37) Trichloroethene	8.84	130	149106	20.716	ug/l 99
38) Methylcyclohexane	9.08	83	204410	18.667	ug/l 98
39) 1,2-Dichloropropane	9.12	63	155297	20.559	ug/l 96
40) Dibromomethane	9.21	93	90549	20.911	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054061.D
 Acq On : 4 Mar 2019 12:17
 Operator : JC/SP
 Sample : VN0304WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0304WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:29:47 AM

Quant Time: Mar 04 23:35:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	189728	20.650	ug/l	99
42) Vinyl Acetate	5.90	43	1562130	103.223	ug/l	99
43) Ethyl Acetate	6.93	43	133667	21.785	ug/l #	71
44) Isopropyl Acetate	8.16	43	233181	21.658	ug/l	94
45) 1,4-Dioxane	9.20	88	30178	474.160	ug/l	96
46) Methyl methacrylate	9.20	41	106404	20.575	ug/l	97
47) n-amyl Acetate	12.07	43	163023	20.613	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	180475	19.591	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	214443	19.824	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	124281	20.460	ug/l	99
51) Ethyl methacrylate	10.43	69	145205	19.858	ug/l	98
52) 1,3-Dichloropropane	10.71	76	216990	20.814	ug/l	99
53) Dibromochloromethane	10.90	129	133887	20.059	ug/l	98
54) 1,2-Dibromoethane	11.01	107	119641	20.677	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	355452	104.749	ug/l	99
56) Bromoform	12.13	173	89966	20.300	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	626992	110.375	ug/l	97
59) 2-Hexanone	10.75	43	396565	106.850	ug/l	98
61) Tetrachloroethene	10.63	164	145007	20.691	ug/l	96
62) Toluene	10.16	91	584973	20.763	ug/l	100
64) Chlorobenzene	11.43	112	345521	20.140	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	131443	20.866	ug/l	98
66) Ethyl Benzene	11.51	91	586722	19.923	ug/l	98
67) m/p-Xylenes	11.62	106	456412	41.163	ug/l	98
68) o-Xylene	11.95	106	220697	20.533	ug/l	98
69) Styrene	11.96	104	343741	20.197	ug/l	98
70) Isopropylbenzene	12.25	105	578300	20.500	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	148454	21.321	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	114949m	21.742	ug/l	
73) Bromobenzene	12.53	156	140256	19.720	ug/l	98
74) n-propylbenzene	12.59	91	677276	20.162	ug/l	100
75) 2-Chlorotoluene	12.68	91	405430	20.610	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	486608	20.364	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36867	19.596	ug/l	99
78) 4-Chlorotoluene	12.77	91	395002	20.067	ug/l	99
79) tert-butylbenzene	12.99	119	427238	20.404	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	488004	20.519	ug/l	99
81) sec-Butylbenzene	13.17	105	577059	20.094	ug/l	99
82) p-Isopropyltoluene	13.29	119	491592	20.048	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	249407	19.881	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	237235	19.807	ug/l	100
85) n-Butylbenzene	13.62	91	399808	18.707	ug/l	98
86) Hexachloroethane	13.87	117	88636	19.334	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	247858	20.372	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21381	21.224	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	113154	18.307	ug/l	97
90) Hexachlorobutadiene	15.01	225	84092	18.725	ug/l	98
91) Naphthalene	15.13	128	225710	20.354	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	116634	19.108	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
Data File : VN054061.D
Acq On : 4 Mar 2019 12:17
Operator : JC/SP
Sample : VN0304WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:29:47 AM

Quant Time: Mar 04 23:35:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 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\VN030419\
Data File : VN054061.D
Acq On : 4 Mar 2019 12:17
Operator : JC/SP
Sample : VN0304WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBSD01

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:29:47 AM

Quant Time: Mar 04 23:35:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

