

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052597.D
 Acq On : 30 Nov 2018 10:55
 Operator : MD\SY
 Sample : VN1130WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:23 AM

Quant Time: Nov 30 11:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	166307	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	965368	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	844305	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	336174	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	382814	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	1162745	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	183153	19.337	ug/l 100
3) Chloromethane	2.06	50	241578	19.231	ug/l 99
4) Vinyl Chloride	2.19	62	251253	19.818	ug/l 96
5) Bromomethane	2.57	94	149167	20.635	ug/l 96
6) Chloroethane	2.71	64	151910	20.148	ug/l 98
7) Trichlorofluoromethane	3.02	101	316035	20.198	ug/l 100
8) Diethyl Ether	3.41	74	116445	20.155	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	195992	19.759	ug/l 98
10) 1,1-Dichloroethene	3.74	96	187251	20.078	ug/l 98
11) Methyl Iodide	3.96	142	267670	20.672	ug/l 99
12) Methyl Acetate	4.33	43	163973	20.693	ug/l 97
13) Acrolein	3.61	56	119951	128.867	ug/l 99
14) Acrylonitrile	4.99	53	343244	101.662	ug/l 98
15) Acetone	3.82	58	91704	104.878	ug/l 97
16) Carbon Disulfide	4.06	76	556473	18.847	ug/l 99
17) Allyl chloride	4.33	41	300542	18.478	ug/l 97
18) Methylene Chloride	4.55	84	219062	20.287	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	203504	20.276	ug/l 96
20) Diisopropyl ether	5.95	45	682257	19.961	ug/l 99
21) 1,1-Dichloroethane	5.85	63	392198	20.133	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	234697	20.404	ug/l 99
23) tert-Butyl Alcohol	4.78	59	58257	115.990	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	514757	21.040	ug/l 97
25) Chloroform	7.37	83	378821	20.157	ug/l 99
26) Cyclohexane	7.65	56	351924	19.154	ug/l 100
29) 1,1-Dichloropropene	7.79	75	296925	20.141	ug/l 99
30) 2-Butanone	6.84	43	407990	103.426	ug/l 99
31) 2,2-Dichloropropane	6.83	77	275663	20.311	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	314752	20.519	ug/l 98
33) Carbon Tetrachloride	7.78	117	270898	20.183	ug/l 99
34) Benzene	8.04	78	892401	20.134	ug/l 98
35) Methacrylonitrile	7.17	41	89158	18.217	ug/l 96
36) 1,2-Dichloroethane	8.13	62	275058	20.479	ug/l 100
37) Trichloroethene	8.84	130	232317	20.670	ug/l 96
38) Methylcyclohexane	9.08	83	352543	19.318	ug/l 98
39) 1,2-Dichloropropane	9.12	63	234024	19.697	ug/l 97
40) Dibromomethane	9.21	93	133331	20.767	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052597.D
 Acq On : 30 Nov 2018 10:55
 Operator : MD\SY
 Sample : VN1130WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:23 AM

Quant Time: Nov 30 11:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	283287	19.971	ug/l	97
42) Vinyl Acetate	5.90	43	2128600	99.730	ug/l	99
43) Ethyl Acetate	6.93	43	175386	20.909	ug/l #	71
44) Isopropyl Acetate	8.17	43	314747	21.395	ug/l	98
45) 1,4-Dioxane	9.20	88	37962	471.699	ug/l	95
46) Methyl methacrylate	9.20	41	156524	20.492	ug/l	98
47) n-amyl Acetate	12.07	43	243394	19.954	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	270910	19.697	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	328542	19.606	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	188578	20.721	ug/l	99
51) Ethyl methacrylate	10.43	69	234861	20.547	ug/l	97
52) 1,3-Dichloropropane	10.71	76	329748	20.356	ug/l	99
53) Dibromochloromethane	10.90	129	203947	20.354	ug/l	98
54) 1,2-Dibromoethane	11.01	107	187161	21.045	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	662793	99.061	ug/l	98
56) Bromoform	12.13	173	132093	20.169	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	871600	106.483	ug/l	99
59) 2-Hexanone	10.75	43	591022	105.700	ug/l	98
61) Tetrachloroethene	10.63	164	222164	21.365	ug/l	97
62) Toluene	10.16	91	947224	20.351	ug/l	99
64) Chlorobenzene	11.44	112	580528	20.435	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	203237	20.610	ug/l	98
66) Ethyl Benzene	11.51	91	1013047	20.195	ug/l	98
67) m/p-Xylenes	11.62	106	766328	41.005	ug/l	98
68) o-Xylene	11.95	106	369588	20.375	ug/l	100
69) Styrene	11.97	104	590364	20.164	ug/l	99
70) Isopropylbenzene	12.25	105	996901	20.656	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	220243	20.978	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	180149m	19.989	ug/l	
73) Bromobenzene	12.53	156	242842	20.804	ug/l	96
74) n-propylbenzene	12.59	91	1121583	19.945	ug/l	98
75) 2-Chlorotoluene	12.68	91	672344	20.599	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	801802	20.568	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55660	19.551	ug/l	97
78) 4-Chlorotoluene	12.77	91	665595	20.420	ug/l	100
79) tert-butylbenzene	12.99	119	701993	20.678	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	811029	20.792	ug/l	99
81) sec-Butylbenzene	13.17	105	954771	20.191	ug/l	100
82) p-Isopropyltoluene	13.29	119	816577	20.280	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	417397	20.332	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	405323	20.435	ug/l	98
85) n-Butylbenzene	13.62	91	663702	19.189	ug/l	100
86) Hexachloroethane	13.88	117	131254	19.239	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	405314	20.747	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31151	21.182	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	191740	19.921	ug/l	100
90) Hexachlorobutadiene	15.01	225	131463	20.821	ug/l	99
91) Naphthalene	15.13	128	395315	20.338	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	183991	20.743	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052597.D
Acq On : 30 Nov 2018 10:55
Operator : MD\SY
Sample : VN1130WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:23 AM

Quant Time: Nov 30 11:17:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
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:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052597.D
Acq On : 30 Nov 2018 10:55
Operator : MD\SY
Sample : VN1130WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
Client Sample Id :
VN1130WBS01

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:23 AM

Quant Time: Nov 30 11:17:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

