

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055902.D
 Acq On : 30 May 2019 16:12
 Operator : JC/SP
 Sample : VN0530WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0530WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:40 AM

Quant Time: May 31 05:14:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50903	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	274039	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	236607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100923	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	106195	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	328150	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	41809	18.733 ug/l	98
3) Chloromethane	2.06	50	59386	18.707 ug/l	100
4) Vinyl Chloride	2.18	62	63216	19.511 ug/l	99
5) Bromomethane	2.54	94	45235m	23.846 ug/l	
6) Chloroethane	2.69	64	39480	20.858 ug/l	96
7) Trichlorofluoromethane	3.01	101	82834	20.378 ug/l	99
8) Diethyl Ether	3.40	74	37622	21.054 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52518	20.448 ug/l	98
10) 1,1-Dichloroethene	3.72	96	52764	19.638 ug/l	96
11) Methyl Iodide	3.94	142	76419	19.938 ug/l	97
12) Methyl Acetate	4.33	43	66437	20.218 ug/l	97
13) Acrolein	3.60	56	42636	93.379 ug/l	99
14) Acrylonitrile	4.99	53	149141	99.550 ug/l	99
15) Acetone	3.82	58	45832	98.505 ug/l	98
16) Carbon Disulfide	4.04	76	127125	16.502 ug/l	98
17) Allyl chloride	4.31	41	87773	18.138 ug/l	95
18) Methylene Chloride	4.54	84	62178	20.206 ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	57062	19.742 ug/l	97
20) Diisopropyl ether	5.95	45	182554	19.447 ug/l	100
21) 1,1-Dichloroethane	5.85	63	104722	19.739 ug/l	100
22) cis-1,2-Dichloroethene	6.82	96	67993	20.171 ug/l	96
23) tert-Butyl Alcohol	4.82	59	59390	90.265 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	177918	19.516 ug/l	100
25) Chloroform	7.37	83	104990	20.036 ug/l	97
26) Cyclohexane	7.65	56	93475	19.098 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	77297	20.149 ug/l	98
30) 2-Butanone	6.84	43	203344	99.446 ug/l	98
31) 2,2-Dichloropropane	6.82	77	81107	18.168 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	88353	19.431 ug/l	99
33) Carbon Tetrachloride	7.77	117	74125	18.223 ug/l	97
34) Benzene	8.04	78	242444	20.470 ug/l	100
35) Methacrylonitrile	7.17	41	34312	18.180 ug/l	97
36) 1,2-Dichloroethane	8.12	62	81688	21.105 ug/l	99
37) Trichloroethene	8.83	130	65709	19.884 ug/l	97
38) Methylcyclohexane	9.08	83	95466	19.641 ug/l	98
39) 1,2-Dichloropropane	9.12	63	63646	19.989 ug/l	97
40) Dibromomethane	9.21	93	42247	20.548 ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055902.D
 Acq On : 30 May 2019 16:12
 Operator : JC/SP
 Sample : VN0530WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0530WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:40 AM

Quant Time: May 31 05:14:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	78304	18.583	ug/l	98
42) Vinyl Acetate	5.90	43	764381	96.283	ug/l	100
43) Ethyl Acetate	6.93	43	82972	20.644	ug/l #	100
44) Isopropyl Acetate	8.17	43	126536	19.012	ug/l #	86
45) 1,4-Dioxane	9.20	88	26532	423.742	ug/l	93
46) Methyl methacrylate	9.20	41	60198	19.386	ug/l	98
47) n-amyl Acetate	12.07	43	99745	18.119	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	80878	17.388	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	94790	18.618	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	61583	20.575	ug/l	99
51) Ethyl methacrylate	10.43	69	91841	19.037	ug/l	99
52) 1,3-Dichloropropane	10.71	76	100265	20.323	ug/l	99
53) Dibromochloromethane	10.90	129	60581	17.133	ug/l	99
54) 1,2-Dibromoethane	11.01	107	63135	20.384	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	169962	90.544	ug/l	99
56) Bromoform	12.13	173	41635	14.355	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	398520	101.743	ug/l	99
59) 2-Hexanone	10.75	43	275145	98.257	ug/l	100
61) Tetrachloroethene	10.63	164	65386	20.414	ug/l	96
62) Toluene	10.16	91	266274	20.928	ug/l	100
64) Chlorobenzene	11.43	112	158753	20.568	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	59765	19.218	ug/l	99
66) Ethyl Benzene	11.51	91	284276	20.449	ug/l	98
67) m/p-Xylenes	11.62	106	213836	40.491	ug/l	99
68) o-Xylene	11.95	106	107181	20.509	ug/l	100
69) Styrene	11.96	104	169180	19.622	ug/l	99
70) Isopropylbenzene	12.25	105	279958	20.474	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	85861	20.404	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	75857m	20.945	ug/l	
73) Bromobenzene	12.53	156	71000	19.627	ug/l	99
74) n-propylbenzene	12.59	91	294321	19.958	ug/l	100
75) 2-Chlorotoluene	12.67	91	182100	20.215	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	228295	20.199	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20517	14.262	ug/l	84
78) 4-Chlorotoluene	12.77	91	165863	19.427	ug/l	100
79) tert-butylbenzene	12.99	119	202601	20.390	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	221799	19.768	ug/l	99
81) sec-Butylbenzene	13.17	105	257879	20.427	ug/l	99
82) p-Isopropyltoluene	13.29	119	227519	19.582	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	105990	18.691	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	97601	18.073	ug/l	99
85) n-Butylbenzene	13.61	91	161935	17.915	ug/l	99
86) Hexachloroethane	13.87	117	36259	15.866	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	109073	19.102	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13239	16.599	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43449	14.097	ug/l	99
90) Hexachlorobutadiene	15.01	225	38146	16.587	ug/l	97
91) Naphthalene	15.13	128	127561	15.147	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	50978	15.825	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
Data File : VN055902.D
Acq On : 30 May 2019 16:12
Operator : JC/SP
Sample : VN0530WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD02

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:40 AM

Quant Time: May 31 05:14:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 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:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055902.D
 Acq On : 30 May 2019 16:12
 Operator : JC/SP
 Sample : VN0530WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:40 AM

Quant Time: May 31 05:14:26 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

