

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059118.D
 Acq On : 7 Nov 2019 13:42
 Operator : JC/SP
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74077	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	416087	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	374573	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	177254	28.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.97%
60) 4-Bromofluorobenzene	12.40	95	187416	28.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.33%
63) Toluene-d8	10.08	98	534474	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	80057	19.946	ug/l 98
3) Chloromethane	2.04	50	113934	21.251	ug/l 99
4) Vinyl Chloride	2.17	62	115395	20.825	ug/l 98
5) Bromomethane	2.54	94	67471	19.722	ug/l 98
6) Chloroethane	2.68	64	69193	19.866	ug/l 99
7) Trichlorofluoromethane	3.00	101	145168	21.285	ug/l 97
8) Diethyl Ether	3.39	74	59618	22.919	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	88565	22.443	ug/l 97
10) 1,1-Dichloroethene	3.72	96	85061	21.946	ug/l 91
11) Methyl Iodide	3.93	142	105311	19.510	ug/l 96
12) Methyl Acetate	4.30	43	142855	23.037	ug/l 99
13) Acrolein	3.58	56	69592	101.569	ug/l 99
14) Acrylonitrile	4.95	53	286445	117.232	ug/l 97
15) Acetone	3.79	58	90793	125.182	ug/l 81
16) Carbon Disulfide	4.03	76	238411	21.089	ug/l 100
17) Allyl chloride	4.30	41	169552	21.979	ug/l 90
18) Methylene Chloride	4.52	84	101026	21.525	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	92060	21.818	ug/l 91
20) Diisopropyl ether	5.92	45	346946	22.074	ug/l 97
21) 1,1-Dichloroethane	5.82	63	189878	21.816	ug/l 99
22) cis-1,2-Dichloroethene	6.80	96	109007	21.668	ug/l 96
23) tert-Butyl Alcohol	4.75	59	114722	114.790	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	306651	21.208	ug/l 96
25) Chloroform	7.35	83	183495	21.139	ug/l 98
26) Cyclohexane	7.63	56	160628	21.027	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	132929	20.295	ug/l 98
30) 2-Butanone	6.81	43	399799	108.016	ug/l # 96
31) 2,2-Dichloropropane	6.79	77	154068	19.957	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	154683	20.419	ug/l 98
33) Carbon Tetrachloride	7.75	117	132056	20.139	ug/l 98
34) Benzene	8.02	78	410528	21.290	ug/l 98
35) Methacrylonitrile	7.15	41	56544	17.293	ug/l 87
36) 1,2-Dichloroethane	8.10	62	144124	19.549	ug/l 98
37) Trichloroethene	8.82	130	99934	21.096	ug/l 99
38) Methylcyclohexane	9.07	83	153044	20.153	ug/l 98
39) 1,2-Dichloropropane	9.10	63	114751	21.776	ug/l 96
40) Dibromomethane	9.19	93	68727	20.660	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059118.D
 Acq On : 7 Nov 2019 13:42
 Operator : JC/SP
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	141581	20.833	ug/l	99
42) Vinyl Acetate	5.87	43	1405439	108.421	ug/l	99
43) Ethyl Acetate	6.90	43	153315	21.104	ug/l	97
44) Isopropyl Acetate	8.15	43	242790	20.632	ug/l	91
45) 1,4-Dioxane	9.18	88	40707	450.504	ug/l	97
46) Methyl methacrylate	9.18	41	105494	19.528	ug/l	94
47) n-amyl Acetate	12.07	43	185678	17.800	ug/l	95
48) t-1,3-Dichloropropene	10.37	75	157616	19.997	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	173261	20.934	ug/l	95
50) 1,1,2-Trichloroethane	10.55	97	100316	21.123	ug/l	99
51) Ethyl methacrylate	10.42	69	149706	19.714	ug/l	95
52) 1,3-Dichloropropane	10.70	76	174506	20.633	ug/l	100
53) Dibromochloromethane	10.90	129	106495	20.895	ug/l	98
54) 1,2-Dibromoethane	11.00	107	103019	20.929	ug/l	98
55) 2-Chloroethyl vinyl ether	9.68	63	340113	90.040	ug/l	99
56) Bromoform	12.13	173	74365	20.946	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	777171	113.735	ug/l	99
59) 2-Hexanone	10.74	43	567414	105.920	ug/l	97
61) Tetrachloroethene	10.63	164	90600	22.383	ug/l	96
62) Toluene	10.15	91	431356	21.409	ug/l	99
64) Chlorobenzene	11.43	112	256303	20.806	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	99169	21.470	ug/l	97
66) Ethyl Benzene	11.51	91	459043	20.575	ug/l	100
67) m/p-Xylenes	11.62	106	339130	40.686	ug/l	99
68) o-Xylene	11.95	106	165768	20.515	ug/l	98
69) Styrene	11.96	104	261154	19.563	ug/l	98
70) Isopropylbenzene	12.25	105	443709	20.339	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	154120	20.985	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	137844m	20.713	ug/l	
73) Bromobenzene	12.53	156	105731	19.953	ug/l	98
74) n-propylbenzene	12.59	91	508337	19.907	ug/l	99
75) 2-Chlorotoluene	12.67	91	312443	20.336	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	373967	20.014	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51576	20.344	ug/l	93
78) 4-Chlorotoluene	12.77	91	302685	19.115	ug/l	98
79) tert-butylbenzene	12.99	119	320200	20.058	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	367969	19.818	ug/l	99
81) sec-Butylbenzene	13.17	105	420217	19.560	ug/l	99
82) p-Isopropyltoluene	13.29	119	372061	19.286	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	183543	19.142	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	173394	18.104	ug/l	97
85) n-Butylbenzene	13.62	91	307706	17.421	ug/l	100
86) Hexachloroethane	13.88	117	72202	20.565	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	183898	19.427	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30178	18.461	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	92516	15.478	ug/l	98
90) Hexachlorobutadiene	15.01	225	59973	19.431	ug/l	98
91) Naphthalene	15.13	128	250756	14.209	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	95546	16.422	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
Data File : VN059118.D
Acq On : 7 Nov 2019 13:42
Operator : JC/SP
Sample : VN1107WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

