

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064422.D
 Acq On : 2 Nov 2020 18:24
 Operator : JC/MD
 Sample : VN1102WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1102WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:57 PM

Quant Time: Nov 03 03:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54704	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	300527	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	268143	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	136219	30.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.67%
60) 4-Bromofluorobenzene	12.38	95	136139	30.04	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.13%
63) Toluene-d8	10.06	98	371335	31.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	63418	18.025 ug/l	97
3) Chloromethane	2.04	50	68418	18.824 ug/l	94
4) Vinyl Chloride	2.16	62	69792	18.611 ug/l	97
5) Bromomethane	2.53	94	45288	18.504 ug/l	92
6) Chloroethane	2.68	64	40893	18.687 ug/l	96
7) Trichlorofluoromethane	2.99	101	117168	18.861 ug/l	94
8) Diethyl Ether	3.38	74	33644	17.652 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56216	18.182 ug/l	90
10) 1,1-Dichloroethene	3.70	96	53335	18.023 ug/l	89
11) Methyl Iodide	3.91	142	67193	16.916 ug/l	97
12) Methyl Acetate	4.28	43	57019	18.412 ug/l	93
13) Acrolein	3.57	56	29455	98.537 ug/l	98
14) Acrylonitrile	4.93	53	125007	89.718 ug/l	95
15) Acetone	3.78	58	36259	75.104 ug/l	91
16) Carbon Disulfide	4.01	76	150735	17.947 ug/l	98
17) Allyl chloride	4.28	41	90816	17.496 ug/l	97
18) Methylene Chloride	4.51	84	61881	18.071 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	58435m	17.940 ug/l	
20) Diisopropyl ether	5.90	45	202548	18.235 ug/l	98
21) 1,1-Dichloroethane	5.79	63	114569	18.288 ug/l	95
22) cis-1,2-Dichloroethene	6.78	96	66859	17.322 ug/l	94
23) tert-Butyl Alcohol	4.73	59	46619	88.106 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	190126	17.953 ug/l	# 61
25) Chloroform	7.33	83	122353	18.233 ug/l	97
26) Cyclohexane	7.61	56	90442	18.228 ug/l	# 98
29) 1,1-Dichloropropene	7.75	75	89998	18.614 ug/l	85
30) 2-Butanone	6.78	43	181554	82.710 ug/l	98
31) 2,2-Dichloropropane	6.78	77	109906	18.517 ug/l	# 81
32) 1,1,1-Trichloroethane	7.53	97	116115	18.320 ug/l	99
33) Carbon Tetrachloride	7.73	117	104731	18.342 ug/l	96
34) Benzene	8.00	78	246342	17.982 ug/l	97
35) Methacrylonitrile	7.12	41	44847	20.666 ug/l	91
36) 1,2-Dichloroethane	8.09	62	107177	18.918 ug/l	99
37) Trichloroethene	8.80	130	67990	17.678 ug/l	100
38) Methylcyclohexane	9.05	83	77543	17.682 ug/l	96
39) 1,2-Dichloropropane	9.08	63	64187	18.262 ug/l	99
40) Dibromomethane	9.17	93	47118	18.497 ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064422.D
 Acq On : 2 Nov 2020 18:24
 Operator : JC/MD
 Sample : VN1102WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1102WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:57 PM

Quant Time: Nov 03 03:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.37	83	96432	17.922	ug/l	97
42) Vinyl Acetate	5.84	43	849659	91.434	ug/l	100
43) Ethyl Acetate	6.88	43	80328	18.898	ug/l #	89
44) Isopropyl Acetate	8.12	43	142210m	18.808	ug/l	
45) 1,4-Dioxane	9.16	88	19669	370.706	ug/l	98
46) Methyl methacrylate	9.16	41	71049	19.033	ug/l	94
47) n-amyl Acetate	12.04	43	114165	17.752	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	105269	17.728	ug/l	99
49) cis-1,3-Dichloropropene	9.80	75	109823	17.874	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	63090	18.446	ug/l	90
51) Ethyl methacrylate	10.40	69	87212	17.750	ug/l	95
52) 1,3-Dichloropropane	10.68	76	107002	18.552	ug/l	99
53) Dibromochloromethane	10.87	129	73752	17.555	ug/l	96
54) 1,2-Dibromoethane	10.97	107	65637	17.929	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	229741	86.999	ug/l	100
56) Bromoform	12.10	173	50767	17.132	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	403033	94.960	ug/l	99
59) 2-Hexanone	10.72	43	283446	89.728	ug/l	98
61) Tetrachloroethene	10.60	164	69422	19.099	ug/l	98
62) Toluene	10.12	91	279391	18.602	ug/l	98
64) Chlorobenzene	11.41	112	174042	18.510	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	67932	18.596	ug/l	99
66) Ethyl Benzene	11.48	91	304596	18.379	ug/l	98
67) m/p-Xylenes	11.59	106	230504	36.977	ug/l	97
68) o-Xylene	11.92	106	111376	18.540	ug/l	97
69) Styrene	11.94	104	180347	18.005	ug/l	98
70) Isopropylbenzene	12.22	105	287867	18.523	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	81081	18.761	ug/l	96
72) 1,2,3-Trichloropropane	12.52	75	80241m	17.783	ug/l	
73) Bromobenzene	12.50	156	73911	18.329	ug/l	97
74) n-propylbenzene	12.56	91	307216	18.028	ug/l	99
75) 2-Chlorotoluene	12.65	91	196491	18.202	ug/l	95
76) 1,3,5-Trimethylbenzene	12.70	105	236517	18.475	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	27491	17.282	ug/l	98
78) 4-Chlorotoluene	12.75	91	202548	18.161	ug/l	96
79) tert-butylbenzene	12.96	119	189348	18.492	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	232798	17.947	ug/l	99
81) sec-Butylbenzene	13.14	105	231614	17.933	ug/l	98
82) p-Isopropyltoluene	13.26	119	212189	17.879	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	120490	17.588	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	119245	17.281	ug/l	96
85) n-Butylbenzene	13.59	91	163095	17.217	ug/l	98
86) Hexachloroethane	13.85	117	40440	18.171	ug/l	94
87) 1,2-Dichlorobenzene	13.62	146	123993	18.747	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18039	19.377	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	52731	16.304	ug/l	95
90) Hexachlorobutadiene	14.98	225	30775	17.878	ug/l	98
91) Naphthalene	15.10	128	157402	16.382	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	51612	16.138	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064422.D
Acq On : 2 Nov 2020 18:24
Operator : JC/MD
Sample : VN1102WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:57 PM

Quant Time: Nov 03 03:23:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 03 02:03:38 2020
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\VN110220\
Data File : VN064422.D
Acq On : 2 Nov 2020 18:24
Operator : JC/MD
Sample : VN1102WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN1102WBSD01

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:57 PM

Quant Time: Nov 03 03:23:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 03 02:03:38 2020
Response via : Initial Calibration

