

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064294.D
 Acq On : 23 Oct 2020 18:30
 Operator : JC/MD
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:12 PM

Quant Time: Oct 26 02:37:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	52121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	309441	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	272633	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	147546	32.43	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.10%
60) 4-Bromofluorobenzene	12.38	95	147946	30.49	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.63%
63) Toluene-d8	10.06	98	368890	30.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	70079	20.668	ug/l 94
3) Chloromethane	2.04	50	68092	19.014	ug/l 98
4) Vinyl Chloride	2.16	62	66393	18.456	ug/l 99
5) Bromomethane	2.54	94	42693	18.079	ug/l 95
6) Chloroethane	2.67	64	41449	19.647	ug/l 94
7) Trichlorofluoromethane	2.99	101	120525	19.807	ug/l 99
8) Diethyl Ether	3.38	74	36519	18.212	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57970	19.112	ug/l 94
10) 1,1-Dichloroethene	3.70	96	54905	18.878	ug/l 94
11) Methyl Iodide	3.92	142	74231	17.812	ug/l 99
12) Methyl Acetate	4.28	43	64658	19.011	ug/l 100
13) Acrolein	3.57	56	19210	68.832	ug/l 98
14) Acrylonitrile	4.93	53	121528	92.329	ug/l 100
15) Acetone	3.77	58	38935	92.409	ug/l 94
16) Carbon Disulfide	4.01	76	151665	17.999	ug/l # 93
17) Allyl chloride	4.28	41	109647	19.666	ug/l 89
18) Methylene Chloride	4.51	84	65107	19.147	ug/l 91
19) trans-1,2-Dichloroethene	5.00	96	59997	18.147	ug/l 97
20) Diisopropyl ether	5.90	45	201869	19.000	ug/l 98
21) 1,1-Dichloroethane	5.80	63	121285	19.141	ug/l 96
22) cis-1,2-Dichloroethene	6.78	96	72686	19.165	ug/l # 88
23) tert-Butyl Alcohol	4.73	59	57267	93.831	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	193125	19.119	ug/l # 76
25) Chloroform	7.33	83	125854	18.351	ug/l 99
26) Cyclohexane	7.61	56	91451	18.610	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	93986	17.570	ug/l 98
30) 2-Butanone	6.78	43	214780	91.421	ug/l # 97
31) 2,2-Dichloropropane	6.78	77	118691	17.728	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	124071	18.152	ug/l 96
33) Carbon Tetrachloride	7.74	117	109048	17.809	ug/l 96
34) Benzene	8.00	78	254513	17.410	ug/l 98
35) Methacrylonitrile	7.13	41	42120	17.783	ug/l 93
36) 1,2-Dichloroethane	8.08	62	112737	18.088	ug/l 99
37) Trichloroethene	8.80	130	71429	17.755	ug/l 90
38) Methylcyclohexane	9.05	83	83316	17.060	ug/l 98
39) 1,2-Dichloropropane	9.09	63	68565	17.544	ug/l 98
40) Dibromomethane	9.17	93	51649	18.890	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064294.D
 Acq On : 23 Oct 2020 18:30
 Operator : JC/MD
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:12 PM

Quant Time: Oct 26 02:37:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	104780	17.671	ug/l	88
42) Vinyl Acetate	5.85	43	921749	88.954	ug/l	99
43) Ethyl Acetate	6.88	43	76860	15.454	ug/l #	84
44) Isopropyl Acetate	8.13	43	157748	17.684	ug/l #	84
45) 1,4-Dioxane	9.16	88	20260	371.885	ug/l	89
46) Methyl methacrylate	9.17	41	77990	18.082	ug/l	97
47) n-amyl Acetate	12.05	43	135230	17.570	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	117776	17.792	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	121003	17.600	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	64435	17.890	ug/l #	94
51) Ethyl methacrylate	10.40	69	96547	17.427	ug/l	90
52) 1,3-Dichloropropane	10.68	76	114107	17.917	ug/l	99
53) Dibromochloromethane	10.87	129	77386	17.197	ug/l	92
54) 1,2-Dibromoethane	10.98	107	69359	18.021	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	251963	93.609	ug/l	99
56) Bromoform	12.10	173	53216	16.726	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	446279	94.978	ug/l	100
59) 2-Hexanone	10.72	43	330621	92.802	ug/l	98
61) Tetrachloroethene	10.60	164	69839	18.334	ug/l	97
62) Toluene	10.13	91	282608	18.007	ug/l	98
64) Chlorobenzene	11.41	112	176475	18.127	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	71731	18.445	ug/l	99
66) Ethyl Benzene	11.48	91	326669	18.155	ug/l	98
67) m/p-Xylenes	11.59	106	244908	36.703	ug/l	99
68) o-Xylene	11.92	106	115325	17.799	ug/l	98
69) Styrene	11.94	104	194957	18.071	ug/l	99
70) Isopropylbenzene	12.22	105	318597	18.599	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	86311	18.784	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	85938m	18.011	ug/l	
73) Bromobenzene	12.50	156	72998	17.518	ug/l	97
74) n-propylbenzene	12.57	91	355918	18.108	ug/l	98
75) 2-Chlorotoluene	12.65	91	223084	18.381	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	269090	18.534	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	31933	17.307	ug/l	83
78) 4-Chlorotoluene	12.75	91	232830	18.400	ug/l	100
79) tert-butylbenzene	12.97	119	211851	17.854	ug/l	94
80) 1,2,4-Trimethylbenzene	13.01	105	267137	18.129	ug/l	99
81) sec-Butylbenzene	13.14	105	275384	17.878	ug/l	96
82) p-Isopropyltoluene	13.26	119	251659	17.804	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	131143	17.843	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	134383	17.956	ug/l	99
85) n-Butylbenzene	13.59	91	218892	17.599	ug/l	97
86) Hexachloroethane	13.85	117	42166	17.667	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	129256	18.024	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20736	18.520	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	69533	16.997	ug/l	94
90) Hexachlorobutadiene	14.98	225	38790	17.317	ug/l	98
91) Naphthalene	15.10	128	209973	17.552	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	67705	17.258	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064294.D
Acq On : 23 Oct 2020 18:30
Operator : JC/MD
Sample : VN1023WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:12 PM

Quant Time: Oct 26 02:37:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 01:30:11 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\VN102320\  
Data File : VN064294.D  
Acq On    : 23 Oct 2020   18:30  
Operator  : JC/MD  
Sample    : VN1023WBS01  
Misc      : 5.00mL/MSVOA N/WATER  
ALS Vial  : 17      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Manual Integrations APPROVED

MMDadoda
10/26/2020 1:39:12 PM

Quant Time: Oct 26 02:37:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 01:30:11 2020
Response via : Initial Calibration

