

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061400.D
 Acq On : 14 May 2020 18:07
 Operator : JC/MD
 Sample : VN0514WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18025	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	110165	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	101087	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	51065	31.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.47%
60) 4-Bromofluorobenzene	12.38	95	51271	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	10.06	98	140491	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15881	19.350 ug/l	98
3) Chloromethane	2.03	50	31558	21.031 ug/l	100
4) Vinyl Chloride	2.16	62	41945	20.853 ug/l	98
5) Bromomethane	2.54	94	21399	20.944 ug/l	99
6) Chloroethane	2.68	64	27980	20.559 ug/l	99
7) Trichlorofluoromethane	2.98	101	42568	19.773 ug/l	98
8) Diethyl Ether	3.37	74	13800	20.155 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	18753	20.392 ug/l	94
10) 1,1-Dichloroethene	3.70	96	19229	19.861 ug/l	98
11) Methyl Iodide	3.91	142	21886	20.887 ug/l	99
12) Methyl Acetate	4.28	43	23852	20.285 ug/l	99
13) Acrolein	3.56	56	18085	91.345 ug/l	98
14) Acrylonitrile	4.93	53	55648	100.822 ug/l	97
15) Acetone	3.77	58	13417	101.229 ug/l	95
16) Carbon Disulfide	4.01	76	59417	21.831 ug/l	100
17) Allyl chloride	4.28	41	41913	21.507 ug/l	99
18) Methylene Chloride	4.50	84	23114	19.782 ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	22629	19.639 ug/l	93
20) Diisopropyl ether	5.90	45	90348	19.915 ug/l	98
21) 1,1-Dichloroethane	5.80	63	47324	19.977 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	26437	19.567 ug/l	95
23) tert-Butyl Alcohol	4.73	59	21876	123.647 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	77714	19.778 ug/l	96
25) Chloroform	7.33	83	45384	19.763 ug/l	98
26) Cyclohexane	7.61	56	45014	19.900 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	36257	18.755 ug/l	99
30) 2-Butanone	6.79	43	78490	95.981 ug/l	99
31) 2,2-Dichloropropane	6.78	77	42457	18.799 ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	40309	18.636 ug/l	98
33) Carbon Tetrachloride	7.73	117	30755	18.524 ug/l	97
34) Benzene	8.00	78	102799	18.796 ug/l	100
35) Methacrylonitrile	7.13	41	16892	20.594 ug/l	96
36) 1,2-Dichloroethane	8.09	62	39628	18.875 ug/l	100
37) Trichloroethene	8.80	130	25109	18.646 ug/l	98
38) Methylcyclohexane	9.05	83	42395	18.268 ug/l	95
39) 1,2-Dichloropropane	9.08	63	28331	18.843 ug/l	97
40) Dibromomethane	9.17	93	17508	18.853 ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061400.D
 Acq On : 14 May 2020 18:07
 Operator : JC/MD
 Sample : VN0514WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.37	83	37511	18.619	ug/l	100
42) Vinyl Acetate	5.84	43	367150	94.542	ug/l	100
43) Ethyl Acetate	6.88	43	32463	18.585	ug/l #	91
44) Isopropyl Acetate	8.13	43	63557	18.740	ug/l	98
45) 1,4-Dioxane	9.16	88	7180	536.467	ug/l	95
46) Methyl methacrylate	9.17	41	29162	18.285	ug/l	96
47) n-amyl Acetate	12.04	43	55632	18.391	ug/l	97
48) t-1,3-Dichloropropene	10.36	75	43848	18.443	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	46540	18.507	ug/l	96
50) 1,1,2-Trichloroethane	10.54	97	24326	18.944	ug/l	98
51) Ethyl methacrylate	10.40	69	40528	18.320	ug/l	94
52) 1,3-Dichloropropane	10.68	76	44104	18.810	ug/l	99
53) Dibromochloromethane	10.88	129	25478	18.108	ug/l	99
54) 1,2-Dibromoethane	10.98	107	24478	18.475	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	89632	91.549	ug/l	99
56) Bromoform	12.10	173	15907	17.978	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	175966	95.527	ug/l	98
59) 2-Hexanone	10.72	43	126395	97.006	ug/l	99
61) Tetrachloroethene	10.60	164	22786	18.025	ug/l	96
62) Toluene	10.12	91	110703	18.887	ug/l	99
64) Chlorobenzene	11.41	112	64717	18.655	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	23541	18.571	ug/l	98
66) Ethyl Benzene	11.48	91	123950	18.427	ug/l	100
67) m/p-Xylenes	11.60	106	90668	36.501	ug/l	99
68) o-Xylene	11.92	106	44564	18.798	ug/l	99
69) Styrene	11.94	104	74180	18.185	ug/l	98
70) Isopropylbenzene	12.22	105	117343	18.268	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	32933	18.559	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	30876m	18.243	ug/l	
73) Bromobenzene	12.50	156	24013	17.998	ug/l	90
74) n-propylbenzene	12.57	91	139417	18.255	ug/l	99
75) 2-Chlorotoluene	12.65	91	81102	18.518	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	97696	18.124	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	13247	18.806	ug/l	98
78) 4-Chlorotoluene	12.75	91	81930	17.865	ug/l	99
79) tert-butylbenzene	12.97	119	81798	18.268	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	97505	18.122	ug/l	100
81) sec-Butylbenzene	13.15	105	113147	18.342	ug/l	99
82) p-Isopropyltoluene	13.26	119	99708	17.950	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	44212	17.830	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	44627	18.185	ug/l	98
85) n-Butylbenzene	13.59	91	92432	17.974	ug/l	98
86) Hexachloroethane	13.85	117	14140	18.261	ug/l	85
87) 1,2-Dichlorobenzene	13.63	146	42990	18.277	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7017	18.553	ug/l	95
89) 1,2,4-Trichlorobenzene	14.89	180	24137	17.861	ug/l	99
90) Hexachlorobutadiene	14.99	225	10324	18.753	ug/l	99
91) Naphthalene	15.11	128	77084	18.135	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	24338	18.542	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
Data File : VN061400.D
Acq On : 14 May 2020 18:07
Operator : JC/MD
Sample : VN0514WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBSD01

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 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:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061400.D
 Acq On : 14 May 2020 18:07
 Operator : JC/MD
 Sample : VN0514WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:57 PM

Quant Time: May 15 07:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

