

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061399.D
 Acq On : 14 May 2020 17:43
 Operator : JC/MD
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:51 PM

Quant Time: May 15 07:12:10 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	17970	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	107355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	97819	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50120	31.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.80%
60) 4-Bromofluorobenzene	12.37	95	49459	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.06	98	136805	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15979	19.529	ug/l 96
3) Chloromethane	2.03	50	32047	21.422	ug/l 98
4) Vinyl Chloride	2.16	62	43926	21.904	ug/l 97
5) Bromomethane	2.54	94	21746	21.349	ug/l 100
6) Chloroethane	2.68	64	29158	21.490	ug/l 97
7) Trichlorofluoromethane	2.98	101	44077	20.537	ug/l 98
8) Diethyl Ether	3.37	74	13795	20.209	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	19265	21.013	ug/l 95
10) 1,1-Dichloroethene	3.70	96	19606	20.312	ug/l 98
11) Methyl Iodide	3.91	142	23151	22.161	ug/l 95
12) Methyl Acetate	4.27	43	24965	21.296	ug/l 99
13) Acrolein	3.57	56	18637	94.422	ug/l 100
14) Acrylonitrile	4.93	53	57345	104.215	ug/l 99
15) Acetone	3.78	58	15012	113.609	ug/l 89
16) Carbon Disulfide	4.01	76	60695	22.369	ug/l 99
17) Allyl chloride	4.28	41	43579	22.430	ug/l 95
18) Methylene Chloride	4.51	84	24183	20.760	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	22644	19.712	ug/l 96
20) Diisopropyl ether	5.90	45	93122	20.589	ug/l 95
21) 1,1-Dichloroethane	5.80	63	49776	21.076	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	27875	20.695	ug/l 97
23) tert-Butyl Alcohol	4.73	59	23049	130.676	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	81226	20.735	ug/l # 80
25) Chloroform	7.33	83	47329	20.674	ug/l 97
26) Cyclohexane	7.61	56	46652	20.687	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	38202	20.278	ug/l 98
30) 2-Butanone	6.79	43	85427	107.198	ug/l 98
31) 2,2-Dichloropropane	6.77	77	44952	20.424	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	41865	19.862	ug/l 98
33) Carbon Tetrachloride	7.73	117	31686	19.584	ug/l 98
34) Benzene	8.00	78	106396	19.963	ug/l 96
35) Methacrylonitrile	7.13	41	18919	23.669	ug/l 96
36) 1,2-Dichloroethane	8.09	62	42067	20.562	ug/l 100
37) Trichloroethene	8.80	130	26482	20.180	ug/l 100
38) Methylcyclohexane	9.05	83	45184	19.980	ug/l 96
39) 1,2-Dichloropropane	9.08	63	30277	20.664	ug/l 99
40) Dibromomethane	9.18	93	18404	20.336	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061399.D
 Acq On : 14 May 2020 17:43
 Operator : JC/MD
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:51 PM

Quant Time: May 15 07:12:10 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	39386	20.061	ug/l	99
42) Vinyl Acetate	5.84	43	383266	101.275	ug/l	100
43) Ethyl Acetate	6.88	43	36134	21.228	ug/l #	93
44) Isopropyl Acetate	8.13	43	68134	20.616	ug/l	100
45) 1,4-Dioxane	9.17	88	7599	582.635	ug/l	96
46) Methyl methacrylate	9.17	41	31253	20.109	ug/l	97
47) n-amyl Acetate	12.04	43	57878	19.634	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	46048	19.875	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	48997	19.994	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	25415	20.310	ug/l	98
51) Ethyl methacrylate	10.40	69	42885	19.893	ug/l	92
52) 1,3-Dichloropropane	10.68	76	46814	20.489	ug/l	99
53) Dibromochloromethane	10.87	129	26284	19.170	ug/l	99
54) 1,2-Dibromoethane	10.98	107	25451	19.712	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	96321	100.956	ug/l	99
56) Bromoform	12.10	173	16815	19.501	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	187298	105.075	ug/l	99
59) 2-Hexanone	10.72	43	133991	106.271	ug/l	100
61) Tetrachloroethene	10.60	164	24511	20.038	ug/l	95
62) Toluene	10.13	91	115202	20.311	ug/l	99
64) Chlorobenzene	11.41	112	67685	20.162	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	24399	19.891	ug/l	99
66) Ethyl Benzene	11.48	91	131160	20.150	ug/l	100
67) m/p-Xylenes	11.59	106	96226	40.033	ug/l	98
68) o-Xylene	11.92	106	45838	19.981	ug/l	98
69) Styrene	11.94	104	77755	19.698	ug/l	99
70) Isopropylbenzene	12.22	105	123843	19.924	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	34820	20.278	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	32271m	19.704	ug/l	
73) Bromobenzene	12.50	156	25352	19.637	ug/l	93
74) n-propylbenzene	12.57	91	145901	19.742	ug/l	99
75) 2-Chlorotoluene	12.65	91	84385	19.911	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	103987	19.936	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	13544	19.870	ug/l	99
78) 4-Chlorotoluene	12.75	91	86394	19.467	ug/l	99
79) tert-butylbenzene	12.97	119	87335	20.156	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	102939	19.771	ug/l	99
81) sec-Butylbenzene	13.15	105	118582	19.866	ug/l	100
82) p-Isopropyltoluene	13.26	119	103516	19.258	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	46033	19.185	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	45803	19.287	ug/l	98
85) n-Butylbenzene	13.59	91	95970	19.286	ug/l	98
86) Hexachloroethane	13.85	117	14375	19.185	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	45292	19.899	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7670	20.958	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	24526	18.755	ug/l	99
90) Hexachlorobutadiene	14.99	225	10852	20.371	ug/l	98
91) Naphthalene	15.11	128	79562	19.343	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	24453	19.253	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
Data File : VN061399.D
Acq On : 14 May 2020 17:43
Operator : JC/MD
Sample : VN0514WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0514WBS01

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:10:51 PM

Quant Time: May 15 07:12:10 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 : VN061399.D
 Acq On : 14 May 2020 17:43
 Operator : JC/MD
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:51 PM

Quant Time: May 15 07:12:10 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

