

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055259.D
 Acq On : 25 Apr 2019 22:38
 Operator : JC/SP
 Sample : VN0426WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:58:15 AM

Quant Time: Apr 26 05:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68934	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	375828	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319653	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	160674	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	142201	28.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.60%
63) Toluene-d8	10.09	98	456129	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72870	19.383	ug/l 99
3) Chloromethane	2.06	50	104916	19.955	ug/l 95
4) Vinyl Chloride	2.19	62	88750	20.712	ug/l 98
5) Bromomethane	2.56	94	50387	21.107	ug/l 99
6) Chloroethane	2.70	64	49731	20.834	ug/l 100
7) Trichlorofluoromethane	3.02	101	128440	20.389	ug/l 98
8) Diethyl Ether	3.41	74	52101	20.374	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79579	19.848	ug/l 98
10) 1,1-Dichloroethene	3.74	96	76379	20.462	ug/l 95
11) Methyl Iodide	3.95	142	114125	19.442	ug/l 96
12) Methyl Acetate	4.33	43	106709	19.696	ug/l 92
13) Acrolein	3.61	56	21125	87.651	ug/l # 45
14) Acrylonitrile	4.99	53	187651	97.512	ug/l 99
15) Acetone	3.82	58	40560	87.489	ug/l 97
16) Carbon Disulfide	4.06	76	196286	19.347	ug/l 100
17) Allyl chloride	4.33	41	147843	18.392	ug/l 98
18) Methylene Chloride	4.56	84	93402	20.155	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	84493	20.776	ug/l 96
20) Diisopropyl ether	5.95	45	339372	20.708	ug/l 97
21) 1,1-Dichloroethane	5.85	63	174023	20.434	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	98278	20.859	ug/l 93
23) tert-Butyl Alcohol	4.79	59	36399	92.646	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	244859	20.130	ug/l 100
25) Chloroform	7.37	83	166942	20.861	ug/l 95
26) Cyclohexane	7.65	56	147741	19.975	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	118618	19.915	ug/l 99
30) 2-Butanone	6.84	43	224635	93.062	ug/l 100
31) 2,2-Dichloropropane	6.83	77	102635	18.193	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	134530	20.318	ug/l 100
33) Carbon Tetrachloride	7.77	117	112608	20.397	ug/l 97
34) Benzene	8.04	78	364789	20.457	ug/l 98
35) Methacrylonitrile	7.19	41	55441m	19.915	ug/l
36) 1,2-Dichloroethane	8.13	62	128685	20.230	ug/l 100
37) Trichloroethene	8.84	130	89883	19.972	ug/l 97
38) Methylcyclohexane	9.08	83	123883	19.441	ug/l 98
39) 1,2-Dichloropropane	9.12	63	104496	20.471	ug/l 99
40) Dibromomethane	9.21	93	58765	19.869	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055259.D
 Acq On : 25 Apr 2019 22:38
 Operator : JC/SP
 Sample : VN0426WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0426WBS01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:15 AM

Quant Time: Apr 26 05:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	121820	20.252	ug/l	96
42) Vinyl Acetate	5.90	43	1118202	96.737	ug/l	100
43) Ethyl Acetate	6.93	43	87508	17.493	ug/l	95
44) Isopropyl Acetate	8.17	43	169923	18.459	ug/l	97
45) 1,4-Dioxane	9.20	88	18604	389.963	ug/l	98
46) Methyl methacrylate	9.20	41	80487	18.570	ug/l	93
47) n-amyl Acetate	12.07	43	108460	16.563	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	107633	18.185	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	131372	19.132	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	80489	19.965	ug/l	98
51) Ethyl methacrylate	10.43	69	101311	18.484	ug/l	99
52) 1,3-Dichloropropane	10.71	76	141959	19.887	ug/l	100
53) Dibromochloromethane	10.90	129	80363	19.275	ug/l	99
54) 1,2-Dibromoethane	11.01	107	74470	19.038	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	144186	87.278	ug/l	99
56) Bromoform	12.13	173	48855	17.879	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	485209	97.229	ug/l	98
59) 2-Hexanone	10.75	43	297426	93.101	ug/l	99
61) Tetrachloroethene	10.63	164	88936	21.441	ug/l	99
62) Toluene	10.16	91	376117	20.797	ug/l	99
64) Chlorobenzene	11.43	112	220099	20.542	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	81887	20.488	ug/l	100
66) Ethyl Benzene	11.51	91	392258	20.406	ug/l	99
67) m/p-Xylenes	11.62	106	286645	40.722	ug/l	100
68) o-Xylene	11.95	106	143852	20.476	ug/l	94
69) Styrene	11.96	104	211846	19.465	ug/l	100
70) Isopropylbenzene	12.25	105	382616	20.690	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	99720	19.565	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	88271m	19.978	ug/l	
73) Bromobenzene	12.53	156	87813	19.976	ug/l	98
74) n-propylbenzene	12.59	91	407034	19.723	ug/l	99
75) 2-Chlorotoluene	12.67	91	256442	20.257	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	301689	19.879	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19738	16.784	ug/l	94
78) 4-Chlorotoluene	12.77	91	232796	19.344	ug/l	98
79) tert-butylbenzene	12.99	119	265000	20.272	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285795	19.531	ug/l	99
81) sec-Butylbenzene	13.17	105	339267	19.633	ug/l	100
82) p-Isopropyltoluene	13.29	119	274096	19.121	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	131468	18.436	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	120731	17.938	ug/l	97
85) n-Butylbenzene	13.61	91	185546	16.977	ug/l	100
86) Hexachloroethane	13.87	117	46741	19.115	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	136853	19.179	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12262	16.436	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	39163	13.871	ug/l	96
90) Hexachlorobutadiene	15.01	225	43581	18.230	ug/l	98
91) Naphthalene	15.13	128	86443	13.250	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	45413	15.417	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055259.D
Acq On : 25 Apr 2019 22:38
Operator : JC/SP
Sample : VN0426WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:58:15 AM

Quant Time: Apr 26 05:38:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 05:19:18 2019
Response via : Initial Calibration

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

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

