

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056624.D
 Acq On : 9 Jul 2019 12:57
 Operator : JC/SP
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:05 AM

Quant Time: Jul 09 13:41:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53327	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	290976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	253517	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	107450	29.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.43%
60) 4-Bromofluorobenzene	12.40	95	115649	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.09	98	356887	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	50559	18.906	ug/l 97
3) Chloromethane	2.06	50	70093	18.059	ug/l 97
4) Vinyl Chloride	2.18	62	69585	19.049	ug/l 97
5) Bromomethane	2.53	94	40743	20.904	ug/l 98
6) Chloroethane	2.68	64	39147	19.351	ug/l 94
7) Trichlorofluoromethane	3.00	101	89922	19.177	ug/l 95
8) Diethyl Ether	3.41	74	37333	18.770	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55831	18.792	ug/l 87
10) 1,1-Dichloroethene	3.73	96	54424	18.670	ug/l 94
11) Methyl Iodide	3.95	142	68657	16.470	ug/l 99
12) Methyl Acetate	4.32	43	72847	18.530	ug/l 99
13) Acrolein	3.60	56	31109	81.050	ug/l 98
14) Acrylonitrile	4.98	53	160846	93.184	ug/l 98
15) Acetone	3.82	58	45197	93.845	ug/l 97
16) Carbon Disulfide	4.05	76	131626	18.779	ug/l 99
17) Allyl chloride	4.32	41	95803	18.780	ug/l 98
18) Methylene Chloride	4.55	84	66290	19.234	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	59394	18.786	ug/l 93
20) Diisopropyl ether	5.95	45	200859	19.058	ug/l 96
21) 1,1-Dichloroethane	5.85	63	112836	18.980	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	67943	18.274	ug/l 91
23) tert-Butyl Alcohol	4.80	59	55838	86.477	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	180362	18.707	ug/l 99
25) Chloroform	7.37	83	110103	18.895	ug/l 100
26) Cyclohexane	7.65	56	100538	18.360	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	79365	18.471	ug/l 98
30) 2-Butanone	6.83	43	218774	91.844	ug/l 98
31) 2,2-Dichloropropane	6.82	77	76173	18.437	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	88253	19.267	ug/l 98
33) Carbon Tetrachloride	7.77	117	73217	18.855	ug/l 97
34) Benzene	8.04	78	260796	19.410	ug/l 99
35) Methacrylonitrile	7.17	41	33979	16.063	ug/l 94
36) 1,2-Dichloroethane	8.12	62	85043	19.474	ug/l # 85
37) Trichloroethene	8.83	130	67979	19.400	ug/l 97
38) Methylcyclohexane	9.08	83	98802	18.348	ug/l 98
39) 1,2-Dichloropropane	9.12	63	69998	19.353	ug/l 98
40) Dibromomethane	9.21	93	43022	19.242	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056624.D
 Acq On : 9 Jul 2019 12:57
 Operator : JC/SP
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:05 AM

Quant Time: Jul 09 13:41:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	79749	19.246	ug/l	100
42) Vinyl Acetate	5.89	43	810409	95.549	ug/l	98
43) Ethyl Acetate	6.93	43	85476	18.550	ug/l	99
44) Isopropyl Acetate	8.17	43	137747	19.160	ug/l #	88
45) 1,4-Dioxane	9.20	88	26756	380.366	ug/l	89
46) Methyl methacrylate	9.20	41	66544	18.838	ug/l	94
47) n-amyl Acetate	12.07	43	109136	18.264	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	83100	18.712	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	95866	18.715	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	65121	19.771	ug/l	99
51) Ethyl methacrylate	10.43	69	96873	18.674	ug/l	98
52) 1,3-Dichloropropane	10.71	76	107258	19.164	ug/l	98
53) Dibromochloromethane	10.90	129	62838	19.465	ug/l	96
54) 1,2-Dibromoethane	11.00	107	65506	19.087	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	231008	87.392	ug/l	98
56) Bromoform	12.13	173	43421	18.511	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	436319	95.722	ug/l	96
59) 2-Hexanone	10.75	43	310723	91.865	ug/l	98
61) Tetrachloroethene	10.63	164	65221	20.497	ug/l	98
62) Toluene	10.15	91	274253	19.383	ug/l	99
64) Chlorobenzene	11.43	112	164816	19.335	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	59261	19.304	ug/l	100
66) Ethyl Benzene	11.51	91	288823	18.827	ug/l	99
67) m/p-Xylenes	11.62	106	217977	38.501	ug/l	94
68) o-Xylene	11.95	106	108827	19.437	ug/l	98
69) Styrene	11.96	104	176844	18.983	ug/l	99
70) Isopropylbenzene	12.25	105	282194	19.317	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	93254	19.308	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	72204m	17.778	ug/l	
73) Bromobenzene	12.52	156	72626	19.276	ug/l	92
74) n-propylbenzene	12.59	91	308341	18.604	ug/l	97
75) 2-Chlorotoluene	12.67	91	190370	19.209	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	238833	19.307	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23223	17.851	ug/l	96
78) 4-Chlorotoluene	12.77	91	181700	18.851	ug/l	98
79) tert-butylbenzene	12.99	119	202478	19.157	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	232565	19.035	ug/l	100
81) sec-Butylbenzene	13.17	105	264354	18.861	ug/l	98
82) p-Isopropyltoluene	13.29	119	235538	18.691	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	116842	18.674	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109468	18.137	ug/l	98
85) n-Butylbenzene	13.61	91	187954	17.748	ug/l	96
86) Hexachloroethane	13.87	117	35386	18.623	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	121220	19.078	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15393	17.786	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	53937	15.358	ug/l	97
90) Hexachlorobutadiene	15.01	225	41601	19.066	ug/l	96
91) Naphthalene	15.13	128	146211	14.835	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	59139	16.041	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
Data File : VN056624.D
Acq On : 9 Jul 2019 12:57
Operator : JC/SP
Sample : VN0709WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:05 AM

Quant Time: Jul 09 13:41:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
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\VN070919\
Data File : VN056624.D
Acq On : 9 Jul 2019 12:57
Operator : JC/SP
Sample : VN0709WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:05 AM

Quant Time: Jul 09 13:41:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

