

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051609.D
 Acq On : 28 Sep 2018 9:04
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:36 PM

Quant Time: Sep 29 00:56:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108559	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	527746	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227013	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	249726	30.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.57%
63) Toluene-d8	10.09	98	744427	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	499473	52.427 ug/l	99
3) Chloromethane	2.06	50	546740	51.283 ug/l	100
4) Vinyl Chloride	2.19	62	539480	51.582 ug/l	98
5) Bromomethane	2.57	94	260168	47.890 ug/l	99
6) Chloroethane	2.70	64	266705	50.833 ug/l	99
7) Trichlorofluoromethane	3.01	101	649586	50.835 ug/l	100
8) Diethyl Ether	3.41	74	201044	50.090 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363387	50.309 ug/l	98
10) 1,1-Dichloroethene	3.74	96	329253	50.229 ug/l	97
11) Methyl Iodide	3.95	142	468943	55.576 ug/l	98
12) Methyl Acetate	4.33	43	274889	47.517 ug/l	97
13) Acrolein	3.61	56	164610	257.549 ug/l	98
14) Acrylonitrile	4.99	53	595122	256.871 ug/l	98
15) Acetone	3.82	58	160695	264.538 ug/l	98
16) Carbon Disulfide	4.05	76	1053661	49.882 ug/l	100
17) Allyl chloride	4.33	41	603710	51.485 ug/l	100
18) Methylene Chloride	4.55	84	374882	49.745 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	348359	50.064 ug/l	98
20) Diisopropyl ether	5.95	45	1213430	52.164 ug/l	98
21) 1,1-Dichloroethane	5.85	63	694503	50.375 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	387385	50.976 ug/l	99
23) tert-Butyl Alcohol	4.79	59	109563	248.156 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	893766	51.880 ug/l	98
25) Chloroform	7.37	83	668126	50.684 ug/l	99
26) Cyclohexane	7.65	56	635844	53.295 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	524062	51.502 ug/l	99
30) 2-Butanone	6.84	43	715910	258.503 ug/l	99
31) 2,2-Dichloropropane	6.83	77	556321	50.656 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	571348	49.973 ug/l	99
33) Carbon Tetrachloride	7.78	117	513859	50.006 ug/l	97
34) Benzene	8.04	78	1525570	50.533 ug/l	# 94
35) Methacrylonitrile	7.18	41	161104	50.185 ug/l	97
36) 1,2-Dichloroethane	8.13	62	483917	50.288 ug/l	99
37) Trichloroethene	8.84	130	388620	50.139 ug/l	100
38) Methylcyclohexane	9.08	83	616264	52.485 ug/l	98
39) 1,2-Dichloropropane	9.12	63	416810	50.387 ug/l	99
40) Dibromomethane	9.21	93	232262	50.544 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051609.D
 Acq On : 28 Sep 2018 9:04
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:36 PM

Quant Time: Sep 29 00:56:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	506671	50.513	ug/l	99
42) Vinyl Acetate	5.90	43	4045351	262.380	ug/l	99
43) Ethyl Acetate	6.93	43	292994	49.981	ug/l	99
44) Isopropyl Acetate	8.17	43	566536	49.358	ug/l	98
45) 1,4-Dioxane	9.20	88	65343	1053.796	ug/l	100
46) Methyl methacrylate	9.20	41	280898	52.608	ug/l	97
47) n-amyl Acetate	12.07	43	462425	53.845	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	510734	51.016	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	601465	51.387	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	321809	49.555	ug/l	98
51) Ethyl methacrylate	10.43	69	411646	52.246	ug/l	98
52) 1,3-Dichloropropane	10.71	76	565354	50.775	ug/l	100
53) Dibromochloromethane	10.90	129	375060	50.710	ug/l	99
54) 1,2-Dibromoethane	11.01	107	317161	50.899	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1026211	263.507	ug/l	100
56) Bromoform	12.13	173	250335	51.009	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1526293	254.729	ug/l	100
59) 2-Hexanone	10.75	43	1042246	264.405	ug/l	97
61) Tetrachloroethene	10.63	164	377168	50.479	ug/l	98
62) Toluene	10.16	91	1629296	50.349	ug/l	100
64) Chlorobenzene	11.43	112	981649	50.173	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	374062	50.068	ug/l	98
66) Ethyl Benzene	11.51	91	1731325	52.276	ug/l	99
67) m/p-Xylenes	11.62	106	1354430	106.112	ug/l	99
68) o-Xylene	11.95	106	637233	52.298	ug/l	97
69) Styrene	11.96	104	1030762	53.897	ug/l	99
70) Isopropylbenzene	12.25	105	1708661	52.571	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	391486	49.785	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	334793m	51.674	ug/l	
73) Bromobenzene	12.53	156	416831	51.534	ug/l	97
74) n-propylbenzene	12.59	91	2013779	53.222	ug/l	100
75) 2-Chlorotoluene	12.67	91	1176508	52.071	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1443754	53.161	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	114892	53.958	ug/l	97
78) 4-Chlorotoluene	12.77	91	1173724	52.590	ug/l	100
79) tert-butylbenzene	12.99	119	1240768	52.734	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1461709	53.886	ug/l	100
81) sec-Butylbenzene	13.17	105	1713960	52.734	ug/l	99
82) p-Isopropyltoluene	13.29	119	1503954	54.140	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	739118	52.442	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	710394	53.621	ug/l	100
85) n-Butylbenzene	13.62	91	1264976	55.478	ug/l	99
86) Hexachloroethane	13.88	117	277617	49.966	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	724577	52.553	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	57756	50.393	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	368552	57.112	ug/l	99
90) Hexachlorobutadiene	15.01	225	261899	49.782	ug/l	98
91) Naphthalene	15.13	128	686097	56.614	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	360539	55.552	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
Data File : VN051609.D
Acq On : 28 Sep 2018 9:04
Operator : MD\SY
Sample : VSTDICC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:36 PM

Quant Time: Sep 29 00:56:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 00:34:08 2018
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\VN092818\
Data File : VN051609.D
Acq On : 28 Sep 2018 9:04
Operator : MD\SY
Sample : VSTDIC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:36 PM

Quant Time: Sep 29 00:56:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 00:34:08 2018
Response via : Initial Calibration

