

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050911.D
 Acq On : 28 Aug 2018 13:39
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:06 AM

Quant Time: Aug 29 01:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123194	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	706037	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	639213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243876	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	12.40	95	291852	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.09	98	869497	29.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.23%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	1222474	159.79	ug/l	100
3) Chloromethane	2.06	50	1379692	152.72	ug/l	99
4) Vinyl Chloride	2.18	62	1372232	153.73	ug/l	100
5) Bromomethane	2.54	94	834479	153.37	ug/l	100
6) Chloroethane	2.69	64	794468	150.90	ug/l	97
7) Trichlorofluoromethane	3.01	101	1826921	154.39	ug/l	99
8) Diethyl Ether	3.41	74	684111	163.97	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1121787	153.08	ug/l	99
10) 1,1-Dichloroethene	3.73	96	1059503	159.16	ug/l	98
11) Methyl Iodide	3.95	142	1214724	195.58	ug/l	99
12) Methyl Acetate	4.33	43	1280604	166.37	ug/l	99
13) Acrolein	3.61	56	122829	720.64	ug/l	98
14) Acrylonitrile	4.99	53	2168831	833.35	ug/l	98
15) Acetone	3.82	58	499053	749.37	ug/l	100
16) Carbon Disulfide	4.05	76	3139095	156.84	ug/l	100
17) Allyl chloride	4.32	41	1723790	164.58	ug/l	98
18) Methylene Chloride	4.55	84	1187704	152.01	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	1114828	157.19	ug/l	100
20) Diisopropyl ether	5.96	45	3492143	160.62	ug/l	95
21) 1,1-Dichloroethane	5.85	63	2061572	154.65	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	1280484	159.83	ug/l	99
23) tert-Butyl Alcohol	4.80	59	487912	881.54	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	3050524	167.55	ug/l	100
25) Chloroform	7.37	83	2031771	152.71	ug/l	98
26) Cyclohexane	7.65	56	1830530	165.75	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	1612806	152.58	ug/l	99
30) 2-Butanone	6.84	43	2441938	750.98	ug/l	100
31) 2,2-Dichloropropane	6.83	77	1591823	154.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1766992	147.42	ug/l	99
33) Carbon Tetrachloride	7.78	117	1593451	147.62	ug/l	97
34) Benzene	8.04	78	4833556	147.82	ug/l #	91
35) Methacrylonitrile	7.18	41	537733	150.94	ug/l	97
36) 1,2-Dichloroethane	8.13	62	1437823	145.39	ug/l	100
37) Trichloroethene	8.84	130	1283917	150.23	ug/l	99
38) Methylcyclohexane	9.08	83	1817815	160.13	ug/l	97
39) 1,2-Dichloropropane	9.12	63	1267728	148.44	ug/l	98
40) Dibromomethane	9.21	93	760249	147.78	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050911.D
 Acq On : 28 Aug 2018 13:39
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:06 AM

Quant Time: Aug 29 01:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1613885	148.82	ug/l	99
42) Vinyl Acetate	5.90	43	11739155	783.78	ug/l	98
43) Ethyl Acetate	6.93	43	1040815	156.25	ug/l	94
44) Isopropyl Acetate	8.17	43	1874789	159.50	ug/l	97
45) 1,4-Dioxane	9.20	88	279306	3198.79	ug/l	98
46) Methyl methacrylate	9.20	41	964142	163.78	ug/l	98
47) n-amyl Acetate	12.07	43	1625372	171.99	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	1735667	163.28	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1920276	157.25	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	1106107	147.98	ug/l	99
51) Ethyl methacrylate	10.43	69	1526997	166.97	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1870859	151.10	ug/l	99
53) Dibromochloromethane	10.90	129	1307736	153.86	ug/l	99
54) 1,2-Dibromoethane	11.01	107	1134833	153.54	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3230962	849.06	ug/l	99
56) Bromoform	12.13	173	954841	157.95	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	5378747	735.44	ug/l	98
59) 2-Hexanone	10.75	43	3652096	763.96	ug/l	98
61) Tetrachloroethene	10.63	164	1154806	144.98	ug/l	99
62) Toluene	10.16	91	5251747	147.27	ug/l	100
64) Chlorobenzene	11.44	112	3321838	150.30	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1252544	150.10	ug/l	99
66) Ethyl Benzene	11.51	91	5749871	155.66	ug/l	98
67) m/p-Xylenes	11.62	106	4376875	307.96	ug/l	100
68) o-Xylene	11.95	106	2120002	156.11	ug/l	99
69) Styrene	11.97	104	3433048	159.00	ug/l	99
70) Isopropylbenzene	12.25	105	5593791	155.01	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1422729	145.62	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1278930m	152.20	ug/l	
73) Bromobenzene	12.53	156	1456674	153.43	ug/l	99
74) n-propylbenzene	12.59	91	6385475	156.52	ug/l	99
75) 2-Chlorotoluene	12.68	91	3751841	151.37	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	4537068	153.85	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	414554	172.63	ug/l	92
78) 4-Chlorotoluene	12.77	91	3829025	156.90	ug/l	100
79) tert-butylbenzene	12.99	119	3973371	155.15	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	4614828	156.96	ug/l	99
81) sec-Butylbenzene	13.17	105	5218885	155.75	ug/l	99
82) p-Isopropyltoluene	13.29	119	4620356	159.74	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2545517	158.58	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2501677	164.48	ug/l	99
85) n-Butylbenzene	13.62	91	3846515	174.29	ug/l	98
86) Hexachloroethane	13.88	117	843454	151.93	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	2442489	154.59	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	222472	162.76	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	1400430	199.10	ug/l	100
90) Hexachlorobutadiene	15.01	225	715503	149.72	ug/l	99
91) Naphthalene	15.14	128	3211372	213.01	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1340100	189.87	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
Data File : VN050911.D
Acq On : 28 Aug 2018 13:39
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:06 AM

Quant Time: Aug 29 01:33:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

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

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

