

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051837.D
 Acq On : 12 Oct 2018 17:04
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:03:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	131669	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	751183	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	655517	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	250562	31.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.23%
60) 4-Bromofluorobenzene	12.40	95	272307	28.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.03%
63) Toluene-d8	10.09	98	862529	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102706	20.08	ug/l	96
3) Chloromethane	2.06	50	111914	20.70	ug/l	99
4) Vinyl Chloride	2.18	62	165458	20.49	ug/l	97
5) Bromomethane	2.57	94	145508	20.40	ug/l	86
6) Chloroethane	2.70	64	122364	21.03	ug/l	98
7) Trichlorofluoromethane	3.01	101	238447	20.72	ug/l	94
8) Diethyl Ether	3.41	74	67660	20.19	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132602	20.23	ug/l #	39
10) 1,1-Dichloroethene	3.74	96	123447	20.36	ug/l	86
11) Methyl Iodide	3.95	142	176076	19.98	ug/l	95
12) Methyl Acetate	4.33	43	78361	20.82	ug/l	96
13) Acrolein	3.61	56	23878	96.27	ug/l	82
14) Acrylonitrile	5.00	53	172780	102.70	ug/l #	62
15) Acetone	3.82	58	41155	98.95	ug/l	97
16) Carbon Disulfide	4.05	76	299198	18.79	ug/l	98
17) Allyl chloride	4.33	41	143166	19.89	ug/l	78
18) Methylene Chloride	4.55	84	140659	20.75	ug/l	88
19) trans-1,2-Dichloroethene	5.04	96	139616	20.17	ug/l	84
20) Diisopropyl ether	5.96	45	326236	20.35	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	230361	20.57	ug/l #	96
22) cis-1,2-Dichloroethene	6.83	96	162835	20.03	ug/l #	83
23) tert-Butyl Alcohol	4.80	59	43228	97.56	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	365521	20.93	ug/l #	67
25) Chloroform	7.37	83	269741	20.30	ug/l	95
26) Cyclohexane	7.65	56	184356	19.42	ug/l #	71
29) 1,1-Dichloropropene	7.79	75	189564	19.58	ug/l	94
30) 2-Butanone	6.84	43	190652	94.20	ug/l #	86
31) 2,2-Dichloropropane	6.83	77	202464	17.77	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	254356	19.81	ug/l	95
33) Carbon Tetrachloride	7.77	117	224858	19.36	ug/l	92
34) Benzene	8.04	78	573631	20.03	ug/l #	67
35) Methacrylonitrile	7.18	41	48063	18.08	ug/l	90
36) 1,2-Dichloroethane	8.13	62	183881	20.04	ug/l	98
37) Trichloroethene	8.84	130	176150	19.81	ug/l	97
38) Methylcyclohexane	9.08	83	232507	18.72	ug/l	79
39) 1,2-Dichloropropane	9.12	63	134309	19.91	ug/l	96
40) Dibromomethane	9.21	93	97776	19.53	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051837.D
 Acq On : 12 Oct 2018 17:04
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:03:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	199447	19.29	ug/l	94
42) Vinyl Acetate	5.90	43	1119684	98.28	ug/l #	90
43) Ethyl Acetate	6.93	43	90079	20.50	ug/l	96
44) Isopropyl Acetate	8.17	43	170024	19.37	ug/l	95
45) 1,4-Dioxane	9.20	88	28573	405.41	ug/l #	73
46) Methyl methacrylate	9.20	41	81405	20.11	ug/l	78
47) n-amyl Acetate	12.07	43	129493m	17.62	ug/l	
48) t-1,3-Dichloropropene	10.38	75	186768	18.52	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	210476	18.93	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	135999	19.66	ug/l	96
51) Ethyl methacrylate	10.43	69	155060	19.58	ug/l	84
52) 1,3-Dichloropropane	10.71	76	215691	20.20	ug/l	97
53) Dibromochloromethane	10.90	129	159535	18.64	ug/l	92
54) 1,2-Dibromoethane	11.01	107	144568	19.91	ug/l	93
55) 2-Chloroethyl vinyl ether	9.70	63	331433	97.90	ug/l #	93
56) Bromoform	12.13	173	96070	17.02	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	465572	106.13	ug/l #	87
59) 2-Hexanone	10.75	43	284971	96.29	ug/l #	90
61) Tetrachloroethene	10.63	164	178043	21.24	ug/l	96
62) Toluene	10.16	91	665644	20.44	ug/l	99
64) Chlorobenzene	11.43	112	433020	20.30	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	163573	19.98	ug/l	98
66) Ethyl Benzene	11.51	91	716008	19.89	ug/l	98
67) m/p-Xylenes	11.62	106	567278	38.88	ug/l	100
68) o-Xylene	11.95	106	288193	20.03	ug/l	89
69) Styrene	11.96	104	425927	19.30	ug/l	97
70) Isopropylbenzene	12.25	105	759763	19.81	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	155545	20.53	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	134254m	22.53	ug/l	
73) Bromobenzene	12.53	156	185536	19.53	ug/l	82
74) n-propylbenzene	12.59	91	805285	19.52	ug/l	95
75) 2-Chlorotoluene	12.68	91	480217	19.85	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	618076	19.48	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31968	16.22	ug/l	97
78) 4-Chlorotoluene	12.77	91	459429	19.33	ug/l	93
79) tert-butylbenzene	12.99	119	573812	19.67	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	612314	19.31	ug/l	96
81) sec-Butylbenzene	13.17	105	742045	19.45	ug/l	97
82) p-Isopropyltoluene	13.29	119	641041	18.77	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	309762	18.48	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	285354	18.08	ug/l	97
85) n-Butylbenzene	13.62	91	468283	18.19	ug/l	95
86) Hexachloroethane	13.88	117	106220	18.04	ug/l	88
87) 1,2-Dichlorobenzene	13.65	146	309077	19.04	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21309	18.84	ug/l #	75
89) 1,2,4-Trichlorobenzene	14.91	180	117240	18.67	ug/l	100
90) Hexachlorobutadiene	15.01	225	96814	18.51	ug/l	95
91) Naphthalene	15.13	128	242920	19.48	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	126944	17.19	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
Data File : VN051837.D
Acq On : 12 Oct 2018 17:04
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:03:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 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\VN101218\
Data File : VN051837.D
Acq On : 12 Oct 2018 17:04
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:03:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

