

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002172.D
 Acq On : 31 May 2018 11:41
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 31 12:04:03 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	56035	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	326397	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	301115	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	133984	30.39	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	11.14	95	151523	29.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.00%
63) Toluene-d8	8.72	98	402011	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	60855	20.457 ug/l	97
3) Chloromethane	1.32	50	71903	20.319 ug/l	100
4) Vinyl Chloride	1.40	62	75140	21.345 ug/l	99
5) Bromomethane	1.64	94	38128	19.333 ug/l	97
6) Chloroethane	1.73	64	47533	22.825 ug/l	96
7) Trichlorofluoromethane	1.93	101	126591	23.578 ug/l	100
8) Diethyl Ether	2.19	74	45608	22.570 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	73247	25.333 ug/l	99
10) 1,1-Dichloroethene	2.38	96	63325	22.715 ug/l	98
11) Methyl Iodide	2.51	142	64117	14.639 ug/l	98
12) Methyl Acetate	2.78	43	106087	23.476 ug/l	98
13) Acrolein	2.29	56	39291	102.125 ug/l	99
14) Acrylonitrile	3.15	53	197426	106.194 ug/l	99
15) Acetone	2.45	58	60346	121.760 ug/l	97
16) Carbon Disulfide	2.57	76	141687	17.798 ug/l	99
17) Allyl chloride	2.73	41	134134	23.311 ug/l	94
18) Methylene Chloride	2.86	84	71890	22.943 ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	66122	22.432 ug/l	98
20) Diisopropyl ether	3.87	45	261722	23.822 ug/l	98
21) 1,1-Dichloroethane	3.70	63	136415	23.326 ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	70633	20.099 ug/l	88
23) tert-Butyl Alcohol	3.06	59	100540	104.264 ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	247933	22.784 ug/l	99
25) Chloroform	5.21	83	125105	20.346 ug/l	97
26) Cyclohexane	5.58	56	111776	20.768 ug/l	# 98
29) 1,1-Dichloropropene	5.80	75	93180	20.405 ug/l	99
30) 2-Butanone	4.71	43	282343	88.640 ug/l	100
31) 2,2-Dichloropropane	4.59	77	105843	26.373 ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	110136	18.466 ug/l	100
33) Carbon Tetrachloride	5.79	117	94814	17.494 ug/l	93
34) Benzene	6.15	78	271022	19.654 ug/l	98
35) Methacrylonitrile	5.06	41	61357	17.395 ug/l	97
36) 1,2-Dichloroethane	6.20	62	107725	20.051 ug/l	99
37) Trichloroethene	7.21	130	77516	19.816 ug/l	94
38) Methylcyclohexane	7.46	83	113936	21.384 ug/l	99
39) 1,2-Dichloropropane	7.52	63	73591	19.738 ug/l	96
40) Dibromomethane	7.67	93	47511	18.993 ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002172.D
 Acq On : 31 May 2018 11:41
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 31 12:04:03 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	90491	17.437	ug/l	97
42) Vinyl Acetate	3.82	43	1121696	111.309	ug/l	99
43) Ethyl Acetate	4.86	43	106445	17.025	ug/l	100
44) Isopropyl Acetate	6.47	43	182471	17.551	ug/l	99
45) 1,4-Dioxane	7.76	88	33912	342.872	ug/l #	89
46) Methyl methacrylate	7.78	41	93449	17.750	ug/l	99
47) n-amyl Acetate	10.90	43	164568	17.206	ug/l #	91
48) t-1,3-Dichloropropene	8.44	75	110225	18.901	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	102730	18.197	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	72749	20.258	ug/l	98
51) Ethyl methacrylate	9.18	69	113300	18.213	ug/l	98
52) 1,3-Dichloropropane	9.38	76	121866	20.118	ug/l	100
53) Dibromochloromethane	9.59	129	70918	16.165	ug/l	99
54) 1,2-Dibromoethane	9.68	107	73504	18.906	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	429820	147.203	ug/l	99
56) Bromoform	10.86	173	53776	13.939	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	587391	89.640	ug/l	100
59) 2-Hexanone	9.50	43	450026	88.504	ug/l	99
61) Tetrachloroethene	9.34	164	92344	20.107	ug/l	98
62) Toluene	8.79	91	304341	19.791	ug/l	100
64) Chlorobenzene	10.14	112	199583	20.053	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	73296	18.096	ug/l	100
66) Ethyl Benzene	10.26	91	348931	20.189	ug/l	99
67) m/p-Xylenes	10.36	106	264578	40.325	ug/l	100
68) o-Xylene	10.70	106	130138	19.804	ug/l	100
69) Styrene	10.71	104	214333	19.429	ug/l	100
70) Isopropylbenzene	11.02	105	358205	20.363	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	102852	18.654	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	123084	23.701	ug/l	91
73) Bromobenzene	11.26	156	94411	19.981	ug/l	95
74) n-propylbenzene	11.37	91	410954	20.928	ug/l	100
75) 2-Chlorotoluene	11.43	91	243824	20.133	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	303884	20.317	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	28744	15.277	ug/l	89
78) 4-Chlorotoluene	11.51	91	282774	20.531	ug/l	100
79) tert-butylbenzene	12.07	119	328174	20.925	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	309847	20.491	ug/l	99
81) sec-Butylbenzene	11.95	105	367318	20.952	ug/l	100
82) p-Isopropyltoluene	12.07	119	328174	20.925	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	170261	20.336	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	172387	20.686	ug/l	99
85) n-Butylbenzene	12.39	91	283440	21.550	ug/l	99
86) Hexachloroethane	12.60	117	46042	14.753	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	174142	20.194	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	22583	14.063	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	126183	20.603	ug/l	100
90) Hexachlorobutadiene	13.79	225	69532	21.343	ug/l	99
91) Naphthalene	13.84	128	365039	18.889	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	129862	20.303	ug/l	100

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
Data File : VX002172.D
Acq On : 31 May 2018 11:41
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: May 31 12:04:03 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 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 : W:\HPCHEM1\MSVOA X\DATA\VX053118\  
Data File : VX002172.D  
Acq On    : 31 May 2018  11:41  
Operator  : JC/MD  
Sample    : VSTDCCC020  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: May 31 12:04:03 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration

