

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
 Data File : VX000136.D
 Acq On : 23 Feb 2018 15:59
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC020

Quant Time: Feb 24 01:25:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	23095	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	141377	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	136151	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	56300	31.50	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.00%
60) 4-Bromofluorobenzene	11.15	95	69264	31.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.67%
63) Toluene-d8	8.72	98	176324	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30805	21.49	ug/l	93
3) Chloromethane	1.32	50	31692	22.06	ug/l	100
4) Vinyl Chloride	1.41	62	35336	20.67	ug/l	97
5) Bromomethane	1.65	94	27026	17.16	ug/l	98
6) Chloroethane	1.73	64	21611	19.75	ug/l	99
7) Trichlorofluoromethane	1.93	101	60119	20.30	ug/l	99
8) Diethyl Ether	2.19	74	21337	20.63	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33655	20.83	ug/l	95
10) 1,1-Dichloroethene	2.38	96	29476	19.10	ug/l	95
11) Methyl Iodide	2.51	142	36220	24.15	ug/l	99
12) Methyl Acetate	2.78	43	63860	23.16	ug/l	100
13) Acrolein	2.29	56	22821	68.77	ug/l	99
14) Acrylonitrile	3.15	53	129930	108.74	ug/l	99
15) Acetone	2.45	58	43202	110.90	ug/l	91
16) Carbon Disulfide	2.57	76	80000	18.13	ug/l	95
17) Allyl chloride	2.73	41	56203	21.36	ug/l	97
18) Methylene Chloride	2.86	84	32484	19.32	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	32745	19.50	ug/l	97
20) Diisopropyl ether	3.87	45	104048	25.05	ug/l #	94
21) 1,1-Dichloroethane	3.70	63	58054	21.20	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	31645	20.29	ug/l	98
23) tert-Butyl Alcohol	3.06	59	75429	110.44	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	108663	20.44	ug/l	96
25) Chloroform	5.23	83	57182	21.06	ug/l	91
26) Cyclohexane	5.58	56	46861	21.83	ug/l #	99
29) 1,1-Dichloropropene	5.81	75	43256	21.01	ug/l	99
30) 2-Butanone	4.71	43	185528	117.07	ug/l	98
31) 2,2-Dichloropropane	4.59	77	43233	19.52	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	50986	20.47	ug/l	99
33) Carbon Tetrachloride	5.79	117	43816	19.81	ug/l	96
34) Benzene	6.15	78	124866	21.08	ug/l	95
35) Methacrylonitrile	5.07	41	31734	21.75	ug/l	93
36) 1,2-Dichloroethane	6.20	62	49368	21.97	ug/l	99
37) Trichloroethene	7.22	130	36645	20.93	ug/l	95
38) Methylcyclohexane	7.47	83	55674	22.56	ug/l	96
39) 1,2-Dichloropropane	7.53	63	31936	21.59	ug/l	99
40) Dibromomethane	7.67	93	25466	22.35	ug/l	93

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
 Data File : VX000136.D
 Acq On : 23 Feb 2018 15:59
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC020

Quant Time: Feb 24 01:25:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	46381	21.41	ug/l	99
42) Vinyl Acetate	3.83	43	494615	122.45	ug/l	100
43) Ethyl Acetate	4.87	43	61938	22.25	ug/l	97
44) Isopropyl Acetate	6.48	43	91875	22.49	ug/l	99
45) 1,4-Dioxane	7.76	88	22733	442.56	ug/l	95
46) Methyl methacrylate	7.79	41	43936	22.12	ug/l	93
47) n-amyl Acetate	10.91	43	79058	22.17	ug/l	98
48) t-1,3-Dichloropropene	8.44	75	53199	21.10	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	53387	21.76	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	36014	21.52	ug/l	97
51) Ethyl methacrylate	9.19	69	55773	21.76	ug/l	98
52) 1,3-Dichloropropane	9.38	76	59726	22.25	ug/l	99
53) Dibromochloromethane	9.59	129	37934	20.38	ug/l	99
54) 1,2-Dibromoethane	9.68	107	39543	21.20	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	127381	113.80	ug/l	99
56) Bromoform	10.87	173	29614	19.64	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	348703	116.93	ug/l	99
59) 2-Hexanone	9.51	43	299438	118.58	ug/l	98
61) Tetrachloroethene	9.34	164	34266	20.73	ug/l	96
62) Toluene	8.79	91	153148	21.62	ug/l	100
64) Chlorobenzene	10.15	112	101980	21.30	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	35922	21.19	ug/l	99
66) Ethyl Benzene	10.26	91	173951	21.51	ug/l	99
67) m/p-Xylenes	10.37	106	135031	42.60	ug/l	99
68) o-Xylene	10.71	106	65558	21.29	ug/l	98
69) Styrene	10.72	104	108357	21.25	ug/l	99
70) Isopropylbenzene	11.02	105	179128	21.52	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63812	22.28	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	59741m	23.26	ug/l	
73) Bromobenzene	11.26	156	45589	20.89	ug/l	96
74) n-propylbenzene	11.37	91	211177	21.65	ug/l	99
75) 2-Chlorotoluene	11.43	91	123378	22.00	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	152602	21.64	ug/l	70
77) t-1,4-Dichloro-2-butene	11.09	75	19481	21.45	ug/l	96
78) 4-Chlorotoluene	11.52	91	147672	21.98	ug/l	97
79) tert-butylbenzene	11.78	119	145928m	20.79	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	157600	21.90	ug/l	99
81) sec-Butylbenzene	11.96	105	189575	21.84	ug/l	100
82) p-Isopropyltoluene	12.07	119	168553	21.77	ug/l	99
83) 1,3-Dichlorobenzene	12.04	146	89253	21.48	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	89588	20.69	ug/l	98
85) n-Butylbenzene	12.40	91	163128	22.47	ug/l	99
86) Hexachloroethane	12.60	117	26735	20.67	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	87316	21.21	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	17975	22.45	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	63698	21.07	ug/l	99
90) Hexachlorobutadiene	13.79	225	26995	20.72	ug/l	99
91) Naphthalene	13.84	128	230738	21.84	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	63022	20.73	ug/l	98

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
Data File : VX000136.D
Acq On : 23 Feb 2018 15:59
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ClientSampleId :
VSTDCCC020

Quant Time: Feb 24 01:25:08 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 06:17:26 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\VX022318\  
Data File  : VX000136.D  
Acq On     : 23 Feb 2018   15:59  
Operator   : JC/MD  
Sample     : VSTDCCC020  
Misc       : 5.0mL/MSVOA_X/WATER  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
ClientSampleId :
VSTDCCC020

Quant Time: Feb 24 01:25:08 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 06:17:26 2018
Response via : Initial Calibration

