

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\
 Data File : VU024180.D
 Acq On : 27 May 2018 10:18
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 28 02:51:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 02:19:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	318163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298243	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	132062	54.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.20%
7) Chloroethane-d5	1.68	69	104773	54.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.10%
11) 1,1-Dichloroethene-d2	2.27	63	233984	52.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.00%
21) 2-Butanone-d5	4.18	46	181253	94.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.26%
24) Chloroform-d	4.65	84	224856	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.31	65	140918	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.64%
32) Benzene-d6	5.35	84	459802	55.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.42%
36) 1,2-Dichloropropane-d6	6.34	67	148235	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.80%
41) Toluene-d8	7.57	98	426597	55.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.54%
43) trans-1,3-Dichloropropene-	7.85	79	61966	55.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.18%
47) 2-Hexanone-d5	8.31	63	124812	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	202613	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	160430	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	159638	50.38	ug/L	99
3) Chloromethane	1.33	50	165722	47.04	ug/L	98
5) Vinyl chloride	1.40	62	163571	48.95	ug/L	99
6) Bromomethane	1.63	94	83319	48.33	ug/L	96
8) Chloroethane	1.70	64	98531	49.81	ug/L	100
9) Trichlorofluoromethane	1.89	101	194830	50.49	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	124099	53.02	ug/L	98
12) 1,1-Dichloroethene	2.29	96	109168	49.96	ug/L	93
13) Acetone	2.32	43	196808	117.44	ug/L	99
14) Carbon disulfide	2.48	76	345473	48.75	ug/L	100
15) Methyl Acetate	2.62	43	145169	47.52	ug/L	100
16) Methylene chloride	2.71	84	131455	48.35	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	114271	49.86	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	354930	51.35	ug/L	100
19) 1,1-Dichloroethane	3.45	63	230111	49.84	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	129510	50.54	ug/L	97
22) 2-Butanone	4.26	43	231862	105.51	ug/L	100

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\
 Data File : VU024180.D
 Acq On : 27 May 2018 10:18
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 28 02:51:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 02:19:02 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.55	128	66644	50.07	ug/L	98
25) Chloroform	4.68	83	226520	50.02	ug/L	100
27) 1,2-Dichloroethane	5.41	62	178024	49.51	ug/L	100
29) Cyclohexane	5.00	56	210016	53.64	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	183088	51.67	ug/L	98
31) Carbon tetrachloride	5.14	117	159118	51.29	ug/L	98
33) Benzene	5.39	78	508224	51.19	ug/L	100
34) Trichloroethene	6.19	95	124410	44.61	ug/L	99
35) Methylcyclohexane	6.42	83	208968	54.14	ug/L	99
37) 1,2-Dichloropropane	6.44	63	140924	50.61	ug/L	99
38) Bromodichloromethane	6.76	83	163891	50.09	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	192844	52.46	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	366609	97.11	ug/L	99
42) Toluene	7.64	91	536363	53.21	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	168109	51.35	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	124837	50.43	ug/L	98
46) Tetrachloroethene	8.23	164	101931	52.24	ug/L	99
48) 2-Hexanone	8.36	43	302870	101.69	ug/L	99
49) Dibromochloromethane	8.48	129	131343	50.44	ug/L	99
50) 1,2-Dibromoethane	8.59	107	127794	51.31	ug/L	98
51) Chlorobenzene	9.12	112	332518	50.83	ug/L	99
52) Ethylbenzene	9.26	91	560966	52.65	ug/L	100
53) m,p-Xylene	9.38	106	219721	54.43	ug/L	100
54) o-xylene	9.78	106	216178	53.48	ug/L	99
55) Styrene	9.80	104	359538	53.81	ug/L	100
56) Isopropylbenzene	10.17	105	548618	53.62	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	208027	47.77	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	168078	48.23	ug/L	99
61) Bromoform	9.96	173	94252	47.15	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	237777	50.22	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	245906	50.75	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262392	50.16	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	41653	44.78	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	184763	52.86	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	135017	53.51	ug/L	100
69) Naphthalene	13.75	128	374813	50.44	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	152439	53.69	ug/L	100

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

```
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\  
Data File : VU024180.D  
Acq On    : 27 May 2018  10:18  
Operator  : MD/SY  
Sample    : VSTDCCC050EC  
Misc      : 5.0mL/MSVOA U/WATER  
ALS Vial  : 39      Sample Multiplier: 1
```

Quant Time: May 28 02:51:57 2018
Quant Method : W:\HPCHEM1\MSV0A_U\METHOD\SOMULM052518WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 28 02:19:02 2018
Response via : Initial Calibration

