

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025546.D
 Acq On : 20 Jul 2018 16:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jul 21 01:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	338851	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	319076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89589	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.62%
7) Chloroethane-d5	1.68	69	74813	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.76%
11) 1,1-Dichloroethene-d2	2.27	63	194035	48.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.36%
21) 2-Butanone-d5	4.18	46	155313	104.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	4.65	84	209583	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.31	65	138925	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
32) Benzene-d6	5.35	84	395357	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.34	67	128254	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.28%
41) Toluene-d8	7.57	98	385848	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.85	79	65664	48.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.50%
47) 2-Hexanone-d5	8.31	63	115512	104.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.62%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181161	49.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	162908	48.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	156566	46.89	ug/L	99
3) Chloromethane	1.33	50	120288	49.89	ug/L	99
5) Vinyl chloride	1.41	62	124664	47.14	ug/L	98
6) Bromomethane	1.63	94	49613	53.95	ug/L	98
8) Chloroethane	1.70	64	73312	47.08	ug/L	98
9) Trichlorofluoromethane	1.89	101	179891	47.77	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104513	49.56	ug/L	99
12) 1,1-Dichloroethene	2.29	96	93760	49.03	ug/L	96
13) Acetone	2.32	43	132754	75.73	ug/L	99
14) Carbon disulfide	2.48	76	288856	46.39	ug/L	100
15) Methyl Acetate	2.62	43	120949	49.91	ug/L	100
16) Methylene chloride	2.71	84	113538	47.66	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	103773	47.13	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	352301	49.13	ug/L	100
19) 1,1-Dichloroethane	3.45	63	199984	47.75	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	120670	48.55	ug/L	96
22) 2-Butanone	4.27	43	179369	91.92	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025546.D
 Acq On : 20 Jul 2018 16:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jul 21 01:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65074	49.61	ug/L	96
25) Chloroform	4.68	83	213049	48.34	ug/L	98
27) 1,2-Dichloroethane	5.41	62	175468	48.81	ug/L	100
29) Cyclohexane	5.00	56	177084	47.90	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	192927	48.32	ug/L	99
31) Carbon tetrachloride	5.14	117	176870	47.91	ug/L	99
33) Benzene	5.39	78	444131	48.44	ug/L	100
34) Trichloroethene	6.19	95	117874	48.46	ug/L	96
35) Methylcyclohexane	6.42	83	186830	47.63	ug/L	99
37) 1,2-Dichloropropane	6.44	63	119892	47.86	ug/L	99
38) Bromodichloromethane	6.76	83	159906	48.41	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	191496	49.25	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	335929	102.11	ug/L	100
42) Toluene	7.64	91	481451	48.70	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	179945	49.09	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	114907	47.82	ug/L	99
46) Tetrachloroethene	8.23	164	101813	48.28	ug/L	99
48) 2-Hexanone	8.36	43	268734	96.67	ug/L	100
49) Dibromochloromethane	8.48	129	137711	48.85	ug/L	98
50) 1,2-Dibromoethane	8.59	107	125487	48.47	ug/L	99
51) Chlorobenzene	9.12	112	319000	47.93	ug/L	99
52) Ethylbenzene	9.25	91	533011	48.84	ug/L	99
53) m,p-Xylene	9.38	106	206669	49.44	ug/L	98
54) o-xylene	9.78	106	207713	48.97	ug/L	99
55) Styrene	9.80	104	345574	50.03	ug/L	99
56) Isopropylbenzene	10.17	105	540919	49.42	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	188600	48.66	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	141993	48.25	ug/L	100
61) Bromoform	9.96	173	102926	48.46	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	253097	48.73	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	253675	47.84	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	266141	48.91	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	41965	49.03	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	197110	49.16	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	169628	50.34	ug/L	98
69) Naphthalene	13.74	128	532902	52.59	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	180422	50.65	ug/L	100

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

