

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026052.D
 Acq On : 10 Aug 2018 18:47
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Aug 11 03:47:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	279203	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270417	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	135426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69333	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.94%
7) Chloroethane-d5	1.67	69	66168	40.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.78%
11) 1,1-Dichloroethene-d2	2.27	63	161401	41.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.24%
21) 2-Butanone-d5	4.18	46	167994	98.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.76%
24) Chloroform-d	4.65	84	202301	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
26) 1,2-Dichloroethane-d4	5.31	65	134984	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
32) Benzene-d6	5.34	84	365315	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.02%
36) 1,2-Dichloropropane-d6	6.33	67	124757	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.84%
41) Toluene-d8	7.57	98	345391	42.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.98%
43) trans-1,3-Dichloropropene-	7.85	79	61619	45.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.02%
47) 2-Hexanone-d5	8.31	63	120802	97.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	194491	48.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	150294	45.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.04%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	130856	53.80	ug/L	99
3) Chloromethane	1.33	50	116497	53.38	ug/L	99
5) Vinyl chloride	1.40	62	114688	54.46	ug/L	98
6) Bromomethane	1.62	94	56969	50.59	ug/L	99
8) Chloroethane	1.70	64	68248	53.93	ug/L	94
9) Trichlorofluoromethane	1.89	101	160732	53.34	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	94023	53.64	ug/L	99
12) 1,1-Dichloroethene	2.28	96	86538	53.68	ug/L	89
13) Acetone	2.32	43	107043	101.30	ug/L	98
14) Carbon disulfide	2.48	76	287690	54.25	ug/L	99
15) Methyl Acetate	2.62	43	119906	54.17	ug/L	99
16) Methylene chloride	2.70	84	111621	54.24	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	96926	53.97	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	320459	54.29	ug/L	99
19) 1,1-Dichloroethane	3.45	63	189448	54.38	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	111477	53.94	ug/L	97
22) 2-Butanone	4.26	43	160848	105.20	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61358	55.74	ug/L	99
25) Chloroform	4.67	83	199567	55.01	ug/L	99
27) 1,2-Dichloroethane	5.41	62	161745	53.99	ug/L	97
29) Cyclohexane	5.00	56	157502	52.11	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	177608	52.05	ug/L	99
31) Carbon tetrachloride	5.14	117	163990	52.63	ug/L	100
33) Benzene	5.39	78	414699	53.84	ug/L	100
34) Trichloroethene	6.19	95	105352	52.36	ug/L	96
35) Methylcyclohexane	6.42	83	161285	52.50	ug/L	99
37) 1,2-Dichloropropane	6.44	63	115492	54.80	ug/L	100
38) Bromodichloromethane	6.76	83	151859	54.09	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	169151	52.96	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	308486	106.54	ug/L	100
42) Toluene	7.64	91	447738	54.77	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	163043	53.63	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	108525	54.01	ug/L	97
46) Tetrachloroethene	8.23	164	91676	53.54	ug/L	99
48) 2-Hexanone	8.36	43	240113	106.44	ug/L	99
49) Dibromochloromethane	8.48	129	131210	54.16	ug/L	99
50) 1,2-Dibromoethane	8.59	107	118227	54.03	ug/L	98
51) Chlorobenzene	9.12	112	294872	53.49	ug/L	100
52) Ethylbenzene	9.25	91	481498	53.83	ug/L	100
53) m,p-Xylene	9.38	106	190741	55.80	ug/L	99
54) o-xylene	9.78	106	187254	55.20	ug/L	99
55) Styrene	9.80	104	317393	56.19	ug/L	100
56) Isopropylbenzene	10.17	105	485224	55.52	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	183806	53.83	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	146853	54.03	ug/L	99
61) Bromoform	9.96	173	98960	53.97	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	225153	53.40	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	233514	52.83	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	242354	54.00	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	41714	52.96	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	169382	53.75	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	140665	52.79	ug/L	99
69) Naphthalene	13.74	128	448969	52.23	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	156100	54.50	ug/L	99

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

