

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026070.D
 Acq On : 13 Aug 2018 15:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Aug 14 01:16:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	302742	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287424	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146565	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103714	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.74%
7) Chloroethane-d5	1.68	69	83316	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.98%
11) 1,1-Dichloroethene-d2	2.27	63	204257	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.16%
21) 2-Butanone-d5	4.18	46	150928	81.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.83%
24) Chloroform-d	4.65	84	224311	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.31	65	145430	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
32) Benzene-d6	5.35	84	427058	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
36) 1,2-Dichloropropane-d6	6.33	67	134564	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.18%
41) Toluene-d8	7.57	98	413093	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%
43) trans-1,3-Dichloropropene-	7.85	79	68426	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.06%
47) 2-Hexanone-d5	8.31	63	109378	83.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193354	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	168357	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	129588	49.13	ug/L	99
3) Chloromethane	1.33	50	115296	48.72	ug/L	99
5) Vinyl chloride	1.40	62	113605	49.75	ug/L	98
6) Bromomethane	1.62	94	65853	53.93	ug/L	96
8) Chloroethane	1.70	64	67182	48.96	ug/L	95
9) Trichlorofluoromethane	1.89	101	164044	50.21	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97871	51.50	ug/L	99
12) 1,1-Dichloroethene	2.28	96	88467	50.61	ug/L	91
13) Acetone	2.32	43	97750	85.32	ug/L	98
14) Carbon disulfide	2.48	76	285706	49.69	ug/L	100
15) Methyl Acetate	2.62	43	109988	45.83	ug/L	99
16) Methylene chloride	2.70	84	108499	48.62	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	98130	50.39	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	318746	49.80	ug/L	100
19) 1,1-Dichloroethane	3.45	63	191526	50.71	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	112256	50.10	ug/L	100
22) 2-Butanone	4.27	43	145985	88.06	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	60180	50.42	ug/L	99
25) Chloroform	4.68	83	199466	50.71	ug/L	99
27) 1,2-Dichloroethane	5.41	62	162675	50.07	ug/L	99
29) Cyclohexane	5.00	56	159596	49.68	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	180679	49.82	ug/L	100
31) Carbon tetrachloride	5.14	117	166347	50.23	ug/L	99
33) Benzene	5.39	78	415452	50.75	ug/L	100
34) Trichloroethene	6.19	95	107237	50.14	ug/L	99
35) Methylcyclohexane	6.42	83	168111	51.48	ug/L	100
37) 1,2-Dichloropropane	6.44	63	114337	51.04	ug/L	99
38) Bromodichloromethane	6.76	83	151428	50.74	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	173172	51.01	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	287220	93.32	ug/L	99
42) Toluene	7.64	91	449587	51.74	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	165477	51.21	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	107664	50.41	ug/L	95
46) Tetrachloroethene	8.23	164	94324	51.82	ug/L	99
48) 2-Hexanone	8.36	43	219426	91.51	ug/L	98
49) Dibromochloromethane	8.48	129	130967	50.86	ug/L	98
50) 1,2-Dibromoethane	8.59	107	117756	50.63	ug/L	97
51) Chlorobenzene	9.12	112	297828	50.83	ug/L	98
52) Ethylbenzene	9.25	91	483672	50.87	ug/L	98
53) m,p-Xylene	9.38	106	189410	52.13	ug/L	97
54) o-xylene	9.78	106	190450	52.82	ug/L	94
55) Styrene	9.80	104	320502	53.39	ug/L	99
56) Isopropylbenzene	10.17	105	487576	52.49	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	177781	48.98	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	140353	48.58	ug/L	100
61) Bromoform	9.96	173	98131	49.45	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	225604	49.44	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	234470	49.02	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	246020	50.65	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39309	46.11	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	173341	50.83	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	146859	50.93	ug/L	99
69) Naphthalene	13.74	128	425074	45.69	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	155903	50.30	ug/L	99

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

