

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026010.D
 Acq On : 09 Aug 2018 20:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Aug 10 05:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	309917	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297606	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	149847	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98492	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.96%
7) Chloroethane-d5	1.68	69	82010	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.32%
11) 1,1-Dichloroethene-d2	2.27	63	194685	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
21) 2-Butanone-d5	4.18	46	175611	93.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.01%
24) Chloroform-d	4.65	84	228775	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.31	65	149932	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.35	84	432595	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
36) 1,2-Dichloropropane-d6	6.34	67	140958	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.57	98	412007	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	68677	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.31	63	130000	95.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	206646	47.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	173771	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	136513	50.56	ug/L	100
3) Chloromethane	1.33	50	124201	51.27	ug/L	98
5) Vinyl chloride	1.40	62	119592	51.16	ug/L	98
6) Bromomethane	1.62	94	70435	56.35	ug/L	96
8) Chloroethane	1.70	64	71233	50.71	ug/L	95
9) Trichlorofluoromethane	1.89	101	168493	50.38	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94362	48.50	ug/L	100
12) 1,1-Dichloroethene	2.28	96	87137	48.70	ug/L	87
13) Acetone	2.32	43	104254	88.89	ug/L	100
14) Carbon disulfide	2.48	76	297033	50.46	ug/L	100
15) Methyl Acetate	2.62	43	122024	49.67	ug/L	100
16) Methylene chloride	2.70	84	112975	49.46	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	102366	51.35	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	333421	50.89	ug/L	100
19) 1,1-Dichloroethane	3.45	63	197623	51.11	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	115996	50.57	ug/L	100
22) 2-Butanone	4.26	43	167229	98.54	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62185	50.90	ug/L	96
25) Chloroform	4.68	83	205172	50.95	ug/L	99
27) 1,2-Dichloroethane	5.41	62	165502	49.76	ug/L	99
29) Cyclohexane	5.00	56	167345	50.31	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	184412	49.11	ug/L	99
31) Carbon tetrachloride	5.14	117	170025	49.59	ug/L	100
33) Benzene	5.39	78	430056	50.74	ug/L	100
34) Trichloroethene	6.19	95	109935	49.64	ug/L	98
35) Methylcyclohexane	6.42	83	174200	51.52	ug/L	99
37) 1,2-Dichloropropane	6.44	63	117696	50.75	ug/L	100
38) Bromodichloromethane	6.76	83	156447	50.63	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167915	47.77	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	318952	100.09	ug/L	99
42) Toluene	7.64	91	465803	51.77	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	165882	49.58	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	111727	50.53	ug/L	97
46) Tetrachloroethene	8.23	164	95555	50.70	ug/L	99
48) 2-Hexanone	8.36	43	244033	98.29	ug/L	99
49) Dibromochloromethane	8.48	129	136267	51.10	ug/L	98
50) 1,2-Dibromoethane	8.59	107	121362	50.39	ug/L	99
51) Chlorobenzene	9.12	112	310255	51.14	ug/L	99
52) Ethylbenzene	9.25	91	502221	51.01	ug/L	100
53) m,p-Xylene	9.38	106	193316	51.39	ug/L	99
54) o-xylene	9.78	106	194161	52.00	ug/L	97
55) Styrene	9.80	104	328758	52.89	ug/L	99
56) Isopropylbenzene	10.17	105	504256	52.43	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	187673	49.94	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	147595	49.34	ug/L	99
61) Bromoform	9.96	173	100619	49.59	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	231760	49.68	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	245893	50.28	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	254048	51.16	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	42607	48.89	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	174697	50.11	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	151205	51.28	ug/L	98
69) Naphthalene	13.75	128	485405	51.03	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	160922	50.78	ug/L	98

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

