

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026035.D
 Acq On : 10 Aug 2018 10:08
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Aug 11 00:55:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299164	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	285944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145913	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79743	36.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.94%
7) Chloroethane-d5	1.68	69	72870	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.27	63	170196	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.92%
21) 2-Butanone-d5	4.17	46	162952	89.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.41%
24) Chloroform-d	4.65	84	212808	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
26) 1,2-Dichloroethane-d4	5.31	65	141150	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
32) Benzene-d6	5.34	84	396309	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
36) 1,2-Dichloropropane-d6	6.33	67	131298	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.40%
41) Toluene-d8	7.57	98	373738	44.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	66623	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
47) 2-Hexanone-d5	8.31	63	118416	90.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	194450	46.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	161632	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	139859	53.66	ug/L	100
3) Chloromethane	1.33	50	120236	51.41	ug/L	97
5) Vinyl chloride	1.40	62	118943	52.71	ug/L	96
6) Bromomethane	1.62	94	73049	60.54	ug/L	98
8) Chloroethane	1.70	64	70794	52.21	ug/L	96
9) Trichlorofluoromethane	1.89	101	170707	52.87	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	96554	51.41	ug/L	97
12) 1,1-Dichloroethene	2.28	96	84141	48.72	ug/L	88
13) Acetone	2.32	43	139569	123.27	ug/L	98
14) Carbon disulfide	2.48	76	294875	51.89	ug/L	99
15) Methyl Acetate	2.61	43	114285	48.19	ug/L	99
16) Methylene chloride	2.70	84	111574	50.60	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	102576	53.30	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	324739	51.35	ug/L	99
19) 1,1-Dichloroethane	3.45	63	193833	51.93	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	115452	52.14	ug/L	98
22) 2-Butanone	4.26	43	177570	108.39	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63088	53.49	ug/L	97
25) Chloroform	4.68	83	204308	52.56	ug/L	99
27) 1,2-Dichloroethane	5.41	62	161965	50.45	ug/L	100
29) Cyclohexane	5.00	56	164393	51.44	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	182304	50.53	ug/L	99
31) Carbon tetrachloride	5.14	117	168669	51.20	ug/L	100
33) Benzene	5.39	78	422634	51.89	ug/L	100
34) Trichloroethene	6.19	95	108883	51.17	ug/L	98
35) Methylcyclohexane	6.42	83	178827	55.05	ug/L	99
37) 1,2-Dichloropropane	6.44	63	115953	52.03	ug/L	100
38) Bromodichloromethane	6.76	83	153428	51.68	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	182080	53.91	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	291585	95.23	ug/L	98
42) Toluene	7.64	91	461233	53.35	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	173767	54.05	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	109173	51.39	ug/L	98
46) Tetrachloroethene	8.23	164	97884	54.06	ug/L	98
48) 2-Hexanone	8.36	43	249148	104.45	ug/L	99
49) Dibromochloromethane	8.48	129	134007	52.31	ug/L	100
50) 1,2-Dibromoethane	8.59	107	119092	51.47	ug/L	99
51) Chlorobenzene	9.12	112	303739	52.11	ug/L	99
52) Ethylbenzene	9.25	91	502445	53.12	ug/L	99
53) m,p-Xylene	9.38	106	196982	54.50	ug/L	97
54) o-xylene	9.78	106	194090	54.10	ug/L	96
55) Styrene	9.80	104	329226	55.12	ug/L	99
56) Isopropylbenzene	10.17	105	510565	55.25	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	182427	50.52	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	141420	49.21	ug/L	98
61) Bromoform	9.96	173	98932	50.08	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	237498	52.28	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	247189	51.91	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	255888	52.92	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	38700	45.60	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	187051	55.10	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	151443	52.75	ug/L	99
69) Naphthalene	13.74	128	452617	48.87	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	162261	52.58	ug/L	100

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

