

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080218\
 Data File : VU025810.D
 Acq On : 02 Aug 2018 23:09
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Aug 03 06:49:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 05:43:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	316582	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	301386	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	163588	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93875	51.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.88%
7) Chloroethane-d5	1.68	69	74384	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.78%
11) 1,1-Dichloroethene-d2	2.27	63	190202	50.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.10%
21) 2-Butanone-d5	4.18	46	156273	112.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	4.65	84	203522	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.31	65	134006	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
32) Benzene-d6	5.35	84	392374	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.34	67	123854	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.46%
41) Toluene-d8	7.57	98	377648	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	7.85	79	65206	51.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.50%
47) 2-Hexanone-d5	8.31	63	117637	112.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.80%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	176299	50.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	162637	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	128616	41.23	ug/L	99
3) Chloromethane	1.33	50	102553	45.53	ug/L	98
5) Vinyl chloride	1.40	62	110185	44.60	ug/L	100
6) Bromomethane	1.63	94	47690	55.50	ug/L	99
8) Chloroethane	1.70	64	65138	44.77	ug/L	98
9) Trichlorofluoromethane	1.89	101	156171	44.39	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	91545	46.46	ug/L	99
12) 1,1-Dichloroethene	2.28	96	84626	47.37	ug/L	99
13) Acetone	2.32	43	109509	66.87	ug/L	98
14) Carbon disulfide	2.48	76	257847	44.32	ug/L	100
15) Methyl Acetate	2.62	43	119350	52.72	ug/L	100
16) Methylene chloride	2.70	84	102302	45.97	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	95053	46.21	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	326462	48.73	ug/L	99
19) 1,1-Dichloroethane	3.45	63	183964	47.01	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	111158	47.87	ug/L	95
22) 2-Butanone	4.27	43	161698	88.69	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57454	46.88	ug/L	99
25) Chloroform	4.68	83	196921	47.82	ug/L	100
27) 1,2-Dichloroethane	5.41	62	162081	48.26	ug/L	97
29) Cyclohexane	5.00	56	155373	44.50	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	177862	47.16	ug/L	99
31) Carbon tetrachloride	5.14	117	159114	45.63	ug/L	99
33) Benzene	5.39	78	436716	50.43	ug/L	100
34) Trichloroethene	6.19	95	109098	47.48	ug/L	98
35) Methylcyclohexane	6.42	83	155250	41.90	ug/L	98
37) 1,2-Dichloropropane	6.44	63	110922	46.87	ug/L	100
38) Bromodichloromethane	6.76	83	150321	48.18	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	168433	45.86	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	324711	104.49	ug/L	100
42) Toluene	7.64	91	439414	47.05	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	166065	47.96	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	106651	46.99	ug/L	97
46) Tetrachloroethene	8.23	164	90232	45.30	ug/L	98
48) 2-Hexanone	8.36	43	258976	98.62	ug/L	99
49) Dibromochloromethane	8.48	129	128503	48.26	ug/L	98
50) 1,2-Dibromoethane	8.59	107	116826	47.77	ug/L	98
51) Chlorobenzene	9.12	112	302165	48.06	ug/L	100
52) Ethylbenzene	9.25	91	496363	48.16	ug/L	100
53) m,p-Xylene	9.38	106	193637	49.05	ug/L	98
54) o-xylene	9.78	106	189948	47.41	ug/L	98
55) Styrene	9.80	104	325866	49.94	ug/L	99
56) Isopropylbenzene	10.17	105	500909	48.45	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	182052	49.72	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	136793	49.21	ug/L	99
61) Bromoform	9.96	173	97766	46.20	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	246494	47.64	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	254466	48.18	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	251858	46.46	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	42000	49.26	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	184912	46.29	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	164961	49.14	ug/L	99
69) Naphthalene	13.74	128	525907	52.10	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	172770	48.69	ug/L	99

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

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