

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026054.D
 Acq On : 13 Aug 2018 08:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Aug 14 01:09:58 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	298638	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	281254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106029	48.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.14%
7) Chloroethane-d5	1.68	69	85914	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.28%
11) 1,1-Dichloroethene-d2	2.28	63	199331	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
21) 2-Butanone-d5	4.17	46	147877	81.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.28%
24) Chloroform-d	4.65	84	225900	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.31	65	148321	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.34	84	437358	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
36) 1,2-Dichloropropane-d6	6.33	67	139451	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.57	98	416636	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%
43) trans-1,3-Dichloropropene-	7.85	79	71695	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
47) 2-Hexanone-d5	8.31	63	106059	82.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	189642	45.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	176643	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	128930	49.55	ug/L	98
3) Chloromethane	1.33	50	111271	47.66	ug/L	100
5) Vinyl chloride	1.40	62	111437	49.47	ug/L	97
6) Bromomethane	1.62	94	64826	53.82	ug/L	97
8) Chloroethane	1.70	64	67289	49.71	ug/L	100
9) Trichlorofluoromethane	1.89	101	163536	50.74	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90287	48.16	ug/L	99
12) 1,1-Dichloroethene	2.28	96	81479	47.26	ug/L	95
13) Acetone	2.32	43	144789	128.11	ug/L	99
14) Carbon disulfide	2.48	76	282368	49.78	ug/L	99
15) Methyl Acetate	2.61	43	102276	43.20	ug/L	99
16) Methylene chloride	2.70	84	105136	47.76	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	95085	49.49	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	306715	48.58	ug/L	99
19) 1,1-Dichloroethane	3.45	63	183163	49.16	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	109476	49.53	ug/L	97
22) 2-Butanone	4.26	43	164260	100.44	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58156	49.40	ug/L	100
25) Chloroform	4.67	83	195750	50.45	ug/L	98
27) 1,2-Dichloroethane	5.40	62	152847	47.70	ug/L	99
29) Cyclohexane	5.00	56	156964	49.93	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	173564	48.91	ug/L	100
31) Carbon tetrachloride	5.14	117	162970	50.29	ug/L	99
33) Benzene	5.39	78	402668	50.27	ug/L	100
34) Trichloroethene	6.19	95	106010	50.66	ug/L	99
35) Methylcyclohexane	6.42	83	171036	53.52	ug/L	99
37) 1,2-Dichloropropane	6.44	63	109739	50.07	ug/L	100
38) Bromodichloromethane	6.76	83	150728	51.62	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	168106	50.60	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	262801	87.26	ug/L	99
42) Toluene	7.64	91	432801	50.90	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	161810	51.17	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	101995	48.81	ug/L	99
46) Tetrachloroethene	8.23	164	92015	51.67	ug/L	99
48) 2-Hexanone	8.36	43	219838	93.70	ug/L	99
49) Dibromochloromethane	8.48	129	128326	50.92	ug/L	99
50) 1,2-Dibromoethane	8.59	107	109542	48.13	ug/L	100
51) Chlorobenzene	9.12	112	288726	50.36	ug/L	98
52) Ethylbenzene	9.25	91	474730	51.02	ug/L	99
53) m,p-Xylene	9.38	106	186482	52.45	ug/L	97
54) o-xylene	9.78	106	179949	51.00	ug/L	100
55) Styrene	9.79	104	310952	52.93	ug/L	99
56) Isopropylbenzene	10.17	105	478446	52.63	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	165472	46.59	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	130821	46.28	ug/L	98
61) Bromoform	9.96	173	97084	49.06	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	226299	49.74	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	231100	48.45	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	239287	49.41	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	36930	43.45	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	177576	52.22	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	144001	50.08	ug/L	100
69) Naphthalene	13.74	128	415319	44.77	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	151153	48.91	ug/L	99

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

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