

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080818\
 Data File : VU025972.D
 Acq On : 08 Aug 2018 12:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 01:13:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	307455	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	81201	47.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.32%
7) Chloroethane-d5	1.64	69	48217	37.74	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.48%
11) 1,1-Dichloroethene-d2	2.25	63	163871	49.66	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.32%
21) 2-Butanone-d5	4.19	46	125590	107.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.13%
24) Chloroform-d	4.64	84	175502	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.42%
26) 1,2-Dichloroethane-d4	5.31	65	113236	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
32) Benzene-d6	5.34	84	330593	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
36) 1,2-Dichloropropane-d6	6.33	67	103965	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.74%
41) Toluene-d8	7.57	98	315422	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%
43) trans-1,3-Dichloropropene-	7.85	79	53670	50.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.16%
47) 2-Hexanone-d5	8.32	63	94601	111.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.23%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	170013	60.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.10%#
64) 1,2-Dichlorobenzene-d4	11.87	152	146239	54.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	125140	53.507	ug/L 99
3) Chloromethane	1.33	50	126137	64.102	ug/L 100
5) Vinyl chloride	1.40	62	117867	55.538	ug/L 96
6) Bromomethane	1.60	94	43767m	46.567	ug/L
8) Chloroethane	1.66	64	52371	42.617	ug/L 98
9) Trichlorofluoromethane	1.84	101	167742	54.865	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	93867	55.545	ug/L 98
12) 1,1-Dichloroethene	2.26	96	82231	52.987	ug/L 90
13) Acetone	2.33	43	140764	101.434	ug/L 100
14) Carbon disulfide	2.46	76	279453	50.542	ug/L 100
15) Methyl Acetate	2.62	43	113807	53.707	ug/L 99
16) Methylene chloride	2.69	84	109651	54.217	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	99093	51.783	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	333180	54.763	ug/L 100
19) 1,1-Dichloroethane	3.44	63	191545	55.189	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	113272	52.981	ug/L 95
22) 2-Butanone	4.27	43	181443	104.578	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	59368	52.889	ug/L	98
25) Chloroform	4.67	83	200892	54.638	ug/L	100
27) 1,2-Dichloroethane	5.40	62	164269	56.027	ug/L	99
29) Cyclohexane	4.99	56	165998	52.817	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	179191	52.786	ug/L	99
31) Carbon tetrachloride	5.13	117	165764	54.606	ug/L	99
33) Benzene	5.39	78	417375	53.541	ug/L	100
34) Trichloroethene	6.18	95	109860	50.641	ug/L	97
35) Methylcyclohexane	6.41	83	174529	53.152	ug/L	97
37) 1,2-Dichloropropane	6.43	63	116045	55.719	ug/L	99
38) Bromodichloromethane	6.76	83	152829	53.982	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	178673	52.671	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	321402	113.174	ug/L	99
42) Toluene	7.64	91	453367	53.292	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	171443	53.470	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	111466	56.031	ug/L	99
46) Tetrachloroethene	8.23	164	93974	50.401	ug/L	98
48) 2-Hexanone	8.37	43	276647	120.747	ug/L	98
49) Dibromochloromethane	8.48	129	134335	54.975	ug/L	98
50) 1,2-Dibromoethane	8.59	107	118223	52.978	ug/L	96
51) Chlorobenzene	9.12	112	305485	52.441	ug/L	98
52) Ethylbenzene	9.25	91	508148	52.502	ug/L	99
53) m,p-Xylene	9.38	106	198395	52.253	ug/L	98
54) o-xylene	9.78	106	200358	55.418	ug/L	96
55) Styrene	9.80	104	336906	55.305	ug/L	100
56) Isopropylbenzene	10.17	105	518496	53.960	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	206038	61.603	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	159637	60.225	ug/L	99
61) Bromoform	9.97	173	108076	58.397	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	259547	53.529	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	264920	53.629	ug/L	98
65) 1,2-Dichlorobenzene	11.89	146	275813	56.731	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	41848	56.640	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	193830	54.251	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	150991	48.694	ug/L	99
69) Naphthalene	13.75	128	442180	48.524	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	154855	48.743	ug/L	100

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

