

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034656.D
 Acq On : 19 Sep 2019 18:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Sep 20 03:46:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 19 17:44:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	481348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	462799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	220568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	244132	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.08%
7) Chloroethane-d5	1.67	69	206498	54.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.44%
11) 1,1-Dichloroethene-d2	2.26	63	429858	51.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.02%
21) 2-Butanone-d5	4.16	46	416440	110.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.27%
24) Chloroform-d	4.62	84	370537	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
26) 1,2-Dichloroethane-d4	5.29	65	265980	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
32) Benzene-d6	5.32	84	722969	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.31	67	254312	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.54	98	691456	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.83	79	125088	52.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.18%
47) 2-Hexanone-d5	8.29	63	268849	106.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339647	48.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.64%
64) 1,2-Dichlorobenzene-d4	11.84	152	230080	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	235782	47.526	ug/L	100
3) Chloromethane	1.32	50	277776	46.743	ug/L	98
5) Vinyl chloride	1.40	62	260122	47.926	ug/L	99
6) Bromomethane	1.62	94	171759	57.942	ug/L	96
8) Chloroethane	1.69	64	156083	49.953	ug/L	97
9) Trichlorofluoromethane	1.87	101	334076	48.816	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	157462	47.988	ug/L	97
12) 1,1-Dichloroethene	2.27	96	157600	50.043	ug/L	92
13) Acetone	2.32	43	346002	78.758	ug/L	98
14) Carbon disulfide	2.46	76	511615	48.147	ug/L	100
15) Methyl Acetate	2.60	43	289047	49.254	ug/L	99
16) Methylene chloride	2.68	84	188131	47.159	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	163644	47.527	ug/L	95
18) Methyl tert-butyl Ether	2.98	73	620163	48.548	ug/L	99
19) 1,1-Dichloroethane	3.42	63	373345	47.266	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	194180	48.232	ug/L	98
22) 2-Butanone	4.24	43	475893	91.053	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	91297	47.377	ug/L	95
25) Chloroform	4.65	83	369318	47.481	ug/L	98
27) 1,2-Dichloroethane	5.38	62	323342	48.123	ug/L	99
29) Cyclohexane	4.97	56	366083	47.924	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	299928	47.616	ug/L	99
31) Carbon tetrachloride	5.11	117	256419	47.765	ug/L	98
33) Benzene	5.37	78	780604	48.633	ug/L	100
34) Trichloroethene	6.16	95	189693	47.853	ug/L	97
35) Methylcyclohexane	6.39	83	324633	48.258	ug/L	98
37) 1,2-Dichloropropane	6.41	63	227072	47.511	ug/L #	97
38) Bromodichloromethane	6.73	83	276139	47.643	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	351004	48.878	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	887973	97.316	ug/L	99
42) Toluene	7.61	91	826574	47.650	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	321796	49.707	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	183683	47.980	ug/L	96
46) Tetrachloroethene	8.21	164	135024	48.424	ug/L	94
48) 2-Hexanone	8.34	43	673239	94.469	ug/L	98
49) Dibromochloromethane	8.45	129	206817	48.467	ug/L	99
50) 1,2-Dibromoethane	8.57	107	200260	48.536	ug/L	100
51) Chlorobenzene	9.10	112	497934	47.220	ug/L	98
52) Ethylbenzene	9.23	91	930437	47.632	ug/L	99
53) m,p-Xylene	9.35	106	330405	47.755	ug/L	97
54) o-xylene	9.76	106	327069	47.794	ug/L	98
55) Styrene	9.77	104	557152	48.098	ug/L	98
56) Isopropylbenzene	10.14	105	871520	47.232	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	347732	47.291	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	276480	46.316	ug/L	100
61) Bromoform	9.94	173	150191	49.456	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	365627	47.867	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	368502	47.358	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	369316	47.852	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	81976	49.971	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	253254	49.484	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	224524	55.787	ug/L	98
69) Naphthalene	13.72	128	805345	57.803	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	225954	54.563	ug/L	98

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

