

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033781.D
 Acq On : 13 Aug 2019 14:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Aug 14 04:23:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:16:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	455495	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	439928	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	236012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	189397	43.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.56%
7) Chloroethane-d5	1.67	69	182180	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.26	63	322931	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.42%
21) 2-Butanone-d5	4.16	46	227142	94.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.38%
24) Chloroform-d	4.62	84	298335	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
26) 1,2-Dichloroethane-d4	5.29	65	184260	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
32) Benzene-d6	5.32	84	591810	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.31	67	186949	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.80%
41) Toluene-d8	7.55	98	559302	47.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.18%
43) trans-1,3-Dichloropropene-	7.83	79	93510	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.30	63	166765	102.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.33%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	268559	46.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.40%
66) 1,2-Dichlorobenzene-d4	11.85	152	223039	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	221006	48.674	ug/L 99
3) Chloromethane	1.32	50	220696	46.815	ug/L 98
5) Vinyl chloride	1.39	62	243162	47.634	ug/L 98
6) Bromomethane	1.62	94	159412	42.544	ug/L 99
8) Chloroethane	1.69	64	175463	48.093	ug/L 98
9) Trichlorofluoromethane	1.87	101	315592	48.113	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	158708	49.435	ug/L 97
12) 1,1-Dichloroethene	2.27	96	154941	49.052	ug/L 94
13) Acetone	2.32	43	227091	103.597	ug/L 95
14) Carbon disulfide	2.46	76	481820	48.183	ug/L 100
15) Methyl Acetate	2.60	43	171361	46.766	ug/L 100
16) Methylene chloride	2.68	84	172159	47.739	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	160900	48.946	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	491220	50.270	ug/L 99
19) 1,1-Dichloroethane	3.42	63	297609	47.118	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	177857	49.272	ug/L 97
22) 2-Butanone	4.24	43	273816	102.823	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	91686	49.019	ug/L	94
25) Chloroform	4.65	83	303440	46.225	ug/L	99
27) 1,2-Dichloroethane	5.38	62	239240	46.917	ug/L	98
29) Cyclohexane	4.97	56	261515	54.085	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	260478	48.273	ug/L	98
31) Carbon tetrachloride	5.11	117	240743	50.234	ug/L	98
33) Benzene	5.36	78	673046	50.005	ug/L	100
34) Trichloroethene	6.16	95	175709	49.277	ug/L	98
35) Methylcyclohexane	6.40	83	280088	53.893	ug/L	97
37) 1,2-Dichloropropane	6.41	63	177622	48.431	ug/L	100
38) Bromodichloromethane	6.74	83	228269	48.236	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	278256	51.398	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	455834	99.894	ug/L	98
42) Toluene	7.62	91	727313	51.164	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	254113	51.532	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	167046	48.261	ug/L	99
46) Tetrachloroethene	8.21	164	146888	52.525	ug/L	98
48) 2-Hexanone	8.34	43	380487	108.933	ug/L	99
49) Dibromochloromethane	8.46	129	192894	49.917	ug/L	100
50) 1,2-Dibromoethane	8.57	107	182956	50.386	ug/L	100
51) Chlorobenzene	9.10	112	464959	50.259	ug/L	99
52) Ethylbenzene	9.23	91	781424	52.241	ug/L	100
53) m,p-Xylene	9.36	106	299599	53.581	ug/L	99
54) o-xylene	9.76	106	293499	53.355	ug/L	96
55) Styrene	9.77	104	504296	54.005	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	277740	47.976	ug/L	99
59) Bromoform	9.94	173	147274	48.843	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	223917	47.152	ug/L	99
61) Isopropylbenzene	10.15	105	766347	52.449	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	644220	54.615	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	647913	55.358	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	377713	51.530	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	384103	51.127	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	375435	50.403	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	64353	48.592	ug/L	97
69) 1,3,5-Trichlorobenzene	12.87	180	298445	53.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	263462	57.373	ug/L	98
71) Naphthalene	13.73	128	804308	58.841	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	269519	55.991	ug/L	99

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

