

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033907.D
 Acq On : 22 Aug 2019 17:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Aug 23 02:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	616597	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	609049	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	309279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	247893	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.68%
7) Chloroethane-d5	1.67	69	201339	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.26	63	449484	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.16%
21) 2-Butanone-d5	4.14	46	367609	101.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.03%
24) Chloroform-d	4.62	84	418410	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
26) 1,2-Dichloroethane-d4	5.28	65	263946	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
32) Benzene-d6	5.32	84	839427	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.31	67	271471	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.72%
41) Toluene-d8	7.54	98	766737	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	7.83	79	126760	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.84%
47) 2-Hexanone-d5	8.29	63	240991	103.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	383406	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	11.84	152	286413	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	268639	47.062	ug/L 99
3) Chloromethane	1.32	50	265709	48.444	ug/L 100
5) Vinyl chloride	1.39	62	308009	47.809	ug/L 98
6) Bromomethane	1.61	94	132120	52.930	ug/L 98
8) Chloroethane	1.69	64	183143	47.386	ug/L 100
9) Trichlorofluoromethane	1.87	101	354139	46.872	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	203420	47.088	ug/L 99
12) 1,1-Dichloroethene	2.27	96	198071	47.629	ug/L 97
13) Acetone	2.30	43	296072	89.087	ug/L 100
14) Carbon disulfide	2.46	76	624066	46.661	ug/L 99
15) Methyl Acetate	2.60	43	285385	49.309	ug/L 100
16) Methylene chloride	2.68	84	236507	47.203	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	213348	47.765	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	675183	49.939	ug/L 99
19) 1,1-Dichloroethane	3.42	63	424490	47.688	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	241715	49.163	ug/L 99
22) 2-Butanone	4.23	43	415638	99.542	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	120916	47.821	ug/L	98
25) Chloroform	4.65	83	419548	47.590	ug/L	98
27) 1,2-Dichloroethane	5.38	62	331366	47.900	ug/L	100
29) Cyclohexane	4.97	56	362739	51.619	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	339020	48.334	ug/L	99
31) Carbon tetrachloride	5.11	117	302139	48.530	ug/L	100
33) Benzene	5.36	78	919313	49.918	ug/L	100
34) Trichloroethene	6.16	95	228221	47.760	ug/L	98
35) Methylcyclohexane	6.39	83	361603	50.194	ug/L	100
37) 1,2-Dichloropropane	6.41	63	249736	49.567	ug/L	99
38) Bromodichloromethane	6.73	83	314739	48.344	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	383341	51.189	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	747261	103.554	ug/L	99
42) Toluene	7.61	91	951662	49.938	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	344157	50.999	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	224126	48.484	ug/L	98
46) Tetrachloroethene	8.21	164	176901	47.636	ug/L	96
48) 2-Hexanone	8.34	43	588895	105.097	ug/L	99
49) Dibromochloromethane	8.46	129	250301	48.809	ug/L	100
50) 1,2-Dibromoethane	8.57	107	242578	49.208	ug/L	100
51) Chlorobenzene	9.10	112	609480	48.357	ug/L	99
52) Ethylbenzene	9.23	91	1047140	50.871	ug/L	99
53) m,p-Xylene	9.36	106	392890	51.796	ug/L	97
54) o-xylene	9.76	106	383668	51.313	ug/L	98
55) Styrene	9.77	104	667657	52.442	ug/L	100
56) Isopropylbenzene	10.15	105	1008521	51.907	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	396786	49.523	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	316731	49.189	ug/L	99
61) Bromoform	9.94	173	190237	48.761	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	473734	48.763	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	472788	46.966	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	471498	48.646	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	88262	49.653	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	361792	48.449	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	315328	51.499	ug/L	98
69) Naphthalene	13.73	128	984963	53.878	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	329854	50.976	ug/L	100

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

