

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091719\
 Data File : VU034604.D
 Acq On : 17 Sep 2019 10:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Sep 18 04:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 17 05:01:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	266195	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	252804	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	117667	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	53177	41.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.82%
7) Chloroethane-d5	1.67	69	44995	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.10%
11) 1,1-Dichloroethene-d2	2.26	63	116516	44.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.68%
21) 2-Butanone-d5	4.15	46	141827	97.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.94%
24) Chloroform-d	4.62	84	131922	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
26) 1,2-Dichloroethane-d4	5.28	65	84619	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.31	84	246507	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.70%
36) 1,2-Dichloropropane-d6	6.31	67	92663	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	7.54	98	238054	44.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.22%
43) trans-1,3-Dichloropropene-	7.83	79	44778	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.72%
47) 2-Hexanone-d5	8.29	63	102622	91.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	143563	44.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	92051	43.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	76912	46.896	ug/L 98
3) Chloromethane	1.32	50	75254	44.960	ug/L 99
5) Vinyl chloride	1.40	62	75004	45.644	ug/L 98
6) Bromomethane	1.62	94	34872	40.595	ug/L 97
8) Chloroethane	1.69	64	46967	49.882	ug/L 96
9) Trichlorofluoromethane	1.87	101	107217	46.109	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	62736	45.279	ug/L 96
12) 1,1-Dichloroethene	2.27	96	53083	41.956	ug/L 88
13) Acetone	2.31	43	155055	119.144	ug/L 99
14) Carbon disulfide	2.46	76	137003	44.110	ug/L 100
15) Methyl Acetate	2.60	43	101163	47.494	ug/L 95
16) Methylene chloride	2.68	84	74136	44.337	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	60977	45.033	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	252048	44.960	ug/L 100
19) 1,1-Dichloroethane	3.42	63	140991	46.250	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	76991	43.905	ug/L 96
22) 2-Butanone	4.23	43	178709	107.943	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	35608	43.010	ug/L	94
25) Chloroform	4.65	83	150173	47.106	ug/L	99
27) 1,2-Dichloroethane	5.38	62	109124	48.343	ug/L	96
29) Cyclohexane	4.97	56	111366	45.188	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	113991	45.124	ug/L	98
31) Carbon tetrachloride	5.11	117	97303	45.625	ug/L	100
33) Benzene	5.36	78	292550	45.621	ug/L	100
34) Trichloroethene	6.16	95	72163	45.175	ug/L	96
35) Methylcyclohexane	6.39	83	111909	46.211	ug/L	99
37) 1,2-Dichloropropane	6.41	63	89986	46.234	ug/L	99
38) Bromodichloromethane	6.73	83	113664	44.673	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	138794	47.465	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	314253	92.821	ug/L	99
42) Toluene	7.61	91	316325	45.750	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	124431	46.406	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	81309	45.778	ug/L	98
46) Tetrachloroethene	8.21	164	45341	42.761	ug/L	99
48) 2-Hexanone	8.34	43	245112	96.370	ug/L	98
49) Dibromochloromethane	8.45	129	86995	43.247	ug/L	98
50) 1,2-Dibromoethane	8.57	107	80903	43.579	ug/L #	99
51) Chlorobenzene	9.10	112	201947	44.707	ug/L	99
52) Ethylbenzene	9.23	91	364105	45.515	ug/L	98
53) m,p-Xylene	9.35	106	128971	44.843	ug/L	95
54) o-xylene	9.76	106	132714	45.483	ug/L	94
55) Styrene	9.77	104	226651	45.129	ug/L	95
56) Isopropylbenzene	10.14	105	352523	44.919	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	155975	44.159	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	120408	45.292	ug/L	99
61) Bromoform	9.94	173	59537	41.089	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	146937	43.184	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	148697	43.279	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	152914	44.553	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	35875	46.136	ug/L	89
67) 1,3,5-Trichlorobenzene	12.86	180	94770	42.734	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	81359	42.945	ug/L	98
69) Naphthalene	13.72	128	314510	44.934	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	82484	42.529	ug/L	98

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

