

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081819\
 Data File : VU033834.D
 Acq On : 16 Aug 2019 14:33
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Aug 17 02:17:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 17 02:15:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	387783	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	383969	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	205875	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144509	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.84%
7) Chloroethane-d5	1.67	69	132466	40.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.26	63	251829	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
21) 2-Butanone-d5	4.15	46	200151	109.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.39%
24) Chloroform-d	4.62	84	264541	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.29	65	165181	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
32) Benzene-d6	5.32	84	499785	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
36) 1,2-Dichloropropane-d6	6.31	67	162975	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.55	98	463440	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%
43) trans-1,3-Dichloropropene-	7.83	79	77046	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.76%
47) 2-Hexanone-d5	8.30	63	141004	109.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.79%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	238759	49.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.08%
64) 1,2-Dichlorobenzene-d4	11.84	152	192302	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	190309	50.055	ug/L 99
3) Chloromethane	1.32	50	192318	49.183	ug/L 100
5) Vinyl chloride	1.39	62	208644	47.903	ug/L 100
6) Bromomethane	1.62	94	178018	54.059	ug/L 100
8) Chloroethane	1.69	64	133251	44.163	ug/L 95
9) Trichlorofluoromethane	1.87	101	276280	47.831	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	139149	50.324	ug/L 99
12) 1,1-Dichloroethene	2.27	96	128273	47.862	ug/L 94
13) Acetone	2.31	43	182671	101.585	ug/L 98
14) Carbon disulfide	2.46	76	397213	47.001	ug/L 100
15) Methyl Acetate	2.60	43	148636	50.123	ug/L 99
16) Methylene chloride	2.68	84	151699	48.846	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	135856	48.628	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	404900	49.662	ug/L 99
19) 1,1-Dichloroethane	3.42	63	262212	48.773	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	150083	49.660	ug/L 97
22) 2-Butanone	4.24	43	226810	109.601	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	79130	48.022	ug/L	95
25) Chloroform	4.65	83	270798	48.468	ug/L	98
27) 1,2-Dichloroethane	5.38	62	211380	49.902	ug/L	98
29) Cyclohexane	4.97	56	217241	52.807	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	226611	49.023	ug/L	99
31) Carbon tetrachloride	5.11	117	204370	48.585	ug/L	99
33) Benzene	5.37	78	583595	50.315	ug/L	100
34) Trichloroethene	6.16	95	152365	49.221	ug/L	99
35) Methylcyclohexane	6.40	83	239211	52.771	ug/L	99
37) 1,2-Dichloropropane	6.41	63	156642	49.318	ug/L	100
38) Bromodichloromethane	6.74	83	203095	49.387	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	232133	50.147	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	391810	105.086	ug/L	100
42) Toluene	7.62	91	638759	52.094	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	216907	50.987	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	147013	49.314	ug/L	99
46) Tetrachloroethene	8.21	164	122662	49.426	ug/L	98
48) 2-Hexanone	8.34	43	319425	109.258	ug/L	99
49) Dibromochloromethane	8.46	129	165699	49.224	ug/L	99
50) 1,2-Dibromoethane	8.57	107	159493	50.247	ug/L	100
51) Chlorobenzene	9.10	112	401984	49.635	ug/L	99
52) Ethylbenzene	9.23	91	665739	51.245	ug/L	100
53) m,p-Xylene	9.36	106	254274	52.289	ug/L	97
54) o-xylene	9.76	106	247205	52.463	ug/L	97
55) Styrene	9.77	104	435645	53.959	ug/L	100
56) Isopropylbenzene	10.15	105	647999	52.596	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	237760	49.275	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	193853	50.388	ug/L	98
61) Bromoform	9.94	173	123587	48.200	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	317180	49.096	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	324760	48.558	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	316217	48.828	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	53482	49.668	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	241365	48.435	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	201662	49.421	ug/L	99
69) Naphthalene	13.73	128	587166	52.136	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	211706	49.989	ug/L	98

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

