

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080919\
 Data File : VU033717.D
 Acq On : 10 Aug 2019 05:27
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Aug 10 08:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 04:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	328294	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	324508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	172434	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	134359	55.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.20%
7) Chloroethane-d5	1.67	69	105723	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.26	63	224944	55.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.72%
21) 2-Butanone-d5	4.15	46	185524	123.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.83%
24) Chloroform-d	4.62	84	204963	57.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.18%
26) 1,2-Dichloroethane-d4	5.28	65	126355	56.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.56%
32) Benzene-d6	5.32	84	419389	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
36) 1,2-Dichloropropane-d6	6.31	67	131911	56.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.26%
41) Toluene-d8	7.55	98	393595	54.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.28%
43) trans-1,3-Dichloropropene-	7.83	79	60992	51.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.78%
47) 2-Hexanone-d5	8.29	63	143068	117.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.53%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196977	56.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.32%
64) 1,2-Dichlorobenzene-d4	11.84	152	156321	53.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	116936	48.827 ug/L	99
3) Chloromethane	1.32	50	128668	51.871 ug/L	99
5) Vinyl chloride	1.39	62	140862	50.970 ug/L	98
6) Bromomethane	1.61	94	68176	30.407 ug/L	98
8) Chloroethane	1.69	64	89036	42.320 ug/L	99
9) Trichlorofluoromethane	1.87	101	188607	50.330 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	96440	49.072 ug/L	98
12) 1,1-Dichloroethene	2.27	96	96398	49.935 ug/L	96
13) Acetone	2.31	43	129412	85.911 ug/L	99
14) Carbon disulfide	2.46	76	272533	50.290 ug/L	98
15) Methyl Acetate	2.60	43	134847	53.727 ug/L	97
16) Methylene chloride	2.68	84	114524	51.127 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	102473	49.527 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	337482	49.871 ug/L	99
19) 1,1-Dichloroethane	3.42	63	198522	50.844 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	117843	49.933 ug/L	97
22) 2-Butanone	4.23	43	203167	108.364 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61864	50.946	ug/L	96
25) Chloroform	4.65	83	204876	50.301	ug/L	99
27) 1,2-Dichloroethane	5.38	62	162570	52.407	ug/L	100
29) Cyclohexane	4.97	56	166816	48.714	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	171829	48.796	ug/L	99
31) Carbon tetrachloride	5.11	117	152825	48.372	ug/L	98
33) Benzene	5.37	78	439713	48.690	ug/L	100
34) Trichloroethene	6.16	95	113175	47.496	ug/L	97
35) Methylcyclohexane	6.40	83	171423	47.261	ug/L	98
37) 1,2-Dichloropropane	6.41	63	122001	50.620	ug/L	99
38) Bromodichloromethane	6.74	83	152624	49.284	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	178945	46.721	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	375106	104.651	ug/L	98
42) Toluene	7.62	91	482911	49.429	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	161544	47.346	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	115157	48.877	ug/L	99
46) Tetrachloroethene	8.21	164	90326	45.985	ug/L	96
48) 2-Hexanone	8.34	43	295911	104.847	ug/L	98
49) Dibromochloromethane	8.46	129	129284	48.972	ug/L	99
50) 1,2-Dibromoethane	8.57	107	127693	49.019	ug/L	98
51) Chlorobenzene	9.10	112	308510	48.039	ug/L	99
52) Ethylbenzene	9.23	91	517669	48.437	ug/L	100
53) m,p-Xylene	9.36	106	194966	47.790	ug/L	97
54) o-xylene	9.76	106	195424	48.465	ug/L	99
55) Styrene	9.77	104	337179	49.831	ug/L	98
56) Isopropylbenzene	10.15	105	509123	48.113	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	206658	49.930	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	161691	49.626	ug/L	100
61) Bromoform	9.94	173	100856	48.724	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	254582	48.499	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	256027	48.153	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	261654	50.421	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	50882	51.898	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	199864	47.846	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	182018	48.163	ug/L	99
69) Naphthalene	13.73	128	595352	52.595	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	192854	49.362	ug/L	99

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

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