

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
 Data File : VU033578.D
 Acq On : 02 Aug 2019 18:24
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Aug 03 00:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 03 00:39:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	284296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	283716	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	152849	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	76750	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.67	69	75383	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.02%
11) 1,1-Dichloroethene-d2	2.26	63	157229	41.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.82%
21) 2-Butanone-d5	4.17	46	167748	122.53	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.53%
24) Chloroform-d	4.62	84	169238	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.29	65	106527	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.10%
32) Benzene-d6	5.32	84	311323	44.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.54%
36) 1,2-Dichloropropane-d6	6.31	67	105807	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.55	98	285205	43.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.54%
43) trans-1,3-Dichloropropene-	7.83	79	51156	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
47) 2-Hexanone-d5	8.30	63	120830	115.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.43%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	177916	52.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.66%
64) 1,2-Dichlorobenzene-d4	11.84	152	127823	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	139395	51.994	ug/L 98
3) Chloromethane	1.32	50	143724	53.221	ug/L 99
5) Vinyl chloride	1.39	62	151941	52.485	ug/L 99
6) Bromomethane	1.62	94	91070	35.654	ug/L 97
8) Chloroethane	1.69	64	98777	56.152	ug/L 96
9) Trichlorofluoromethane	1.87	101	216079	57.059	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	101693	52.970	ug/L 99
12) 1,1-Dichloroethene	2.27	96	95174	51.695	ug/L 91
13) Acetone	2.33	43	141399	100.952	ug/L 100
14) Carbon disulfide	2.46	76	278543	48.237	ug/L 100
15) Methyl Acetate	2.61	43	132794	59.551	ug/L 99
16) Methylene chloride	2.68	84	114738	54.561	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	100671	52.192	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	325264	55.298	ug/L 98
19) 1,1-Dichloroethane	3.42	63	200679	55.428	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	116469	53.796	ug/L 98
22) 2-Butanone	4.25	43	199183	119.119	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	60803	53.826	ug/L	99
25) Chloroform	4.65	83	209139	54.891	ug/L	98
27) 1,2-Dichloroethane	5.38	62	164013	55.905	ug/L	100
29) Cyclohexane	4.97	56	162202	52.413	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	172367	52.800	ug/L	99
31) Carbon tetrachloride	5.11	117	152351	53.590	ug/L	100
33) Benzene	5.37	78	443047	54.131	ug/L	100
34) Trichloroethene	6.16	95	113488	52.565	ug/L	99
35) Methylcyclohexane	6.40	83	176230	52.308	ug/L	99
37) 1,2-Dichloropropane	6.41	63	122499	55.914	ug/L	100
38) Bromodichloromethane	6.74	83	154897	54.692	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	175987	51.466	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	355650	117.577	ug/L	99
42) Toluene	7.62	91	482184	54.788	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	164509	53.235	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	115410	55.489	ug/L	99
46) Tetrachloroethene	8.21	164	90535	51.363	ug/L	99
48) 2-Hexanone	8.35	43	288247	117.893	ug/L	100
49) Dibromochloromethane	8.46	129	127766	53.994	ug/L	100
50) 1,2-Dibromoethane	8.57	107	125349	54.409	ug/L	100
51) Chlorobenzene	9.10	112	303826	52.730	ug/L	99
52) Ethylbenzene	9.23	91	510585	53.876	ug/L	99
53) m,p-Xylene	9.36	106	195799	53.818	ug/L	97
54) o-xylene	9.76	106	193764	54.903	ug/L	99
55) Styrene	9.77	104	336913	56.208	ug/L	99
56) Isopropylbenzene	10.15	105	501096	54.341	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	206695	55.100	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	161683	55.911	ug/L	99
61) Bromoform	9.94	173	98569	53.386	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	245402	52.278	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	250856	51.438	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	250655	52.810	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	48705	55.541	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	186104	49.142	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	161506	49.910	ug/L	98
69) Naphthalene	13.73	128	503380	54.219	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	172923	50.812	ug/L	98

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

