

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033930.D
 Acq On : 23 Aug 2019 03:44
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Aug 23 05:06:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:53:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	572507	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	573397	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	292735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	246418	49.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.16%
7) Chloroethane-d5	1.67	69	202631	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.76%
11) 1,1-Dichloroethene-d2	2.25	63	454883	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.46%
21) 2-Butanone-d5	4.15	46	372125	110.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.15%
24) Chloroform-d	4.62	84	424499	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	5.28	65	274270	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
32) Benzene-d6	5.32	84	851780	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
36) 1,2-Dichloropropane-d6	6.31	67	278345	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.32%
41) Toluene-d8	7.54	98	768661	52.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.44%
43) trans-1,3-Dichloropropene-	7.83	79	123441	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.22%
47) 2-Hexanone-d5	8.29	63	252616	114.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.93%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	388325	51.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.18%
64) 1,2-Dichlorobenzene-d4	11.84	152	292116	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	249064	46.993	ug/L	99
3) Chloromethane	1.32	50	238402	46.813	ug/L	98
5) Vinyl chloride	1.39	62	288841	48.286	ug/L	99
6) Bromomethane	1.61	94	86403	37.280	ug/L	98
8) Chloroethane	1.68	64	174181	48.538	ug/L	99
9) Trichlorofluoromethane	1.87	101	335249	47.789	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	185319	46.201	ug/L	98
12) 1,1-Dichloroethene	2.27	96	183831	47.610	ug/L	95
13) Acetone	2.30	43	252877	81.950	ug/L	99
14) Carbon disulfide	2.46	76	586935	47.264	ug/L	100
15) Methyl Acetate	2.60	43	271317	50.489	ug/L	99
16) Methylene chloride	2.68	84	226185	48.620	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	198061	47.757	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	632074	50.351	ug/L	99
19) 1,1-Dichloroethane	3.42	63	405885	49.109	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	225729	49.447	ug/L	97
22) 2-Butanone	4.23	43	386162	99.605	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	114416	48.736	ug/L	98
25) Chloroform	4.65	83	404159	49.375	ug/L	98
27) 1,2-Dichloroethane	5.38	62	319609	49.759	ug/L	99
29) Cyclohexane	4.97	56	335525	50.715	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	323330	48.963	ug/L	99
31) Carbon tetrachloride	5.11	117	282802	48.248	ug/L	99
33) Benzene	5.36	78	874887	50.460	ug/L	100
34) Trichloroethene	6.16	95	212091	47.144	ug/L	99
35) Methylcyclohexane	6.39	83	322154	47.499	ug/L	98
37) 1,2-Dichloropropane	6.41	63	242434	51.110	ug/L	100
38) Bromodichloromethane	6.73	83	298303	48.668	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	340937	48.358	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	709709	104.465	ug/L	99
42) Toluene	7.62	91	902577	50.307	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	304290	47.895	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	215301	49.470	ug/L	99
46) Tetrachloroethene	8.21	164	159714	45.682	ug/L	96
48) 2-Hexanone	8.34	43	559619	106.082	ug/L	98
49) Dibromochloromethane	8.46	129	233974	48.463	ug/L	99
50) 1,2-Dibromoethane	8.57	107	228506	49.235	ug/L	100
51) Chlorobenzene	9.10	112	569022	47.954	ug/L	98
52) Ethylbenzene	9.23	91	965747	49.834	ug/L	100
53) m,p-Xylene	9.36	106	363286	50.871	ug/L	97
54) o-xylene	9.76	106	352765	50.113	ug/L	97
55) Styrene	9.77	104	623002	51.977	ug/L	98
56) Isopropylbenzene	10.15	105	914338	49.985	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	375172	49.737	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	298749	49.281	ug/L	99
61) Bromoform	9.94	173	170271	46.109	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	429660	46.725	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	438491	46.021	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	430441	46.920	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	82711	49.160	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	314993	44.566	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	272790	47.070	ug/L	100
69) Naphthalene	13.73	128	877284	50.700	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	296569	48.422	ug/L	100

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

