

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033760.D
 Acq On : 11 Aug 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Aug 12 04:50:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280226	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	283792	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	150293	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	107130	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.86%
7) Chloroethane-d5	1.67	69	89460	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.54%
11) 1,1-Dichloroethene-d2	2.26	63	200080	57.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.38%
21) 2-Butanone-d5	4.15	46	158879	124.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.24%
24) Chloroform-d	4.62	84	176842	57.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.40%
26) 1,2-Dichloroethane-d4	5.29	65	107444	56.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.14%
32) Benzene-d6	5.32	84	351153	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.86%
36) 1,2-Dichloropropane-d6	6.31	67	108263	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.36%
41) Toluene-d8	7.55	98	325120	51.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.22%
43) trans-1,3-Dichloropropene-	7.83	79	50347	48.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.02%
47) 2-Hexanone-d5	8.29	63	120948	113.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	170711	56.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	130214	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	107855	52.760	ug/L	98
3) Chloromethane	1.32	50	117220	55.362	ug/L	100
5) Vinyl chloride	1.39	62	135146	57.291	ug/L	100
6) Bromomethane	1.61	94	79078	41.319	ug/L	98
8) Chloroethane	1.69	64	83755	46.638	ug/L	100
9) Trichlorofluoromethane	1.87	101	181535	56.752	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	93051	55.469	ug/L	97
12) 1,1-Dichloroethene	2.27	96	90885	55.155	ug/L	96
13) Acetone	2.31	43	127299	99.004	ug/L	99
14) Carbon disulfide	2.46	76	255768	55.292	ug/L	100
15) Methyl Acetate	2.60	43	127035	59.297	ug/L	98
16) Methylene chloride	2.68	84	106064	55.473	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	93717	53.065	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	299248	51.806	ug/L	98
19) 1,1-Dichloroethane	3.42	63	185563	55.677	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	112492	55.842	ug/L	97
22) 2-Butanone	4.23	43	189153	118.195	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	57541	55.515	ug/L	94
25) Chloroform	4.65	83	192957	55.501	ug/L	98
27) 1,2-Dichloroethane	5.38	62	153451	57.953	ug/L	100
29) Cyclohexane	4.97	56	144109	48.121	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	159296	51.727	ug/L	99
31) Carbon tetrachloride	5.11	117	141827	51.331	ug/L	98
33) Benzene	5.37	78	413755	52.389	ug/L	100
34) Trichloroethene	6.16	95	105144	50.456	ug/L	95
35) Methylcyclohexane	6.40	83	153855	48.504	ug/L	96
37) 1,2-Dichloropropane	6.41	63	113455	53.828	ug/L	100
38) Bromodichloromethane	6.74	83	143336	52.925	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	160913	48.041	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	348948	111.321	ug/L	98
42) Toluene	7.62	91	446000	52.200	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	155013	51.950	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	109002	52.902	ug/L	99
46) Tetrachloroethene	8.21	164	84367	49.113	ug/L	98
48) 2-Hexanone	8.34	43	284808	115.391	ug/L	97
49) Dibromochloromethane	8.46	129	121530	52.640	ug/L	98
50) 1,2-Dibromoethane	8.57	107	117258	51.472	ug/L	99
51) Chlorobenzene	9.10	112	283543	50.486	ug/L	98
52) Ethylbenzene	9.23	91	470791	50.371	ug/L	97
53) m,p-Xylene	9.36	106	179550	50.326	ug/L	99
54) o-xylene	9.76	106	179625	50.938	ug/L	97
55) Styrene	9.77	104	311667	52.669	ug/L	96
56) Isopropylbenzene	10.15	105	459732	49.679	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	196953	54.413	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	157163	55.156	ug/L	98
61) Bromoform	9.94	173	92686	51.373	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	231951	50.697	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	234805	50.667	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	235131	51.985	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	48592	56.864	ug/L	94
67) 1,3,5-Trichlorobenzene	12.87	180	177244	48.682	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	157639	47.857	ug/L	97
69) Naphthalene	13.73	128	511446	51.838	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	171072	50.237	ug/L	98

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

