

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033215.D
 Acq On : 12 Jul 2019 11:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Jul 13 00:04:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 23:46:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	335782	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	330994	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	166871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	119083	46.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.70%
7) Chloroethane-d5	1.67	69	101469	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.46%
11) 1,1-Dichloroethene-d2	2.26	63	216011	46.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.70%
21) 2-Butanone-d5	4.15	46	164329	102.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.03%
24) Chloroform-d	4.62	84	201046	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.28	65	126973	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
32) Benzene-d6	5.32	84	397483	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
36) 1,2-Dichloropropane-d6	6.31	67	127931	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.36%
41) Toluene-d8	7.55	98	380905	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%
43) trans-1,3-Dichloropropene-	7.83	79	65281	51.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.36%
47) 2-Hexanone-d5	8.29	63	126287	107.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193324	49.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	149027	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	155562	46.750 ug/L	98
3) Chloromethane	1.32	50	152365	46.478 ug/L	100
5) Vinyl chloride	1.39	62	177478	46.839 ug/L	99
6) Bromomethane	1.61	94	110752	46.885 ug/L	98
8) Chloroethane	1.69	64	105815	46.170 ug/L	95
9) Trichlorofluoromethane	1.87	101	230787	46.319 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	108961	47.566 ug/L	99
12) 1,1-Dichloroethene	2.27	96	106434	47.489 ug/L	93
13) Acetone	2.31	43	164583	81.788 ug/L	98
14) Carbon disulfide	2.46	76	323997	47.267 ug/L	99
15) Methyl Acetate	2.60	43	131515	50.047 ug/L	98
16) Methylene chloride	2.68	84	120004	46.896 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	112265	48.466 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	348333	48.719 ug/L	99
19) 1,1-Dichloroethane	3.42	63	210540	47.285 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	123390	47.226 ug/L	98
22) 2-Butanone	4.23	43	207878	92.992 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	64764	48.407	ug/L	99
25) Chloroform	4.65	83	218989	46.244	ug/L	100
27) 1,2-Dichloroethane	5.38	62	174415	47.564	ug/L	100
29) Cyclohexane	4.97	56	184242	51.083	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	188190	48.734	ug/L	98
31) Carbon tetrachloride	5.11	117	164609	48.711	ug/L	99
33) Benzene	5.37	78	474549	49.162	ug/L	100
34) Trichloroethene	6.16	95	121988	48.323	ug/L	99
35) Methylcyclohexane	6.40	83	194974	50.419	ug/L	100
37) 1,2-Dichloropropane	6.41	63	125939	48.109	ug/L	100
38) Bromodichloromethane	6.74	83	162749	48.197	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	203802	50.777	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	359718	102.434	ug/L	99
42) Toluene	7.62	91	517319	49.710	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	184835	51.064	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	118988	48.060	ug/L	99
46) Tetrachloroethene	8.21	164	96311	49.283	ug/L	98
48) 2-Hexanone	8.34	43	290915	101.686	ug/L	99
49) Dibromochloromethane	8.46	129	134816	48.815	ug/L	98
50) 1,2-Dibromoethane	8.57	107	132927	49.243	ug/L	99
51) Chlorobenzene	9.10	112	328121	48.306	ug/L	99
52) Ethylbenzene	9.23	91	561932	50.462	ug/L	99
53) m,p-Xylene	9.36	106	213775	50.683	ug/L	100
54) o-xylene	9.76	106	210975	50.374	ug/L	99
55) Styrene	9.77	104	364724	51.365	ug/L	99
56) Isopropylbenzene	10.15	105	550750	51.103	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	212292	48.816	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	165019	48.422	ug/L	100
61) Bromoform	9.94	173	101127	49.621	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	253649	49.380	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	263520	49.065	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	259116	49.186	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	49383	49.114	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	191217	51.509	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	171309	52.831	ug/L	99
69) Naphthalene	13.73	128	577514	55.548	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	179802	51.076	ug/L	98

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

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