

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034655.D
 Acq On : 19 Sep 2019 17:54
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:30 PM

Quant Time: Sep 20 03:49:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 19 17:44:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	543659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	519619	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	255495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	285756	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.68%
7) Chloroethane-d5	1.67	69	222465	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.44%
11) 1,1-Dichloroethene-d2	2.26	63	486005	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
21) 2-Butanone-d5	4.14	46	443739	104.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.03%
24) Chloroform-d	4.62	84	425535	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
26) 1,2-Dichloroethane-d4	5.28	65	304440	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.36%
32) Benzene-d6	5.32	84	850797	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.66%
36) 1,2-Dichloropropane-d6	6.31	67	293474	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.26%
41) Toluene-d8	7.54	98	815195	53.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.83	79	146796	54.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.90%
47) 2-Hexanone-d5	8.29	63	284882	100.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	400318	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.84	152	275615	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	279925	49.957 ug/L	99
3) Chloromethane	1.32	50	315342	46.982 ug/L	100
5) Vinyl chloride	1.40	62	291311	47.521 ug/L	99
6) Bromomethane	1.62	94	160919	48.063 ug/L	98
8) Chloroethane	1.69	64	168705	47.804 ug/L	99
9) Trichlorofluoromethane	1.87	101	371204	48.024 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	182439	49.227 ug/L	99
12) 1,1-Dichloroethene	2.27	96	170570	47.954 ug/L	98
13) Acetone	2.30	43	396173	79.842 ug/L	100
14) Carbon disulfide	2.46	76	591265	49.265 ug/L	99
15) Methyl Acetate	2.60	43	311526	47.000 ug/L	98
16) Methylene chloride	2.68	84	215330	47.791 ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	196145	50.437 ug/L	88
18) Methyl tert-butyl Ether	2.98	73	700011	48.518 ug/L	99
19) 1,1-Dichloroethane	3.42	63	424612	47.595 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	216250m	47.557 ug/L	
22) 2-Butanone	4.23	43	507946	86.047 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	102583	47.133	ug/L	99
25) Chloroform	4.65	83	416962	47.462	ug/L	99
27) 1,2-Dichloroethane	5.38	62	356768	47.012	ug/L	99
29) Cyclohexane	4.97	56	419217	48.879	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	342069	48.368	ug/L	98
31) Carbon tetrachloride	5.11	117	292392	48.510	ug/L	99
33) Benzene	5.36	78	883850	49.044	ug/L	100
34) Trichloroethene	6.16	95	222195	49.923	ug/L	98
35) Methylcyclohexane	6.39	83	375604	49.729	ug/L	99
37) 1,2-Dichloropropane	6.41	63	258696	48.209	ug/L	100
38) Bromodichloromethane	6.73	83	312852	48.074	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	402979	49.979	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	954992	93.216	ug/L	99
42) Toluene	7.61	91	958830	49.230	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	363406	49.996	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	208665	48.546	ug/L	98
46) Tetrachloroethene	8.21	164	158186	50.527	ug/L	97
48) 2-Hexanone	8.34	43	771223	96.384	ug/L	99
49) Dibromochloromethane	8.45	129	237914	49.657	ug/L	94
50) 1,2-Dibromoethane	8.56	107	233747	50.458	ug/L	100
51) Chlorobenzene	9.10	112	574831	48.551	ug/L	99
52) Ethylbenzene	9.23	91	1069783	48.777	ug/L	100
53) m,p-Xylene	9.35	106	384124	49.448	ug/L	97
54) o-xylene	9.76	106	381928	49.708	ug/L	100
55) Styrene	9.77	104	654312	50.309	ug/L	99
56) Isopropylbenzene	10.14	105	1023239	49.391	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	397054	48.094	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	310560	46.337	ug/L	97
61) Bromoform	9.94	173	169374	48.149	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	428979	48.483	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	434960	48.258	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	424827	47.519	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	90473	47.611	ug/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	295783	49.893	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	256407	55.000	ug/L	99
69) Naphthalene	13.72	128	897037	55.583	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	251824	52.497	ug/L	96

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

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