

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\
 Data File : VU033814.D
 Acq On : 15 Aug 2019 16:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

Quant Time: Aug 16 02:28:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:25:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	431729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	419357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	223097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	191352	49.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.54%
7) Chloroethane-d5	1.67	69	157655	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.26	63	320235	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.66%
21) 2-Butanone-d5	4.15	46	214207	105.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.16%
24) Chloroform-d	4.62	84	308106	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.29	65	190841	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
32) Benzene-d6	5.32	84	610988	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.31	67	192234	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.96%
41) Toluene-d8	7.55	98	577333	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%
43) trans-1,3-Dichloropropene-	7.83	79	96891	54.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.12%
47) 2-Hexanone-d5	8.29	63	159583	113.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.77%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268161	50.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.88%
64) 1,2-Dichlorobenzene-d4	11.84	152	229551	51.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	205637	48.581	ug/L 100
3) Chloromethane	1.32	50	211753	48.641	ug/L 100
5) Vinyl chloride	1.39	62	236173	48.704	ug/L 99
6) Bromomethane	1.62	94	184913	50.437	ug/L 100
8) Chloroethane	1.69	64	142447	42.405	ug/L 96
9) Trichlorofluoromethane	1.87	101	299053	46.504	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	149410	48.534	ug/L 99
12) 1,1-Dichloroethene	2.27	96	145384	48.725	ug/L 98
13) Acetone	2.31	43	181766	90.793	ug/L 96
14) Carbon disulfide	2.46	76	465688	49.494	ug/L 99
15) Methyl Acetate	2.60	43	163115	49.406	ug/L 100
16) Methylene chloride	2.68	84	166562	48.173	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	157662	50.688	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	469846	51.761	ug/L 99
19) 1,1-Dichloroethane	3.42	63	290341	48.508	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	175209	52.072	ug/L 100
22) 2-Butanone	4.23	43	235046	102.019	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	89325	48.691	ug/L	99
25) Chloroform	4.65	83	298792	48.035	ug/L	99
27) 1,2-Dichloroethane	5.38	62	236787	50.210	ug/L	100
29) Cyclohexane	4.97	56	247193	55.017	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	252342	49.983	ug/L	99
31) Carbon tetrachloride	5.11	117	227202	49.455	ug/L	99
33) Benzene	5.37	78	655538	51.749	ug/L	100
34) Trichloroethene	6.16	95	171707	50.788	ug/L	98
35) Methylcyclohexane	6.40	83	263990	53.323	ug/L	98
37) 1,2-Dichloropropane	6.41	63	174237	50.228	ug/L	100
38) Bromodichloromethane	6.74	83	224064	49.889	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	275056	54.405	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	434288	106.649	ug/L	100
42) Toluene	7.62	91	705141	52.655	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	247207	53.205	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	166067	51.005	ug/L	98
46) Tetrachloroethene	8.21	164	139195	51.355	ug/L	98
48) 2-Hexanone	8.34	43	343178	107.477	ug/L	99
49) Dibromochloromethane	8.46	129	189216	51.467	ug/L	97
50) 1,2-Dibromoethane	8.57	107	177538	51.212	ug/L	98
51) Chlorobenzene	9.10	112	452279	51.133	ug/L	99
52) Ethylbenzene	9.23	91	754904	53.205	ug/L	99
53) m,p-Xylene	9.36	106	290384	54.675	ug/L	99
54) o-xylene	9.76	106	286657	55.702	ug/L	99
55) Styrene	9.77	104	495198	56.159	ug/L	100
56) Isopropylbenzene	10.15	105	740627	55.042	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	266765	50.621	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	212304	50.528	ug/L	99
61) Bromoform	9.94	173	141418	50.897	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	365609	52.224	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	370532	51.125	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	365208	52.040	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	59274	50.798	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	289977	53.698	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	258788	58.525	ug/L	100
69) Naphthalene	13.73	128	783858	64.227	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	270873	59.022	ug/L	99

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

