

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031525.D
 Acq On : 26 Apr 2019 12:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

Quant Time: Apr 27 00:22:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:11:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	712532	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	699625	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	305338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	288269	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.68%
7) Chloroethane-d5	1.68	69	231397	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.42%
11) 1,1-Dichloroethene-d2	2.27	63	584798	49.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.48%
21) 2-Butanone-d5	4.19	46	590135	109.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.22%
24) Chloroform-d	4.64	84	543067	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.31	65	354549	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.34	84	1059805	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
36) 1,2-Dichloropropane-d6	6.33	67	362390	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.56	98	918000	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	164462	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.38%
47) 2-Hexanone-d5	8.31	63	349831	106.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	492069	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	325608	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	382981	48.879	ug/L 98
3) Chloromethane	1.32	50	457808	48.292	ug/L 100
5) Vinyl chloride	1.40	62	428553	48.353	ug/L 99
6) Bromomethane	1.63	94	231101	49.444	ug/L 99
8) Chloroethane	1.70	64	236796	48.876	ug/L 98
9) Trichlorofluoromethane	1.88	101	496380	49.129	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	282285	49.424	ug/L 99
12) 1,1-Dichloroethene	2.28	96	272250	48.972	ug/L 90
13) Acetone	2.34	43	580336	95.353	ug/L 99
14) Carbon disulfide	2.48	76	896728	48.609	ug/L 99
15) Methyl Acetate	2.62	43	461995	50.167	ug/L 99
16) Methylene chloride	2.70	84	318153	48.494	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	280105	48.355	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	949490	51.448	ug/L 99
19) 1,1-Dichloroethane	3.44	63	597196	48.953	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	313271	50.416	ug/L 100
22) 2-Butanone	4.27	43	732275	108.600	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	150090	49.709	ug/L	97
25) Chloroform	4.67	83	565594	48.483	ug/L	99
27) 1,2-Dichloroethane	5.40	62	460790	48.629	ug/L	98
29) Cyclohexane	4.99	56	562649	50.814	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	461267	47.056	ug/L	99
31) Carbon tetrachloride	5.13	117	406201	48.482	ug/L	99
33) Benzene	5.39	78	1250949	48.633	ug/L	100
34) Trichloroethene	6.18	95	306717	49.191	ug/L	97
35) Methylcyclohexane	6.41	83	476511	50.994	ug/L	100
37) 1,2-Dichloropropane	6.43	63	353456	48.403	ug/L	100
38) Bromodichloromethane	6.75	83	422758	47.747	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	503238	52.154	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1154661	102.774	ug/L	99
42) Toluene	7.63	91	1258414	49.113	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	438508	50.105	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	297700	49.451	ug/L	99
46) Tetrachloroethene	8.22	164	208738	49.106	ug/L	96
48) 2-Hexanone	8.36	43	949964	104.544	ug/L	99
49) Dibromochloromethane	8.47	129	309516	49.414	ug/L	99
50) 1,2-Dibromoethane	8.58	107	310881	48.896	ug/L	100
51) Chlorobenzene	9.12	112	748446	49.430	ug/L	99
52) Ethylbenzene	9.25	91	1348219	50.725	ug/L	100
53) m,p-Xylene	9.37	106	477488	51.562	ug/L	99
54) o-xylene	9.77	106	474301	51.662	ug/L	98
55) Styrene	9.79	104	828986	52.852	ug/L	98
56) Isopropylbenzene	10.16	105	1257607	52.093	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	520610	48.735	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	414156	47.836	ug/L	99
61) Bromoform	9.95	173	213972	47.274	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	517064	51.158	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	523735	50.035	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	529243	49.269	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	122589	49.172	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	392534	51.853	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	333046	55.572	ug/L	99
69) Naphthalene	13.74	128	1204042	58.925	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	358016	52.472	ug/L	98

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

