

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031403.D
 Acq On : 22 Apr 2019 19:47
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV53

Quant Time: Apr 23 04:06:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 04:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	708660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	652444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	309831	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	277901	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.78%
7) Chloroethane-d5	1.68	69	215563	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.27	63	494582	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
21) 2-Butanone-d5	4.19	46	444573	103.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	4.64	84	453563	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
26) 1,2-Dichloroethane-d4	5.31	65	268525	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.34	84	946785	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
36) 1,2-Dichloropropane-d6	6.32	67	303166	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.98%
41) Toluene-d8	7.56	98	845683	50.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.46%
43) trans-1,3-Dichloropropene-	7.85	79	141323	51.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.28%
47) 2-Hexanone-d5	8.31	63	312000	102.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	418202	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	317741	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	255900	50.947 ug/L	99
3) Chloromethane	1.32	50	315400	49.230 ug/L	99
5) Vinyl chloride	1.40	62	318187	50.407 ug/L	100
6) Bromomethane	1.63	94	192240	52.175 ug/L	99
8) Chloroethane	1.70	64	182895	50.845 ug/L	100
9) Trichlorofluoromethane	1.88	101	383533	50.698 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	226164	51.536 ug/L	100
12) 1,1-Dichloroethene	2.28	96	224447	51.990 ug/L	99
13) Acetone	2.34	43	315111	93.493 ug/L	99
14) Carbon disulfide	2.47	76	654527	50.512 ug/L	100
15) Methyl Acetate	2.62	43	316093	51.339 ug/L	99
16) Methylene chloride	2.70	84	249506	50.731 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	232612	52.242 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	752015	51.353 ug/L	100
19) 1,1-Dichloroethane	3.44	63	445884	51.226 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	258614	51.189 ug/L	99
22) 2-Butanone	4.28	43	460026	105.324 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	129611	51.153	ug/L	98
25) Chloroform	4.67	83	430849	51.358	ug/L	94
27) 1,2-Dichloroethane	5.40	62	315433	50.418	ug/L	97
29) Cyclohexane	4.99	56	416245	52.579	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	360440	51.819	ug/L	99
31) Carbon tetrachloride	5.13	117	312021	52.395	ug/L	100
33) Benzene	5.39	78	961394	50.919	ug/L	100
34) Trichloroethene	6.18	95	245574	49.110	ug/L	99
35) Methylcyclohexane	6.41	83	375792	51.357	ug/L	98
37) 1,2-Dichloropropane	6.43	63	263701	52.427	ug/L	100
38) Bromodichloromethane	6.75	83	317045	51.384	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	401700	53.362	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	809250	105.863	ug/L	99
42) Toluene	7.63	91	1021388	52.130	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	339287	52.286	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	242984	52.598	ug/L	99
46) Tetrachloroethene	8.22	164	185305	52.250	ug/L	99
48) 2-Hexanone	8.36	43	640970	107.489	ug/L	99
49) Dibromochloromethane	8.47	129	257853	52.608	ug/L	100
50) 1,2-Dibromoethane	8.58	107	260639	53.641	ug/L	97
51) Chlorobenzene	9.12	112	627715	51.623	ug/L	98
52) Ethylbenzene	9.25	91	1098922	52.353	ug/L	100
53) m,p-Xylene	9.37	106	400642	52.296	ug/L	100
54) o-xylene	9.77	106	411021	53.363	ug/L	98
55) Styrene	9.79	104	692367	54.050	ug/L	98
56) Isopropylbenzene	10.16	105	1066522	53.898	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	407667	51.111	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	323339	52.086	ug/L	98
61) Bromoform	9.95	173	193177	50.712	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	466775	51.447	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	467785	51.684	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	486326	52.434	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	93212	54.343	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	356932	53.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	305589	56.849	ug/L	97
69) Naphthalene	13.74	128	1052455	56.319	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	325074	56.164	ug/L	98

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

