

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025983.D
 Acq On : 08 Aug 2018 21:19
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Quant Time: Aug 09 01:50:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:50:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	322437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303943	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	154842	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116677	49.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.00%
7) Chloroethane-d5	1.67	69	90691	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.06%
11) 1,1-Dichloroethene-d2	2.27	63	219891	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.18	46	191515	97.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.50%
24) Chloroform-d	4.65	84	242560	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.31	65	162419	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.35	84	468200	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.34	67	149826	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.12%
41) Toluene-d8	7.57	98	449512	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.85	79	76558	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.52%
47) 2-Hexanone-d5	8.31	63	141660	102.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.13%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	216428	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	186775	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	142634	50.78	ug/L	99
3) Chloromethane	1.33	50	128397	50.94	ug/L	99
5) Vinyl chloride	1.40	62	126142	51.86	ug/L	99
6) Bromomethane	1.62	94	77740	59.77	ug/L	100
8) Chloroethane	1.70	64	72729	49.76	ug/L	94
9) Trichlorofluoromethane	1.89	101	175445	50.42	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	101291	50.04	ug/L	99
12) 1,1-Dichloroethene	2.28	96	92929	49.92	ug/L	90
13) Acetone	2.32	43	118008	96.71	ug/L	98
14) Carbon disulfide	2.48	76	322504	52.66	ug/L	98
15) Methyl Acetate	2.62	43	126054	49.32	ug/L	99
16) Methylene chloride	2.70	84	115764	48.71	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	107237	51.70	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	345001	50.61	ug/L	99
19) 1,1-Dichloroethane	3.45	63	199790	49.66	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	120362	50.43	ug/L	99
22) 2-Butanone	4.27	43	176744	100.10	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62971	49.54	ug/L	99
25) Chloroform	4.68	83	209534	50.02	ug/L	99
27) 1,2-Dichloroethane	5.41	62	173639	50.18	ug/L	100
29) Cyclohexane	5.00	56	174017	51.23	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	188337	49.11	ug/L	99
31) Carbon tetrachloride	5.14	117	176743	50.47	ug/L	99
33) Benzene	5.39	78	438662	50.67	ug/L	100
34) Trichloroethene	6.19	95	114671	50.70	ug/L	98
35) Methylcyclohexane	6.42	83	182207	52.76	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120167	50.73	ug/L	99
38) Bromodichloromethane	6.76	83	158511	50.23	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	178769	49.80	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	333819	102.57	ug/L	99
42) Toluene	7.64	91	474495	51.64	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	174939	51.20	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	114299	50.61	ug/L	97
46) Tetrachloroethene	8.23	164	98381	51.12	ug/L	99
48) 2-Hexanone	8.36	43	263216	103.81	ug/L	98
49) Dibromochloromethane	8.48	129	138440	50.84	ug/L	98
50) 1,2-Dibromoethane	8.59	107	124060	50.44	ug/L	100
51) Chlorobenzene	9.12	112	314998	50.84	ug/L	98
52) Ethylbenzene	9.25	91	518153	51.53	ug/L	100
53) m,p-Xylene	9.38	106	202215	52.63	ug/L	100
54) o-xylene	9.78	106	200048	52.46	ug/L	100
55) Styrene	9.80	104	337910	53.23	ug/L	100
56) Isopropylbenzene	10.17	105	521784	53.12	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	193433	50.40	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	153330	50.19	ug/L	99
61) Bromoform	9.96	173	104964	50.07	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	246434	51.12	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	246814	48.84	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	258864	50.45	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	44673	49.60	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	189223	52.52	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	161005	52.85	ug/L	99
69) Naphthalene	13.75	128	540003	54.94	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	175406	53.57	ug/L	99

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

