

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026641.D
 Acq On : 10 Sep 2018 11:05
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV53

Quant Time: Sep 11 05:09:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 05:07:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	203007	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72553	47.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.92%
7) Chloroethane-d5	1.68	69	58577	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.10%
11) 1,1-Dichloroethene-d2	2.27	63	132931	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.17	46	90874	96.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.53%
24) Chloroform-d	4.65	84	123253	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.31	65	78293	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.34	84	247582	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.33	67	82536	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	235768	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%
43) trans-1,3-Dichloropropene-	7.85	79	39051	50.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.84%
47) 2-Hexanone-d5	8.31	63	68328	100.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109996	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	95359	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	66005	51.65	ug/L	99
3) Chloromethane	1.33	50	85464	50.88	ug/L	99
5) Vinyl chloride	1.40	62	88884	51.21	ug/L	100
6) Bromomethane	1.62	94	51156	50.57	ug/L	98
8) Chloroethane	1.70	64	53765	49.94	ug/L	100
9) Trichlorofluoromethane	1.89	101	113878	52.03	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	66588	53.42	ug/L	99
12) 1,1-Dichloroethene	2.28	96	61026	50.98	ug/L	93
13) Acetone	2.32	43	98852	92.19	ug/L	100
14) Carbon disulfide	2.48	76	194710	50.08	ug/L	99
15) Methyl Acetate	2.61	43	76327	49.90	ug/L	98
16) Methylene chloride	2.70	84	71573	50.67	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	65397	51.56	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	202214	51.74	ug/L	100
19) 1,1-Dichloroethane	3.45	63	126668	51.49	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	73612	51.53	ug/L	100
22) 2-Butanone	4.26	43	117886	96.02	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37969	51.96	ug/L	97
25) Chloroform	4.67	83	126954	51.35	ug/L	99
27) 1,2-Dichloroethane	5.40	62	100273	51.08	ug/L	100
29) Cyclohexane	5.00	56	113341	53.94	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	106130	52.23	ug/L	99
31) Carbon tetrachloride	5.14	117	95937	52.23	ug/L	99
33) Benzene	5.39	78	281895	52.48	ug/L	100
34) Trichloroethene	6.19	95	70949	53.14	ug/L	97
35) Methylcyclohexane	6.42	83	120109	56.20	ug/L	100
37) 1,2-Dichloropropane	6.43	63	78872	52.56	ug/L	100
38) Bromodichloromethane	6.76	83	97043	52.77	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	115305	51.93	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	196416	102.61	ug/L	100
42) Toluene	7.64	91	298277	53.58	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	110179	53.34	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	69386	52.13	ug/L	98
46) Tetrachloroethene	8.23	164	59951	53.43	ug/L	98
48) 2-Hexanone	8.36	43	164119	101.55	ug/L	99
49) Dibromochloromethane	8.48	129	80356	52.23	ug/L	97
50) 1,2-Dibromoethane	8.59	107	73819	51.84	ug/L	99
51) Chlorobenzene	9.12	112	193295	52.88	ug/L	99
52) Ethylbenzene	9.25	91	323566	53.74	ug/L	98
53) m,p-Xylene	9.38	106	126730	55.82	ug/L	98
54) o-xylene	9.78	106	121698	54.01	ug/L	99
55) Styrene	9.79	104	209589	54.99	ug/L	99
56) Isopropylbenzene	10.17	105	318914	55.56	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	117665	51.03	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	90873	51.18	ug/L	98
61) Bromoform	9.96	173	60664	49.37	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	149339	52.14	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	153514	50.59	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	157072	51.89	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	24206	49.50	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	121683	53.56	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	107896	54.64	ug/L	99
69) Naphthalene	13.74	128	328765	54.33	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	115485	53.99	ug/L	99

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

