

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070319\
 Data File : VU033160.D
 Acq On : 03 Jul 2019 09:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Jul 03 22:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 04:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	183177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186374	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96703	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70378	56.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.44%
7) Chloroethane-d5	1.67	69	55985	56.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.14%
11) 1,1-Dichloroethene-d2	2.27	63	139687	55.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.78%
21) 2-Butanone-d5	4.17	46	112084	107.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.57%
24) Chloroform-d	4.64	84	134502	55.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.54%
26) 1,2-Dichloroethane-d4	5.30	65	90045	55.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.10%
32) Benzene-d6	5.33	84	252036	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
36) 1,2-Dichloropropane-d6	6.32	67	79759	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.56	98	239218	52.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.16%
43) trans-1,3-Dichloropropene-	7.84	79	40485	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.58%
47) 2-Hexanone-d5	8.31	63	68795	95.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.20%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118011	49.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.64%
64) 1,2-Dichlorobenzene-d4	11.85	152	92564	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	94491	51.068	ug/L 99
3) Chloromethane	1.32	50	84940	50.649	ug/L 100
5) Vinyl chloride	1.40	62	84725	50.935	ug/L 100
6) Bromomethane	1.62	94	48452	49.501	ug/L 100
8) Chloroethane	1.69	64	51464	53.748	ug/L 99
9) Trichlorofluoromethane	1.88	101	125184	53.643	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66325	54.185	ug/L 97
12) 1,1-Dichloroethene	2.28	96	58041	50.316	ug/L 97
13) Acetone	2.32	43	137156	95.302	ug/L 99
14) Carbon disulfide	2.47	76	172050	47.137	ug/L 100
15) Methyl Acetate	2.61	43	90471	55.457	ug/L 97
16) Methylene chloride	2.69	84	71483	52.811	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	62526	49.985	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	206927	51.524	ug/L 97
19) 1,1-Dichloroethane	3.44	63	130203	54.598	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	71893	52.757	ug/L 99
22) 2-Butanone	4.25	43	152193	102.029	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39063	54.949	ug/L	98
25) Chloroform	4.66	83	137842	56.049	ug/L	97
27) 1,2-Dichloroethane	5.40	62	115282	57.061	ug/L	99
29) Cyclohexane	4.99	56	104092	47.832	ug/L	98
30) 1,1,1-Trichloroethane	4.90	97	118137	52.028	ug/L	98
31) Carbon tetrachloride	5.13	117	107324	51.947	ug/L	100
33) Benzene	5.38	78	278778	51.924	ug/L	100
34) Trichloroethene	6.18	95	74379	51.850	ug/L	99
35) Methylcyclohexane	6.41	83	110790	49.965	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77467	52.600	ug/L	99
38) Bromodichloromethane	6.75	83	105261	53.153	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	117406	51.169	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	255553	108.686	ug/L	96
42) Toluene	7.63	91	305289	52.555	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	111563	51.767	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	72274	52.725	ug/L	100
46) Tetrachloroethene	8.22	164	61017	51.909	ug/L	99
48) 2-Hexanone	8.36	43	211492	101.946	ug/L	98
49) Dibromochloromethane	8.47	129	84940	51.400	ug/L	97
50) 1,2-Dibromoethane	8.58	107	78872	51.810	ug/L	100
51) Chlorobenzene	9.11	112	195895	51.247	ug/L	98
52) Ethylbenzene	9.24	91	328195	51.042	ug/L	99
53) m,p-Xylene	9.37	106	125298	51.648	ug/L	99
54) o-xylene	9.77	106	120671	50.935	ug/L	96
55) Styrene	9.79	104	210619	51.245	ug/L	98
56) Isopropylbenzene	10.16	105	327283	51.260	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	126023	50.807	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104029	52.930	ug/L	99
61) Bromoform	9.95	173	65059	51.523	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	151516	50.407	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	158553	51.070	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	158187	51.541	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	29005	49.536	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	118025	48.868	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	87724	42.212	ug/L	98
69) Naphthalene	13.74	128	240275	37.604	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	98257	44.662	ug/L	98

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

