

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031919\
 Data File : VU030183.D
 Acq On : 19 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 11:53:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 19 11:36:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	524860	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	511784	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	262045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	183455	52.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.68%
7) Chloroethane-d5	1.68	69	151945	54.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.44%
11) 1,1-Dichloroethene-d2	2.27	63	308181	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.36%
21) 2-Butanone-d5	4.17	46	272877	104.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.91%
24) Chloroform-d	4.64	84	331153	53.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.36%
26) 1,2-Dichloroethane-d4	5.31	65	196229	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.08%
32) Benzene-d6	5.34	84	711076	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
36) 1,2-Dichloropropane-d6	6.33	67	219984	54.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.12%
41) Toluene-d8	7.56	98	672537	54.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.04%
43) trans-1,3-Dichloropropene-	7.85	79	105741	54.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.28%
47) 2-Hexanone-d5	8.31	63	227016	100.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	327297	52.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	270974	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	119224	35.950 ug/L	98
3) Chloromethane	1.33	50	130581	35.690 ug/L	98
5) Vinyl chloride	1.40	62	146448	36.514 ug/L	99
6) Bromomethane	1.62	94	86726	34.906 ug/L	99
8) Chloroethane	1.70	64	92702	35.265 ug/L	98
9) Trichlorofluoromethane	1.88	101	202321	37.614 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	135073	39.172 ug/L	98
12) 1,1-Dichloroethene	2.28	96	121610	36.967 ug/L	92
13) Acetone	2.32	43	203580	66.940 ug/L	99
14) Carbon disulfide	2.48	76	340074	33.353 ug/L	100
15) Methyl Acetate	2.61	43	149868	38.142 ug/L	99
16) Methylene chloride	2.70	84	147460	37.961 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	131247	36.635 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	408260	38.424 ug/L	99
19) 1,1-Dichloroethane	3.44	63	238467	38.769 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	152737	37.450 ug/L	98
22) 2-Butanone	4.26	43	243114	70.217 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	81432	38.545	ug/L	99
25) Chloroform	4.67	83	258187	39.992	ug/L	98
27) 1,2-Dichloroethane	5.40	62	180924	38.980	ug/L	99
29) Cyclohexane	4.99	56	198844	35.227	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	212394	38.015	ug/L	100
31) Carbon tetrachloride	5.13	117	185064	37.511	ug/L	100
33) Benzene	5.39	78	555920	37.960	ug/L	100
34) Trichloroethene	6.18	95	145795	37.985	ug/L	98
35) Methylcyclohexane	6.41	83	228319	36.683	ug/L	99
37) 1,2-Dichloropropane	6.43	63	152166	39.501	ug/L	100
38) Bromodichloromethane	6.75	83	191976	40.076	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	234124	39.055	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	389702	74.924	ug/L	99
42) Toluene	7.63	91	605641	38.036	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	215243	39.325	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	151565	39.343	ug/L	98
46) Tetrachloroethene	8.22	164	122948	36.603	ug/L	99
48) 2-Hexanone	8.36	43	320969	72.334	ug/L	98
49) Dibromochloromethane	8.47	129	170849	39.693	ug/L	98
50) 1,2-Dibromoethane	8.58	107	162970	38.379	ug/L	98
51) Chlorobenzene	9.12	112	406162	37.836	ug/L	99
52) Ethylbenzene	9.25	91	660850	37.701	ug/L	100
53) m,p-Xylene	9.37	106	262464	38.701	ug/L	97
54) o-xylene	9.77	106	253829	38.105	ug/L	99
55) Styrene	9.79	104	440891	38.871	ug/L	97
56) Isopropylbenzene	10.16	105	664461	38.102	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	261318	39.521	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	192872	38.445	ug/L	99
61) Bromoform	9.95	173	135937	41.676	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	318552	37.642	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	329477	38.289	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	333220	39.118	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	54126	39.101	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	252181	38.393	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	218453	36.358	ug/L	100
69) Naphthalene	13.74	128	672985	34.475	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	227389	36.431	ug/L	98

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

