

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
 Data File : VU031668.D
 Acq On : 01 May 2019 06:27
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: May 01 06:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 04:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	928936	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	884666	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	397105	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	283671	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.98%
7) Chloroethane-d5	1.68	69	240664	40.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.12%
11) 1,1-Dichloroethene-d2	2.27	63	637485	41.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.34%
21) 2-Butanone-d5	4.19	46	753515	106.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.97%
24) Chloroform-d	4.64	84	627188	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.10%
26) 1,2-Dichloroethane-d4	5.30	65	406062	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
32) Benzene-d6	5.33	84	1213094	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.32	67	436527	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.56	98	1052819	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.85	79	184197	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.80%
47) 2-Hexanone-d5	8.31	63	500462	120.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	614298	47.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	385776	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	423483	41.457	ug/L 98
3) Chloromethane	1.32	50	536731	43.428	ug/L 100
5) Vinyl chloride	1.40	62	505061	43.710	ug/L 99
6) Bromomethane	1.63	94	255695	41.961	ug/L 98
8) Chloroethane	1.70	64	275600	43.634	ug/L 99
9) Trichlorofluoromethane	1.88	101	553564	42.025	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	320812	43.084	ug/L 100
12) 1,1-Dichloroethene	2.28	96	323629	44.653	ug/L 94
13) Acetone	2.34	43	510111	64.289	ug/L 98
14) Carbon disulfide	2.47	76	1015937	42.242	ug/L 100
15) Methyl Acetate	2.62	43	580289	48.333	ug/L 100
16) Methylene chloride	2.70	84	394233	46.092	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	344645	45.637	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	1263962	52.533	ug/L 99
19) 1,1-Dichloroethane	3.44	63	751909	47.276	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	395058	48.767	ug/L 95
22) 2-Butanone	4.27	43	836198	95.122	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	183262	46.556	ug/L	98
25) Chloroform	4.67	83	692916	45.560	ug/L	97
27) 1,2-Dichloroethane	5.40	62	559686	45.306	ug/L	100
29) Cyclohexane	4.99	56	716424	51.169	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	573159	46.241	ug/L	98
31) Carbon tetrachloride	5.13	117	470676	44.427	ug/L	99
33) Benzene	5.38	78	1559930	47.960	ug/L	100
34) Trichloroethene	6.18	95	389484	49.400	ug/L	98
35) Methylcyclohexane	6.41	83	583709	49.400	ug/L	98
37) 1,2-Dichloropropane	6.43	63	446074	48.309	ug/L	100
38) Bromodichloromethane	6.75	83	523961	46.800	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	627347	51.417	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1535285	108.069	ug/L	100
42) Toluene	7.63	91	1590075	49.077	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	529434	47.841	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	368582	48.419	ug/L	99
46) Tetrachloroethene	8.22	164	244582	45.504	ug/L	98
48) 2-Hexanone	8.37	43	1199949	104.434	ug/L	99
49) Dibromochloromethane	8.47	129	371927	46.958	ug/L	99
50) 1,2-Dibromoethane	8.58	107	388277	48.296	ug/L	99
51) Chlorobenzene	9.12	112	924542	48.288	ug/L	99
52) Ethylbenzene	9.25	91	1728544	51.432	ug/L	100
53) m,p-Xylene	9.37	106	619984	52.946	ug/L	99
54) o-xylene	9.77	106	614656	52.947	ug/L	97
55) Styrene	9.79	104	1043021	52.588	ug/L	100
56) Isopropylbenzene	10.16	105	1612369	52.818	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	651369	48.221	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	535674	48.930	ug/L	99
61) Bromoform	9.95	173	265828	45.159	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	658268	50.078	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	662585	48.672	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	681575	48.787	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	147784	45.580	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	462378	46.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	413176	53.011	ug/L	99
69) Naphthalene	13.74	128	1701103	64.013	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	430470	48.511	ug/L	100

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

