

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
 Data File : VU031715.D
 Acq On : 02 May 2019 16:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Quant Time: May 03 04:42:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 04:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	956179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	902673	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	420242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	359133	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.76%
7) Chloroethane-d5	1.68	69	274135	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.66%
11) 1,1-Dichloroethene-d2	2.27	63	701682	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
21) 2-Butanone-d5	4.19	46	738579	101.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.86%
24) Chloroform-d	4.64	84	634663	43.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.31	65	405648	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.72%
32) Benzene-d6	5.34	84	1270731	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
36) 1,2-Dichloropropane-d6	6.32	67	441889	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.62%
41) Toluene-d8	7.56	98	1094058	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%
43) trans-1,3-Dichloropropene-	7.85	79	202070	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	8.31	63	497947	117.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	606689	46.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	395044	44.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	441595	41.999	ug/L 100
3) Chloromethane	1.32	50	519262	40.817	ug/L 100
5) Vinyl chloride	1.40	62	496214	41.721	ug/L 100
6) Bromomethane	1.63	94	258016	41.136	ug/L 99
8) Chloroethane	1.69	64	276720	42.563	ug/L 99
9) Trichlorofluoromethane	1.88	101	573234	42.279	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	354101	46.200	ug/L 98
12) 1,1-Dichloroethene	2.28	96	336783	45.144	ug/L 92
13) Acetone	2.34	43	703016	86.077	ug/L 99
14) Carbon disulfide	2.47	76	1003374	40.531	ug/L 99
15) Methyl Acetate	2.62	43	567865	45.951	ug/L 97
16) Methylene chloride	2.70	84	401166	45.566	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	354028	45.543	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	1304632	52.678	ug/L 98
19) 1,1-Dichloroethane	3.44	63	769800	47.022	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	406589	48.761	ug/L 97
22) 2-Butanone	4.27	43	938292	103.695	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	188137	46.433	ug/L	97
25) Chloroform	4.67	83	708862	45.281	ug/L	98
27) 1,2-Dichloroethane	5.40	62	578538	45.498	ug/L	99
29) Cyclohexane	4.99	56	733108	51.316	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	576515	45.584	ug/L	99
31) Carbon tetrachloride	5.13	117	482528	44.637	ug/L	100
33) Benzene	5.39	78	1590576	47.927	ug/L	100
34) Trichloroethene	6.18	95	394951	49.094	ug/L	99
35) Methylcyclohexane	6.41	83	639643	53.054	ug/L	95
37) 1,2-Dichloropropane	6.43	63	463025	49.145	ug/L	100
38) Bromodichloromethane	6.75	83	534447	46.784	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	696105	55.914	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1562297	107.777	ug/L	99
42) Toluene	7.63	91	1673830	50.631	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	598162	52.973	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	385922	49.686	ug/L	98
46) Tetrachloroethene	8.22	164	273004	49.778	ug/L	94
48) 2-Hexanone	8.36	43	1253322	106.903	ug/L	98
49) Dibromochloromethane	8.47	129	396202	49.025	ug/L	99
50) 1,2-Dibromoethane	8.58	107	411542	50.168	ug/L	100
51) Chlorobenzene	9.12	112	984006	50.369	ug/L	97
52) Ethylbenzene	9.25	91	1826082	53.250	ug/L	100
53) m,p-Xylene	9.37	106	639737	53.543	ug/L	98
54) o-xylene	9.77	106	655296	55.321	ug/L	95
55) Styrene	9.79	104	1112520	54.973	ug/L	99
56) Isopropylbenzene	10.16	105	1724016	55.349	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	681459	49.443	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	549637	49.204	ug/L	99
61) Bromoform	9.95	173	282638	45.371	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	720924	51.825	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	721617	50.089	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	730036	49.379	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	159513	46.488	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	521731	50.075	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	475111	57.601	ug/L	99
69) Naphthalene	13.74	128	1953947	69.479	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	486814	51.840	ug/L	99

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

