

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041319\
 Data File : VU031153.D
 Acq On : 13 Apr 2019 11:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: Apr 13 22:26:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 01:01:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	417963	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	422543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	187705	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.62%
7) Chloroethane-d5	1.67	69	143817	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.58%
11) 1,1-Dichloroethene-d2	2.27	63	345015	51.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.26%
21) 2-Butanone-d5	4.17	46	294943	99.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.64	84	317946	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.58%
26) 1,2-Dichloroethane-d4	5.30	65	206636	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
32) Benzene-d6	5.33	84	627587	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	6.32	67	212144	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.36%
41) Toluene-d8	7.56	98	569943	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%
43) trans-1,3-Dichloropropene-	7.85	79	94395	48.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.94%
47) 2-Hexanone-d5	8.31	63	187725	97.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294129	51.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	200632	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	185054	50.404	ug/L 100
3) Chloromethane	1.32	50	220405	46.412	ug/L 100
5) Vinyl chloride	1.40	62	228254	49.654	ug/L 98
6) Bromomethane	1.62	94	113332	47.586	ug/L 99
8) Chloroethane	1.69	64	131677	50.222	ug/L 99
9) Trichlorofluoromethane	1.88	101	291914	54.499	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	161798	54.062	ug/L 98
12) 1,1-Dichloroethene	2.28	96	149849	51.866	ug/L 94
13) Acetone	2.32	43	343747	113.601	ug/L 100
14) Carbon disulfide	2.47	76	425417	47.399	ug/L 97
15) Methyl Acetate	2.61	43	241017	51.372	ug/L 99
16) Methylene chloride	2.69	84	187021	53.286	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	158632	51.711	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	533825	51.949	ug/L 98
19) 1,1-Dichloroethane	3.44	63	333970	52.754	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	180590	53.315	ug/L 95
22) 2-Butanone	4.25	43	395909	111.593	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	93705	58.516	ug/L	86
25) Chloroform	4.67	83	349896	54.991	ug/L	99
27) 1,2-Dichloroethane	5.40	62	264502	54.466	ug/L	100
29) Cyclohexane	4.99	56	271878	45.144	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	279069	54.193	ug/L	99
31) Carbon tetrachloride	5.13	117	240921	54.292	ug/L	98
33) Benzene	5.38	78	727209	52.592	ug/L	100
34) Trichloroethene	6.18	95	193944	57.187	ug/L	96
35) Methylcyclohexane	6.41	83	261436	49.951	ug/L	97
37) 1,2-Dichloropropane	6.43	63	198953	50.813	ug/L #	95
38) Bromodichloromethane	6.75	83	253129	53.590	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	284166	50.990	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	611893	97.183	ug/L	98
42) Toluene	7.63	91	760057	53.849	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	260909	53.125	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	182042	54.821	ug/L	96
46) Tetrachloroethene	8.22	164	135218	54.840	ug/L	97
48) 2-Hexanone	8.36	43	498932	101.568	ug/L	97
49) Dibromochloromethane	8.47	129	203203	57.670	ug/L	97
50) 1,2-Dibromoethane	8.58	107	191764	53.368	ug/L	99
51) Chlorobenzene	9.12	112	464023	53.602	ug/L	97
52) Ethylbenzene	9.25	91	793952	51.605	ug/L	99
53) m,p-Xylene	9.37	106	285339	53.177	ug/L	99
54) o-xylene	9.77	106	289450	54.231	ug/L	99
55) Styrene	9.79	104	511473	55.868	ug/L	97
56) Isopropylbenzene	10.16	105	765698	54.488	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	315723	52.565	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	253687	54.099	ug/L	97
61) Bromoform	9.95	173	145594	57.342	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	324471	53.415	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	334703	54.169	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	347946	57.103	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67289	51.947	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	243202	54.783	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	191198	50.655	ug/L	99
69) Naphthalene	13.74	128	626356	51.189	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	222980	56.542	ug/L	98

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

