

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040919\
 Data File : VU030909.D
 Acq On : 08 Apr 2019 16:34
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Apr 09 02:22:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 02:16:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	558217	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	533351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	255245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	229538	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.12%
7) Chloroethane-d5	1.67	69	188438	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.64%
11) 1,1-Dichloroethene-d2	2.26	63	441665	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.00%
21) 2-Butanone-d5	4.17	46	440838	111.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.62%
24) Chloroform-d	4.64	84	398252	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
26) 1,2-Dichloroethane-d4	5.31	65	266138	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
32) Benzene-d6	5.33	84	784068	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
36) 1,2-Dichloropropane-d6	6.32	67	271178	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.56	98	685670	49.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.36%
43) trans-1,3-Dichloropropene-	7.85	79	126116	51.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.66%
47) 2-Hexanone-d5	8.31	63	271895	111.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.49%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	381193	52.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	249063	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	234487	47.822	ug/L 99
3) Chloromethane	1.32	50	303439	47.843	ug/L 99
5) Vinyl chloride	1.40	62	298111	48.556	ug/L 94
6) Bromomethane	1.62	94	153821	48.359	ug/L 96
8) Chloroethane	1.69	64	176567	50.423	ug/L 97
9) Trichlorofluoromethane	1.88	101	365287	51.062	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	198568	49.678	ug/L 99
12) 1,1-Dichloroethene	2.28	96	192683	49.935	ug/L 98
13) Acetone	2.32	43	415028	102.697	ug/L 99
14) Carbon disulfide	2.47	76	552262	46.071	ug/L 97
15) Methyl Acetate	2.61	43	328902	52.490	ug/L 98
16) Methylene chloride	2.69	84	229186	48.893	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	196644	47.996	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	694583	50.610	ug/L 100
19) 1,1-Dichloroethane	3.44	63	424229	50.174	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	223655	49.439	ug/L 97
22) 2-Butanone	4.26	43	523116	110.402	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	108845	50.893	ug/L	94
25) Chloroform	4.67	83	421551	49.606	ug/L	99
27) 1,2-Dichloroethane	5.40	62	329277	50.768	ug/L	99
29) Cyclohexane	4.99	56	369908	48.661	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	338515	52.080	ug/L	100
31) Carbon tetrachloride	5.13	117	286110	51.080	ug/L	98
33) Benzene	5.38	78	902434	51.705	ug/L	100
34) Trichloroethene	6.18	95	217677	50.850	ug/L	97
35) Methylcyclohexane	6.41	83	328667	49.750	ug/L	99
37) 1,2-Dichloropropane	6.43	63	255318	51.661	ug/L	99
38) Bromodichloromethane	6.75	83	307508	51.577	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	366426	52.090	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	854396	107.506	ug/L	100
42) Toluene	7.63	91	931389	52.278	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	328498	52.990	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	217224	51.825	ug/L	98
46) Tetrachloroethene	8.22	164	157411	50.578	ug/L	99
48) 2-Hexanone	8.36	43	690895	111.426	ug/L	98
49) Dibromochloromethane	8.47	129	231602	52.074	ug/L	98
50) 1,2-Dibromoethane	8.58	107	228349	50.347	ug/L	100
51) Chlorobenzene	9.12	112	554272	50.725	ug/L	99
52) Ethylbenzene	9.25	91	1002887	51.642	ug/L	100
53) m,p-Xylene	9.37	106	353752	52.230	ug/L	99
54) o-xylene	9.77	106	351662	52.198	ug/L	98
55) Styrene	9.79	104	623108	53.922	ug/L	100
56) Isopropylbenzene	10.16	105	930539	52.461	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	392753	51.805	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	319865	54.040	ug/L	98
61) Bromoform	9.95	173	169373	50.231	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	392158	48.612	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	405632	49.433	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	406511	50.237	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	90175	52.421	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	298081	50.561	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	254655	50.803	ug/L	98
69) Naphthalene	13.74	128	847370	52.147	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	273480	52.219	ug/L	97

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

