

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031448.D
 Acq On : 23 Apr 2019 19:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Apr 24 06:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	693077	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	642744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	310889	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	248630	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.54%
7) Chloroethane-d5	1.68	69	199707	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.27	63	473660	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.96%
21) 2-Butanone-d5	4.19	46	456574	108.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.74%
24) Chloroform-d	4.64	84	449018	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
26) 1,2-Dichloroethane-d4	5.31	65	265135	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.34	84	905494	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
36) 1,2-Dichloropropane-d6	6.33	67	286862	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.02%
41) Toluene-d8	7.56	98	775838	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.85	79	128396	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.32%
47) 2-Hexanone-d5	8.31	63	306220	102.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	394864	48.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	307901	48.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	260080	52.944	ug/L 100
3) Chloromethane	1.32	50	321480	51.307	ug/L 99
5) Vinyl chloride	1.40	62	323949	52.474	ug/L 100
6) Bromomethane	1.63	94	167822	46.572	ug/L 99
8) Chloroethane	1.70	64	185406	52.702	ug/L 98
9) Trichlorofluoromethane	1.88	101	388233	52.473	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	231172	53.861	ug/L 99
12) 1,1-Dichloroethene	2.28	96	228941	54.223	ug/L 91
13) Acetone	2.34	43	319169	96.826	ug/L 99
14) Carbon disulfide	2.47	76	648367	51.162	ug/L 100
15) Methyl Acetate	2.62	43	322596	53.573	ug/L 99
16) Methylene chloride	2.70	84	258193	53.677	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	234632	53.880	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	789309	55.112	ug/L 100
19) 1,1-Dichloroethane	3.44	63	445471	52.329	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	261044	52.832	ug/L 100
22) 2-Butanone	4.27	43	449401	105.205	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	129789	52.375	ug/L	97
25) Chloroform	4.67	83	452735	55.180	ug/L	94
27) 1,2-Dichloroethane	5.40	62	313389	51.217	ug/L	98
29) Cyclohexane	4.99	56	431589	55.340	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	373313	54.480	ug/L	99
31) Carbon tetrachloride	5.13	117	315286	53.742	ug/L	99
33) Benzene	5.39	78	985828	53.001	ug/L	100
34) Trichloroethene	6.18	95	262441	53.275	ug/L	98
35) Methylcyclohexane	6.41	83	370515	51.400	ug/L	99
37) 1,2-Dichloropropane	6.43	63	255131	51.489	ug/L	100
38) Bromodichloromethane	6.75	83	307210	50.542	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	397763	53.636	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	771735	102.479	ug/L	99
42) Toluene	7.63	91	1004091	52.020	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	328034	51.315	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	235215	51.684	ug/L	98
46) Tetrachloroethene	8.22	164	185110	52.983	ug/L	98
48) 2-Hexanone	8.36	43	591694	100.723	ug/L	98
49) Dibromochloromethane	8.47	129	249455	51.663	ug/L	99
50) 1,2-Dibromoethane	8.58	107	254491	53.166	ug/L	99
51) Chlorobenzene	9.12	112	618532	51.636	ug/L	98
52) Ethylbenzene	9.25	91	1074902	51.982	ug/L	99
53) m,p-Xylene	9.37	106	407034	53.932	ug/L	97
54) o-xylene	9.77	106	406864	53.621	ug/L	97
55) Styrene	9.79	104	676378	53.598	ug/L	98
56) Isopropylbenzene	10.16	105	1041124	53.409	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	392691	49.977	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	307371	50.261	ug/L	98
61) Bromoform	9.95	173	190774	49.910	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	468877	51.503	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	476572	52.475	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	490767	52.733	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	86252	50.114	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	350206	52.195	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	318942	59.131	ug/L	100
69) Naphthalene	13.74	128	1159168	61.818	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	325665	56.075	ug/L	97

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

