

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071519\
 Data File : VU033244.D
 Acq On : 15 Jul 2019 09:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jul 16 01:44:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 00:05:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	309037	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	311711	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	159571	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104406	44.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.26%
7) Chloroethane-d5	1.67	69	93317	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.38%
11) 1,1-Dichloroethene-d2	2.26	63	199212	46.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.90%
21) 2-Butanone-d5	4.15	46	148968	100.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.50%
24) Chloroform-d	4.62	84	192417	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
26) 1,2-Dichloroethane-d4	5.29	65	122210	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
32) Benzene-d6	5.32	84	375134	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
36) 1,2-Dichloropropane-d6	6.31	67	120332	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.55	98	353802	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.83	79	60843	50.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.30%
47) 2-Hexanone-d5	8.29	63	113922	103.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.16%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188506	50.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	141165	49.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	153154	50.009	ug/L	100
3) Chloromethane	1.32	50	152736	50.623	ug/L	98
5) Vinyl chloride	1.40	62	166874	47.852	ug/L	99
6) Bromomethane	1.61	94	106949	49.194	ug/L	98
8) Chloroethane	1.68	64	101454	48.098	ug/L	99
9) Trichlorofluoromethane	1.87	101	227025	49.507	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	109198	51.795	ug/L	98
12) 1,1-Dichloroethene	2.27	96	101063	48.995	ug/L	99
13) Acetone	2.31	43	193642	104.557	ug/L	99
14) Carbon disulfide	2.46	76	308133	48.843	ug/L	100
15) Methyl Acetate	2.60	43	123099	50.899	ug/L	99
16) Methylene chloride	2.68	84	117063	49.706	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	106053	49.746	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	327567	49.779	ug/L	100
19) 1,1-Dichloroethane	3.42	63	206382	50.363	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	120717	50.201	ug/L	96
22) 2-Butanone	4.23	43	208813	101.494	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61638	50.058	ug/L	96
25) Chloroform	4.65	83	218143	50.052	ug/L	100
27) 1,2-Dichloroethane	5.38	62	170628	50.558	ug/L	99
29) Cyclohexane	4.97	56	174245	51.300	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	181821	49.998	ug/L	100
31) Carbon tetrachloride	5.11	117	161453	50.732	ug/L	99
33) Benzene	5.37	78	461745	50.795	ug/L	100
34) Trichloroethene	6.16	95	117123	49.266	ug/L	99
35) Methylcyclohexane	6.40	83	193589	53.158	ug/L	99
37) 1,2-Dichloropropane	6.41	63	122904	49.854	ug/L	99
38) Bromodichloromethane	6.74	83	161273	50.714	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	190494	50.397	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	333558	100.860	ug/L	99
42) Toluene	7.62	91	506055	51.636	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	176465	51.767	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	117659	50.463	ug/L	98
46) Tetrachloroethene	8.21	164	94244	51.209	ug/L	99
48) 2-Hexanone	8.34	43	285286	105.887	ug/L	100
49) Dibromochloromethane	8.46	129	132820	51.068	ug/L	100
50) 1,2-Dibromoethane	8.57	107	128568	50.574	ug/L	99
51) Chlorobenzene	9.10	112	320796	50.149	ug/L	98
52) Ethylbenzene	9.23	91	545932	52.058	ug/L	98
53) m,p-Xylene	9.36	106	209729	52.799	ug/L	99
54) o-xylene	9.76	106	201759	51.154	ug/L	100
55) Styrene	9.77	104	356577	53.324	ug/L	96
56) Isopropylbenzene	10.15	105	529481	52.169	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	205956	50.289	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	164519	51.262	ug/L	99
61) Bromoform	9.94	173	97603	50.083	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	242098	49.287	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	252142	49.094	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	250839	49.793	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	46778	48.652	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	183924	51.811	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	157617	50.833	ug/L	100
69) Naphthalene	13.73	128	516447	51.946	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	168642	50.097	ug/L	99

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

