

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060320\
 Data File : VU038508.D
 Acq On : 03 Jun 2020 10:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Jun 03 18:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 30 07:49:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	609110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	589572	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	310290	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	152757	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.90%
7) Chloroethane-d5	1.93	69	127040	43.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.59	63	344118	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
21) 2-Butanone-d5	4.67	46	355083	97.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.10	84	361408	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.74	65	228312	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
32) Benzene-d6	5.76	84	690334	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
36) 1,2-Dichloropropane-d6	6.72	67	215136	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.60%
41) Toluene-d8	7.93	98	628412	46.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.82%
43) trans-1,3-Dichloropropene-	8.20	79	109935	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.00%
47) 2-Hexanone-d5	8.66	63	247417	98.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	326191	46.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.82%
64) 1,2-Dichlorobenzene-d4	12.21	152	259350	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	221367	48.282	ug/L 100
3) Chloromethane	1.53	50	202819	47.998	ug/L 99
5) Vinyl chloride	1.62	62	219633	47.050	ug/L 99
6) Bromomethane	1.88	94	122766	64.284	ug/L 97
8) Chloroethane	1.95	64	127211	44.598	ug/L 99
9) Trichlorofluoromethane	2.16	101	321283	51.355	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	192165	51.372	ug/L 99
12) 1,1-Dichloroethene	2.61	96	180675	48.924	ug/L 93
13) Acetone	2.67	43	379303	125.653	ug/L 99
14) Carbon disulfide	2.82	76	566319	47.020	ug/L 100
15) Methyl Acetate	2.98	43	258730	47.815	ug/L 98
16) Methylene chloride	3.08	84	206037	48.554	ug/L 95
17) trans-1,2-Dichloroethene	3.39	96	195207	49.210	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	619598	48.709	ug/L 100
19) 1,1-Dichloroethane	3.91	63	362963	48.316	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	211843	48.750	ug/L 95
22) 2-Butanone	4.75	43	451722	106.734	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	106209	49.369	ug/L	98
25) Chloroform	5.13	83	368196	47.661	ug/L	100
27) 1,2-Dichloroethane	5.83	62	299715	47.915	ug/L	100
29) Cyclohexane	5.42	56	331890	49.097	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	327969	51.157	ug/L	99
31) Carbon tetrachloride	5.56	117	269880	50.510	ug/L	98
33) Benzene	5.81	78	813668	49.138	ug/L	100
34) Trichloroethene	6.57	95	209772	49.514	ug/L	99
35) Methylcyclohexane	6.79	83	332040	49.918	ug/L	99
37) 1,2-Dichloropropane	6.82	63	209027	48.674	ug/L	100
38) Bromodichloromethane	7.13	83	274851	49.943	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	330412	48.351	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	663979	97.220	ug/L	99
42) Toluene	8.00	91	864189	49.711	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	317341	49.610	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	201239	49.381	ug/L	98
46) Tetrachloroethene	8.58	164	156245	50.446	ug/L	98
48) 2-Hexanone	8.71	43	582447	101.007	ug/L	99
49) Dibromochloromethane	8.83	129	209487	50.770	ug/L	98
50) 1,2-Dibromoethane	8.95	107	215697	49.242	ug/L	97
51) Chlorobenzene	9.47	112	545460	48.821	ug/L	100
52) Ethylbenzene	9.59	91	971149	49.858	ug/L	98
53) m,p-Xylene	9.72	106	379523	50.950	ug/L	99
54) o-xylene	10.12	106	366766	50.643	ug/L	98
55) Styrene	10.13	104	627548	50.417	ug/L	99
56) Isopropylbenzene	10.50	105	954470	50.432	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	339415	48.669	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	292173	48.653	ug/L	99
61) Bromoform	10.31	173	153146	49.128	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	439245	48.423	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	444474	48.206	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	432971	48.133	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	87739	47.644	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	326386	50.558	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	308548	49.833	ug/L	97
69) Naphthalene	14.13	128	1094995	49.393	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	306214	49.507	ug/L	99

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

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