

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036608.D
 Acq On : 30 Jan 2020 09:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jan 30 12:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:13:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	327652	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	308504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158229	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110034	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.68%
7) Chloroethane-d5	1.93	69	94265	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.59	63	190571	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.06%
21) 2-Butanone-d5	4.67	46	145640	99.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	5.11	84	185985	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.74	65	115693	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.76	84	403423	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
36) 1,2-Dichloropropane-d6	6.73	67	128889	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.93	98	386080	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	8.21	79	62016	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
47) 2-Hexanone-d5	8.66	63	133327	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	185379	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	151284	44.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	124360	49.828	ug/L 100
3) Chloromethane	1.54	50	129129	48.601	ug/L 99
5) Vinyl chloride	1.62	62	143340	50.596	ug/L 99
6) Bromomethane	1.87	94	85001	51.140	ug/L 98
8) Chloroethane	1.95	64	83050	48.641	ug/L 100
9) Trichlorofluoromethane	2.16	101	164191	49.283	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104895	50.655	ug/L 99
12) 1,1-Dichloroethene	2.60	96	103163	50.657	ug/L 94
13) Acetone	2.66	43	163608	116.030	ug/L 100
14) Carbon disulfide	2.82	76	309086	50.233	ug/L 100
15) Methyl Acetate	2.98	43	115317	52.305	ug/L 98
16) Methylene chloride	3.08	84	117437	47.544	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	110100	50.327	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	345519	49.316	ug/L 100
19) 1,1-Dichloroethane	3.91	63	193305	49.560	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	123230	49.554	ug/L 95
22) 2-Butanone	4.75	43	195049	115.126	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60591	46.900	ug/L	96
25) Chloroform	5.13	83	196437	49.108	ug/L	98
27) 1,2-Dichloroethane	5.83	62	142447	47.587	ug/L	100
29) Cyclohexane	5.43	56	184494	52.262	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	161132	49.750	ug/L	99
31) Carbon tetrachloride	5.56	117	139888	50.275	ug/L	99
33) Benzene	5.81	78	452891	49.101	ug/L	100
34) Trichloroethene	6.57	95	118397	49.870	ug/L	99
35) Methylcyclohexane	6.80	83	203623	51.424	ug/L	99
37) 1,2-Dichloropropane	6.83	63	114978	49.047	ug/L	100
38) Bromodichloromethane	7.14	83	143769	48.811	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	194085	51.387	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	309828	102.951	ug/L	98
42) Toluene	8.00	91	497123	49.586	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	169164	51.040	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	111549	47.439	ug/L	99
46) Tetrachloroethene	8.58	164	97107	50.349	ug/L	98
48) 2-Hexanone	8.72	43	260495	115.073	ug/L	99
49) Dibromochloromethane	8.84	129	121636	48.867	ug/L	100
50) 1,2-Dibromoethane	8.95	107	121639	47.990	ug/L	100
51) Chlorobenzene	9.47	112	322377	49.275	ug/L	99
52) Ethylbenzene	9.59	91	547146	49.820	ug/L	99
53) m,p-Xylene	9.72	106	215319	50.267	ug/L	99
54) o-xylene	10.12	106	210292	49.217	ug/L	100
55) Styrene	10.14	104	357920	51.619	ug/L	97
56) Isopropylbenzene	10.51	105	545482	50.213	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	193723	47.786	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	150139	47.377	ug/L	100
61) Bromoform	10.32	173	93548	44.455	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	259957	48.418	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	258100	48.829	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	251852	46.281	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	41632	47.916	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	192627	52.239	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	157878	60.081	ug/L	99
69) Naphthalene	14.10	128	491003	64.571	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	153164	56.559	ug/L	99

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

