

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036606.D
 Acq On : 29 Jan 2020 20:32
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jan 30 02:53:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 02:48:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	300345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98974	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.94%
7) Chloroethane-d5	1.93	69	83986	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	168623	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
21) 2-Butanone-d5	4.67	46	141876	101.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.35%
24) Chloroform-d	5.11	84	173689	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.75	65	105313	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
32) Benzene-d6	5.77	84	380690	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
36) 1,2-Dichloropropane-d6	6.73	67	117870	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.54%
41) Toluene-d8	7.93	98	370908	45.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.26%
43) trans-1,3-Dichloropropene-	8.21	79	57952	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.66	63	138278	113.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.26%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	181763	46.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	151689	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	104868	43.724	ug/L 99
3) Chloromethane	1.54	50	111284	43.585	ug/L 98
5) Vinyl chloride	1.62	62	123601	45.400	ug/L 98
6) Bromomethane	1.87	94	76357	47.805	ug/L 97
8) Chloroethane	1.95	64	71909	43.826	ug/L 99
9) Trichlorofluoromethane	2.16	101	142123	44.391	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	91936	46.199	ug/L 97
12) 1,1-Dichloroethene	2.61	96	93817	47.938	ug/L 96
13) Acetone	2.66	43	90201	66.567	ug/L 98
14) Carbon disulfide	2.82	76	272340	46.058	ug/L 100
15) Methyl Acetate	2.98	43	104604	49.373	ug/L 100
16) Methylene chloride	3.08	84	109324	46.057	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	100045	47.588	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	313273	46.529	ug/L 99
19) 1,1-Dichloroethane	3.92	63	172173	45.934	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	114647	47.975	ug/L 97
22) 2-Butanone	4.75	43	152277	93.530	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	59576	47.987	ug/L	95
25) Chloroform	5.13	83	175131	45.560	ug/L	100
27) 1,2-Dichloroethane	5.84	62	129886	45.153	ug/L	98
29) Cyclohexane	5.43	56	159271	46.343	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	146422	46.436	ug/L	98
31) Carbon tetrachloride	5.56	117	127231	46.968	ug/L	100
33) Benzene	5.82	78	419358	46.701	ug/L	100
34) Trichloroethene	6.58	95	110420	47.773	ug/L	99
35) Methylcyclohexane	6.80	83	181418	47.061	ug/L	98
37) 1,2-Dichloropropane	6.83	63	106371	46.608	ug/L	100
38) Bromodichloromethane	7.14	83	132449	46.189	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	178335	48.500	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	294091	100.376	ug/L	99
42) Toluene	8.00	91	473365	48.498	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	155065	48.057	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	107424	46.925	ug/L	99
46) Tetrachloroethene	8.58	164	91918	48.953	ug/L	98
48) 2-Hexanone	8.72	43	226728	102.877	ug/L	96
49) Dibromochloromethane	8.84	129	114067	47.071	ug/L	98
50) 1,2-Dibromoethane	8.95	107	119102	48.265	ug/L	99
51) Chlorobenzene	9.47	112	304943	47.877	ug/L	99
52) Ethylbenzene	9.60	91	516092	48.269	ug/L	100
53) m,p-Xylene	9.72	106	206751	49.578	ug/L	97
54) o-xylene	10.12	106	204280	49.109	ug/L	96
55) Styrene	10.14	104	342527	50.741	ug/L	99
56) Isopropylbenzene	10.51	105	516378	48.825	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	187280	47.452	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	148221	48.043	ug/L	100
61) Bromoform	10.32	173	92423	43.975	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	252376	47.064	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	251141	47.571	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	247325	45.505	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	43547	50.182	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	193033	52.414	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	177535	67.645	ug/L	98
69) Naphthalene	14.10	128	1028444	135.417	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	175950	65.053	ug/L	99

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

