

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020320\
 Data File : VU036677.D
 Acq On : 03 Feb 2020 18:30
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Feb 04 00:56:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 00:53:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	275613	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112701	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.70%
7) Chloroethane-d5	1.93	69	94879	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.78%
11) 1,1-Dichloroethene-d2	2.59	63	186978	47.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.10%
21) 2-Butanone-d5	4.68	46	152862	98.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.81%
24) Chloroform-d	5.11	84	178102	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
26) 1,2-Dichloroethane-d4	5.75	65	116189	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
32) Benzene-d6	5.77	84	380622	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.73	67	123276	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.93	98	350258	47.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.96%
43) trans-1,3-Dichloropropene-	8.21	79	59800	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.56%
47) 2-Hexanone-d5	8.67	63	146435	101.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.03%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	179305	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	119706	46.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	110879	51.053	ug/L 100
3) Chloromethane	1.54	50	129295	48.696	ug/L 99
5) Vinyl chloride	1.62	62	139129	50.973	ug/L 95
6) Bromomethane	1.87	94	78622	57.605	ug/L 99
8) Chloroethane	1.95	64	83576	51.409	ug/L 99
9) Trichlorofluoromethane	2.16	101	156169	52.300	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90676	52.733	ug/L 99
12) 1,1-Dichloroethene	2.61	96	90898	51.968	ug/L 94
13) Acetone	2.66	43	130990	99.573	ug/L 97
14) Carbon disulfide	2.82	76	267443	50.097	ug/L 100
15) Methyl Acetate	2.99	43	123477	51.551	ug/L 98
16) Methylene chloride	3.08	84	109100	49.629	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	96387	51.857	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	340952	51.808	ug/L 99
19) 1,1-Dichloroethane	3.92	63	192205	51.678	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	111196	51.814	ug/L 99
22) 2-Butanone	4.76	43	186698	103.799	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50922	51.721	ug/L	96
25) Chloroform	5.14	83	187834	52.641	ug/L	98
27) 1,2-Dichloroethane	5.84	62	150307	51.527	ug/L	100
29) Cyclohexane	5.43	56	181000	51.293	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	150704	51.749	ug/L	100
31) Carbon tetrachloride	5.57	117	123548	52.289	ug/L	98
33) Benzene	5.82	78	432194	51.894	ug/L	100
34) Trichloroethene	6.58	95	105182	51.926	ug/L	99
35) Methylcyclohexane	6.80	83	182013	52.437	ug/L	99
37) 1,2-Dichloropropane	6.83	63	115525	51.171	ug/L	100
38) Bromodichloromethane	7.14	83	138033	50.848	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	180162	50.418	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	343701	100.805	ug/L	98
42) Toluene	8.00	91	461823	51.674	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	160359	50.832	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	103868	50.982	ug/L	99
46) Tetrachloroethene	8.58	164	73867	49.547	ug/L	99
48) 2-Hexanone	8.72	43	269863	102.172	ug/L	98
49) Dibromochloromethane	8.84	129	104237	51.988	ug/L	98
50) 1,2-Dibromoethane	8.95	107	109807	51.140	ug/L	96
51) Chlorobenzene	9.47	112	270739	50.905	ug/L	100
52) Ethylbenzene	9.60	91	506015	51.648	ug/L	99
53) m,p-Xylene	9.72	106	187747	51.957	ug/L	98
54) o-xylene	10.13	106	187034	51.381	ug/L	98
55) Styrene	10.14	104	317989	51.392	ug/L	100
56) Isopropylbenzene	10.51	105	487946	51.961	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	187143	50.932	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	151264	50.479	ug/L	99
61) Bromoform	10.32	173	74683	49.694	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	202847	50.727	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	200856	50.532	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	203512	50.590	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	43755	52.305	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	143616	53.350	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	121343	54.208	ug/L	100
69) Naphthalene	14.10	128	433532	50.468	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	120853	52.170	ug/L	98

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

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