

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022720\
 Data File : VU036958.D
 Acq On : 27 Feb 2020 21:07
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Feb 27 22:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 22:00:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265837	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252404	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110639	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84212	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.44%
7) Chloroethane-d5	1.93	69	79085	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.62%
11) 1,1-Dichloroethene-d2	2.59	63	156723	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.84%
21) 2-Butanone-d5	4.67	46	159306	106.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.38%
24) Chloroform-d	5.11	84	164680	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
26) 1,2-Dichloroethane-d4	5.74	65	109436	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.76	84	338905	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
36) 1,2-Dichloropropane-d6	6.72	67	111803	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.93	98	307239	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%
43) trans-1,3-Dichloropropene-	8.20	79	48851	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.90%
47) 2-Hexanone-d5	8.66	63	118364	102.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.37%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	169679	50.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	103281	47.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	108938	48.313	ug/L	100
3) Chloromethane	1.54	50	125844	48.511	ug/L	99
5) Vinyl chloride	1.62	62	130944	48.936	ug/L	100
6) Bromomethane	1.87	94	65030	47.368	ug/L	100
8) Chloroethane	1.95	64	78991	49.247	ug/L	98
9) Trichlorofluoromethane	2.16	101	140683	49.573	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82057	48.336	ug/L	99
12) 1,1-Dichloroethene	2.61	96	81906	47.702	ug/L	85
13) Acetone	2.66	43	103255	67.036	ug/L	97
14) Carbon disulfide	2.82	76	249044	45.842	ug/L	99
15) Methyl Acetate	2.98	43	118524	50.484	ug/L	100
16) Methylene chloride	3.08	84	101011	48.232	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	89373	48.453	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	290975	48.530	ug/L	98
19) 1,1-Dichloroethane	3.91	63	175610	48.997	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	99950	48.461	ug/L	99
22) 2-Butanone	4.75	43	168397	90.663	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46497	49.781	ug/L	99
25) Chloroform	5.13	83	169829	49.109	ug/L	100
27) 1,2-Dichloroethane	5.83	62	138722	49.273	ug/L	99
29) Cyclohexane	5.43	56	158349	47.276	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	134487	49.697	ug/L	100
31) Carbon tetrachloride	5.56	117	102693	48.415	ug/L	100
33) Benzene	5.81	78	394182	49.434	ug/L	100
34) Trichloroethene	6.57	95	95399	48.677	ug/L	99
35) Methylcyclohexane	6.79	83	158743	46.717	ug/L	99
37) 1,2-Dichloropropane	6.82	63	105662	49.214	ug/L	99
38) Bromodichloromethane	7.13	83	124281	49.040	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	158680	47.979	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	319685	101.050	ug/L	100
42) Toluene	8.00	91	421202	49.581	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	136820	47.690	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	94385	49.436	ug/L	98
46) Tetrachloroethene	8.57	164	61534	47.661	ug/L	98
48) 2-Hexanone	8.71	43	243646	96.510	ug/L	98
49) Dibromochloromethane	8.83	129	87716	48.404	ug/L	99
50) 1,2-Dibromoethane	8.95	107	99156	49.665	ug/L	98
51) Chlorobenzene	9.47	112	245066	48.686	ug/L	100
52) Ethylbenzene	9.59	91	447880	48.634	ug/L	99
53) m,p-Xylene	9.71	106	165932	49.120	ug/L	99
54) o-xylene	10.12	106	163452	48.513	ug/L	98
55) Styrene	10.13	104	270963	49.197	ug/L	100
56) Isopropylbenzene	10.50	105	423086	48.891	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	166425	48.758	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	139108	50.366	ug/L	98
61) Bromoform	10.31	173	60284	48.194	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	171910	47.898	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169556	47.816	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	175948	49.098	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35434	49.840	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	112903	49.559	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	84134	49.292	ug/L	99
69) Naphthalene	14.12	128	135550	44.988	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	85885	50.353	ug/L	98

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

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