

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040529.D
 Acq On : 06 Oct 2020 15:30
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

Quant Time: Oct 07 08:12:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	300781	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	292477	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	157223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	119575	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.58%
7) Chloroethane-d5	1.92	69	91884	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.38%
11) 1,1-Dichloroethene-d2	2.58	63	228839	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
21) 2-Butanone-d5	4.64	46	187876	91.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.65%
24) Chloroform-d	5.08	84	209554	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
26) 1,2-Dichloroethane-d4	5.72	65	143344	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.74	84	402752	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.70	67	131616	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.36%
41) Toluene-d8	7.91	98	372708	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloropropene-	8.18	79	68245	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.74%
47) 2-Hexanone-d5	8.64	63	126149	96.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.99%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	186429	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
66) 1,2-Dichlorobenzene-d4	12.19	152	143616	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	135916	46.928	ug/L	98
3) Chloromethane	1.53	50	138830	45.615	ug/L	100
5) Vinyl chloride	1.61	62	139951	46.443	ug/L	99
6) Bromomethane	1.86	94	75267	47.588	ug/L	99
8) Chloroethane	1.94	64	83775	46.077	ug/L	98
9) Trichlorofluoromethane	2.15	101	182330	47.170	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	109500	47.523	ug/L	99
12) 1,1-Dichloroethene	2.59	96	101398	47.597	ug/L	94
13) Acetone	2.63	43	181733	92.309	ug/L	98
14) Carbon disulfide	2.80	76	336696	46.037	ug/L	100
15) Methyl Acetate	2.96	43	146366	45.579	ug/L	99
16) Methylene chloride	3.06	84	116942	46.287	ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	107169	47.232	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	338479	47.429	ug/L	99
19) 1,1-Dichloroethane	3.89	63	210540	46.524	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	114131	46.673	ug/L	97
22) 2-Butanone	4.72	43	234814	93.499	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	59540	46.723	ug/L	98
25) Chloroform	5.11	83	213653	46.300	ug/L	100
27) 1,2-Dichloroethane	5.81	62	175559	46.101	ug/L	100
29) Cyclohexane	5.40	56	196109	50.077	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	180848	48.145	ug/L	100
31) Carbon tetrachloride	5.54	117	159368	49.064	ug/L	99
33) Benzene	5.79	78	457286	48.372	ug/L	100
34) Trichloroethene	6.55	95	115128	47.275	ug/L	99
35) Methylcyclohexane	6.77	83	186835	50.461	ug/L	99
37) 1,2-Dichloropropane	6.80	63	123296	47.495	ug/L	99
38) Bromodichloromethane	7.12	83	158773	47.085	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	187487	49.278	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	390067	95.225	ug/L	99
42) Toluene	7.98	91	480364	49.771	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	188631	49.242	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	110890	47.683	ug/L	97
46) Tetrachloroethene	8.56	164	86078	48.916	ug/L	99
48) 2-Hexanone	8.69	43	313229	94.082	ug/L	98
49) Dibromochloromethane	8.82	129	123216	48.523	ug/L	99
50) 1,2-Dibromoethane	8.93	107	120811	49.005	ug/L	95
51) Chlorobenzene	9.45	112	303476	47.939	ug/L	99
52) Ethylbenzene	9.57	91	536074	50.040	ug/L	100
53) m,p-Xylene	9.69	106	199260	50.511	ug/L	99
54) o-xylene	10.10	106	193035	51.432	ug/L	99
55) Styrene	10.11	104	339138	51.300	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	190983	46.440	ug/L	99
59) Bromoform	10.29	173	87907	45.618	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	159242	44.589	ug/L	98
61) Isopropylbenzene	10.48	105	517520	49.014	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	434582	50.096	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	442321	50.274	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	243658	47.327	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	247495	45.770	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	236310	45.819	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	43927	43.778	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	162630	48.212	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	138639	47.419	ug/L	98
71) Naphthalene	14.08	128	431057	47.699	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	136508	47.038	ug/L	99

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

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