

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040536.D
 Acq On : 06 Oct 2020 18:59
 Operator : SY/MD
 Sample : L4485-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-04

Quant Time: Oct 07 08:48:55 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	275898	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	276123	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126939	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	111180	46.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.84%
7) Chloroethane-d5	1.92	69	88282	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.82%
11) 1,1-Dichloroethene-d2	2.58	63	163686	36.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.40%
21) 2-Butanone-d5	4.64	46	194325	103.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.34%
24) Chloroform-d	5.08	84	198125	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	5.72	65	140346	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
32) Benzene-d6	5.75	84	386503	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.70	67	128852	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.91	98	335312	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	8.19	79	62980	47.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.54%
47) 2-Hexanone-d5	8.64	63	124194	101.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.15%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	181420	47.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.38%
66) 1,2-Dichlorobenzene-d4	12.19	152	130233	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6698	2.521 ug/L	96
3) Chloromethane	1.53	50	6954	2.491 ug/L	97
5) Vinyl chloride	1.61	62	6935	2.509 ug/L #	58
6) Bromomethane	1.86	94	3405	2.347 ug/L	99
8) Chloroethane	1.94	64	4361	2.615 ug/L	93
9) Trichlorofluoromethane	2.15	101	8354	2.356 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6280	2.971 ug/L	94
12) 1,1-Dichloroethene	2.59	96	5632	2.882 ug/L #	1
13) Acetone	2.64	43	7604	4.211 ug/L	92
14) Carbon disulfide	2.81	76	16384	2.442 ug/L	100
15) Methyl Acetate	2.96	43	7529	2.556 ug/L	97
16) Methylene chloride	3.06	84	5992	2.586 ug/L	88
17) trans-1,2-Dichloroethene	3.37	96	4633	2.226 ug/L	94
18) Methyl tert-butyl Ether	3.38	73	15341	2.343 ug/L	98
19) 1,1-Dichloroethane	3.89	63	9653	2.325 ug/L	98
20) cis-1,2-Dichloroethene	4.69	96	5641	2.515 ug/L	97
22) 2-Butanone	4.73	43	10489	4.553 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	2781m	2.379	ug/L	
25) Chloroform	5.11	83	13220	3.123	ug/L	95
27) 1,2-Dichloroethane	5.81	62	9256	2.650	ug/L #	93
29) Cyclohexane	5.41	56	8123	2.197	ug/L	97
30) 1,1,1-Trichloroethane	5.33	97	8714	2.457	ug/L	97
31) Carbon tetrachloride	5.54	117	7014m	2.287	ug/L	
33) Benzene	5.79	78	22239	2.492	ug/L	100
34) Trichloroethene	6.56	95	5740	2.497	ug/L	96
35) Methylcyclohexane	6.77	83	8016	2.293	ug/L	97
37) 1,2-Dichloropropane	6.81	63	5920	2.415	ug/L	98
38) Bromodichloromethane	7.11	83	7519	2.362	ug/L	90
39) cis-1,3-Dichloropropene	7.61	75	8502	2.367	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	18042	4.665	ug/L #	94
42) Toluene	7.98	91	22271	2.444	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	8785	2.429	ug/L	92
45) 1,1,2-Trichloroethane	8.40	97	5331	2.428	ug/L	95
46) Tetrachloroethene	8.56	164	4258	2.563	ug/L	88
48) 2-Hexanone	8.69	43	18500	5.886	ug/L	97
49) Dibromochloromethane	8.82	129	5769	2.406	ug/L	90
50) 1,2-Dibromoethane	8.92	107	5725	2.460	ug/L	98
51) Chlorobenzene	9.45	112	14376	2.405	ug/L	96
52) Ethylbenzene	9.57	91	22369	2.212	ug/L	98
53) m,p-Xylene	9.70	106	8375	2.249	ug/L	100
54) o-xylene	10.10	106	7504	2.118	ug/L	93
55) Styrene	10.11	104	11529	1.847	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	9974	2.569	ug/L #	98
59) Bromoform	10.29	173	3733	2.399	ug/L	93
60) 1,2,3-Trichloropropane	10.82	75	7785	2.700	ug/L	97
61) Isopropylbenzene	10.48	105	18432	2.162	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	13745	1.962	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	13568	1.910	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	10401	2.502	ug/L	95
65) 1,4-Dichlorobenzene	11.83	146	11182	2.561	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	11509	2.764	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	1974	2.437	ug/L	90
69) 1,3,5-Trichlorobenzene	13.21	180	6612	2.428	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	5051	2.140	ug/L	91
71) Naphthalene	14.08	128	10952	1.501	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	4895	2.089	ug/L	94

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

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