

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040548.D
 Acq On : 07 Oct 2020 16:19
 Operator : SY/MD
 Sample : L4485-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-05

Quant Time: Oct 08 01:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	272105	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	266297	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	128750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	105940	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.66%
7) Chloroethane-d5	1.92	69	86867	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.58%
11) 1,1-Dichloroethene-d2	2.58	63	158830	35.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.24%
21) 2-Butanone-d5	4.64	46	214379	115.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.60%
24) Chloroform-d	5.08	84	191230	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.72	65	132704	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
32) Benzene-d6	5.75	84	367203	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.70	67	121834	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	7.91	98	316318	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	8.19	79	58909	46.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.66%
47) 2-Hexanone-d5	8.64	63	133193	112.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.48%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	179901	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
66) 1,2-Dichlorobenzene-d4	12.19	152	128395	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6485	2.475 ug/L	99
3) Chloromethane	1.53	50	6683	2.427 ug/L	92
5) Vinyl chloride	1.61	62	6766	2.482 ug/L #	66
6) Bromomethane	1.86	94	3377	2.360 ug/L	98
8) Chloroethane	1.94	64	4454	2.708 ug/L	98
9) Trichlorofluoromethane	2.15	101	8774	2.509 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6696	3.212 ug/L #	86
12) 1,1-Dichloroethene	2.59	96	5930	3.077 ug/L #	1
13) Acetone	2.64	43	11002	6.177 ug/L	100
14) Carbon disulfide	2.81	76	15996	2.418 ug/L	98
15) Methyl Acetate	2.96	43	7802	2.686 ug/L	100
16) Methylene chloride	3.06	84	5712	2.499 ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	5013	2.442 ug/L	95
18) Methyl tert-butyl Ether	3.39	73	13857	2.146 ug/L	96
19) 1,1-Dichloroethane	3.89	63	9999	2.442 ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	5337	2.413 ug/L	90
22) 2-Butanone	4.72	43	12131	5.339 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	2717	2.357	ug/L	89
25) Chloroform	5.11	83	11886	2.847	ug/L	95
27) 1,2-Dichloroethane	5.81	62	8840	2.566	ug/L	97
29) Cyclohexane	5.40	56	8165	2.290	ug/L	99
30) 1,1,1-Trichloroethane	5.34	97	8013	2.343	ug/L	95
31) Carbon tetrachloride	5.54	117	6926	2.342	ug/L	98
33) Benzene	5.79	78	21809	2.534	ug/L	100
34) Trichloroethene	6.56	95	5070	2.287	ug/L	94
35) Methylcyclohexane	6.78	83	7634	2.265	ug/L	96
37) 1,2-Dichloropropane	6.80	63	6003	2.540	ug/L #	94
38) Bromodichloromethane	7.12	83	7175	2.337	ug/L #	98
39) cis-1,3-Dichloropropene	7.61	75	7722	2.229	ug/L	91
40) 4-Methyl-2-pentanone	7.80	43	16856	4.520	ug/L	98
42) Toluene	7.98	91	20036	2.280	ug/L	91
44) trans-1,3-Dichloropropene	8.21	75	8617	2.471	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	5193	2.453	ug/L	87
46) Tetrachloroethene	8.56	164	4087	2.551	ug/L	97
48) 2-Hexanone	8.69	43	16947	5.591	ug/L	92
49) Dibromochloromethane	8.81	129	5589	2.417	ug/L	97
50) 1,2-Dibromoethane	8.93	107	5357	2.387	ug/L #	94
51) Chlorobenzene	9.45	112	13817	2.397	ug/L	97
52) Ethylbenzene	9.57	91	21690	2.224	ug/L	98
53) m,p-Xylene	9.69	106	7414	2.064	ug/L	89
54) o-xylene	10.10	106	6723	1.967	ug/L	97
55) Styrene	10.11	104	11425	1.898	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	9299	2.483	ug/L #	96
59) Bromoform	10.29	173	3678	2.331	ug/L	96
60) 1,2,3-Trichloropropane	10.82	75	7387	2.526	ug/L	96
61) Isopropylbenzene	10.48	105	17168	1.986	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	13436	1.891	ug/L	96
63) 1,2,4-Trimethylbenzene	11.47	105	12586	1.747	ug/L	96
64) 1,3-Dichlorobenzene	11.74	146	9425	2.236	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	10868	2.454	ug/L	96
67) 1,2-Dichlorobenzene	12.21	146	11087	2.625	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	2248	2.736	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	6287	2.276	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	4405	1.840	ug/L	98
71) Naphthalene	14.08	128	7674	1.037	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	3855	1.622	ug/L	99

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

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