

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040550.D
 Acq On : 07 Oct 2020 17:25
 Operator : SY/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-07

Quant Time: Oct 08 01:21:33 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	254891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	255389	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	122791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	100400	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.92	69	80938	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.06%
11) 1,1-Dichloroethene-d2	2.58	63	151264	36.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.42%
21) 2-Butanone-d5	4.64	46	202932	116.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.81%
24) Chloroform-d	5.08	84	184203	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.72	65	130341	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.75	84	349080	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
36) 1,2-Dichloropropane-d6	6.70	67	116138	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.91	98	301746	45.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.58%
43) trans-1,3-Dichloropropene-	8.19	79	55648	45.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.28%
47) 2-Hexanone-d5	8.64	63	129109	113.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.69%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	175988	50.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.02%
66) 1,2-Dichlorobenzene-d4	12.19	152	124429	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	5998	2.444 ug/L	99
3) Chloromethane	1.53	50	6518	2.527 ug/L	98
5) Vinyl chloride	1.61	62	6762	2.648 ug/L #	78
6) Bromomethane	1.86	94	3286	2.452 ug/L	100
8) Chloroethane	1.94	64	3877	2.516 ug/L	97
9) Trichlorofluoromethane	2.15	101	8661	2.644 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5934	3.039 ug/L	92
12) 1,1-Dichloroethene	2.59	96	5607	3.106 ug/L #	1
13) Acetone	2.64	43	8775	5.260 ug/L	96
14) Carbon disulfide	2.81	76	14697	2.371 ug/L	97
15) Methyl Acetate	2.96	43	7925	2.912 ug/L	95
16) Methylene chloride	3.06	84	6091	2.845 ug/L	89
17) trans-1,2-Dichloroethene	3.37	96	4913	2.555 ug/L	99
18) Methyl tert-butyl Ether	3.38	73	13738	2.272 ug/L	97
19) 1,1-Dichloroethane	3.89	63	9954	2.596 ug/L	95
20) cis-1,2-Dichloroethene	4.69	96	5294	2.555 ug/L	81
22) 2-Butanone	4.73	43	11612	5.456 ug/L	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	2844	2.634	ug/L	87
25) Chloroform	5.11	83	11825	3.024	ug/L	92
27) 1,2-Dichloroethane	5.81	62	7951	2.464	ug/L #	93
29) Cyclohexane	5.41	56	7344	2.148	ug/L	92
30) 1,1,1-Trichloroethane	5.33	97	8246	2.514	ug/L	97
31) Carbon tetrachloride	5.54	117	7183	2.533	ug/L	96
33) Benzene	5.79	78	20543	2.489	ug/L	100
34) Trichloroethene	6.56	95	5363	2.522	ug/L	93
35) Methylcyclohexane	6.78	83	7429	2.298	ug/L	97
37) 1,2-Dichloropropane	6.80	63	5811	2.564	ug/L #	90
38) Bromodichloromethane	7.12	83	7346	2.495	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	8046	2.422	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	16293	4.555	ug/L	99
42) Toluene	7.98	91	20044	2.378	ug/L	94
44) trans-1,3-Dichloropropene	8.21	75	8039	2.403	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	5197	2.559	ug/L	95
46) Tetrachloroethene	8.56	164	3833	2.495	ug/L	96
48) 2-Hexanone	8.69	43	18862	6.488	ug/L	98
49) Dibromochloromethane	8.81	129	5172	2.333	ug/L	99
50) 1,2-Dibromoethane	8.93	107	5473	2.542	ug/L #	97
51) Chlorobenzene	9.45	112	12937	2.340	ug/L	96
52) Ethylbenzene	9.57	91	20707	2.214	ug/L	100
53) m,p-Xylene	9.69	106	7069	2.052	ug/L	95
54) o-xylene	10.10	106	6377	1.946	ug/L	98
55) Styrene	10.11	104	10964	1.899	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	9148	2.547	ug/L	99
59) Bromoform	10.29	173	3627	2.410	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	7904	2.834	ug/L	99
61) Isopropylbenzene	10.48	105	16914	2.051	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	12625	1.863	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	12255	1.783	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	9383	2.334	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	10413	2.466	ug/L	93
67) 1,2-Dichlorobenzene	12.21	146	10886	2.703	ug/L	94
68) 1,2-Dibromo-3-chloropropan	13.00	75	2101	2.681	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	6511	2.471	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	4913	2.152	ug/L	97
71) Naphthalene	14.08	128	10156	1.439	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	4124	1.820	ug/L	94

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

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