

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040549.D
 Acq On : 07 Oct 2020 17:03
 Operator : SY/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-06

Quant Time: Oct 08 01:59:34 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	257320	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	259609	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	123027	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	100757	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.18%
7) Chloroethane-d5	1.92	69	82529	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.04%
11) 1,1-Dichloroethene-d2	2.58	63	152251	36.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.22%
21) 2-Butanone-d5	4.64	46	204685	116.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.71%
24) Chloroform-d	5.08	84	183367	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	129110	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.74	84	350589	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
36) 1,2-Dichloropropane-d6	6.70	67	117603	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.98%
41) Toluene-d8	7.91	98	303544	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%
43) trans-1,3-Dichloropropene-	8.19	79	56884	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.64	63	133709	115.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.82%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	174583	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
66) 1,2-Dichlorobenzene-d4	12.19	152	123634	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6178	2.493	ug/L	97
3) Chloromethane	1.53	50	6827	2.622	ug/L	96
5) Vinyl chloride	1.61	62	6905	2.678	ug/L #	60
6) Bromomethane	1.86	94	3223	2.382	ug/L	89
8) Chloroethane	1.94	64	4028	2.590	ug/L	99
9) Trichlorofluoromethane	2.15	101	8690	2.628	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6413	3.253	ug/L	87
12) 1,1-Dichloroethene	2.59	96	5992	3.288	ug/L #	1
13) Acetone	2.64	43	9132	5.422	ug/L	97
14) Carbon disulfide	2.81	76	15380	2.458	ug/L	98
15) Methyl Acetate	2.96	43	7354	2.677	ug/L	99
16) Methylene chloride	3.06	84	6149	2.845	ug/L	84
17) trans-1,2-Dichloroethene	3.37	96	4866	2.507	ug/L	87
18) Methyl tert-butyl Ether	3.38	73	13605	2.228	ug/L #	89
19) 1,1-Dichloroethane	3.89	63	10149	2.621	ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	5125	2.450	ug/L	89
22) 2-Butanone	4.72	43	11412	5.312	ug/L	97

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

23) Bromochloromethane	4.99	128	2709	2.485	ug/L #	80
25) Chloroform	5.11	83	11909	3.017	ug/L	99
27) 1,2-Dichloroethane	5.81	62	8855	2.718	ug/L	99
29) Cyclohexane	5.40	56	7274	2.093	ug/L #	89
30) 1,1,1-Trichloroethane	5.33	97	8779	2.633	ug/L	94
31) Carbon tetrachloride	5.54	117	6857m	2.378	ug/L	
33) Benzene	5.79	78	21078	2.512	ug/L	100
34) Trichloroethene	6.55	95	5394	2.495	ug/L	97
35) Methylcyclohexane	6.77	83	6992	2.128	ug/L	97
37) 1,2-Dichloropropane	6.80	63	5816	2.524	ug/L	99
38) Bromodichloromethane	7.12	83	7597	2.538	ug/L #	92
39) cis-1,3-Dichloropropene	7.61	75	7732	2.290	ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	17196	4.729	ug/L	96
42) Toluene	7.98	91	20778	2.425	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	8052	2.368	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	5262	2.549	ug/L	87
46) Tetrachloroethene	8.56	164	3735	2.391	ug/L	87
48) 2-Hexanone	8.69	43	18932	6.406	ug/L	98
49) Dibromochloromethane	8.81	129	5717	2.536	ug/L	86
50) 1,2-Dibromoethane	8.93	107	5223	2.387	ug/L	97
51) Chlorobenzene	9.45	112	13640	2.427	ug/L	94
52) Ethylbenzene	9.57	91	20859	2.194	ug/L	89
53) m,p-Xylene	9.69	106	7004	2.000	ug/L	97
54) o-xylene	10.10	106	6272	1.883	ug/L	99
55) Styrene	10.11	104	10632	1.812	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	9759	2.673	ug/L #	98
59) Bromoform	10.29	173	3683	2.442	ug/L #	98
60) 1,2,3-Trichloropropane	10.82	75	7934	2.839	ug/L	96
61) Isopropylbenzene	10.48	105	15800	1.912	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	12524	1.845	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	11577	1.682	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	9667	2.400	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	10171	2.404	ug/L	93
67) 1,2-Dichlorobenzene	12.20	146	10805	2.677	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	2194	2.794	ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	6139	2.326	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	4471	1.954	ug/L	95
71) Naphthalene	14.08	128	8838	1.250	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.32	180	4135	1.821	ug/L	99

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

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