

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019307.D
 Acq On : 09 Nov 2020 17:11
 Operator : SY/MD
 Sample : L4485-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-05

Quant Time: Nov 10 13:10:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254006	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	125047	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73595	37.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.08%
7) Chloroethane-d5	1.58	69	67640	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.90%
11) 1,1-Dichloroethene-d2	2.12	63	123499	33.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.14%
21) 2-Butanone-d5	3.92	46	125624	114.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.67%
24) Chloroform-d	4.38	84	166034	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
26) 1,2-Dichloroethane-d4	5.06	65	117807	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.07	84	303472	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
36) 1,2-Dichloropropane-d6	6.09	67	100603	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.08%
41) Toluene-d8	7.34	98	267694	40.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.94%
43) trans-1,3-Dichloropropene-	7.64	79	49950	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.11	63	75949	93.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.42%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	126503	45.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.68%
66) 1,2-Dichlorobenzene-d4	11.65	152	117995	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2926	1.855	ug/L	98
3) Chloromethane	1.25	50	3784	2.304	ug/L	94
5) Vinyl chloride	1.32	62	4293	2.511	ug/L #	79
6) Bromomethane	1.53	94	2547	2.217	ug/L	89
8) Chloroethane	1.60	64	2765	2.473	ug/L	96
9) Trichlorofluoromethane	1.77	101	6415	2.267	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4422	3.288	ug/L #	82
12) 1,1-Dichloroethene	2.13	96	4157	2.991	ug/L #	1
13) Acetone	2.20	43	5190	6.229	ug/L	75
14) Carbon disulfide	2.31	76	8615	2.159	ug/L	98
15) Methyl Acetate	2.46	43	3789	2.347	ug/L #	74
16) Methylene chloride	2.52	84	4091	2.476	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3122	2.071	ug/L	82
18) Methyl tert-butyl Ether	2.79	73	10244	1.933	ug/L	98
19) 1,1-Dichloroethane	3.22	63	6554	2.219	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	3552	2.132	ug/L	99
22) 2-Butanone	4.02	43	4772m	4.512	ug/L	

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

23) Bromochloromethane	4.29	128	1839m	2.005	ug/L	
25) Chloroform	4.40	83	8680	2.741	ug/L	94
27) 1,2-Dichloroethane	5.16	62	5704	2.119	ug/L	98
29) Cyclohexane	4.71	56	4619	2.125	ug/L #	91
30) 1,1,1-Trichloroethane	4.63	97	6137	2.083	ug/L #	92
31) Carbon tetrachloride	4.86	117	4911	1.931	ug/L	93
33) Benzene	5.13	78	14669	2.324	ug/L	100
34) Trichloroethene	5.95	95	3796	2.213	ug/L	96
35) Methylcyclohexane	6.15	83	4382	2.110	ug/L	93
37) 1,2-Dichloropropane	6.20	63	3354	1.991	ug/L #	88
38) Bromodichloromethane	6.54	83	4969	2.049	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	5365m	1.990	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	8972	3.964	ug/L	98
42) Toluene	7.41	91	15400	2.257	ug/L	94
44) trans-1,3-Dichloropropene	7.68	75	5630	2.038	ug/L #	80
45) 1,1,2-Trichloroethane	7.86	97	3294	1.978	ug/L	93
46) Tetrachloroethene	8.00	164	3023	2.160	ug/L	98
48) 2-Hexanone	8.16	43	12965m	7.577	ug/L	
49) Dibromochloromethane	8.27	129	3940	1.984	ug/L	100
50) 1,2-Dibromoethane	8.38	107	3507	2.032	ug/L #	84
51) Chlorobenzene	8.90	112	9910	2.171	ug/L	95
52) Ethylbenzene	9.04	91	14350	1.906	ug/L	97
53) m,p-Xylene	9.16	106	5081	1.803	ug/L	93
54) o-Xylene	9.57	106	5060	1.821	ug/L	98
55) Styrene	9.59	104	7424	1.501	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5785	2.296	ug/L	98
59) Bromoform	9.75	173	2756	1.986	ug/L #	94
60) Isopropylbenzene	9.95	105	12653	1.931	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	4607	2.371	ug/L	92
62) 1,3,5-Trimethylbenzene	10.56	105	9691	1.775	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	9278	1.737	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	7058	2.059	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	8077	2.277	ug/L	91
67) 1,2-Dichlorobenzene	11.67	146	8231	2.347	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	1129	1.992	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.67	180	4836	1.965	ug/L	93
70) 1,2,4-trichlorobenzene	13.29	180	3951	1.707	ug/L	96
71) Naphthalene	13.53	128	9205	1.410	ug/L	97
72) 1,2,3-Trichlorobenzene	13.77	180	4138	1.803	ug/L	99

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

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