

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019227.D
 Acq On : 03 Nov 2020 12:17
 Operator : JC/MD
 Sample : L4485-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-03

Quant Time: Nov 04 01:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	443933	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	414051	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	184262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	173081	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.70	69	138928	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.92%
11) 1,1-Dichloroethene-d2	2.34	63	232765	36.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.82%
21) 2-Butanone-d5	4.53	46	199656	102.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	5.14	84	287990	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
26) 1,2-Dichloroethane-d4	6.03	65	202415	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	6.04	84	615069	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
36) 1,2-Dichloropropane-d6	7.37	67	186615	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.36%
41) Toluene-d8	8.70	98	572790	43.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.99	79	96429	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	9.43	63	161131	102.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.78%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	215523	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
66) 1,2-Dichlorobenzene-d4	12.36	152	187135	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6234	2.216 ug/L	99
3) Chloromethane	1.31	50	6507	2.276 ug/L	100
5) Vinyl chloride	1.39	62	7955	2.469 ug/L #	61
6) Bromomethane	1.64	94	5047	2.370 ug/L	98
8) Chloroethane	1.72	64	4902	2.441 ug/L	97
9) Trichlorofluoromethane	1.92	101	10628	2.223 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7994	2.900 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	7614	2.846 ug/L #	1
13) Acetone	2.43	43	5482	4.550 ug/L	98
14) Carbon disulfide	2.55	76	16541	2.049 ug/L	100
15) Methyl Acetate	2.75	43	6717	2.554 ug/L	98
16) Methylene chloride	2.84	84	7250	2.430 ug/L	94
17) trans-1,2-Dichloroethene	3.14	96	6273	2.181 ug/L	92
18) Methyl tert-butyl Ether	3.17	73	19963	2.196 ug/L	98
19) 1,1-Dichloroethane	3.67	63	10896	2.132 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	7081	2.242 ug/L	90
22) 2-Butanone	4.65	43	8626	4.533 ug/L	99

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

23) Bromochloromethane	4.97	128	3484	2.190	ug/L	93
25) Chloroform	5.17	83	22049	4.110	ug/L	98
27) 1,2-Dichloroethane	6.16	62	9993	2.366	ug/L #	94
29) Cyclohexane	5.55	56	10166	2.133	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	10616	2.127	ug/L	99
31) Carbon tetrachloride	5.75	117	8703	2.029	ug/L	99
33) Benzene	6.11	78	26365	2.218	ug/L	100
34) Trichloroethene	7.19	95	7040	2.170	ug/L	99
35) Methylcyclohexane	7.44	83	10646	2.073	ug/L	99
37) 1,2-Dichloropropane	7.49	63	6609	2.238	ug/L #	92
38) Bromodichloromethane	7.87	83	8470	2.063	ug/L	97
39) cis-1,3-Dichloropropene	8.41	75	10404	2.121	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	15838	4.386	ug/L	99
42) Toluene	8.76	91	35318	2.731	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10094	2.112	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	6444	2.222	ug/L	99
46) Tetrachloroethene	9.32	164	5278	2.156	ug/L	97
48) 2-Hexanone	9.47	43	15670	5.507	ug/L	97
49) Dibromochloromethane	9.57	129	6427	2.026	ug/L	92
50) 1,2-Dibromoethane	9.65	107	6532	2.153	ug/L	96
51) Chlorobenzene	10.12	112	17672	2.198	ug/L	96
52) Ethylbenzene	10.23	91	29864	2.136	ug/L	97
53) m,p-Xylene	10.34	106	11141	2.121	ug/L	98
54) o-Xylene	10.68	106	10372	2.040	ug/L	92
55) Styrene	10.70	104	16961	1.977	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	9134	2.297	ug/L #	95
59) Bromoform	10.84	173	3816	1.912	ug/L	98
60) Isopropylbenzene	11.00	105	28123	2.249	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	7548	2.405	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	21924	2.131	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	21397	2.199	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	11924	2.209	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	12172	2.222	ug/L	97
67) 1,2-Dichlorobenzene	12.37	146	12012	2.298	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	1771	2.072	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	7895	2.088	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	7047	2.022	ug/L	98
71) Naphthalene	13.82	128	20823	1.848	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	6688	1.961	ug/L	97

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

