

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\
 Data File : VX019214.D
 Acq On : 02 Nov 2020 16:19
 Operator : JC/MD
 Sample : L4485-08 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-01

Quant Time: Nov 03 07:25:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	468966	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	435557	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	206075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	190523	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.38%
7) Chloroethane-d5	1.70	69	149959	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.34	63	255362	38.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.66%
21) 2-Butanone-d5	4.53	46	220180	106.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.90%
24) Chloroform-d	5.14	84	310406	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	6.03	65	213376	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
32) Benzene-d6	6.04	84	657667	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
36) 1,2-Dichloropropane-d6	7.37	67	196367	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.38%
41) Toluene-d8	8.70	98	614319	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%
43) trans-1,3-Dichloropropene-	8.99	79	100480	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	9.42	63	178065	107.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.98%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	239619	50.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.74%
66) 1,2-Dichlorobenzene-d4	12.36	152	207694	50.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6217	2.092 ug/L	99
3) Chloromethane	1.31	50	8108	2.685 ug/L	96
5) Vinyl chloride	1.39	62	9738	2.861 ug/L #	64
6) Bromomethane	1.64	94	5992	2.664 ug/L	97
8) Chloroethane	1.71	64	5717	2.695 ug/L	89
9) Trichlorofluoromethane	1.92	101	11882	2.353 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8173	2.806 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	8654	3.062 ug/L #	1
13) Acetone	2.43	43	7563	5.942 ug/L	100
14) Carbon disulfide	2.55	76	21711	2.545 ug/L	100
15) Methyl Acetate	2.75	43	7801	2.808 ug/L	99
16) Methylene chloride	2.83	84	8942	2.837 ug/L	96
17) trans-1,2-Dichloroethene	3.14	96	8117	2.672 ug/L	99
18) Methyl tert-butyl Ether	3.16	73	25326	2.637 ug/L	98
19) 1,1-Dichloroethane	3.67	63	13585	2.516 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	8656	2.594 ug/L	95
22) 2-Butanone	4.65	43	10944	5.444 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	4370	2.600	ug/L	96
25) Chloroform	5.17	83	23743	4.190	ug/L	97
27) 1,2-Dichloroethane	6.16	62	11732	2.629	ug/L	96
29) Cyclohexane	5.54	56	10358	2.066	ug/L	97
30) 1,1,1-Trichloroethane	5.46	97	12883	2.454	ug/L	98
31) Carbon tetrachloride	5.75	117	10515	2.331	ug/L	99
33) Benzene	6.11	78	32414	2.592	ug/L	100
34) Trichloroethene	7.18	95	8746	2.563	ug/L	96
35) Methylcyclohexane	7.44	83	9968	1.845	ug/L	99
37) 1,2-Dichloropropane	7.49	63	8082	2.602	ug/L	100
38) Bromodichloromethane	7.87	83	10492	2.429	ug/L	100
39) cis-1,3-Dichloropropene	8.41	75	12774	2.475	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	20084	5.287	ug/L	100
42) Toluene	8.76	91	43274	3.181	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	12435	2.473	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	8011	2.625	ug/L	96
46) Tetrachloroethene	9.32	164	5931	2.303	ug/L	89
48) 2-Hexanone	9.47	43	19120	6.388	ug/L	95
49) Dibromochloromethane	9.56	129	7848	2.351	ug/L	90
50) 1,2-Dibromoethane	9.65	107	8204	2.571	ug/L	97
51) Chlorobenzene	10.12	112	21944	2.594	ug/L	97
52) Ethylbenzene	10.23	91	36874	2.508	ug/L	99
53) m,p-Xylene	10.34	106	13736	2.486	ug/L	94
54) o-Xylene	10.68	106	13370	2.500	ug/L	88
55) Styrene	10.70	104	21602	2.394	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	12431	2.972	ug/L #	98
59) Bromoform	10.84	173	5293	2.371	ug/L	93
60) Isopropylbenzene	11.00	105	34306	2.453	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	9577	2.728	ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	27955	2.430	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	27089	2.489	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	15529	2.572	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	15997	2.611	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	15553	2.660	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	2300	2.406	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	10011	2.367	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	8785	2.254	ug/L	96
71) Naphthalene	13.82	128	28815	2.286	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	8934	2.342	ug/L	99

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

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