

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018213.D
 Acq On : 02 Sep 2020 14:20
 Operator : JC/SP
 Sample : MDL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:53:46 AM

Quant Time: Sep 03 05:12:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:54:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	661543	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	641908	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	288594	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	255347	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.66%
7) Chloroethane-d5	1.70	69	198012	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.62%
11) 1,1-Dichloroethene-d2	2.34	63	395456	38.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.10%
21) 2-Butanone-d5	4.53	46	373439	101.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.05%
24) Chloroform-d	5.14	84	484812	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	6.03	65	355647	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
32) Benzene-d6	6.05	84	945100	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
36) 1,2-Dichloropropane-d6	7.37	67	304355	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.54%
41) Toluene-d8	8.70	98	892163	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	8.99	79	163387	48.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.72%
47) 2-Hexanone-d5	9.43	63	274078	103.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.18%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	393349	48.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.32%
64) 1,2-Dichlorobenzene-d4	12.36	152	340639	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	10324	1.834	ug/L	99
3) Chloromethane	1.31	50	11482	2.227	ug/L	95
5) Vinyl chloride	1.39	62	11689m	2.280	ug/L	
6) Bromomethane	1.64	94	7427	2.533	ug/L	85
8) Chloroethane	1.72	64	6384	2.118	ug/L	84
9) Trichlorofluoromethane	1.92	101	16191	1.903	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	11701	2.530	ug/L	84
12) 1,1-Dichloroethene	2.36	96	11740m	2.697	ug/L	
13) Acetone	2.43	43	10266	4.874	ug/L	94
14) Carbon disulfide	2.56	76	30787	2.233	ug/L	97
15) Methyl Acetate	2.75	43	12148	2.347	ug/L	97
16) Methylene chloride	2.84	84	11584	2.348	ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	9634	2.064	ug/L	85
18) Methyl tert-butyl Ether	3.17	73	27662	1.898	ug/L	97
19) 1,1-Dichloroethane	3.67	63	18226	2.083	ug/L	96
20) cis-1,2-Dichloroethene	4.57	96	10383	2.081	ug/L #	81
22) 2-Butanone	4.64	43	16405	4.749	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	5930	2.124	ug/L	91
25) Chloroform	5.18	83	38970	3.894	ug/L	94
27) 1,2-Dichloroethane	6.17	62	17092	2.254	ug/L #	94
29) Cyclohexane	5.55	56	11763	1.665	ug/L #	69
30) 1,1,1-Trichloroethane	5.47	97	18509	2.100	ug/L	93
31) Carbon tetrachloride	5.76	117	15378	1.916	ug/L	97
33) Benzene	6.11	78	37543	2.021	ug/L	100
34) Trichloroethene	7.18	95	10728	2.058	ug/L	92
35) Methylcyclohexane	7.45	83	11701	1.615	ug/L	95
37) 1,2-Dichloropropane	7.49	63	10272m	2.088	ug/L	
38) Bromodichloromethane	7.87	83	14955	2.135	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	14787m	1.928	ug/L	
40) 4-Methyl-2-pentanone	8.62	43	26104	3.914	ug/L #	95
42) Toluene	8.77	91	38191	1.916	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	15250	1.890	ug/L	86
45) 1,1,2-Trichloroethane	9.20	97	9898	2.005	ug/L	91
46) Tetrachloroethene	9.32	164	7965	1.917	ug/L	94
48) 2-Hexanone	9.48	43	23305	4.323	ug/L	96
49) Dibromochloromethane	9.57	129	12063	1.994	ug/L	94
50) 1,2-Dibromoethane	9.66	107	11152	2.133	ug/L #	97
51) Chlorobenzene	10.12	112	26066	1.920	ug/L	97
52) Ethylbenzene	10.24	91	39494	1.777	ug/L	95
53) m,p-Xylene	10.34	106	13805	1.626	ug/L	83
54) o-xylene	10.68	106	13291	1.640	ug/L	92
55) Styrene	10.70	104	20701	1.479	ug/L	99
56) Isopropylbenzene	11.01	105	32735	1.510	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	16551	2.283	ug/L #	91
59) 1,2,3-Trichloropropane	11.28	75	13084	2.082	ug/L	96
61) Bromoform	10.84	173	9062	2.215	ug/L #	95
62) 1,3-Dichlorobenzene	12.01	146	16913	1.784	ug/L	95
63) 1,4-Dichlorobenzene	12.08	146	20095	2.083	ug/L	91
65) 1,2-Dichlorobenzene	12.37	146	18656	2.043	ug/L #	91
66) 1,2-Dibromo-3-chloropropan	12.99	75	4089	2.394	ug/L #	72
67) 1,3,5-Trichlorobenzene	13.15	180	11237	1.817	ug/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10343	1.812	ug/L	99
69) Naphthalene	13.82	128	30094	1.668	ug/L	95
70) 1,2,3-Trichlorobenzene	14.00	180	10491	1.838	ug/L	96

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

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