

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018215.D
 Acq On : 02 Sep 2020 15:04
 Operator : JC/SP
 Sample : MDL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:53:57 AM

Quant Time: Sep 03 05:17:54 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	672094	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	642904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	294677	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	252738	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.20%
7) Chloroethane-d5	1.70	69	190880	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.58%
11) 1,1-Dichloroethene-d2	2.34	63	390413	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
21) 2-Butanone-d5	4.54	46	353779	94.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.23%
24) Chloroform-d	5.14	84	483355	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
26) 1,2-Dichloroethane-d4	6.03	65	349604	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	6.05	84	950735	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	7.37	67	305674	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.82%
41) Toluene-d8	8.70	98	872136	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	8.99	79	164642	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
47) 2-Hexanone-d5	9.43	63	259495	97.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.54%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	385729	47.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.30%
64) 1,2-Dichlorobenzene-d4	12.36	152	340361	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	10799	1.889	ug/L	99
3) Chloromethane	1.31	50	10350	1.976	ug/L	92
5) Vinyl chloride	1.39	62	11693m	2.245	ug/L	
6) Bromomethane	1.64	94	7035	2.362	ug/L	97
8) Chloroethane	1.72	64	6453	2.107	ug/L	100
9) Trichlorofluoromethane	1.92	101	16778	1.941	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12374	2.633	ug/L #	79
12) 1,1-Dichloroethene	2.36	96	11478m	2.596	ug/L	
13) Acetone	2.43	43	9662	4.515	ug/L	84
14) Carbon disulfide	2.56	76	28661	2.047	ug/L	95
15) Methyl Acetate	2.75	43	9595m	1.825	ug/L	
16) Methylene chloride	2.84	84	12812	2.556	ug/L	95
17) trans-1,2-Dichloroethene	3.14	96	8752	1.846	ug/L	88
18) Methyl tert-butyl Ether	3.17	73	26192	1.769	ug/L	96
19) 1,1-Dichloroethane	3.67	63	17109	1.925	ug/L	97
20) cis-1,2-Dichloroethene	4.57	96	9337	1.842	ug/L #	95
22) 2-Butanone	4.65	43	13356m	3.806	ug/L	

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

23) Bromochloromethane	4.98	128	6140m	2.164	uq/L	
25) Chloroform	5.18	83	39764m	3.911	uq/L	
27) 1,2-Dichloroethane	6.17	62	16277	2.113	uq/L #	86
29) Cyclohexane	5.56	56	12558	1.775	uq/L #	21
30) 1,1,1-Trichloroethane	5.46	97	17412	1.972	uq/L #	94
31) Carbon tetrachloride	5.76	117	15901	1.978	uq/L	97
33) Benzene	6.11	78	35830	1.926	uq/L	100
34) Trichloroethene	7.19	95	9816	1.880	uq/L	90
35) Methylcyclohexane	7.45	83	12014	1.655	uq/L	96
37) 1,2-Dichloropropane	7.50	63	9798	1.989	uq/L	99
38) Bromodichloromethane	7.88	83	13510	1.926	uq/L #	96
39) cis-1,3-Dichloropropene	8.42	75	13641m	1.776	uq/L	
40) 4-Methyl-2-pentanone	8.62	43	23502	3.519	uq/L	96
42) Toluene	8.77	91	39670	1.987	uq/L	96
44) trans-1,3-Dichloropropene	9.02	75	15540	1.923	uq/L	87
45) 1,1,2-Trichloroethane	9.20	97	9452	1.911	uq/L	88
46) Tetrachloroethene	9.32	164	8008	1.924	uq/L	86
48) 2-Hexanone	9.48	43	20285	3.757	uq/L #	96
49) Dibromochloromethane	9.57	129	11243	1.855	uq/L	90
50) 1,2-Dibromoethane	9.66	107	10070	1.923	uq/L #	89
51) Chlorobenzene	10.12	112	25975	1.910	uq/L	97
52) Ethylbenzene	10.24	91	36662	1.647	uq/L	100
53) m,p-Xylene	10.34	106	14219	1.672	uq/L	95
54) o-xylene	10.68	106	13041	1.607	uq/L	96
55) Styrene	10.70	104	21915	1.563	uq/L	100
56) Isopropylbenzene	11.01	105	33300	1.534	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	15409	2.122	uq/L #	88
59) 1,2,3-Trichloropropane	11.28	75	11288	1.794	uq/L	97
61) Bromoform	10.84	173	8043	1.925	uq/L #	97
62) 1,3-Dichlorobenzene	12.01	146	17801	1.839	uq/L	91
63) 1,4-Dichlorobenzene	12.09	146	20067	2.037	uq/L	95
65) 1,2-Dichlorobenzene	12.37	146	20040	2.149	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.98	75	3558	2.040	uq/L #	87
67) 1,3,5-Trichlorobenzene	13.15	180	12195	1.931	uq/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10776	1.849	uq/L	94
69) Naphthalene	13.82	128	28443	1.544	uq/L #	96
70) 1,2,3-Trichlorobenzene	14.01	180	11139	1.911	uq/L	91

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

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