

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018216.D
 Acq On : 02 Sep 2020 15:27
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:02 AM

Quant Time: Sep 03 05:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 05:15:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	656781	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	621298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	287874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	245040	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.46%
7) Chloroethane-d5	1.70	69	193447	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.04%
11) 1,1-Dichloroethene-d2	2.34	63	376901	37.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.02%
21) 2-Butanone-d5	4.53	46	337395	91.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.96%
24) Chloroform-d	5.14	84	466340	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
26) 1,2-Dichloroethane-d4	6.03	65	338715	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	6.05	84	910951	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	7.37	67	290212	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.04%
41) Toluene-d8	8.70	98	846688	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%
43) trans-1,3-Dichloropropene-	8.99	79	154906	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.72%
47) 2-Hexanone-d5	9.43	63	250170	97.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	368000	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	12.36	152	332883	53.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11524	2.062	ug/L 99
3) Chloromethane	1.31	50	10463	2.044	ug/L 97
5) Vinyl chloride	1.39	62	11188m	2.198	ug/L
6) Bromomethane	1.64	94	6533	2.245	ug/L 99
8) Chloroethane	1.72	64	6351	2.122	ug/L 100
9) Trichlorofluoromethane	1.92	101	16862	1.996	ug/L 94
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12293	2.677	ug/L 87
12) 1,1-Dichloroethene	2.36	96	12061m	2.791	ug/L
13) Acetone	2.42	43	9024	4.315	ug/L 81
14) Carbon disulfide	2.56	76	28238	2.063	ug/L 96
15) Methyl Acetate	2.75	43	9749m	1.897	ug/L
16) Methylene chloride	2.84	84	12572	2.567	ug/L 87
17) trans-1,2-Dichloroethene	3.14	96	9444	2.038	ug/L 95
18) Methyl tert-butyl Ether	3.16	73	26403	1.825	ug/L 98
19) 1,1-Dichloroethane	3.67	63	17820	2.052	ug/L 95
20) cis-1,2-Dichloroethene	4.57	96	11047m	2.230	ug/L
22) 2-Butanone	4.65	43	13006	3.793	ug/L 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	6077	2.192	ug/L	81
25) Chloroform	5.18	83	40322	4.059	ug/L	92
27) 1,2-Dichloroethane	6.17	62	16568	2.201	ug/L	98
29) Cyclohexane	5.55	56	13770m	2.014	ug/L	
30) 1,1,1-Trichloroethane	5.46	97	17582m	2.061	ug/L	
31) Carbon tetrachloride	5.75	117	15260	1.964	ug/L	99
33) Benzene	6.12	78	36012	2.003	ug/L	100
34) Trichloroethene	7.19	95	10773	2.135	ug/L #	88
35) Methylcyclohexane	7.45	83	13306	1.897	ug/L	100
37) 1,2-Dichloropropane	7.49	63	10127	2.127	ug/L #	95
38) Bromodichloromethane	7.88	83	13735	2.026	ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	15168	2.043	ug/L	94
40) 4-Methyl-2-pentanone	8.62	43	23842	3.694	ug/L	96
42) Toluene	8.77	91	36932	1.914	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	14632	1.874	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	9513	1.991	ug/L	87
46) Tetrachloroethene	9.32	164	8338	2.073	ug/L	92
48) 2-Hexanone	9.48	43	19703m	3.776	ug/L	
49) Dibromochloromethane	9.57	129	11462	1.957	ug/L	99
50) 1,2-Dibromoethane	9.65	107	10656	2.106	ug/L	97
51) Chlorobenzene	10.12	112	25561	1.945	ug/L	96
52) Ethylbenzene	10.24	91	37709	1.753	ug/L	98
53) m,p-Xylene	10.34	106	14889	1.812	ug/L	85
54) o-xylene	10.68	106	13227	1.686	ug/L	93
55) Styrene	10.70	104	21356	1.576	ug/L	93
56) Isopropylbenzene	11.00	105	34037	1.622	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	14991	2.136	ug/L #	86
59) 1,2,3-Trichloropropane	11.28	75	11847	1.948	ug/L	93
61) Bromoform	10.84	173	7467	1.829	ug/L #	38
62) 1,3-Dichlorobenzene	12.01	146	17658	1.868	ug/L	95
63) 1,4-Dichlorobenzene	12.09	146	19494	2.025	ug/L	92
65) 1,2-Dichlorobenzene	12.38	146	20276	2.226	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.98	75	4304	2.527	ug/L	95
67) 1,3,5-Trichlorobenzene	13.15	180	12788	2.073	ug/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10782	1.894	ug/L	98
69) Naphthalene	13.82	128	29843	1.658	ug/L	97
70) 1,2,3-Trichlorobenzene	14.00	180	11668	2.049	ug/L	91

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

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