Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092120\
Data File : VX018524.D
Acq On : 22 Sep 2020 16:20
Operator : JC/SP
Sample : MDL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Manual Integrations APPROVED
MMDadoda
10/6/2020 1:13:38 PM

Quant Time: Sep 23 02:44:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 23 01:46:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	604274	50.00	ug/L		0.00
28) Chlorobenzene-d5	10.10	117	579022	50.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	270632	50.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.39	65	166815	41.55	ug/L		0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.10%				
7) Chloroethane-d5	1.70	69	132557	43.70	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.40%				
11) 1,1-Dichloroethene-d2	2.34	63	268813	32.93	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 65.86%				
21) 2-Butanone-d5	4.54	46	235014	88.21	ug/L		0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 88.21%				
24) Chloroform-d	5.14	84	343638	44.71	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.42%				
26) 1,2-Dichloroethane-d4	6.03	65	257971	44.59	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.18%				
32) Benzene-d6	6.05	84	667931	44.48	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.96%				
36) 1,2-Dichloropropane-d6	7.37	67	215325	46.05	ug/L		0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.10%				
41) Toluene-d8	8.70	98	623585	42.46	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 84.92%				
43) trans-1,3-Dichloropropene-	8.99	79	115391	42.97	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.94%				
47) 2-Hexanone-d5	9.43	63	164130	84.46	ug/L		0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 84.46%				
56) 1,1,2,2-Tetrachloroethane-	11.23	84	273077	43.62	ug/L		0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 87.24%				
66) 1,2-Dichlorobenzene-d4	12.36	152	250469	48.01	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.18	85	11332	2.178	ug/L		97
3) Chloromethane	1.31	50	9224	2.322	ug/L		87
5) Vinyl chloride	1.39	62	10525m	2.382	ug/L		
6) Bromomethane	1.64	94	5834	2.478	ug/L		96
8) Chloroethane	1.72	64	5590	2.154	ug/L		90
9) Trichlorofluoromethane	1.92	101	17235	2.310	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	11816	2.913	ug/L	#	86
12) 1,1-Dichloroethene	2.36	96	10920m	2.869	ug/L		
13) Acetone	2.43	43	8983	4.584	ug/L		78
14) Carbon disulfide	2.55	76	25781	2.227	ug/L	#	92
15) Methyl Acetate	2.75	43	8803	2.117	ug/L	#	94
16) Methylene chloride	2.83	84	11624	2.787	ug/L		91
17) trans-1,2-Dichloroethene	3.15	96	9176	2.291	ug/L		93
18) Methyl tert-butyl Ether	3.17	73	24813	1.923	ug/L	#	81
19) 1,1-Dichloroethane	3.67	63	16905	2.270	ug/L	#	87
20) cis-1,2-Dichloroethene	4.56	96	9615	2.195	ug/L	#	90
22) 2-Butanone	4.65	43	14343m	4.820	ug/L		

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	5.00	128	5367m	2.227	ug/L		
25) Chloroform	5.18	83	38630	4.640	ug/L		96
27) 1,2-Dichloroethane	6.17	62	14958	2.245	ug/L		100
29) Cyclohexane	5.55	56	12584	1.981	ug/L	#	87
30) 1,1,1-Trichloroethane	5.46	97	17525	2.252	ug/L	#	79
31) Carbon tetrachloride	5.74	117	15945m	2.269	ug/L		
33) Benzene	6.11	78	35080	2.160	ug/L		100
34) Trichloroethene	7.18	95	10575	2.333	ug/L		90
35) Methylcyclohexane	7.44	83	13579	2.062	ug/L		99
37) 1,2-Dichloropropane	7.49	63	11101	2.590	ug/L		99
38) Bromodichloromethane	7.88	83	12973	2.108	ug/L	#	79
39) cis-1,3-Dichloropropene	8.42	75	13956	2.017	ug/L		93
40) 4-Methyl-2-pentanone	8.62	43	22651	3.984	ug/L		98
42) Toluene	8.76	91	38673	2.216	ug/L		100
44) trans-1,3-Dichloropropene	9.02	75	14644	2.080	ug/L		100
45) 1,1,2-Trichloroethane	9.20	97	9110	2.194	ug/L		98
46) Tetrachloroethene	9.32	164	8961	2.403	ug/L		91
48) 2-Hexanone	9.48	43	19202	4.288	ug/L		97
49) Dibromochloromethane	9.57	129	11139	2.129	ug/L		85
50) 1,2-Dibromoethane	9.65	107	9193	2.013	ug/L		90
51) Chlorobenzene	10.12	112	25369	2.165	ug/L		94
52) Ethylbenzene	10.23	91	39422	2.028	ug/L		96
53) m,p-Xylene	10.34	106	14576	1.969	ug/L		99
54) o-Xylene	10.68	106	14132	1.982	ug/L		98
55) Styrene	10.70	104	22637	1.844	ug/L		98
57) 1,1,2,2-Tetrachloroethane	11.25	83	14818	2.332	ug/L	#	91
59) Bromoform	10.84	173	7328	2.054	ug/L	#	85
60) Isopropylbenzene	11.00	105	35019	2.023	ug/L		97
61) 1,2,3-Trichloropropane	11.28	75	11063	2.266	ug/L		97
62) 1,3,5-Trimethylbenzene	11.49	105	26207	1.833	ug/L		98
63) 1,2,4-Trimethylbenzene	11.79	105	26018	1.787	ug/L		99
64) 1,3-Dichlorobenzene	12.01	146	18944	2.215	ug/L		94
65) 1,4-Dichlorobenzene	12.08	146	21780	2.522	ug/L		96
67) 1,2-Dichlorobenzene	12.38	146	20549	2.496	ug/L		98
68) 1,2-Dibromo-3-chloropropan	12.99	75	3198	2.233	ug/L	#	87
69) 1,3,5-Trichlorobenzene	13.15	180	13533	2.386	ug/L		90
70) 1,2,4-trichlorobenzene	13.63	180	13871	2.664	ug/L		95
71) Naphthalene	13.82	128	27097	1.667	ug/L		95
72) 1,2,3-Trichlorobenzene	14.01	180	10882	2.085	ug/L		94

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

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