Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX025007.D
Acq On : 28 Oct 2021 15:30
Operator : JC/MD
Sample : MDL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 29 07:13:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 12:38:37 2021
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations APPROVED
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11/1/2021 12:58:54 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	155571	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	142386	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	62843	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	49876	50.294	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.580%			
7) Chloroethane-d5	1.672	69	35500	52.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.740%			
11) 1,1-Dichloroethene-d2	2.306	63	91900	37.607	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.220%			
21) 2-Butanone-d5	4.471	46	104794	105.795	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.800%			
24) Chloroform-d	5.062	84	129621	49.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.900%			
26) 1,2-Dichloroethane-d4	5.964	65	98874	51.961	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.920%			
32) Benzene-d6	5.983	84	201550	49.871	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.740%			
36) 1,2-Dichloropropane-d6	7.312	67	70324	51.060	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.120%			
41) Toluene-d8	8.653	98	193281	49.989	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.980%			
43) trans-1,3-Dichloroprop...	8.952	79	39741	50.210	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.420%			
47) 2-Hexanone-d5	9.391	63	75216	107.262	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 107.260%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	95765	51.420	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.840%			
66) 1,2-Dichlorobenzene-d4	12.323	152	63576	52.135	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3054	2.091	ug/L	94
3) Chloromethane	1.288	50	2297	2.262	ug/L	82
5) Vinyl chloride	1.374	62	2620	2.293	ug/L #	78
6) Bromomethane	1.618	94	1757	2.390	ug/L	87
8) Chloroethane	1.691	64	1558	2.699	ug/L #	63
9) Trichlorofluoromethane	1.892	101	5043	1.989	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	2922m	2.540	ug/L	
12) 1,1-Dichloroethene	2.325	96	2524	2.608	ug/L #	1
13) Acetone	2.404	43	3919m	4.162	ug/L	
14) Carbon disulfide	2.514	76	5250	2.002	ug/L #	89
15) Methyl Acetate	2.709	43	3355	2.465	ug/L #	61
16) Methylene chloride	2.788	84	2931	2.675	ug/L	88
17) trans-1,2-Dichloroethene	3.087	96	1901m	1.919	ug/L	
18) Methyl tert-butyl Ether	3.117	73	8408	2.055	ug/L #	87
19) 1,1-Dichloroethane	3.617	63	4741	2.059	ug/L #	86
20) cis-1,2-Dichloroethene	4.495	96	2477	2.213	ug/L #	52
22) 2-Butanone	4.587	43	4632m	3.997	ug/L	
23) Bromochloromethane	4.916	128	1023m	1.829	ug/L	
25) Chloroform	5.099	83	6042	2.358	ug/L	92

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
27) 1,2-Dichloroethane	6.080	62	5012m	2.213 ug/L		
29) Cyclohexane	5.489	56	3768m	1.952 ug/L		
30) 1,1,1-Trichloroethane	5.397	97	5146	2.089 ug/L	#	65
31) Carbon tetrachloride	5.684	117	4024m	1.929 ug/L		
33) Benzene	6.050	78	8567m	1.943 ug/L		
34) Trichloroethene	7.129	95	2409	1.811 ug/L		88
35) Methylcyclohexane	7.379	83	3877	2.020 ug/L	#	84
37) 1,2-Dichloropropane	7.427	63	2745	2.189 ug/L	#	85
38) Bromodichloromethane	7.830	83	3628	1.893 ug/L	#	72
39) cis-1,3-Dichloropropene	8.372	75	3673	1.802 ug/L		98
40) 4-Methyl-2-pentanone	8.580	43	8142	4.180 ug/L	#	82
42) Toluene	8.726	91	12159	2.521 ug/L		89
44) trans-1,3-Dichloropropene	8.988	75	4646m	2.214 ug/L		
45) 1,1,2-Trichloroethane	9.159	97	2334	1.988 ug/L		89
46) Tetrachloroethene	9.275	164	1729	2.083 ug/L	#	71
48) 2-Hexanone	9.433	43	7031	4.368 ug/L	#	84
49) Dibromochloromethane	9.519	129	2285	1.729 ug/L		84
50) 1,2-Dibromoethane	9.610	107	2725	2.104 ug/L	#	93
51) Chlorobenzene	10.079	112	5531	1.917 ug/L	#	76
52) Ethylbenzene	10.195	91	10707	1.923 ug/L		98
53) m,p-Xylene	10.305	106	3574	1.867 ug/L		86
54) o-Xylene	10.646	106	3133	1.674 ug/L		76
55) Styrene	10.659	104	5706	1.802 ug/L		97
57) 1,1,2,2-Tetrachloroethane	11.213	83	4279	2.265 ug/L	#	88
59) Bromoform	10.799	173	1242	1.605 ug/L	#	79
60) Isopropylbenzene	10.963	105	9744	2.034 ug/L		97
61) 1,2,3-Trichloropropane	11.244	75	3360	2.195 ug/L	#	84
62) 1,3,5-Trimethylbenzene	11.457	105	7605	1.833 ug/L		97
63) 1,2,4-Trimethylbenzene	11.756	105	8145	1.958 ug/L		94
64) 1,3-Dichlorobenzene	11.969	146	3663	1.965 ug/L		95
65) 1,4-Dichlorobenzene	12.043	146	3930	2.039 ug/L		93
67) 1,2-Dichlorobenzene	12.341	146	4021	2.112 ug/L		88
68) 1,2-Dibromo-3-chloropr...	12.951	75	1076	2.156 ug/L		88
69) 1,3,5-Trichlorobenzene	13.115	180	2700	2.017 ug/L		94
70) 1,2,4-trichlorobenzene	13.591	180	1848	1.628 ug/L		97
71) Naphthalene	13.780	128	4749	1.210 ug/L		96
72) 1,2,3-Trichlorobenzene	13.963	180	2171	1.860 ug/L		96

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

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