Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
Data File : VU039641.D
Acq On : 23 Jul 2020 17:35
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 03:02:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : MDL02

Manual Integrations APPROVED
sam
7/30/2020 2:58:36 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	191749	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85109	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	54730	43.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.68%			
7) Chloroethane-d5	1.92	69	66013	44.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.26%			
11) 1,1-Dichloroethene-d2	2.58	63	88957	33.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.34%			
21) 2-Butanone-d5	4.65	46	138913	96.39	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.39%			
24) Chloroform-d	5.09	84	126277	44.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.96%			
26) 1,2-Dichloroethane-d4	5.72	65	91213	45.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.92%			
32) Benzene-d6	5.75	84	239144	47.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.96%			
36) 1,2-Dichloropropane-d6	6.70	67	79355	48.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.10%			
41) Toluene-d8	7.91	98	220892	46.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.22%			
43) trans-1,3-Dichloropropene-	8.19	79	38688	46.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.82%			
47) 2-Hexanone-d5	8.64	63	85611	95.02	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.02%			
57) 1,1,2,2-Tetrachloroethane-	10.76	84	118737	45.40	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.80%			
64) 1,2-Dichlorobenzene-d4	12.19	152	87558	47.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.10%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	2329	1.783	ug/L	97
3) Chloromethane	1.53	50	2644	1.948	ug/L	97
5) Vinyl chloride	1.61	62	2843	2.062	ug/L #	69
6) Bromomethane	1.86	94	2343	2.261	ug/L	97
8) Chloroethane	1.94	64	2515	2.051	ug/L	98
9) Trichlorofluoromethane	2.15	101	4410	1.810	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2716m	2.316	ug/L	
12) 1,1-Dichloroethene	2.59	96	2910	2.660	ug/L #	1
13) Acetone	2.65	43	3661	3.817	ug/L	91
14) Carbon disulfide	2.81	76	6493	1.855	ug/L #	94
15) Methyl Acetate	2.97	43	3385	1.970	ug/L	100
16) Methylene chloride	3.06	84	2485	1.897	ug/L	92
17) trans-1,2-Dichloroethene	3.37	96	2154	1.770	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	7229	1.838	ug/L #	79
19) 1,1-Dichloroethane	3.90	63	4315	1.817	ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	2638	1.896	ug/L #	63
22) 2-Butanone	4.74	43	5302m	3.923	ug/L	

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 02:44:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	5.00	128	1425	2.038 ug/L		88
25) Chloroform	5.11	83	8711	3.306 ug/L		98
27) 1,2-Dichloroethane	5.81	62	3907	1.788 ug/L		99
29) Cyclohexane	5.41	56	4017	2.038 ug/L		91
30) 1,1,1-Trichloroethane	5.33	97	4386m	2.020 ug/L		
31) Carbon tetrachloride	5.55	117	3559	1.976 ug/L		97
33) Benzene	5.79	78	10592	2.119 ug/L		100
34) Trichloroethene	6.56	95	2635	1.993 ug/L		96
35) Methylcyclohexane	6.78	83	3347	1.637 ug/L		94
37) 1,2-Dichloropropane	6.81	63	2644	1.953 ug/L	#	89
38) Bromodichloromethane	7.12	83	3390	1.886 ug/L		85
39) cis-1,3-Dichloropropene	7.62	75	3891	1.924 ug/L		90
40) 4-Methyl-2-pentanone	7.80	43	9145	3.878 ug/L		98
42) Toluene	7.98	91	10014	1.821 ug/L		97
44) trans-1,3-Dichloropropene	8.22	75	3270	1.651 ug/L		94
45) 1,1,2-Trichloroethane	8.41	97	2773	2.148 ug/L		88
46) Tetrachloroethene	8.56	164	1745	1.745 ug/L		90
48) 2-Hexanone	8.69	43	10704	5.571 ug/L	#	96
49) Dibromochloromethane	8.82	129	2514	1.725 ug/L		91
50) 1,2-Dibromoethane	8.93	107	2868	1.997 ug/L	#	89
51) Chlorobenzene	9.45	112	6730	1.918 ug/L		88
52) Ethylbenzene	9.57	91	10584	1.742 ug/L		100
53) m,p-Xylene	9.70	106	3770	1.646 ug/L		97
54) o-xylene	10.11	106	3586	1.632 ug/L		82
55) Styrene	10.11	104	5971	1.570 ug/L		97
56) Isopropylbenzene	10.49	105	9917	1.662 ug/L		97
58) 1,1,2,2-Tetrachloroethane	10.78	83	4946	2.102 ug/L	#	88
59) 1,2,3-Trichloropropane	10.82	75	3711	1.890 ug/L		96
61) Bromoform	10.29	173	1705	1.694 ug/L	#	93
62) 1,3-Dichlorobenzene	11.74	146	4455	1.709 ug/L		89
63) 1,4-Dichlorobenzene	11.83	146	4990	1.911 ug/L	#	90
65) 1,2-Dichlorobenzene	12.21	146	5325	2.021 ug/L		97
66) 1,2-Dibromo-3-chloropropan	12.99	75	826m	1.567 ug/L		
67) 1,3,5-Trichlorobenzene	13.21	180	3093m	1.645 ug/L		
68) 1,2,4-trichlorobenzene	13.83	180	2510	1.573 ug/L		97
69) Naphthalene	14.08	128	7669	1.602 ug/L	#	96
70) 1,2,3-Trichlorobenzene	14.32	180	2708	1.680 ug/L		98

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

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