Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081518\
Data File : VU026157.D
Acq On : 15 Aug 2018 19:34
Operator : MD/SY
Sample : MDL02
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL02

Manual Integrations APPROVED
MMDadoda
8/16/2018 4:20:18 PM

Quant Time: Aug 16 04:51:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	283501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	111899	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	69339	41.65	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.30%			
7) Chloroethane-d5	1.68	69	60520	44.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 88.46%			
11) 1,1-Dichloroethene-d2	2.27	63	110063	33.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.34%			
21) 2-Butanone-d5	4.18	46	137521	107.67	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 107.67%			
24) Chloroform-d	4.65	84	170637	45.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.52%			
26) 1,2-Dichloroethane-d4	5.31	65	114427	46.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.78%			
32) Benzene-d6	5.35	84	325595	47.27	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.54%			
36) 1,2-Dichloropropane-d6	6.33	67	106265	46.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.86%			
41) Toluene-d8	7.57	98	299176	45.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.76%			
43) trans-1,3-Dichloropropene-	7.85	79	48959	45.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.34%			
47) 2-Hexanone-d5	8.31	63	96650	104.18	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.18%			
57) 1,1,2,2-Tetrachloroethane-	10.44	84	148764	46.68	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.36%			
64) 1,2-Dichlorobenzene-d4	11.86	152	114874	49.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	4217	1.88	ug/L	94
3) Chloromethane	1.33	50	4760	2.33	ug/L	95
5) Vinyl chloride	1.40	62	4165	2.04	ug/L #	64
6) Bromomethane	1.62	94	2305	2.19	ug/L	87
8) Chloroethane	1.70	64	2426	1.99	ug/L	99
9) Trichlorofluoromethane	1.89	101	5616	1.86	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3988	2.44	ug/L #	81
12) 1,1-Dichloroethene	2.28	96	3940	2.63	ug/L #	1
13) Acetone	2.32	43	5132	4.39	ug/L	90
14) Carbon disulfide	2.48	76	9766	1.88	ug/L	96
15) Methyl Acetate	2.62	43	5395	2.66	ug/L	91
16) Methylene chloride	2.71	84	4463	2.22	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	3382	1.90	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	10468	1.86	ug/L	97
19) 1,1-Dichloroethane	3.45	63	6695	1.96	ug/L #	91
20) cis-1,2-Dichloroethene	4.23	96	3937	1.98	ug/L	92
22) 2-Butanone	4.27	43	5404	3.71	ug/L #	72

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.55	128	2004	1.86 ug/L #	92
25) Chloroform	4.68	83	8711	2.43 ug/L	96
27) 1,2-Dichloroethane	5.41	62	6420	2.21 ug/L	97
29) Cyclohexane	5.00	56	4563	1.71 ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	6500	2.04 ug/L	98
31) Carbon tetrachloride	5.14	117	5754	1.99 ug/L	97
33) Benzene	5.39	78	13815	1.91 ug/L	100
34) Trichloroethene	6.19	95	3521	1.87 ug/L	97
35) Methylcyclohexane	6.42	83	5158	1.82 ug/L	99
37) 1,2-Dichloropropane	6.44	63	3988	1.97 ug/L #	92
38) Bromodichloromethane	6.76	83	5011	1.87 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	5851	1.95 ug/L	92
40) 4-Methyl-2-pentanone	7.46	43	9621	3.84 ug/L	98
42) Toluene	7.64	91	14995	1.95 ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5488	1.90 ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	3929	2.05 ug/L	95
46) Tetrachloroethene	8.23	164	3080	1.90 ug/L	87
48) 2-Hexanone	8.37	43	9231	4.70 ug/L #	97
49) Dibromochloromethane	8.48	129	4373	1.90 ug/L	82
50) 1,2-Dibromoethane	8.59	107	4116	2.07 ug/L #	98
51) Chlorobenzene	9.12	112	10687	2.04 ug/L	96
52) Ethylbenzene	9.26	91	14143	1.69 ug/L	96
53) m,p-Xylene	9.38	106	4873	1.51 ug/L	85
54) o-xylene	9.79	106	5062	1.57 ug/L	88
55) Styrene	9.80	104	8233	1.54 ug/L	96
56) Isopropylbenzene	10.17	105	12785	1.55 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	7104	2.22 ug/L #	94
59) 1,2,3-Trichloropropane	10.50	75	4984	2.00 ug/L	96
61) Bromoform	9.96	173	3301	2.26 ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	6019	1.79 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	6544	1.89 ug/L	86
65) 1,2-Dichlorobenzene	11.89	146	8157	2.28 ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	1163	2.05 ug/L	89
67) 1,3,5-Trichlorobenzene	12.90	180	4183	1.69 ug/L #	94
68) 1,2,4-trichlorobenzene	13.51	180	2825m	1.51 ug/L	
69) Naphthalene	13.75	128	6825m	1.28 ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2960m	1.47 ug/L	

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

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