Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
Data File : VU033786.D
Acq On : 13 Aug 2019 17:09
Operator : JC/SP
Sample : MDL07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:42:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 04:23:45 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : MDL07

Manual Integrations APPROVED
MMDadoda
8/14/2019 10:44:48 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	388814	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	385884	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	183051	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	179056	48.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.98%			
7) Chloroethane-d5	1.67	69	169550	49.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.60%			
11) 1,1-Dichloroethene-d2	2.26	63	233836	38.77	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 77.54%			
21) 2-Butanone-d5	4.16	46	219589	106.89	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.89%			
24) Chloroform-d	4.62	84	283618	49.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.36%			
26) 1,2-Dichloroethane-d4	5.29	65	187723	52.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.16%			
32) Benzene-d6	5.32	84	580130	52.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.96%			
36) 1,2-Dichloropropane-d6	6.31	67	186758	52.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.56%			
41) Toluene-d8	7.55	98	520255	50.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.94%			
43) trans-1,3-Dichloropropene-	7.83	79	85895	50.38	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.76%			
47) 2-Hexanone-d5	8.30	63	149387	104.50	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.50%			
56) 1,1,2,2-Tetrachloroethane-	10.41	84	252830	49.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.18%			
66) 1,2-Dichlorobenzene-d4	11.84	152	201573	54.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.02%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	11489	2.964	ug/L	99
3) Chloromethane	1.32	50	12066	2.998	ug/L	97
5) Vinyl chloride	1.39	62	13640	3.130	ug/L #	71
6) Bromomethane	1.62	94	8618	2.694	ug/L	93
8) Chloroethane	1.69	64	8967	2.879	ug/L	99
9) Trichlorofluoromethane	1.87	101	16525	2.951	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	10306	3.761	ug/L #	84
12) 1,1-Dichloroethene	2.27	96	9608	3.563	ug/L #	1
13) Acetone	2.32	43	11444	6.116	ug/L	97
14) Carbon disulfide	2.46	76	26035	3.050	ug/L	100
15) Methyl Acetate	2.61	43	8956	2.863	ug/L	98
16) Methylene chloride	2.68	84	9726	3.160	ug/L	91
17) trans-1,2-Dichloroethene	2.96	96	8829	3.146	ug/L	92
18) Methyl tert-butyl Ether	2.98	73	24320	2.916	ug/L #	92
19) 1,1-Dichloroethane	3.42	63	16408	3.043	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	8994	2.919	ug/L	90
22) 2-Butanone	4.25	43	11483m	5.052	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.53	128	4952	3.102	ug/L		92
25) Chloroform	4.65	83	18772	3.350	ug/L		93
27) 1,2-Dichloroethane	5.39	62	12889	2.961	ug/L		95
29) Cyclohexane	4.97	56	11647	2.746	ug/L		98
30) 1,1,1-Trichloroethane	4.89	97	14154	2.990	ug/L		98
31) Carbon tetrachloride	5.11	117	12721	3.026	ug/L		98
33) Benzene	5.37	78	34775	2.946	ug/L		100
34) Trichloroethene	6.17	95	9372	2.996	ug/L		93
35) Methylcyclohexane	6.40	83	12872	2.824	ug/L		98
37) 1,2-Dichloropropane	6.41	63	10057	3.126	ug/L		100
38) Bromodichloromethane	6.74	83	12277	2.958	ug/L		91
39) cis-1,3-Dichloropropene	7.25	75	13806	2.907	ug/L		100
40) 4-Methyl-2-pentanone	7.44	43	21543	5.382	ug/L		99
42) Toluene	7.62	91	36592	2.935	ug/L		97
44) trans-1,3-Dichloropropene	7.87	75	12793	2.958	ug/L		97
45) 1,1,2-Trichloroethane	8.05	97	9269	3.053	ug/L		96
46) Tetrachloroethene	8.21	164	7049	2.874	ug/L		96
48) 2-Hexanone	8.35	43	23081	7.534	ug/L		98
49) Dibromochloromethane	8.46	129	9986	2.946	ug/L		93
50) 1,2-Dibromoethane	8.57	107	9379	2.945	ug/L		99
51) Chlorobenzene	9.10	112	24300	2.995	ug/L		97
52) Ethylbenzene	9.23	91	36519	2.783	ug/L		99
53) m,p-Xylene	9.36	106	12294	2.507	ug/L		87
54) o-xylene	9.76	106	12248	2.538	ug/L		96
55) Styrene	9.78	104	19269	2.353	ug/L		91
57) 1,1,2,2-Tetrachloroethane	10.44	83	15207	2.995	ug/L	#	95
59) Bromoform	9.94	173	7179	3.070	ug/L		93
60) 1,2,3-Trichloropropane	10.48	75	12414	3.370	ug/L		96
61) Isopropylbenzene	10.15	105	31329	2.765	ug/L		99
62) 1,3,5-Trimethylbenzene	10.76	105	23431	2.561	ug/L		97
63) 1,2,4-Trimethylbenzene	11.13	105	22020	2.426	ug/L		95
64) 1,3-Dichlorobenzene	11.40	146	17547	3.086	ug/L		96
65) 1,4-Dichlorobenzene	11.49	146	19120	3.281	ug/L		96
67) 1,2-Dichlorobenzene	11.86	146	19463	3.369	ug/L		95
68) 1,2-Dibromo-3-chloropropan	12.65	75	2962	2.884	ug/L		89
69) 1,3,5-Trichlorobenzene	12.88	180	11552	2.690	ug/L		99
70) 1,2,4-trichlorobenzene	13.50	180	8049	2.260	ug/L		95
71) Naphthalene	13.74	128	19013	1.793	ug/L		96
72) 1,2,3-Trichlorobenzene	13.98	180	9265	2.482	ug/L		91

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

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