Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
Data File : VW006295.D
Acq On : 23 Oct 2018 14:41
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 24 02:21:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : MDL

Manual Integrations APPROVED
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10/24/2018 2:06:06 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	380513	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	359128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	190329	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	87196	20.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.28%			
7) Chloroethane-d5	2.90	69	84947	23.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.00%			
10) 1,1-Dichloroethene-d2	4.01	63	138319	16.78	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.12%			
20) 2-Butanone-d5	7.09	46	62600	44.01	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.02%			
24) Chloroform-d	7.65	84	194608	23.61	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.44%			
26) 1,2-Dichloroethane-d4	8.31	65	114613	25.13	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.52%			
29) Benzene-d6	8.27	84	398289	24.43	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.72%			
33) 1,2-Dichloropropane-d6	9.28	67	114867	23.34	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.36%			
37) Toluene-d8	10.33	98	392682	24.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.32%			
38) trans-1,3-Dichloropropene-	10.58	79	48246	20.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 80.68%			
39) 2-Hexanone-d5	10.93	63	51865	43.62	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.24%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111017	23.20	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 92.80%			
61) 1,2-Dichlorobenzene-d4	13.86	152	166184	25.47	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.88%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.02	85	3754m	1.044	ug/L	
3) Chloromethane	2.22	50	4079	1.155	ug/L	96
5) Vinyl chloride	2.37	62	5163	0.907	ug/L #	61
6) Bromomethane	2.79	94	4228	0.954	ug/L	95
8) Chloroethane	2.93	64	2907	0.833	ug/L #	76
9) Trichlorofluoromethane	3.26	101	4148	0.911	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	5634m	1.237	ug/L	
12) 1,1-Dichloroethene	4.03	96	4992	1.143	ug/L #	1
13) Acetone	4.14	43	3994	2.779	ug/L	71
14) Carbon disulfide	4.37	76	10607	0.743	ug/L	97
15) Methyl Acetate	4.67	43	2113m	0.908	ug/L	
16) Methylene chloride	4.91	84	10214	2.079	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	6218	0.874	ug/L #	74
18) trans-1,2-Dichloroethene	5.42	96	4129	0.854	ug/L	90
19) 1,1-Dichloroethane	6.22	63	6713	0.858	ug/L	99
21) 2-Butanone	7.17	43	4149m	2.173	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	4631	0.878	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.51	128	2190m	0.883	ug/L		
25) Chloroform	7.67	83	8499	1.009	ug/L		94
27) 1,2-Dichloroethane	8.40	62	5507	0.959	ug/L		98
30) Cyclohexane	7.96	56	6316	0.800	ug/L		99
31) 1,1,1-Trichloroethane	7.88	97	6136	0.817	ug/L		97
32) Carbon tetrachloride	8.07	117	5852m	0.794	ug/L		
34) Benzene	8.33	78	16889	0.916	ug/L		100
35) Trichloroethene	9.09	95	4604	0.888	ug/L		99
36) Methylcyclohexane	9.34	83	7629	0.803	ug/L		96
40) 1,2-Dichloropropane	9.38	63	3906	0.854	ug/L	#	97
41) Bromodichloromethane	9.65	83	4711	0.763	ug/L		89
42) cis-1,3-Dichloropropene	10.07	75	5305m	0.710	ug/L		
43) 4-Methyl-2-pentanone	10.21	43	5723	1.562	ug/L		96
44) Toluene	10.39	91	19093	0.922	ug/L		100
45) trans-1,3-Dichloropropene	10.61	75	7155	1.097	ug/L		97
46) 1,1,2-Trichloroethane	10.79	97	3370	0.885	ug/L		90
47) Tetrachloroethene	10.87	164	4516	0.941	ug/L		87
49) 2-Hexanone	10.98	43	4195	1.553	ug/L		98
50) Dibromochloromethane	11.13	129	3584	0.734	ug/L		91
51) 1,2-Dibromoethane	11.24	107	3402	0.858	ug/L	#	88
52) Chlorobenzene	11.66	112	12093	0.863	ug/L		91
53) Ethylbenzene	11.73	91	20845	0.865	ug/L		94
54) m,p-Xylene	11.85	106	8082	0.856	ug/L		100
55) o-xylene	12.17	106	7369	0.817	ug/L		100
56) Styrene	12.19	104	11632	0.749	ug/L		93
57) Isopropylbenzene	12.47	105	20317	0.810	ug/L		98
58) 1,1,2,2-Tetrachloroethane	12.72	83	4925	0.995	ug/L	#	85
59) 1,2,3-Trichloropropane	12.77	75	3504	0.949	ug/L		97
62) Bromoform	12.35	173	2065	0.648	ug/L		97
63) 1,3-Dichlorobenzene	13.51	146	10091	0.863	ug/L		97
64) 1,4-Dichlorobenzene	13.58	146	11214	0.953	ug/L		97
65) 1,2-Dichlorobenzene	13.88	146	9963	0.927	ug/L		97
66) 1,2-Dibromo-3-chloropropan	14.49	75	661m	0.764	ug/L		
67) 1,3,5-Trichlorobenzene	14.64	180	8560	0.909	ug/L		99
68) 1,2,4-trichlorobenzene	15.14	180	7166	0.892	ug/L		95
69) Naphthalene	15.38	128	12207	0.750	ug/L		99
70) 1,2,3-Trichlorobenzene	15.57	180	6389	0.885	ug/L		96

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

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