Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Data File : VW007939.D
Acq On : 26 Dec 2018 22:43
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 03:05:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 27 00:43:27 2018
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : VSTD02590

Manual Integrations APPROVED
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12/27/2018 4:49:31 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	98228	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	88595	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	43861	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	23349	24.12	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.48%			
7) Chloroethane-d5	2.90	69	16146	24.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.04%			
10) 1,1-Dichloroethene-d2	4.01	63	62282	23.77	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 95.08%			
20) 2-Butanone-d5	7.08	46	21874	52.98	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.96%			
24) Chloroform-d	7.65	84	63001	24.11	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.44%			
26) 1,2-Dichloroethane-d4	8.31	65	38299	24.44	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.76%			
29) Benzene-d6	8.27	84	119468	24.04	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.16%			
33) 1,2-Dichloropropane-d6	9.27	67	32601	24.12	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.48%			
37) Toluene-d8	10.32	98	116732	24.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.44%			
38) trans-1,3-Dichloropropene-	10.58	79	18698	24.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.40%			
39) 2-Hexanone-d5	10.93	63	18662	53.98	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.96%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	32773	25.20	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.80%			
61) 1,2-Dichlorobenzene-d4	13.86	152	42294	23.87	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	27429m	25.336	ug/L	
3) Chloromethane	2.21	50	17910	20.992	ug/L	97
5) Vinyl chloride	2.37	62	23693	22.325	ug/L	93
6) Bromomethane	2.78	94	14005	22.243	ug/L	98
8) Chloroethane	2.93	64	11878	22.526	ug/L	98
9) Trichlorofluoromethane	3.26	101	18955	20.683	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	28450	22.944	ug/L	98
12) 1,1-Dichloroethene	4.03	96	27112	23.877	ug/L	87
13) Acetone	4.12	43	17539	43.483	ug/L	100
14) Carbon disulfide	4.38	76	82107	22.830	ug/L	99
15) Methyl Acetate	4.67	43	15477	25.216	ug/L	98
16) Methylene chloride	4.91	84	33154	20.859	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	47021	23.298	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	28933	23.490	ug/L	96
19) 1,1-Dichloroethane	6.21	63	48392	23.616	ug/L	95
21) 2-Butanone	7.17	43	21545	46.943	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	30100	22.806	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.52	128	14082	23.698	ug/L		90
25) Chloroform	7.68	83	53858	23.337	ug/L		100
27) 1,2-Dichloroethane	8.40	62	40055	23.664	ug/L		97
30) Cyclohexane	7.95	56	45826	23.511	ug/L		98
31) 1,1,1-Trichloroethane	7.87	97	50530	23.789	ug/L		99
32) Carbon tetrachloride	8.07	117	48744	23.903	ug/L		99
34) Benzene	8.32	78	109713	23.142	ug/L		100
35) Trichloroethene	9.09	95	32509	23.602	ug/L		100
36) Methylcyclohexane	9.34	83	56476	23.910	ug/L		98
40) 1,2-Dichloropropane	9.37	63	25796	23.148	ug/L		100
41) Bromodichloromethane	9.65	83	38823	23.688	ug/L		99
42) cis-1,3-Dichloropropene	10.07	75	44705	22.981	ug/L		97
43) 4-Methyl-2-pentanone	10.21	43	42558	48.250	ug/L		98
44) Toluene	10.39	91	124392	23.452	ug/L		97
45) trans-1,3-Dichloropropene	10.60	75	41239	23.007	ug/L		100
46) 1,1,2-Trichloroethane	10.79	97	23074	24.474	ug/L		96
47) Tetrachloroethene	10.86	164	25813	23.587	ug/L		97
49) 2-Hexanone	10.97	43	31114	48.894	ug/L		98
50) Dibromochloromethane	11.13	129	27679	23.044	ug/L		99
51) 1,2-Dibromoethane	11.24	107	23683	24.612	ug/L	#	99
52) Chlorobenzene	11.66	112	80790	23.398	ug/L		97
53) Ethylbenzene	11.73	91	144310	23.680	ug/L		99
54) m,p-Xylene	11.84	106	54521	23.746	ug/L		98
55) o-xylene	12.17	106	51292	23.555	ug/L		96
56) Styrene	12.18	104	88667	24.024	ug/L		100
57) Isopropylbenzene	12.47	105	147640	23.936	ug/L		99
58) 1,1,2,2-Tetrachloroethane	12.72	83	28455	24.341	ug/L		99
59) 1,2,3-Trichloropropane	12.77	75	23331	24.813	ug/L		99
62) Bromoform	12.35	173	16658	24.091	ug/L		99
63) 1,3-Dichlorobenzene	13.51	146	64336	22.944	ug/L		98
64) 1,4-Dichlorobenzene	13.58	146	63934	22.928	ug/L		95
65) 1,2-Dichlorobenzene	13.87	146	59239	23.272	ug/L		98
66) 1,2-Dibromo-3-chloropropan	14.49	75	6317	25.171	ug/L		89
67) 1,3,5-Trichlorobenzene	14.63	180	46232	22.511	ug/L		97
68) 1,2,4-trichlorobenzene	15.14	180	39788	22.569	ug/L		98
69) Naphthalene	15.37	128	99522	24.939	ug/L		100
70) 1,2,3-Trichlorobenzene	15.56	180	37123	23.787	ug/L		97

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

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