Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110419\
Data File : VW013913.D
Acq On : 04 Nov 2019 12:39
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02517

Quant Time: Nov 05 03:52:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 05 03:49:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	300726	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285394	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	171223	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	99058	21.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.68%			
7) Chloroethane-d5	2.89	69	84466	22.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.36%			
10) 1,1-Dichloroethene-d2	4.03	63	215263	22.58	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.32%			
20) 2-Butanone-d5	7.07	46	74415	44.19	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.38%			
24) Chloroform-d	7.65	84	216255	22.82	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.28%			
26) 1,2-Dichloroethane-d4	8.31	65	116110	22.77	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.08%			
29) Benzene-d6	8.27	84	450643	23.57	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.28%			
33) 1,2-Dichloropropane-d6	9.27	67	135955	23.49	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.96%			
37) Toluene-d8	10.32	98	425474	23.46	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.84%			
38) trans-1,3-Dichloropropene-	10.57	79	61702	23.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.40%			
39) 2-Hexanone-d5	10.92	63	60728	46.19	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.38%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116050	22.67	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.68%			
61) 1,2-Dichlorobenzene-d4	13.85	152	152292	22.48	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	74842	23.154	ug/L	94
3) Chloromethane	2.21	50	80353	21.676	ug/L	98
5) Vinyl chloride	2.36	62	133742	25.260	ug/L	98
6) Bromomethane	2.78	94	83164	24.971	ug/L	98
8) Chloroethane	2.92	64	76875	25.576	ug/L	97
9) Trichlorofluoromethane	3.26	101	72284	26.800	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131853	25.473	ug/L	99
12) 1,1-Dichloroethene	4.04	96	131481	25.334	ug/L	91
13) Acetone	4.12	43	69270	42.240	ug/L	99
14) Carbon disulfide	4.39	76	390932	26.355	ug/L	99
15) Methyl Acetate	4.67	43	69125	24.343	ug/L	97
16) Methylene chloride	4.92	84	137419	24.439	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	176687	26.911	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	138687	25.641	ug/L	98
19) 1,1-Dichloroethane	6.21	63	239843	26.117	ug/L	99
21) 2-Butanone	7.17	43	100421	44.612	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	148787	26.158	ug/L	95

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 05 03:49:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67888	25.383	ug/L	93
25) Chloroform	7.67	83	238423	25.823	ug/L	98
27) 1,2-Dichloroethane	8.40	62	155871	25.525	ug/L	97
30) Cyclohexane	7.96	56	234727	27.255	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	189495	27.115	ug/L	99
32) Carbon tetrachloride	8.07	117	184410	26.984	ug/L	99
34) Benzene	8.32	78	557685	26.916	ug/L	100
35) Trichloroethene	9.09	95	146027	26.736	ug/L	100
36) Methylcyclohexane	9.34	83	259200	27.037	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136757	26.892	ug/L	99
41) Bromodichloromethane	9.64	83	172081	26.917	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	215207	26.852	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	194595	49.755	ug/L	99
44) Toluene	10.39	91	605199	27.182	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	176283	26.619	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	104457	25.723	ug/L	97
47) Tetrachloroethene	10.86	164	131158	26.083	ug/L	96
49) 2-Hexanone	10.97	43	139845	48.672	ug/L	98
50) Dibromochloromethane	11.13	129	126525	26.840	ug/L	96
51) 1,2-Dibromoethane	11.23	107	102941	25.643	ug/L	99
52) Chlorobenzene	11.66	112	379323	26.418	ug/L	97
53) Ethylbenzene	11.73	91	658620	26.574	ug/L	96
54) m,p-Xylene	11.83	106	258980	27.115	ug/L	96
55) o-xylene	12.16	106	242528	26.864	ug/L	98
56) Styrene	12.18	104	421475	27.053	ug/L	99
57) Isopropylbenzene	12.46	105	658197	27.037	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	130774	25.571	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	97453	25.380	ug/L	99
62) Bromoform	12.35	173	79873	25.657	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	310891	26.219	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	304985	25.659	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	276948	25.831	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	21187	24.668	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	234981	26.312	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	186542	25.800	ug/L	96
69) Naphthalene	15.36	128	355985	25.952	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	167178	25.092	ug/L	99

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

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