Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102919\
Data File : VW013824.D
Acq On : 30 Oct 2019 05:35
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Manual Integrations APPROVED
MMDadoda
10/30/2019 11:12:38 AM

Quant Time: Oct 30 08:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 08:16:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	301963	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	300365	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176977	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	70360	18.99	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.96%			
7) Chloroethane-d5	2.89	69	66279	19.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.68%			
10) 1,1-Dichloroethene-d2	4.02	63	165624	20.24	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.96%			
20) 2-Butanone-d5	7.07	46	73292	55.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.62%			
24) Chloroform-d	7.65	84	201011	23.79	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.16%			
26) 1,2-Dichloroethane-d4	8.31	65	106487	24.10	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.40%			
29) Benzene-d6	8.27	84	384518	21.31	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 85.24%			
33) 1,2-Dichloropropane-d6	9.27	67	124493	23.10	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.40%			
37) Toluene-d8	10.32	98	353643	21.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.00%			
38) trans-1,3-Dichloropropene-	10.58	79	51107	21.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.08%			
39) 2-Hexanone-d5	10.93	63	57713	56.02	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.04%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117356	26.59	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.36%			
61) 1,2-Dichlorobenzene-d4	13.85	152	140987	22.54	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	58374m	17.187	ug/L	
3) Chloromethane	2.21	50	68252	18.564	ug/L	97
5) Vinyl chloride	2.37	62	108186	23.546	ug/L	99
6) Bromomethane	2.78	94	71658	21.584	ug/L	98
8) Chloroethane	2.92	64	66400	21.385	ug/L	99
9) Trichlorofluoromethane	3.25	101	48470	15.652	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	108582	22.267	ug/L	98
12) 1,1-Dichloroethene	4.04	96	111262	23.184	ug/L	97
13) Acetone	4.12	43	50751	34.508	ug/L	96
14) Carbon disulfide	4.38	76	313033	22.796	ug/L	99
15) Methyl Acetate	4.67	43	61657	25.658	ug/L	99
16) Methylene chloride	4.91	84	129237	22.351	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	163086	24.560	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	123244	23.232	ug/L	95
19) 1,1-Dichloroethane	6.21	63	219542	24.449	ug/L	99
21) 2-Butanone	7.16	43	83455	44.693	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	139498	24.498	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.51	128	65123	25.303 ug/L	93
25) Chloroform	7.68	83	225426	24.991 ug/L	99
27) 1,2-Dichloroethane	8.40	62	148278	25.648 ug/L	94
30) Cyclohexane	7.95	56	189523	21.538 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	163106	23.282 ug/L	100
32) Carbon tetrachloride	8.07	117	157945	23.153 ug/L	99
34) Benzene	8.32	78	515103	23.901 ug/L	100
35) Trichloroethene	9.09	95	127958	23.141 ug/L	98
36) Methylcyclohexane	9.34	83	210718	21.621 ug/L	100
40) 1,2-Dichloropropane	9.37	63	128586	24.402 ug/L	100
41) Bromodichloromethane	9.65	83	163807	25.370 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	196001	23.559 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	178976	49.782 ug/L	99
44) Toluene	10.38	91	554328	23.940 ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	159926	23.814 ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101722	25.030 ug/L	99
47) Tetrachloroethene	10.86	164	113599	22.444 ug/L	97
49) 2-Hexanone	10.97	43	125977	49.391 ug/L	99
50) Dibromochloromethane	11.13	129	120849	25.196 ug/L	98
51) 1,2-Dibromoethane	11.24	107	97662	24.712 ug/L	97
52) Chlorobenzene	11.66	112	355564	24.000 ug/L	98
53) Ethylbenzene	11.73	91	604899	23.644 ug/L	99
54) m,p-Xylene	11.84	106	234559	23.726 ug/L	94
55) o-xylene	12.16	106	226448	24.137 ug/L	97
56) Styrene	12.18	104	397898	24.792 ug/L	99
57) Isopropylbenzene	12.46	105	598117	23.768 ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	122290	25.673 ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	88709	24.974 ug/L	100
62) Bromoform	12.35	173	77112	25.424 ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	282714	23.543 ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	278319	23.064 ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	263259	24.195 ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	19857	26.552 ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	189156	21.188 ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	158375	20.896 ug/L	99
69) Naphthalene	15.36	128	327418	23.841 ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	151304	22.292 ug/L	99

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

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