Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011521\
Data File : VW017916.D
Acq On : 15 Jan 2021 22:28
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02522

Quant Time: Jan 18 02:11:44 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385425	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.63	117	348583	25.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	179552	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.35	65	131548	22.06	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.24%				
7) Chloroethane-d5	2.89	69	121899	24.77	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.08%				
10) 1,1-Dichloroethene-d2	4.02	63	237325	22.84	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 91.36%				
20) 2-Butanone-d5	7.10	46	61128	63.24	ug/L		0.03
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.48%				
24) Chloroform-d	7.65	84	268084	26.62	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.48%				
26) 1,2-Dichloroethane-d4	8.31	65	145569	27.92	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 111.68%				
29) Benzene-d6	8.27	84	495765	25.25	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.00%				
33) 1,2-Dichloropropane-d6	9.27	67	144777	26.75	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 107.00%				
37) Toluene-d8	10.32	98	471924	25.02	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.08%				
38) trans-1,3-Dichloropropene-	10.58	79	60065	24.90	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.60%				
39) 2-Hexanone-d5	10.93	63	43391	63.84	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 127.68%				
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118405	29.47	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 117.88%				
61) 1,2-Dichlorobenzene-d4	13.85	152	164461	26.30	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.01	85	75426	17.725	ug/L		89
3) Chloromethane	2.21	50	89053	23.544	ug/L		100
5) Vinyl chloride	2.35	62	157585	24.627	ug/L		96
6) Bromomethane	2.78	94	102180	21.534	ug/L		99
8) Chloroethane	2.92	64	107782	26.866	ug/L		98
9) Trichlorofluoromethane	3.25	101	117869	22.451	ug/L		98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122263	24.952	ug/L	#	72
12) 1,1-Dichloroethene	4.04	96	115184	24.249	ug/L		94
13) Acetone	4.17	43	36646	43.906	ug/L		72
14) Carbon disulfide	4.39	76	290179	20.458	ug/L		99
15) Methyl Acetate	4.68	43	46070	28.479	ug/L		92
16) Methylene chloride	4.91	84	136042	24.683	ug/L		91
17) Methyl tert-butyl Ether	5.43	73	162675	27.023	ug/L	#	91
18) trans-1,2-Dichloroethene	5.42	96	125775	24.549	ug/L		98
19) 1,1-Dichloroethane	6.21	63	230066	26.283	ug/L		98
21) 2-Butanone	7.19	43	58594	52.191	ug/L		98
22) cis-1,2-Dichloroethene	7.17	96	139494	25.910	ug/L		96

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.52	128	60257	26.421	ug/L		95
25) Chloroform	7.68	83	251092	27.261	ug/L		100
27) 1,2-Dichloroethane	8.40	62	163931	27.515	ug/L		97
30) Cyclohexane	7.95	56	193725	23.348	ug/L		100
31) 1,1,1-Trichloroethane	7.87	97	198002	24.694	ug/L		96
32) Carbon tetrachloride	8.07	117	189294	25.022	ug/L		100
34) Benzene	8.32	78	518685	26.024	ug/L		100
35) Trichloroethene	9.09	95	141861	25.714	ug/L		95
36) Methylcyclohexane	9.34	83	228682	23.712	ug/L		98
40) 1,2-Dichloropropane	9.37	63	128494	27.309	ug/L		98
41) Bromodichloromethane	9.65	83	177621	27.578	ug/L		99
42) cis-1,3-Dichloropropene	10.07	75	200960	26.765	ug/L		97
43) 4-Methyl-2-pentanone	10.21	43	140526	61.475	ug/L		98
44) Toluene	10.39	91	575167	25.307	ug/L		99
45) trans-1,3-Dichloropropene	10.60	75	169607	26.527	ug/L		99
46) 1,1,2-Trichloroethane	10.79	97	97469	27.869	ug/L		96
47) Tetrachloroethene	10.86	164	104950	24.332	ug/L		93
49) 2-Hexanone	10.97	43	93714	57.783	ug/L		91
50) Dibromochloromethane	11.13	129	116778	28.125	ug/L		96
51) 1,2-Dibromoethane	11.24	107	92216	27.851	ug/L	#	98
52) Chlorobenzene	11.66	112	374184	26.374	ug/L		96
53) Ethylbenzene	11.73	91	657956	25.515	ug/L		95
54) m,p-Xylene	11.84	106	249079	24.692	ug/L		96
55) o-xylene	12.16	106	242483	25.560	ug/L		95
56) Styrene	12.18	104	410460	26.011	ug/L		99
57) Isopropylbenzene	12.46	105	660061	25.131	ug/L		99
58) 1,1,2,2-Tetrachloroethane	12.71	83	111419	28.543	ug/L		98
59) 1,2,3-Trichloropropane	12.77	75	81712	28.476	ug/L		99
62) Bromoform	12.35	173	59844	27.239	ug/L		99
63) 1,3-Dichlorobenzene	13.50	146	290352	26.200	ug/L		94
64) 1,4-Dichlorobenzene	13.58	146	286660	25.740	ug/L		95
65) 1,2-Dichlorobenzene	13.87	146	258240	26.519	ug/L		96
66) 1,2-Dibromo-3-chloropropan	14.48	75	17290	26.958	ug/L		81
67) 1,3,5-Trichlorobenzene	14.63	180	201867	26.570	ug/L		97
68) 1,2,4-trichlorobenzene	15.13	180	169640	27.127	ug/L		94
69) Naphthalene	15.36	128	332515	27.922	ug/L		99
70) 1,2,3-Trichlorobenzene	15.55	180	144465	27.357	ug/L		98

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

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