Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121920\
Data File : VY003828.D
Acq On : 19 Dec 2020 12:59
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD02569

Quant Time: Dec 21 02:35:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 21 02:32:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	252912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	236755	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	125505	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	83652	24.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.96%			
7) Chloroethane-d5	2.77	69	64312	24.99	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.96%			
10) 1,1-Dichloroethene-d2	3.86	63	156050	21.52	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.08%			
20) 2-Butanone-d5	6.90	46	52053	34.61	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 69.22%			
24) Chloroform-d	7.49	84	156409	23.81	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.24%			
26) 1,2-Dichloroethane-d4	8.15	65	80384	21.64	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.56%			
29) Benzene-d6	8.12	84	332508	24.26	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.04%			
33) 1,2-Dichloropropane-d6	9.12	67	93925	22.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.04%			
37) Toluene-d8	10.18	98	304571	24.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.24%			
38) trans-1,3-Dichloropropene-	10.44	79	45359	21.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.24%			
39) 2-Hexanone-d5	10.79	63	45073	38.30	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.60%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	80995	21.71	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 86.84%			
61) 1,2-Dichlorobenzene-d4	13.72	152	113010	25.07	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	100348	23.249	ug/L	100
3) Chloromethane	2.12	50	97308	24.679	ug/L	98
5) Vinyl chloride	2.26	62	102458	25.866	ug/L	98
6) Bromomethane	2.66	94	61243	25.289	ug/L	100
8) Chloroethane	2.80	64	58611	25.323	ug/L	97
9) Trichlorofluoromethane	3.14	101	140350	23.192	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	84868	23.079	ug/L	96
12) 1,1-Dichloroethene	3.89	96	86093	24.629	ug/L #	75
13) Acetone	3.96	43	33127	31.944	ug/L	95
14) Carbon disulfide	4.20	76	294810	23.969	ug/L	98
15) Methyl Acetate	4.49	43	42685	15.803	ug/L	93
16) Methylene chloride	4.73	84	94659	20.848	ug/L	93
17) Methyl tert-butyl Ether	5.23	73	209606	21.372	ug/L	98
18) trans-1,2-Dichloroethene	5.23	96	93161	24.602	ug/L	92
19) 1,1-Dichloroethane	6.03	63	146731	22.406	ug/L	98
21) 2-Butanone	7.00	43	55754	30.930	ug/L	91
22) cis-1,2-Dichloroethene	7.00	96	97081	24.177	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.35	128	45751	23.702	ug/L		88
25) Chloroform	7.51	83	150818	23.419	ug/L		100
27) 1,2-Dichloroethane	8.25	62	96532	21.628	ug/L		98
30) Cyclohexane	7.79	56	141313	21.745	ug/L		91
31) 1,1,1-Trichloroethane	7.72	97	136742	23.619	ug/L		99
32) Carbon tetrachloride	7.90	117	126175	24.681	ug/L		99
34) Benzene	8.17	78	367792	24.416	ug/L		100
35) Trichloroethene	8.94	95	95154	23.534	ug/L		96
36) Methylcyclohexane	9.18	83	161112	23.523	ug/L		96
40) 1,2-Dichloropropane	9.22	63	87282	22.355	ug/L		99
41) Bromodichloromethane	9.50	83	111318	22.773	ug/L		99
42) cis-1,3-Dichloropropene	9.93	75	141265	22.770	ug/L		99
43) 4-Methyl-2-pentanone	10.07	43	124697	32.938	ug/L	#	94
44) Toluene	10.25	91	399774	24.985	ug/L		99
45) trans-1,3-Dichloropropene	10.46	75	126130	22.218	ug/L		98
46) 1,1,2-Trichloroethane	10.65	97	71219	22.524	ug/L		95
47) Tetrachloroethene	10.72	164	80546	25.053	ug/L		97
49) 2-Hexanone	10.83	43	89899	34.603	ug/L		94
50) Dibromochloromethane	10.98	129	86454	23.340	ug/L		99
51) 1,2-Dibromoethane	11.09	107	68069	21.729	ug/L		95
52) Chlorobenzene	11.51	112	254732	24.874	ug/L		95
53) Ethylbenzene	11.59	91	429758	24.582	ug/L		99
54) m,p-Xylene	11.70	106	171725	25.465	ug/L		95
55) o-xylene	12.03	106	160223	25.320	ug/L		98
56) Styrene	12.04	104	275662	25.516	ug/L		94
57) Isopropylbenzene	12.33	105	424336	25.112	ug/L		100
58) 1,1,2,2-Tetrachloroethane	12.58	83	77085	20.867	ug/L		100
59) 1,2,3-Trichloropropane	12.64	75	61135	19.617	ug/L		98
62) Bromoform	12.21	173	55383	21.432	ug/L		98
63) 1,3-Dichlorobenzene	13.37	146	204696	25.225	ug/L		98
64) 1,4-Dichlorobenzene	13.45	146	202080	24.501	ug/L		99
65) 1,2-Dichlorobenzene	13.74	146	182044	24.310	ug/L		98
66) 1,2-Dibromo-3-chloropropan	14.35	75	12924	17.554	ug/L		87
67) 1,3,5-Trichlorobenzene	14.50	180	139068	24.615	ug/L		99
68) 1,2,4-trichlorobenzene	15.01	180	115863	24.044	ug/L		100
69) Naphthalene	15.23	128	236648	21.523	ug/L		99
70) 1,2,3-Trichlorobenzene	15.42	180	100829	23.006	ug/L		98

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

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