Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121920\
Data File : VY003824.D
Acq On : 19 Dec 2020 10:40
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD02568

Quant Time: Dec 21 01:40:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 21 00:29:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	257250	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	240813	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	123360	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	86223	24.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.24%			
7) Chloroethane-d5	2.77	69	65405	24.99	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.96%			
10) 1,1-Dichloroethene-d2	3.87	63	164977	22.37	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 89.48%			
20) 2-Butanone-d5	6.90	46	59142	38.66	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 77.32%			
24) Chloroform-d	7.49	84	161068	24.11	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.44%			
26) 1,2-Dichloroethane-d4	8.15	65	86754	22.96	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.84%			
29) Benzene-d6	8.12	84	342700	24.59	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 98.36%			
33) 1,2-Dichloropropane-d6	9.13	67	99721	22.98	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.92%			
37) Toluene-d8	10.18	98	315884	25.04	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.16%			
38) trans-1,3-Dichloropropene-	10.44	79	49077	23.20	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.80%			
39) 2-Hexanone-d5	10.79	63	51098	42.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.38%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	90096	23.74	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 94.96%			
61) 1,2-Dichlorobenzene-d4	13.72	152	115012	25.96	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	115578	26.326	ug/L	98
3) Chloromethane	2.12	50	106368	26.522	ug/L	100
5) Vinyl chloride	2.26	62	113105	28.073	ug/L	98
6) Bromomethane	2.67	94	67116	27.247	ug/L	99
8) Chloroethane	2.81	64	64407	27.358	ug/L	97
9) Trichlorofluoromethane	3.14	101	155226	25.217	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	95658	25.575	ug/L	96
12) 1,1-Dichloroethene	3.89	96	92647	26.057	ug/L #	78
13) Acetone	3.97	43	38114	36.133	ug/L	96
14) Carbon disulfide	4.21	76	322429	25.772	ug/L	99
15) Methyl Acetate	4.50	43	52339	19.050	ug/L	94
16) Methylene chloride	4.73	84	103641	22.442	ug/L	91
17) Methyl tert-butyl Ether	5.24	73	241002	24.159	ug/L	98
18) trans-1,2-Dichloroethene	5.23	96	100411	26.070	ug/L	92
19) 1,1-Dichloroethane	6.03	63	159311	23.916	ug/L	99
21) 2-Butanone	7.00	43	66838	36.454	ug/L	93
22) cis-1,2-Dichloroethene	7.00	96	108841	26.649	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	7.34	128	51743	26.355	ug/L		90
25) Chloroform	7.51	83	167303	25.540	ug/L		99
27) 1,2-Dichloroethane	8.25	62	109795	24.185	ug/L		98
30) Cyclohexane	7.79	56	160734	24.316	ug/L		92
31) 1,1,1-Trichloroethane	7.71	97	153624	26.088	ug/L		99
32) Carbon tetrachloride	7.91	117	140530	27.026	ug/L		97
34) Benzene	8.17	78	404518	26.401	ug/L		100
35) Trichloroethene	8.94	95	105405	25.630	ug/L		97
36) Methylcyclohexane	9.19	83	181328	26.029	ug/L		96
40) 1,2-Dichloropropane	9.22	63	95289	23.995	ug/L		99
41) Bromodichloromethane	9.50	83	125335	25.209	ug/L		99
42) cis-1,3-Dichloropropene	9.93	75	157001	24.880	ug/L		98
43) 4-Methyl-2-pentanone	10.07	43	148952	38.682	ug/L	#	95
44) Toluene	10.25	91	436898	26.845	ug/L		99
45) trans-1,3-Dichloropropene	10.47	75	144999	25.111	ug/L		100
46) 1,1,2-Trichloroethane	10.65	97	81127	25.225	ug/L		96
47) Tetrachloroethene	10.72	164	89154	27.263	ug/L		97
49) 2-Hexanone	10.83	43	105138	39.787	ug/L		95
50) Dibromochloromethane	10.98	129	98302	26.091	ug/L		98
51) 1,2-Dibromoethane	11.09	107	78669	24.690	ug/L		98
52) Chlorobenzene	11.52	112	279115	26.795	ug/L		94
53) Ethylbenzene	11.59	91	473455	26.625	ug/L		99
54) m,p-Xylene	11.70	106	183844	26.803	ug/L		99
55) o-xylene	12.03	106	176087	27.358	ug/L		95
56) Styrene	12.04	104	301765	27.462	ug/L		96
57) Isopropylbenzene	12.33	105	466311	27.131	ug/L		99
58) 1,1,2,2-Tetrachloroethane	12.58	83	89493	23.818	ug/L		93
59) 1,2,3-Trichloropropane	12.64	75	72009	22.717	ug/L		99
62) Bromoform	12.21	173	63668	25.067	ug/L		99
63) 1,3-Dichlorobenzene	13.37	146	218427	27.385	ug/L		98
64) 1,4-Dichlorobenzene	13.45	146	215391	26.569	ug/L		99
65) 1,2-Dichlorobenzene	13.74	146	194712	26.454	ug/L		99
66) 1,2-Dibromo-3-chloropropan	14.35	75	15410	21.294	ug/L		84
67) 1,3,5-Trichlorobenzene	14.50	180	151547	27.290	ug/L		99
68) 1,2,4-trichlorobenzene	15.01	180	126676	26.745	ug/L		99
69) Naphthalene	15.23	128	268137	24.811	ug/L		99
70) 1,2,3-Trichlorobenzene	15.42	180	111313	25.840	ug/L		98

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

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