

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003710.D
 Acq On : 09 Dec 2020 18:50
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

Quant Time: Dec 10 02:31:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	213748	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	208151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	68820	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.77	69	55595	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.52%
10) 1,1-Dichloroethene-d2	3.87	63	133323	23.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.76%
20) 2-Butanone-d5	6.90	46	47759	44.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.64%
24) Chloroform-d	7.49	84	140555	25.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	8.15	65	79013	25.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.12%
29) Benzene-d6	8.12	84	299727	24.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.48%
33) 1,2-Dichloropropane-d6	9.12	67	88592	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	10.18	98	277281	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.68%
38) trans-1,3-Dichloropropene-	10.44	79	43266	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
39) 2-Hexanone-d5	10.79	63	41737	46.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.44%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89286	28.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	109975	26.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	61695	25.683	ug/L 100
3) Chloromethane	2.12	50	64788	24.852	ug/L 97
5) Vinyl chloride	2.26	62	70869	25.709	ug/L 99
6) Bromomethane	2.66	94	44536	24.987	ug/L 98
8) Chloroethane	2.80	64	45239	26.954	ug/L 99
9) Trichlorofluoromethane	3.14	101	111447	26.406	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	71308	26.283	ug/L 99
12) 1,1-Dichloroethene	3.89	96	68021	26.591	ug/L 88
13) Acetone	3.96	43	36273	45.919	ug/L 100
14) Carbon disulfide	4.21	76	216233	25.362	ug/L 99
15) Methyl Acetate	4.50	43	47810	24.054	ug/L 97
16) Methylene chloride	4.73	84	82792	22.059	ug/L 99
17) Methyl tert-butyl Ether	5.24	73	192768	26.585	ug/L 98
18) trans-1,2-Dichloroethene	5.23	96	75913	26.357	ug/L 95
19) 1,1-Dichloroethane	6.03	63	123233	25.486	ug/L 98
21) 2-Butanone	7.00	43	63814	45.750	ug/L 94
22) cis-1,2-Dichloroethene	7.00	96	82408	26.848	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	41948	27.376	ug/L	87
25) Chloroform	7.52	83	132609	27.092	ug/L	99
27) 1,2-Dichloroethane	8.25	62	89825	27.130	ug/L	96
30) Cyclohexane	7.79	56	111211	24.799	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	116576	26.274	ug/L	99
32) Carbon tetrachloride	7.91	117	105076	26.678	ug/L	99
34) Benzene	8.17	78	311731	26.180	ug/L	100
35) Trichloroethene	8.94	95	81090	24.805	ug/L	99
36) Methylcyclohexane	9.18	83	131347	26.217	ug/L	99
40) 1,2-Dichloropropane	9.22	63	75980	25.442	ug/L	100
41) Bromodichloromethane	9.50	83	101584	26.772	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	125354	26.667	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	135725	48.384	ug/L	97
44) Toluene	10.25	91	341486	27.187	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	119249	27.523	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	69234	26.889	ug/L	97
47) Tetrachloroethene	10.72	164	68169	26.776	ug/L	96
49) 2-Hexanone	10.83	43	100389	50.922	ug/L	98
50) Dibromochloromethane	10.98	129	82864	27.500	ug/L	97
51) 1,2-Dibromoethane	11.09	107	66521	26.700	ug/L	99
52) Chlorobenzene	11.51	112	223910	27.088	ug/L	99
53) Ethylbenzene	11.59	91	373069	27.215	ug/L	98
54) m,p-Xylene	11.70	106	147594	27.910	ug/L	99
55) o-xylene	12.03	106	140500	27.693	ug/L	98
56) Styrene	12.04	104	245622	28.287	ug/L	98
57) Isopropylbenzene	12.33	105	369368	27.847	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	82198	29.777	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	68071	27.581	ug/L	98
62) Bromoform	12.21	173	57693	26.513	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	182819	26.669	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	184272	26.442	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	172406	27.413	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	14670	25.040	ug/L	98
67) 1,3,5-Trichlorobenzene	14.50	180	129825	26.788	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	109782	26.553	ug/L	100
69) Naphthalene	15.23	128	236576	27.282	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	102495	27.139	ug/L	99

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

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