

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003866.D
 Acq On : 30 Dec 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	324348	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311745	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	179609	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	96321	17.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.24%
7) Chloroethane-d5	2.77	69	84785	19.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.12%
11) 1,1-Dichloroethene-d2	3.86	63	192772	20.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.44%
21) 2-Butanone-d5	6.89	46	87957	42.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.30%
24) Chloroform-d	7.48	84	195831	21.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	8.14	65	120759	21.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.64%
32) Benzene-d6	8.11	84	348131	20.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.36%
36) 1,2-Dichloropropane-d6	9.12	67	110129	21.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.16%
41) Toluene-d8	10.18	98	319842	19.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.96%
43) trans-1,3-Dichloropropene-	10.43	79	57605	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.88%
47) 2-Hexanone-d5	10.79	63	65944	41.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.20%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	110394	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.84%
66) 1,2-Dichlorobenzene-d4	13.72	152	139999	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	132360	24.359	ug/L 97
3) Chloromethane	2.12	50	152972	25.139	ug/L 99
5) Vinyl chloride	2.25	62	174679	27.056	ug/L 97
6) Bromomethane	2.66	94	105734	26.787	ug/L 97
8) Chloroethane	2.80	64	107804	27.668	ug/L 98
9) Trichlorofluoromethane	3.13	101	231707	26.864	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	125987	27.818	ug/L 98
12) 1,1-Dichloroethene	3.88	96	116737	27.457	ug/L 93
13) Acetone	3.95	43	74335	47.754	ug/L 97
14) Carbon disulfide	4.20	76	374326	26.159	ug/L 99
15) Methyl Acetate	4.48	43	87379	24.397	ug/L 97
16) Methylene chloride	4.73	84	137212	26.377	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	128913	27.711	ug/L 97
18) Methyl tert-butyl Ether	5.22	73	358434	26.085	ug/L 99
19) 1,1-Dichloroethane	6.02	63	237377	28.241	ug/L 98
20) cis-1,2-Dichloroethene	6.99	96	137353	27.307	ug/L 93
22) 2-Butanone	6.99	43	114612	47.505	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	67462	27.123	ug/L	97
25) Chloroform	7.51	83	246144	27.934	ug/L	100
27) 1,2-Dichloroethane	8.23	62	186482	27.232	ug/L	98
29) Cyclohexane	7.79	56	228004	27.908	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	232645	27.725	ug/L	99
31) Carbon tetrachloride	7.90	117	213796	27.552	ug/L	100
33) Benzene	8.16	78	528771	27.748	ug/L	100
34) Trichloroethene	8.94	95	143263	27.203	ug/L	98
35) Methylcyclohexane	9.18	83	237798	27.746	ug/L	98
37) 1,2-Dichloropropane	9.22	63	135862	28.004	ug/L	99
38) Bromodichloromethane	9.50	83	189297	27.694	ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	226523	27.332	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	256477	49.520	ug/L	99
42) Toluene	10.24	91	591391	28.055	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	212431	26.551	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	109606	26.304	ug/L	98
46) Tetrachloroethene	10.72	164	123502	27.111	ug/L	98
48) 2-Hexanone	10.83	43	178628	47.335	ug/L	100
49) Dibromochloromethane	10.98	129	140389	26.612	ug/L	99
50) 1,2-Dibromoethane	11.09	107	106034	25.770	ug/L	100
51) Chlorobenzene	11.51	112	378236	27.745	ug/L	99
52) Ethylbenzene	11.59	91	665733	28.194	ug/L	100
53) m,p-Xylene	11.70	106	253555	28.315	ug/L	96
54) o-Xylene	12.03	106	243318	27.906	ug/L	97
55) Styrene	12.04	104	429197	28.464	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	127995	25.956	ug/L	97
59) Bromoform	12.20	173	96053	24.779	ug/L	99
60) Isopropylbenzene	12.32	105	669466	28.194	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	110282	25.002	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	561381	28.464	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	570115	28.533	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	315857	27.460	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	318199	27.319	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	293861	27.282	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	27128	24.742	ug/L	99
69) 1,3,5-Trichlorobenzene	14.50	180	244070	27.219	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	204038	26.837	ug/L	99
71) Naphthalene	15.23	128	397201	25.025	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	178549	26.587	ug/L	98

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

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