

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003860.D
 Acq On : 30 Dec 2020 11:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:12:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 15:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	334239	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314828	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	179478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	116277	20.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.28%
7) Chloroethane-d5	2.77	69	98928	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
11) 1,1-Dichloroethene-d2	3.86	63	216631	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.80%
21) 2-Butanone-d5	6.89	46	106308	49.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.88%
24) Chloroform-d	7.48	84	223691	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.14	65	141321	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
32) Benzene-d6	8.11	84	405718	23.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.72%
36) 1,2-Dichloropropane-d6	9.12	67	128917	24.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.88%
41) Toluene-d8	10.18	98	376084	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	10.43	79	68058	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.48%
47) 2-Hexanone-d5	10.79	63	79401	49.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.18%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	133856	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.48%
66) 1,2-Dichlorobenzene-d4	13.72	152	161042	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	136904	24.450	ug/L 100
3) Chloromethane	2.12	50	159582	25.449	ug/L 97
5) Vinyl chloride	2.25	62	179935	27.045	ug/L 98
6) Bromomethane	2.66	94	110583	27.186	ug/L 98
8) Chloroethane	2.80	64	110491	27.518	ug/L 99
9) Trichlorofluoromethane	3.13	101	237443	26.714	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	128138	27.456	ug/L 99
12) 1,1-Dichloroethene	3.88	96	119229	27.213	ug/L 96
13) Acetone	3.95	43	76709	47.821	ug/L 98
14) Carbon disulfide	4.20	76	388310	26.333	ug/L 100
15) Methyl Acetate	4.48	43	91831	24.882	ug/L 99
16) Methylene chloride	4.72	84	135516	25.280	ug/L 94
17) trans-1,2-Dichloroethene	5.22	96	131538	27.439	ug/L 96
18) Methyl tert-butyl Ether	5.23	73	370439	26.160	ug/L 100
19) 1,1-Dichloroethane	6.02	63	241305	27.859	ug/L 98
20) cis-1,2-Dichloroethene	6.99	96	139893	26.989	ug/L 98
22) 2-Butanone	6.99	43	120194	48.345	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	68941	26.897	ug/L	98
25) Chloroform	7.51	83	249337	27.459	ug/L	97
27) 1,2-Dichloroethane	8.24	62	193217	27.381	ug/L	100
29) Cyclohexane	7.78	56	233352	28.283	ug/L	100
30) 1,1,1-Trichloroethane	7.70	97	236233	27.877	ug/L	97
31) Carbon tetrachloride	7.90	117	215832	27.542	ug/L	99
33) Benzene	8.16	78	546487	28.397	ug/L	100
34) Trichloroethene	8.94	95	144250	27.122	ug/L	98
35) Methylcyclohexane	9.18	83	249583	28.836	ug/L	98
37) 1,2-Dichloropropane	9.22	63	138364	28.241	ug/L	99
38) Bromodichloromethane	9.50	83	190567	27.607	ug/L	100
39) cis-1,3-Dichloropropene	9.93	75	231087	27.610	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	273041	52.202	ug/L	99
42) Toluene	10.24	91	600445	28.205	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	220400	27.278	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	113018	26.858	ug/L	97
46) Tetrachloroethene	10.72	164	126533	27.504	ug/L	98
48) 2-Hexanone	10.83	43	191969	50.372	ug/L	99
49) Dibromochloromethane	10.98	129	145897	27.385	ug/L	97
50) 1,2-Dibromoethane	11.09	107	108637	26.144	ug/L	96
51) Chlorobenzene	11.51	112	381975	27.745	ug/L	97
52) Ethylbenzene	11.59	91	675422	28.324	ug/L	99
53) m,p-Xylene	11.70	106	261376	28.903	ug/L	93
54) o-Xylene	12.03	106	248132	28.179	ug/L	97
55) Styrene	12.04	104	433369	28.460	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	133800	26.868	ug/L	98
59) Bromoform	12.21	173	100712	26.000	ug/L	99
60) Isopropylbenzene	12.32	105	686579	28.935	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	113872	25.834	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	571890	29.018	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	575363	28.817	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	325475	28.317	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	326944	28.090	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	298120	27.698	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	29160	26.615	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	255301	28.492	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	210075	27.651	ug/L	99
71) Naphthalene	15.23	128	424550	26.768	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	185575	27.653	ug/L	98

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

