

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003864.D
 Acq On : 30 Dec 2020 13:45
 Operator : SY/MD
 Sample : L4485-04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:41:38 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	327840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	309284	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	100449	18.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.44%
7) Chloroethane-d5	2.77	69	88224	20.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	3.86	63	140004	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
21) 2-Butanone-d5	6.89	46	105574	50.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.10%
24) Chloroform-d	7.48	84	196476	21.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	8.14	65	129426	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.76%
32) Benzene-d6	8.11	84	366993	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
36) 1,2-Dichloropropane-d6	9.12	67	116299	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	10.18	98	333781	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.43	79	61728	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.28%
47) 2-Hexanone-d5	10.79	63	76949	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	119388	23.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	141457	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	8076	1.470 ug/L	89
3) Chloromethane	2.12	50	8551	1.390 ug/L	97
5) Vinyl chloride	2.25	62	10036	1.538 ug/L	83
6) Bromomethane	2.66	94	5814	1.457 ug/L	92
8) Chloroethane	2.80	64	5824	1.479 ug/L	98
9) Trichlorofluoromethane	3.13	101	12681	1.455 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	6648	1.452 ug/L #	74
12) 1,1-Dichloroethene	3.87	96	6627	1.542 ug/L #	1
13) Acetone	3.95	43	5422	3.446 ug/L	71
14) Carbon disulfide	4.19	76	18015	1.246 ug/L	99
15) Methyl Acetate	4.48	43	5237m	1.447 ug/L	
16) Methylene chloride	4.72	84	16215	3.084 ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	6374	1.356 ug/L	80
18) Methyl tert-butyl Ether	5.22	73	17225	1.240 ug/L #	84
19) 1,1-Dichloroethane	6.02	63	11647	1.371 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	7453	1.466 ug/L	94
22) 2-Butanone	6.99	43	8923	3.659 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.33	128	3462	1.377	ug/L	80
25) Chloroform	7.51	83	14260	1.601	ug/L	82
27) 1,2-Dichloroethane	8.23	62	9612	1.389	ug/L	96
29) Cyclohexane	7.78	56	9934	1.226	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	11666	1.401	ug/L	95
31) Carbon tetrachloride	7.90	117	10427	1.354	ug/L	99
33) Benzene	8.16	78	27576	1.459	ug/L	100
34) Trichloroethene	8.93	95	7233	1.384	ug/L	93
35) Methylcyclohexane	9.18	83	11634	1.368	ug/L	99
37) 1,2-Dichloropropane	9.21	63	6937	1.441	ug/L	98
38) Bromodichloromethane	9.49	83	9047	1.334	ug/L	87
39) cis-1,3-Dichloropropene	9.92	75	10397	1.264	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	14194	2.762	ug/L	98
42) Toluene	10.24	91	28078	1.343	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	13604	1.714	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	5490	1.328	ug/L	92
46) Tetrachloroethene	10.72	164	6257	1.384	ug/L	93
48) 2-Hexanone	10.83	43	10389	2.775	ug/L	96
49) Dibromochloromethane	10.98	129	7035	1.344	ug/L	92
50) 1,2-Dibromoethane	11.09	107	5633	1.380	ug/L	91
51) Chlorobenzene	11.51	112	18757	1.387	ug/L	95
52) Ethylbenzene	11.59	91	31918	1.362	ug/L	100
53) m,p-Xylene	11.70	106	11828	1.331	ug/L	96
54) o-Xylene	12.03	106	11471	1.326	ug/L	96
55) Styrene	12.04	104	18932	1.266	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.57	83	7740	1.582	ug/L #	97
59) Bromoform	12.20	173	4817	1.306	ug/L #	91
60) Isopropylbenzene	12.32	105	30185	1.336	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	6206	1.478	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	24703	1.316	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	23661	1.244	ug/L	97
64) 1,3-Dichlorobenzene	13.36	146	15857	1.449	ug/L	94
65) 1,4-Dichlorobenzene	13.44	146	16290	1.470	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	14476	1.412	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1542	1.478	ug/L	93
69) 1,3,5-Trichlorobenzene	14.49	180	11899	1.394	ug/L	93
70) 1,2,4-trichlorobenzene	15.00	180	10949	1.513	ug/L	91
71) Naphthalene	15.23	128	19793	1.310	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	9023	1.412	ug/L	95

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

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