

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003865.D
 Acq On : 30 Dec 2020 14:08
 Operator : SY/MD
 Sample : L4485-05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:44:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:40:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	326394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	306511	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170184	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	93054	16.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.40%
7) Chloroethane-d5	2.77	69	83578	19.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.52%
11) 1,1-Dichloroethene-d2	3.86	63	127630	13.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.56%
21) 2-Butanone-d5	6.89	46	100216	47.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.44%
24) Chloroform-d	7.48	84	180519	20.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.08%
26) 1,2-Dichloroethane-d4	8.14	65	120780	21.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.12%
32) Benzene-d6	8.11	84	336523	19.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.00%
36) 1,2-Dichloropropane-d6	9.12	67	108770	21.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.56%
41) Toluene-d8	10.18	98	306279	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.92%
43) trans-1,3-Dichloropropene-	10.43	79	57797	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.52%
47) 2-Hexanone-d5	10.79	63	71782	46.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.10%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	113372	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	130876	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7352	1.345 ug/L	96
3) Chloromethane	2.12	50	8270	1.351 ug/L	97
5) Vinyl chloride	2.25	62	7553	1.163 ug/L	85
6) Bromomethane	2.66	94	4754	1.197 ug/L	89
8) Chloroethane	2.80	64	4569	1.165 ug/L	96
9) Trichlorofluoromethane	3.13	101	10229	1.179 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4819	1.057 ug/L #	66
12) 1,1-Dichloroethene	3.88	96	5303	1.239 ug/L #	1
13) Acetone	3.95	43	4887	3.120 ug/L	61
14) Carbon disulfide	4.19	76	13917	0.966 ug/L	98
15) Methyl Acetate	4.48	43	4061	1.127 ug/L #	71
16) Methylene chloride	4.73	84	15619	2.984 ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	5162m	1.103 ug/L	
18) Methyl tert-butyl Ether	5.23	73	14227	1.029 ug/L #	78
19) 1,1-Dichloroethane	6.03	63	9355	1.106 ug/L #	93
20) cis-1,2-Dichloroethene	6.98	96	5660	1.118 ug/L	92
22) 2-Butanone	7.00	43	7668m	3.158 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	2808	1.122	ug/L	92
25) Chloroform	7.51	83	11805	1.331	ug/L	98
27) 1,2-Dichloroethane	8.24	62	7853	1.140	ug/L #	92
29) Cyclohexane	7.79	56	8475	1.055	ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	9202	1.115	ug/L #	70
31) Carbon tetrachloride	7.90	117	7890	1.034	ug/L	94
33) Benzene	8.17	78	21616	1.154	ug/L	100
34) Trichloroethene	8.94	95	6086	1.175	ug/L	97
35) Methylcyclohexane	9.18	83	8563	1.016	ug/L	92
37) 1,2-Dichloropropane	9.22	63	5759	1.207	ug/L	98
38) Bromodichloromethane	9.50	83	7164	1.066	ug/L #	92
39) cis-1,3-Dichloropropene	9.92	75	8325	1.022	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	11758	2.309	ug/L	98
42) Toluene	10.24	91	22833	1.102	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	11927	1.516	ug/L	96
45) 1,1,2-Trichloroethane	10.65	97	4610	1.125	ug/L	91
46) Tetrachloroethene	10.72	164	4990	1.114	ug/L	83
48) 2-Hexanone	10.83	43	8615	2.322	ug/L	97
49) Dibromochloromethane	10.98	129	5435	1.048	ug/L	93
50) 1,2-Dibromoethane	11.09	107	4261	1.053	ug/L #	92
51) Chlorobenzene	11.51	112	15535	1.159	ug/L	96
52) Ethylbenzene	11.59	91	25128	1.082	ug/L	99
53) m,p-Xylene	11.70	106	9289	1.055	ug/L	79
54) o-Xylene	12.03	106	8837	1.031	ug/L	93
55) Styrene	12.04	104	15103	1.019	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	5991	1.236	ug/L #	94
59) Bromoform	12.20	173	4149	1.130	ug/L #	97
60) Isopropylbenzene	12.32	105	22649	1.007	ug/L #	95
61) 1,2,3-Trichloropropane	12.63	75	4851	1.161	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	19994	1.070	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	18416	0.973	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	12968	1.190	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	13298	1.205	ug/L	97
67) 1,2-Dichlorobenzene	13.73	146	11600	1.137	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.35	75	1354	1.303	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.50	180	10360	1.219	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	8512	1.182	ug/L	98
71) Naphthalene	15.23	128	16380	1.089	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	7334	1.153	ug/L	98

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

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