

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
 Data File : VY003872.D
 Acq On : 04 Jan 2021 15:34
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Jan 05 04:29:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:24:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	304462	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	290552	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	160985	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	142836	27.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.92%
7) Chloroethane-d5	2.77	69	114430	28.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.32%
11) 1,1-Dichloroethene-d2	3.86	63	193972	21.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.28%
21) 2-Butanone-d5	6.89	46	108473	55.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.76%
24) Chloroform-d	7.48	84	229302	27.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.08%
26) 1,2-Dichloroethane-d4	8.15	65	151479	28.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.12%
32) Benzene-d6	8.11	84	464941	28.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.12%
36) 1,2-Dichloropropane-d6	9.12	67	137332	28.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.28%
41) Toluene-d8	10.18	98	440791	28.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.28%
43) trans-1,3-Dichloropropene-	10.43	79	76207	28.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.40%
47) 2-Hexanone-d5	10.79	63	84669	57.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.60%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	132157	28.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.84%
66) 1,2-Dichlorobenzene-d4	13.72	152	175002	29.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	5628	1.103 ug/L	91
3) Chloromethane	2.12	50	7256	1.270 ug/L	93
5) Vinyl chloride	2.25	62	6727	1.110 ug/L #	37
6) Bromomethane	2.66	94	3931	1.061 ug/L	87
8) Chloroethane	2.80	64	3886	1.062 ug/L	85
9) Trichlorofluoromethane	3.13	101	8926	1.102 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4981m	1.172 ug/L	
12) 1,1-Dichloroethene	3.88	96	6033m	1.512 ug/L	
13) Acetone	3.96	43	4260m	2.915 ug/L	
14) Carbon disulfide	4.20	76	11871	0.884 ug/L #	91
15) Methyl Acetate	4.49	43	3483m	1.036 ug/L	
16) Methylene chloride	4.73	84	12289	2.517 ug/L	93
17) trans-1,2-Dichloroethene	5.23	96	4152	0.951 ug/L	81
18) Methyl tert-butyl Ether	5.22	73	12317	0.955 ug/L #	74
19) 1,1-Dichloroethane	6.04	63	7997m	1.014 ug/L	
20) cis-1,2-Dichloroethene	7.00	96	4806m	1.018 ug/L	
22) 2-Butanone	7.00	43	5856	2.586 ug/L #	69

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

23) Bromochloromethane	7.34	128	2417m	1.035	ug/L	
25) Chloroform	7.51	83	10909m	1.319	ug/L	
27) 1,2-Dichloroethane	8.24	62	7028	1.093	ug/L #	91
29) Cyclohexane	7.79	56	6735	0.885	ug/L	96
30) 1,1,1-Trichloroethane	7.71	97	7439	0.951	ug/L	90
31) Carbon tetrachloride	7.90	117	7654	1.058	ug/L	98
33) Benzene	8.17	78	18597	1.047	ug/L	100
34) Trichloroethene	8.94	95	4704	0.958	ug/L	94
35) Methylcyclohexane	9.19	83	6873	0.860	ug/L	91
37) 1,2-Dichloropropane	9.21	63	4601	1.018	ug/L #	92
38) Bromodichloromethane	9.50	83	6670	1.047	ug/L #	93
39) cis-1,3-Dichloropropene	9.93	75	7342	0.950	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	9448	1.957	ug/L	97
42) Toluene	10.24	91	19948	1.015	ug/L	96
44) trans-1,3-Dichloropropene	10.46	75	10835	1.453	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	3805	0.980	ug/L	96
46) Tetrachloroethene	10.72	164	4323	1.018	ug/L	97
48) 2-Hexanone	10.83	43	6876	1.955	ug/L	96
49) Dibromochloromethane	10.98	129	4951	1.007	ug/L	96
50) 1,2-Dibromoethane	11.09	107	4084	1.065	ug/L #	98
51) Chlorobenzene	11.51	112	12567	0.989	ug/L	98
52) Ethylbenzene	11.59	91	21105	0.959	ug/L	94
53) m,p-Xylene	11.70	106	8078	0.968	ug/L	96
54) o-Xylene	12.03	106	7751	0.954	ug/L	96
55) Styrene	12.04	104	12723	0.905	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	5759	1.253	ug/L #	94
59) Bromoform	12.21	173	3451	0.993	ug/L #	88
60) Isopropylbenzene	12.33	105	19879	0.934	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	4567	1.155	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	16113	0.912	ug/L	94
63) 1,2,4-Trimethylbenzene	13.12	105	16901	0.944	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	10486	1.017	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	11349	1.087	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	9924	1.028	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.35	75	1316	1.339	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.50	180	8591	1.069	ug/L	100
70) 1,2,4-trichlorobenzene	15.01	180	6930	1.017	ug/L	99
71) Naphthalene	15.23	128	13816	0.971	ug/L	96
72) 1,2,3-Trichlorobenzene	15.42	180	6383	1.060	ug/L	99

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

