

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
 Data File : VY003871.D
 Acq On : 04 Jan 2021 15:11
 Operator : SY/MD
 Sample : L4485-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Jan 05 04:26:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	311492	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	293826	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	165963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	165673	31.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.76%
7) Chloroethane-d5	2.77	69	118326	28.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.52%
11) 1,1-Dichloroethene-d2	3.86	63	196698	21.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.52%
21) 2-Butanone-d5	6.90	46	108018	53.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.80%
24) Chloroform-d	7.48	84	235717	27.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	8.15	65	153513	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.04%
32) Benzene-d6	8.12	84	467891	28.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.56%
36) 1,2-Dichloropropane-d6	9.12	67	138649	28.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.08%
41) Toluene-d8	10.18	98	451322	29.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.72%
43) trans-1,3-Dichloropropene-	10.43	79	78803	28.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.96%
47) 2-Hexanone-d5	10.79	63	82712	55.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.72%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	133694	28.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.88%
66) 1,2-Dichlorobenzene-d4	13.72	152	178668	29.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	117.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7196	1.379 ug/L	99
3) Chloromethane	2.12	50	8763	1.500 ug/L	94
5) Vinyl chloride	2.25	62	8804m	1.420 ug/L	
6) Bromomethane	2.66	94	4503	1.188 ug/L	93
8) Chloroethane	2.80	64	4500	1.203 ug/L	95
9) Trichlorofluoromethane	3.13	101	9822	1.186 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4454	1.024 ug/L #	84
12) 1,1-Dichloroethene	3.87	96	6387m	1.564 ug/L	
13) Acetone	3.97	43	4192m	2.804 ug/L	
14) Carbon disulfide	4.20	76	13255	0.965 ug/L	98
15) Methyl Acetate	4.49	43	4075	1.185 ug/L #	86
16) Methylene chloride	4.73	84	12717	2.546 ug/L	93
17) trans-1,2-Dichloroethene	5.24	96	4587	1.027 ug/L	83
18) Methyl tert-butyl Ether	5.22	73	14148	1.072 ug/L #	75
19) 1,1-Dichloroethane	6.03	63	8846	1.096 ug/L #	95
20) cis-1,2-Dichloroethene	6.99	96	5717	1.183 ug/L	77
22) 2-Butanone	7.00	43	6256	2.700 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2797	1.171	ug/L	91
25) Chloroform	7.52	83	12940	1.529	ug/L	85
27) 1,2-Dichloroethane	8.24	62	8094	1.231	ug/L	98
29) Cyclohexane	7.78	56	8910	1.157	ug/L	87
30) 1,1,1-Trichloroethane	7.70	97	9729	1.230	ug/L	97
31) Carbon tetrachloride	7.90	117	8118	1.110	ug/L	91
33) Benzene	8.17	78	21602	1.203	ug/L	100
34) Trichloroethene	8.94	95	5423	1.093	ug/L	94
35) Methylcyclohexane	9.18	83	7943	0.983	ug/L	91
37) 1,2-Dichloropropane	9.22	63	5083	1.112	ug/L	98
38) Bromodichloromethane	9.50	83	7832	1.216	ug/L	86
39) cis-1,3-Dichloropropene	9.93	75	7680	0.983	ug/L	88
40) 4-Methyl-2-pentanone	10.07	43	10135	2.076	ug/L	92
42) Toluene	10.25	91	22601	1.138	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	8906	1.181	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4441	1.131	ug/L	89
46) Tetrachloroethene	10.72	164	5112	1.191	ug/L	87
48) 2-Hexanone	10.83	43	8965	2.521	ug/L	95
49) Dibromochloromethane	10.98	129	5742	1.155	ug/L	83
50) 1,2-Dibromoethane	11.09	107	4958	1.278	ug/L #	90
51) Chlorobenzene	11.51	112	15663	1.219	ug/L	94
52) Ethylbenzene	11.59	91	24475	1.100	ug/L	100
53) m,p-Xylene	11.70	106	9496	1.125	ug/L	83
54) o-Xylene	12.03	106	8871	1.079	ug/L	96
55) Styrene	12.04	104	15038	1.058	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	6008	1.293	ug/L	91
59) Bromoform	12.20	173	3978	1.111	ug/L	93
60) Isopropylbenzene	12.32	105	23386	1.066	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	4888	1.199	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	18384	1.009	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	19177	1.039	ug/L	93
64) 1,3-Dichlorobenzene	13.36	146	12366	1.163	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	13173	1.224	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	12837	1.290	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	1433	1.414	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.50	180	9801	1.183	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	7663	1.091	ug/L	94
71) Naphthalene	15.23	128	15761	1.075	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	7192	1.159	ug/L	94

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

