

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003674.D
 Acq On : 07 Dec 2020 17:09
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:33 PM

Quant Time: Dec 08 01:15:19 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 08 01:06:10 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	242679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233549	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	116395	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51840	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
7) Chloroethane-d5	2.77	69	46168	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	3.86	63	88464	16.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.60%
21) 2-Butanone-d5	6.90	46	64939	52.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.94%
24) Chloroform-d	7.49	84	127505	23.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	8.15	65	73420	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
32) Benzene-d6	8.12	84	272885	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
36) 1,2-Dichloropropane-d6	9.12	67	85087	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	10.18	98	246236	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.64%
43) trans-1,3-Dichloropropene-	10.44	79	39664	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.12%
47) 2-Hexanone-d5	10.79	63	52161	52.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.90%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	79797	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	96183	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3281	1.292 ug/L	95
3) Chloromethane	2.12	50	3601	1.236 ug/L	92
5) Vinyl chloride	2.26	62	3717	1.265 ug/L #	65
6) Bromomethane	2.66	94	2266	1.199 ug/L	86
8) Chloroethane	2.81	64	2255	1.228 ug/L	99
9) Trichlorofluoromethane	3.14	101	5393	1.171 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4761m	1.570 ug/L	
12) 1,1-Dichloroethene	3.88	96	4019	1.392 ug/L #	1
13) Acetone	3.97	43	2593m	3.085 ug/L	
14) Carbon disulfide	4.21	76	10533	1.127 ug/L	95
15) Methyl Acetate	4.50	43	2638m	1.239 ug/L	
16) Methylene chloride	4.73	84	10807	2.547 ug/L	97
17) trans-1,2-Dichloroethene	5.23	96	3913m	1.215 ug/L	
18) Methyl tert-butyl Ether	5.25	73	9656	1.187 ug/L #	81
19) 1,1-Dichloroethane	6.03	63	6513	1.217 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	4162	1.206 ug/L	94
22) 2-Butanone	7.01	43	4474	3.011 ug/L	96

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 Response via : Initial Calibration

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

23) Bromochloromethane	7.34	128	1860	1.083	ug/L #	79
25) Chloroform	7.51	83	7667m	1.404	ug/L	
27) 1,2-Dichloroethane	8.25	62	4654	1.269	ug/L #	87
29) Cyclohexane	7.80	56	5006	1.005	ug/L #	84
30) 1,1,1-Trichloroethane	7.70	97	5657	1.164	ug/L #	38
31) Carbon tetrachloride	7.90	117	5320	1.209	ug/L	96
33) Benzene	8.17	78	17719	1.342	ug/L	100
34) Trichloroethene	8.95	95	4526	1.273	ug/L	96
35) Methylcyclohexane	9.19	83	6013	1.074	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3812	1.155	ug/L #	93
38) Bromodichloromethane	9.50	83	4817	1.141	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	5840	1.122	ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	7304	2.445	ug/L	99
42) Toluene	10.25	91	16435	1.168	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	5396	1.113	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	3283	1.139	ug/L	89
46) Tetrachloroethene	10.72	164	3727	1.305	ug/L	97
48) 2-Hexanone	10.83	43	5249	2.520	ug/L #	95
49) Dibromochloromethane	10.99	129	3819	1.150	ug/L	92
50) 1,2-Dibromoethane	11.09	107	3252	1.170	ug/L #	97
51) Chlorobenzene	11.52	112	10727	1.154	ug/L	92
52) Ethylbenzene	11.59	91	16707	1.101	ug/L	96
53) m,p-Xylene	11.70	106	6637	1.118	ug/L	87
54) o-Xylene	12.03	106	6361	1.121	ug/L	97
55) Styrene	12.04	104	10084	1.041	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	4386	1.403	ug/L #	97
59) Bromoform	12.21	173	2660	1.226	ug/L #	89
60) Isopropylbenzene	12.33	105	15447	1.091	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	3409	1.313	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	12067	1.075	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	12088	1.084	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	8404	1.225	ug/L	93
65) 1,4-Dichlorobenzene	13.45	146	9075	1.306	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	8253	1.293	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.35	75	856m	1.501	ug/L	
69) 1,3,5-Trichlorobenzene	14.51	180	6341	1.304	ug/L	95
70) 1,2,4-trichlorobenzene	15.01	180	4912	1.188	ug/L	96
71) Naphthalene	15.23	128	9204	1.049	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.43	180	5082	1.341	ug/L	94

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

