

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003653.D
 Acq On : 03 Dec 2020 19:03
 Operator : SY/MD
 Sample : L4485-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:27:28 AM

Quant Time: Dec 04 00:43:39 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 04 00:25:15 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	222862	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	208946	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	107206	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	60294	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
7) Chloroethane-d5	2.77	69	50582	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
11) 1,1-Dichloroethene-d2	3.86	63	100745	17.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.52%
21) 2-Butanone-d5	6.90	46	71975	57.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.14%
24) Chloroform-d	7.48	84	137620	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.15	65	77221	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.92%
32) Benzene-d6	8.12	84	290493	24.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	9.12	67	90553	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	10.18	98	260333	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	10.44	79	42539	25.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.48%
47) 2-Hexanone-d5	10.79	63	55780	57.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.44%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	79068	21.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.48%
66) 1,2-Dichlorobenzene-d4	13.72	152	98343	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3903	1.509 ug/L	93
3) Chloromethane	2.12	50	5060	1.804 ug/L	94
5) Vinyl chloride	2.25	62	4607	1.531 ug/L #	68
6) Bromomethane	2.66	94	2880	1.528 ug/L	93
8) Chloroethane	2.80	64	2670	1.421 ug/L	92
9) Trichlorofluoromethane	3.14	101	7450	1.631 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	5006	1.642 ug/L #	51
12) 1,1-Dichloroethene	3.88	96	5148	1.777 ug/L #	1
13) Acetone	3.96	43	3707	4.138 ug/L	99
14) Carbon disulfide	4.22	76	13995m	1.462 ug/L	
15) Methyl Acetate	4.50	43	3990m	1.849 ug/L	
16) Methylene chloride	4.73	84	14374	3.821 ug/L	95
17) trans-1,2-Dichloroethene	5.23	96	4570	1.436 ug/L	98
18) Methyl tert-butyl Ether	5.23	73	11485	1.477 ug/L #	71
19) 1,1-Dichloroethane	6.03	63	7612	1.421 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	5403	1.619 ug/L	96
22) 2-Butanone	7.00	43	6691	4.442 ug/L #	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003653.D
 Acq On : 03 Dec 2020 19:03
 Operator : SY/MD
 Sample : L4485-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:27:28 AM

Quant Time: Dec 04 00:43:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 00:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2412	1.482	ug/L	75
25) Chloroform	7.52	83	9483	1.767	ug/L	99
27) 1,2-Dichloroethane	8.24	62	5446	1.542	ug/L	97
29) Cyclohexane	7.80	56	6741	1.359	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	7216	1.515	ug/L	98
31) Carbon tetrachloride	7.91	117	6361	1.479	ug/L	100
33) Benzene	8.17	78	18965	1.485	ug/L	100
34) Trichloroethene	8.94	95	5334	1.673	ug/L	96
35) Methylcyclohexane	9.19	83	7225	1.326	ug/L	89
37) 1,2-Dichloropropane	9.22	63	4834	1.491	ug/L #	96
38) Bromodichloromethane	9.50	83	6150	1.507	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	7545	1.507	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	10067	3.537	ug/L #	98
42) Toluene	10.25	91	20699	1.543	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	7243	1.567	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	4127	1.516	ug/L	93
46) Tetrachloroethene	10.72	164	4588	1.682	ug/L	93
48) 2-Hexanone	10.83	43	6324	3.044	ug/L #	97
49) Dibromochloromethane	10.98	129	4737	1.506	ug/L	94
50) 1,2-Dibromoethane	11.09	107	3821	1.451	ug/L #	96
51) Chlorobenzene	11.52	112	13865	1.604	ug/L #	85
52) Ethylbenzene	11.59	91	21050	1.466	ug/L	97
53) m,p-Xylene	11.70	106	8269	1.473	ug/L	92
54) o-Xylene	12.03	106	7257	1.369	ug/L	94
55) Styrene	12.04	104	12519	1.380	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.58	83	5008	1.388	ug/L #	92
59) Bromoform	12.21	173	3035	1.442	ug/L	96
60) Isopropylbenzene	12.33	105	19490	1.422	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	3994	1.558	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	14966	1.377	ug/L	94
63) 1,2,4-Trimethylbenzene	13.12	105	14980	1.395	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	10859	1.638	ug/L	87
65) 1,4-Dichlorobenzene	13.45	146	11093	1.646	ug/L	94
67) 1,2-Dichlorobenzene	13.74	146	10068	1.617	ug/L #	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	974m	1.637	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	8179	1.756	ug/L	95
70) 1,2,4-trichlorobenzene	15.01	180	6344	1.599	ug/L	100
71) Naphthalene	15.23	128	12839	1.482	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	5696	1.563	ug/L	96

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

