

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051921\
 Data File : VY004850.D
 Acq On : 19 May 2021 15:00
 Operator : SY/MD
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Quant Time: May 20 03:14:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 02:58:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	321204	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	298988	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	139536	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	122965	23.49	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	93.96%		
7) Chloroethane-d5	2.765	69	91523	23.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.92%		
11) 1,1-Dichloroethene-d2	3.857	63	164498	18.05	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.20%		
21) 2-Butanone-d5	6.905	46	102370	47.15	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.30%		
24) Chloroform-d	7.484	84	191302	23.22	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.88%		
26) 1,2-Dichloroethane-d4	8.149	65	123359	23.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.00%		
32) Benzene-d6	8.118	84	422955	23.62	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.48%		
36) 1,2-Dichloropropane-d6	9.124	67	135254	23.28	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	93.12%		
41) Toluene-d8	10.179	98	379552	23.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.40%		
43) trans-1,3-Dichloroprop...	10.441	79	63450	22.96	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.84%		
47) 2-Hexanone-d5	10.788	63	74187	46.75	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.50%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	116830	22.82	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.28%		
66) 1,2-Dichlorobenzene-d4	13.721	152	118517	23.50	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	5908	1.38	ug/L	95
3) Chloromethane	2.119	50	7048	1.34	ug/L	99
5) Vinyl chloride	2.253	62	9236	1.65	ug/L #	76
6) Bromomethane	2.662	94	3631	1.65	ug/L	98
8) Chloroethane	2.796	64	4220	1.29	ug/L	93
9) Trichlorofluoromethane	3.131	101	9661	1.35	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	7453	1.75	ug/L #	84
12) 1,1-Dichloroethene	3.881	96	6071	1.53	ug/L #	1
13) Acetone	3.960	43	5739	4.47	ug/L	77
14) Carbon disulfide	4.204	76	17262	1.35	ug/L	95
15) Methyl Acetate	4.491	43	5277	1.47	ug/L #	78
16) Methylene chloride	4.728	84	17741	3.22	ug/L	90
17) trans-1,2-Dichloroethene	5.234	96	5923	1.38	ug/L	85
18) Methyl tert-butyl Ether	5.234	73	15611	1.26	ug/L #	89
19) 1,1-Dichloroethane	6.033	63	10441	1.27	ug/L	94
20) cis-1,2-Dichloroethene	6.996	96	6083	1.31	ug/L	99
22) 2-Butanone	6.996	43	6366	2.87	ug/L	82
23) Bromochloromethane	7.338	128	3039	1.39	ug/L	85
25) Chloroform	7.515	83	16863	2.00	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	7907	1.36	ug/L #	93
29) Cyclohexane	7.789	56	9849	1.27	ug/L	97
30) 1,1,1-Trichloroethane	7.704	97	9147	1.30	ug/L	99
31) Carbon tetrachloride	7.905	117	5958	1.07	ug/L	96
33) Benzene	8.167	78	23838	1.29	ug/L	100
34) Trichloroethene	8.941	95	6044	1.30	ug/L	88
35) Methylcyclohexane	9.185	83	10625	1.36	ug/L	95
37) 1,2-Dichloropropane	9.222	63	6548	1.33	ug/L	99
38) Bromodichloromethane	9.502	83	7888	1.30	ug/L	96
39) cis-1,3-Dichloropropene	9.929	75	10444	1.37	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	15533	2.96	ug/L	99
42) Toluene	10.246	91	31347	1.61	ug/L	100
44) trans-1,3-Dichloropropene	10.471	75	12147	1.71	ug/L	94
45) 1,1,2-Trichloroethane	10.648	97	5257	1.37	ug/L	95
46) Tetrachloroethene	10.721	164	4858	1.38	ug/L	97
48) 2-Hexanone	10.831	43	9944	2.81	ug/L	98
49) Dibromochloromethane	10.983	129	5462	1.27	ug/L	97
50) 1,2-Dibromoethane	11.087	107	4626	1.25	ug/L #	97
51) Chlorobenzene	11.514	112	16283	1.35	ug/L	97
52) Ethylbenzene	11.593	91	27799	1.32	ug/L	96
53) m,p-Xylene	11.703	106	10604	1.36	ug/L	95
54) o-Xylene	12.026	106	8975	1.21	ug/L	94
55) Styrene	12.044	104	14683	1.15	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.587	83	6981	1.50	ug/L	95
59) Bromoform	12.209	173	3564	1.34	ug/L #	96
60) Isopropylbenzene	12.331	105	25078	1.28	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	5265	1.39	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	20507	1.30	ug/L	97
63) 1,2,4-Trimethylbenzene	13.117	105	20648	1.31	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	11984	1.43	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	12882	1.52	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	11669	1.51	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	1343	1.56	ug/L	86
69) 1,3,5-Trichlorobenzene	14.501	180	9283	1.65	ug/L	97
70) 1,2,4-trichlorobenzene	15.007	180	7617	1.62	ug/L	99
71) Naphthalene	15.233	128	18275	1.54	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	7068	1.65	ug/L	98

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

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