

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052021\
 Data File : VY004855.D
 Acq On : 20 May 2021 13:06
 Operator : SY/MD
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:49:20 PM

Quant Time: May 21 04:47:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 21 04:37:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	298693	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	275252	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	128743	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	136881	28.12	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.48%			
7) Chloroethane-d5	2.765	69	99123	27.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.56%			
11) 1,1-Dichloroethene-d2	3.857	63	180280	21.28	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.12%			
21) 2-Butanone-d5	6.899	46	114871	56.89	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 113.78%			
24) Chloroform-d	7.484	84	207880	27.13	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 108.52%			
26) 1,2-Dichloroethane-d4	8.149	65	132394	27.41	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 109.64%			
32) Benzene-d6	8.112	84	456938	27.72	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 110.88%			
36) 1,2-Dichloropropane-d6	9.124	67	147163	27.51	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 110.04%			
41) Toluene-d8	10.179	98	412462	27.57	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 110.28%			
43) trans-1,3-Dichloroprop...	10.441	79	69387	27.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 109.08%			
47) 2-Hexanone-d5	10.788	63	80733	55.26	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.52%			
56) 1,1,2,2-Tetrachloroeth...	12.562	84	128800	27.32	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 109.28%			
66) 1,2-Dichlorobenzene-d4	13.727	152	126698	27.23	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 108.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	4223	1.06	ug/L	96
3) Chloromethane	2.119	50	5633	1.15	ug/L	95
5) Vinyl chloride	2.259	62	6295	1.21	ug/L #	72
6) Bromomethane	2.662	94	2364	1.15	ug/L	98
8) Chloroethane	2.796	64	3167	1.04	ug/L	96
9) Trichlorofluoromethane	3.131	101	6732	1.01	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	5549m	1.40	ug/L	
12) 1,1-Dichloroethene	3.875	96	4982	1.35	ug/L #	1
13) Acetone	3.954	43	4539	3.80	ug/L	78
14) Carbon disulfide	4.204	76	11964	1.01	ug/L	99
15) Methyl Acetate	4.485	43	3448	1.04	ug/L #	77
16) Methylene chloride	4.722	84	20264	3.95	ug/L	95
17) trans-1,2-Dichloroethene	5.228	96	3563	0.89	ug/L	91
18) Methyl tert-butyl Ether	5.222	73	10611m	0.92	ug/L	
19) 1,1-Dichloroethane	6.021	63	7278	0.95	ug/L	93
20) cis-1,2-Dichloroethene	6.990	96	4001	0.93	ug/L	91
22) 2-Butanone	6.996	43	3921	1.90	ug/L	98
23) Bromochloromethane	7.338	128	2033	1.00	ug/L	83
25) Chloroform	7.514	83	13460	1.72	ug/L	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	5590	1.03	ug/L	96
29) Cyclohexane	7.789	56	6334	0.89	ug/L #	93
30) 1,1,1-Trichloroethane	7.703	97	6327	0.98	ug/L	97
31) Carbon tetrachloride	7.899	117	4154	0.81	ug/L	99
33) Benzene	8.167	78	16257	0.96	ug/L	100
34) Trichloroethene	8.941	95	4130	0.96	ug/L	98
35) Methylcyclohexane	9.185	83	6482	0.90	ug/L	92
37) 1,2-Dichloropropane	9.215	63	4592	1.01	ug/L #	94
38) Bromodichloromethane	9.496	83	5352	0.96	ug/L	86
39) cis-1,3-Dichloropropene	9.935	75	6353	0.90	ug/L	94
40) 4-Methyl-2-pentanone	10.075	43	10254	2.12	ug/L	98
42) Toluene	10.246	91	23662	1.32	ug/L	98
44) trans-1,3-Dichloropropene	10.471	75	9986	1.53	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	3323	0.94	ug/L	87
46) Tetrachloroethene	10.721	164	3427	1.06	ug/L	85
48) 2-Hexanone	10.837	43	6622	2.03	ug/L	96
49) Dibromochloromethane	10.989	129	3702	0.93	ug/L	95
50) 1,2-Dibromoethane	11.087	107	3224	0.95	ug/L #	89
51) Chlorobenzene	11.514	112	10785	0.97	ug/L #	89
52) Ethylbenzene	11.593	91	18752	0.97	ug/L	95
53) m,p-Xylene	11.703	106	6890	0.96	ug/L	94
54) o-Xylene	12.032	106	5838	0.85	ug/L	94
55) Styrene	12.044	104	9621	0.82	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.587	83	4978	1.16	ug/L #	95
59) Bromoform	12.209	173	2239	0.91	ug/L #	95
60) Isopropylbenzene	12.331	105	15717	0.87	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	3830	1.09	ug/L	93
62) 1,3,5-Trimethylbenzene	12.812	105	12900	0.89	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	12757	0.88	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	8056	1.04	ug/L	90
65) 1,4-Dichlorobenzene	13.446	146	7838	1.00	ug/L	95
67) 1,2-Dichlorobenzene	13.739	146	7168	1.00	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	14.361	75	1136	1.43	ug/L	91
69) 1,3,5-Trichlorobenzene	14.501	180	5364	1.03	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	4498	1.04	ug/L	92
71) Naphthalene	15.233	128	9645	0.88	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	3720	0.94	ug/L	98

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

