

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
 Data File : VY004860.D
 Acq On : 21 May 2021 12:58
 Operator : SY/MD
 Sample : M2250-04
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 10:41:50 AM

Quant Time: May 22 00:47:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 22 00:36:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	299293	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	278679	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	127863	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	117284	24.04	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.16%		
7) Chloroethane-d5	2.765	69	87613	24.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.52%		
11) 1,1-Dichloroethene-d2	3.856	63	161465	19.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.08%		
21) 2-Butanone-d5	6.898	46	105566	52.18	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	104.36%		
24) Chloroform-d	7.490	84	189840	24.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.92%		
26) 1,2-Dichloroethane-d4	8.148	65	120240	24.84	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.36%		
32) Benzene-d6	8.118	84	418107	25.05	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	100.20%		
36) 1,2-Dichloropropane-d6	9.130	67	135744	25.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.28%		
41) Toluene-d8	10.184	98	374939	24.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.00%		
43) trans-1,3-Dichloroprop...	10.441	79	62848	24.39	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.56%		
47) 2-Hexanone-d5	10.794	63	75500	51.04	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.08%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	118308	24.79	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.16%		
66) 1,2-Dichlorobenzene-d4	13.720	152	115080	24.90	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.905	85	4030	1.01	ug/L	98
3) Chloromethane	2.119	50	5966	1.22	ug/L	95
5) Vinyl chloride	2.253	62	5830	1.12	ug/L #	72
6) Bromomethane	2.655	94	2690	1.31	ug/L	95
8) Chloroethane	2.802	64	2921	0.96	ug/L	92
9) Trichlorofluoromethane	3.131	101	6878	1.03	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	4571	1.15	ug/L #	91
12) 1,1-Dichloroethene	3.875	96	5005	1.35	ug/L #	1
13) Acetone	3.960	43	4705	3.94	ug/L	98
14) Carbon disulfide	4.210	76	11600	0.98	ug/L	96
15) Methyl Acetate	4.490	43	3644	1.09	ug/L	95
16) Methylene chloride	4.728	84	21209	4.13	ug/L	99
17) trans-1,2-Dichloroethene	5.240	96	3953m	0.99	ug/L	
18) Methyl tert-butyl Ether	5.234	73	10684m	0.93	ug/L	
19) 1,1-Dichloroethane	6.027	63	7452	0.97	ug/L	93
20) cis-1,2-Dichloroethene	6.996	96	4319	1.00	ug/L	86
22) 2-Butanone	7.002	43	4183	2.02	ug/L	86
23) Bromochloromethane	7.350	128	2030	1.00	ug/L	75
25) Chloroform	7.514	83	12912	1.65	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	5739	1.06	ug/L	100
29) Cyclohexane	7.795	56	6525	0.90	ug/L #	93
30) 1,1,1-Trichloroethane	7.703	97	6450	0.98	ug/L	97
31) Carbon tetrachloride	7.910	117	3878	0.75	ug/L	99
33) Benzene	8.167	78	16973	0.99	ug/L	100
34) Trichloroethene	8.947	95	4205	0.97	ug/L	88
35) Methylcyclohexane	9.191	83	6913	0.95	ug/L	98
37) 1,2-Dichloropropane	9.221	63	4517	0.98	ug/L #	95
38) Bromodichloromethane	9.502	83	5479	0.97	ug/L	99
39) cis-1,3-Dichloropropene	9.928	75	6791	0.95	ug/L	93
40) 4-Methyl-2-pentanone	10.075	43	11366	2.32	ug/L	96
42) Toluene	10.245	91	23601	1.30	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	5611	0.85	ug/L	100
45) 1,1,2-Trichloroethane	10.648	97	3508	0.98	ug/L	96
46) Tetrachloroethene	10.721	164	3503	1.07	ug/L	92
48) 2-Hexanone	10.837	43	6883	2.08	ug/L	96
49) Dibromochloromethane	10.989	129	3848	0.96	ug/L	87
50) 1,2-Dibromoethane	11.093	107	3379	0.98	ug/L #	88
51) Chlorobenzene	11.513	112	10597	0.94	ug/L	94
52) Ethylbenzene	11.593	91	18408	0.94	ug/L	100
53) m,p-Xylene	11.702	106	6921	0.95	ug/L	87
54) o-Xylene	12.032	106	6058	0.87	ug/L	99
55) Styrene	12.044	104	9614	0.81	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.586	83	4582	1.05	ug/L #	96
59) Bromoform	12.208	173	2332	0.96	ug/L	98
60) Isopropylbenzene	12.330	105	16158	0.90	ug/L	98
61) 1,2,3-Trichloropropane	12.635	75	3892	1.12	ug/L	95
62) 1,3,5-Trimethylbenzene	12.812	105	13077	0.90	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	13761	0.95	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	7833	1.02	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	7913	1.02	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	7305	1.03	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	1502	1.90	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.501	180	5174	1.00	ug/L	94
70) 1,2,4-trichlorobenzene	15.001	180	4492	1.04	ug/L	98
71) Naphthalene	15.238	128	9637	0.89	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.421	180	4091	1.04	ug/L #	88

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

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