

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004117.D
 Acq On : 18 Mar 2021 13:10
 Operator : SY/MD
 Sample : M1458-03
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:14 PM

Quant Time: Mar 19 02:35:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 19 02:34:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	202050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	317445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	288131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145362	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	95758	48.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.04%		
35) Dibromofluoromethane	7.728	113	88912	49.67	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.34%		
50) Toluene-d8	10.185	98	334104	47.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.22%		
62) 4-Bromofluorobenzene	12.483	95	122611	47.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.60%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7253	4.46	ug/l	100
3) Chloromethane	2.119	50	9297	4.26	ug/l	97
4) Vinyl Chloride	2.260	62	10518	4.31	ug/l	98
5) Bromomethane	2.656	94	8197	5.25	ug/l	90
6) Chloroethane	2.802	64	6291	4.23	ug/l	96
7) Trichlorofluoromethane	3.137	101	13917	4.29	ug/l	98
8) Diethyl Ether	3.540	74	4499	4.33	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	7793	4.29	ug/l	95
10) Methyl Iodide	4.113	142	6774	3.65	ug/l	100
11) Tert butyl alcohol	4.979	59	4195	23.27	ug/l #	92
12) 1,1-Dichloroethene	3.887	96	7241	4.08	ug/l	81
13) Acrolein	3.741	56	3128	17.49	ug/l	98
14) Allyl chloride	4.491	41	10391	3.54	ug/l #	83
15) Acrylonitrile	5.186	53	10505	20.32	ug/l	99
16) Acetone	3.967	43	9251	19.22	ug/l	92
17) Carbon Disulfide	4.204	76	21090	4.04	ug/l #	93
18) Methyl Acetate	4.497	43	5630	4.73	ug/l	95
19) Methyl tert-butyl Ether	5.235	73	21012	4.15	ug/l	98
20) Methylene Chloride	4.735	84	14298	6.15	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	8643	4.33	ug/l	94
22) Diisopropyl ether	6.137	45	23632	3.81	ug/l	97
23) Vinyl Acetate	6.076	43	73862	18.09	ug/l	99
24) 1,1-Dichloroethane	6.033	63	14205	4.13	ug/l	99
25) 2-Butanone	6.996	43	13276	19.14	ug/l #	87
26) 2,2-Dichloropropane	7.003	77	12797	3.89	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	9512	4.19	ug/l	92
28) Bromochloromethane	7.344	49	5785	3.85	ug/l #	81
29) Tetrahydrofuran	7.356	42	8788	19.50	ug/l #	88
30) Chloroform	7.521	83	14977	4.20	ug/l	91
31) Cyclohexane	7.795	56	16947	4.85	ug/l #	74
32) 1,1,1-Trichloroethane	7.716	97	13700	4.14	ug/l	99
36) 1,1-Dichloropropene	7.929	75	11327	4.06	ug/l	96
37) Ethyl Acetate	7.082	43	6126	4.08	ug/l #	87
38) Carbon Tetrachloride	7.911	117	12159	4.11	ug/l	99
39) Methylcyclohexane	9.191	83	14576	4.05	ug/l	87
40) Benzene	8.173	78	33780	4.30	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	4103m	4.41	ug/l	
42) 1,2-Dichloroethane	8.252	62	10365	4.32	ug/l	94
43) Isopropyl Acetate	8.283	43	11724	3.89	ug/l #	95
44) Trichloroethene	8.947	130	10026	4.41	ug/l	100
45) 1,2-Dichloropropane	9.222	63	7927	4.04	ug/l	95
46) Dibromomethane	9.313	93	4936	4.40	ug/l	97
47) Bromodichloromethane	9.502	83	11443	4.09	ug/l	99
48) Methyl methacrylate	9.301	41	5303	3.70	ug/l #	87
49) 1,4-Dioxane	9.301	88	1375	96.32	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	29831	19.54	ug/l	96
52) Toluene	10.252	92	22400	4.40	ug/l	90
53) t-1,3-Dichloropropene	10.471	75	11501	3.89	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	13284	4.01	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	6900	4.38	ug/l	94
56) Ethyl methacrylate	10.514	69	8799	3.99	ug/l	90
57) 1,3-Dichloropropane	10.795	76	11617	4.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	22742	23.25	ug/l	93
59) 2-Hexanone	10.837	43	20518	19.13	ug/l	99
60) Dibromochloromethane	10.990	129	8063	4.07	ug/l	100
61) 1,2-Dibromoethane	11.093	107	6452	4.20	ug/l	98
64) Tetrachloroethene	10.721	164	11650	4.83	ug/l	90
65) Chlorobenzene	11.520	112	23701	4.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	8739	4.23	ug/l	97
67) Ethyl Benzene	11.593	91	41224	4.07	ug/l	99
68) m/p-Xylenes	11.709	106	33085	8.56	ug/l	92
69) o-Xylene	12.032	106	15501	4.24	ug/l	95
70) Styrene	12.050	104	25361	4.05	ug/l	97
71) Bromoform	12.209	173	4890	3.96	ug/l #	97
73) Isopropylbenzene	12.331	105	41038	4.06	ug/l	99
74) N-amyl acetate	12.148	43	10028	3.47	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	6691	3.81	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	5414m	3.88	ug/l	
77) Bromobenzene	12.611	156	10059	4.31	ug/l	99
78) n-propylbenzene	12.672	91	47934	4.03	ug/l	98
79) 2-Chlorotoluene	12.758	91	27004	4.04	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	34915	4.07	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2585	3.66	ug/l	95
82) 4-Chlorotoluene	12.855	91	28942	4.09	ug/l	97
83) tert-Butylbenzene	13.081	119	29913	4.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	35114	4.09	ug/l	97
85) sec-Butylbenzene	13.258	105	40592	3.99	ug/l	98
86) p-Isopropyltoluene	13.373	119	37292	3.96	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	19608	4.35	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	19517	4.34	ug/l	91
89) n-Butylbenzene	13.696	91	35068	3.91	ug/l	96
90) Hexachloroethane	13.965	117	6475	3.82	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	17497	4.38	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1494	4.51	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	11981	4.42	ug/l	96
94) Hexachlorobutadiene	15.111	225	6579	4.33	ug/l	97
95) Naphthalene	15.239	128	23840	4.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10278	4.51	ug/l	99

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

