

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004099.D
 Acq On : 17 Mar 2021 13:37
 Operator : SY/MD
 Sample : M1458-01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 2:18:49 PM

Quant Time: Mar 18 02:47:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 02:46:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	217369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	341287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	308273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156076	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	105320	49.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.20%		
35) Dibromofluoromethane	7.734	113	99799	51.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.70%		
50) Toluene-d8	10.184	98	378119	50.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.22%		
62) 4-Bromofluorobenzene	12.483	95	137513	49.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.70%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7797	4.46	ug/l	90
3) Chloromethane	2.119	50	11218	4.77	ug/l	99
4) Vinyl Chloride	2.259	62	11412	4.34	ug/l	100
5) Bromomethane	2.661	94	8409	5.01	ug/l	90
6) Chloroethane	2.802	64	6690	4.18	ug/l #	85
7) Trichlorofluoromethane	3.137	101	14049	4.02	ug/l	92
8) Diethyl Ether	3.545	74	4874	4.36	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.917	101	8258	4.23	ug/l	99
10) Methyl Iodide	4.106	142	7846	3.93	ug/l	98
11) Tert butyl alcohol	4.966	59	4693	24.20	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	8183	4.28	ug/l	92
13) Acrolein	3.753	56	3207	16.67	ug/l	96
14) Allyl chloride	4.496	41	12143	3.84	ug/l	93
15) Acrylonitrile	5.185	53	10920	19.63	ug/l	99
16) Acetone	3.966	43	9652	18.64	ug/l	98
17) Carbon Disulfide	4.210	76	23472	4.18	ug/l	96
18) Methyl Acetate	4.484	43	6111	4.78	ug/l #	85
19) Methyl tert-butyl Ether	5.240	73	23351	4.29	ug/l	92
20) Methylene Chloride	4.740	84	13804	5.52	ug/l	85
21) trans-1,2-Dichloroethene	5.240	96	9194	4.28	ug/l	83
22) Diisopropyl ether	6.136	45	25053	3.75	ug/l #	94
23) Vinyl Acetate	6.082	43	80037	18.22	ug/l	95
24) 1,1-Dichloroethane	6.039	63	14502	3.91	ug/l	95
25) 2-Butanone	7.008	43	14146	18.95	ug/l #	88
26) 2,2-Dichloropropane	6.996	77	13718	3.88	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	10057	4.11	ug/l	91
28) Bromochloromethane	7.356	49	6551	4.05	ug/l #	83
29) Tetrahydrofuran	7.368	42	10402	21.45	ug/l	95
30) Chloroform	7.520	83	16513	4.30	ug/l	100
31) Cyclohexane	7.801	56	17940	4.77	ug/l #	75
32) 1,1,1-Trichloroethane	7.715	97	14493	4.07	ug/l	98
36) 1,1-Dichloropropene	7.929	75	12798	4.27	ug/l	98
37) Ethyl Acetate	7.087	43	6317	3.91	ug/l	98
38) Carbon Tetrachloride	7.910	117	12904	4.06	ug/l	98
39) Methylcyclohexane	9.191	83	16117	4.16	ug/l	91
40) Benzene	8.173	78	35591	4.21	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	4126m	4.12	ug/l	
42) 1,2-Dichloroethane	8.252	62	11337	4.39	ug/l	98
43) Isopropyl Acetate	8.282	43	12540	3.87	ug/l	98
44) Trichloroethene	8.947	130	11433	4.67	ug/l	94
45) 1,2-Dichloropropane	9.227	63	8425	4.00	ug/l	96
46) Dibromomethane	9.313	93	5052	4.19	ug/l	97
47) Bromodichloromethane	9.508	83	11634	3.87	ug/l #	96
48) Methyl methacrylate	9.300	41	6191	4.02	ug/l	94
49) 1,4-Dioxane	9.313	88	1286	83.79	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	31668	19.29	ug/l	95
52) Toluene	10.252	92	23435	4.28	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	12509	3.94	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	14126	3.97	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	7117	4.20	ug/l	94
56) Ethyl methacrylate	10.514	69	9663	4.08	ug/l	94
57) 1,3-Dichloropropane	10.794	76	12623	4.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	22450	21.35	ug/l	90
59) 2-Hexanone	10.837	43	21882	18.98	ug/l	99
60) Dibromochloromethane	10.989	129	8573	4.03	ug/l	97
61) 1,2-Dibromoethane	11.093	107	7241	4.39	ug/l	99
64) Tetrachloroethene	10.727	164	13011	5.04	ug/l	98
65) Chlorobenzene	11.520	112	25913	4.39	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	9361	4.24	ug/l	99
67) Ethyl Benzene	11.599	91	44757	4.13	ug/l	95
68) m/p-Xylenes	11.709	106	34596	8.36	ug/l	93
69) o-Xylene	12.032	106	16243	4.15	ug/l	94
70) Styrene	12.050	104	26883	4.01	ug/l	97
71) Bromoform	12.215	173	5343	4.04	ug/l #	97
73) Isopropylbenzene	12.330	105	43984	4.05	ug/l	98
74) N-amyl acetate	12.148	43	11253	3.62	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.586	83	7454	3.96	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	6208m	4.15	ug/l	
77) Bromobenzene	12.611	156	10844	4.33	ug/l	92
78) n-propylbenzene	12.672	91	51452	4.03	ug/l	97
79) 2-Chlorotoluene	12.757	91	29768	4.15	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	36621	3.98	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.385	75	2650	3.49	ug/l	96
82) 4-Chlorotoluene	12.855	91	30639	4.03	ug/l	95
83) tert-Butylbenzene	13.080	119	32145	4.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	36922	4.01	ug/l	96
85) sec-Butylbenzene	13.257	105	44633	4.09	ug/l	98
86) p-Isopropyltoluene	13.373	119	41643	4.12	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	20750	4.29	ug/l	96
88) 1,4-Dichlorobenzene	13.446	146	21206	4.39	ug/l	91
89) n-Butylbenzene	13.696	91	38906	4.04	ug/l	98
90) Hexachloroethane	13.958	117	6801	3.74	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	18651	4.35	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1397	3.92	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	13206	4.54	ug/l	95
94) Hexachlorobutadiene	15.110	225	7138	4.38	ug/l	98
95) Naphthalene	15.238	128	24928	4.32	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	11173	4.57	ug/l	97

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

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