

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004075.D
 Acq On : 11 Mar 2021 14:30
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 3/12/2021 2:02:04 PM

Quant Time: Mar 12 02:02:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 02:01:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	234128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	368016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	331964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167792	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	114163	49.41	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.82%
35) Dibromofluoromethane	7.728	113	107859	51.97	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.94%
50) Toluene-d8	10.185	98	410470	50.45	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.90%
62) 4-Bromofluorobenzene	12.483	95	148719	49.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.98%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	4999	2.65	ug/l	91
3) Chloromethane	2.113	50	8332	3.29	ug/l	98
4) Vinyl Chloride	2.260	62	8474	2.99	ug/l	95
5) Bromomethane	2.662	94	7266	4.02	ug/l	99
6) Chloroethane	2.802	64	5163	3.00	ug/l	93
7) Trichlorofluoromethane	3.131	101	9999	2.66	ug/l	100
8) Diethyl Ether	3.534	74	3271	2.71	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.918	101	5450	2.59	ug/l	99
10) Methyl Iodide	4.113	142	4914	2.29	ug/l	98
11) Tert butyl alcohol	5.009	59	3303m	15.81	ug/l	
12) 1,1-Dichloroethene	3.893	96	5611	2.73	ug/l #	79
13) Acrolein	3.741	56	2269	10.95	ug/l	89
14) Allyl chloride	4.491	41	8182	2.40	ug/l #	90
15) Acrylonitrile	5.192	53	7611	12.70	ug/l	94
16) Acetone	3.973	43	6630	11.89	ug/l	93
17) Carbon Disulfide	4.210	76	15505	2.56	ug/l #	95
18) Methyl Acetate	4.497	43	4474	3.25	ug/l	95
19) Methyl tert-butyl Ether	5.241	73	15095	2.58	ug/l	97
20) Methylene Chloride	4.735	84	16035	5.95	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	5981	2.59	ug/l	86
22) Diisopropyl ether	6.137	45	17198	2.39	ug/l	98
23) Vinyl Acetate	6.076	43	54053	11.43	ug/l	99
24) 1,1-Dichloroethane	6.033	63	9988	2.50	ug/l	97
25) 2-Butanone	7.003	43	9658	12.01	ug/l #	88
26) 2,2-Dichloropropane	6.996	77	9398	2.47	ug/l	96
27) cis-1,2-Dichloroethene	7.003	96	6867	2.61	ug/l	88
28) Bromochloromethane	7.344	49	3974	2.28	ug/l #	87
29) Tetrahydrofuran	7.362	42	6449	12.35	ug/l	93
30) Chloroform	7.527	83	10542	2.55	ug/l	96
31) Cyclohexane	7.795	56	13984	3.45	ug/l #	51
32) 1,1,1-Trichloroethane	7.722	97	9650	2.52	ug/l	99
36) 1,1-Dichloropropene	7.929	75	8838	2.73	ug/l	99
37) Ethyl Acetate	7.088	43	3692	2.12	ug/l #	89
38) Carbon Tetrachloride	7.911	117	8690	2.53	ug/l	97
39) Methylcyclohexane	9.191	83	10621	2.54	ug/l	88
40) Benzene	8.167	78	23240	2.55	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2635m	2.44	ug/l	
42) 1,2-Dichloroethane	8.246	62	7359	2.64	ug/l	94
43) Isopropyl Acetate	8.283	43	8395	2.40	ug/l	93
44) Trichloroethene	8.947	130	7429	2.82	ug/l	98
45) 1,2-Dichloropropane	9.228	63	5480	2.41	ug/l	100
46) Dibromomethane	9.313	93	3426	2.64	ug/l	97
47) Bromodichloromethane	9.502	83	7986	2.46	ug/l	88
48) Methyl methacrylate	9.295	41	4096	2.47	ug/l #	89
49) 1,4-Dioxane	9.313	88	728	43.99	ug/l #	37
51) 4-Methyl-2-Pentanone	10.075	43	21531	12.17	ug/l	97
52) Toluene	10.246	92	15330	2.60	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	8432	2.46	ug/l #	88
54) cis-1,3-Dichloropropene	9.935	75	9176	2.39	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	4720	2.58	ug/l #	85
56) Ethyl methacrylate	10.514	69	6359	2.49	ug/l	93
57) 1,3-Dichloropropane	10.795	76	8225	2.63	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	16124	14.22	ug/l	92
59) 2-Hexanone	10.837	43	14169	11.39	ug/l	97
60) Dibromochloromethane	10.990	129	5953	2.59	ug/l	94
61) 1,2-Dibromoethane	11.093	107	4744	2.66	ug/l	95
64) Tetrachloroethene	10.721	164	8540	3.07	ug/l	96
65) Chlorobenzene	11.520	112	16525	2.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	6183	2.60	ug/l	99
67) Ethyl Benzene	11.593	91	29665	2.54	ug/l	96
68) m/p-Xylenes	11.703	106	22225	4.99	ug/l	99
69) o-Xylene	12.032	106	10688	2.54	ug/l	97
70) Styrene	12.044	104	17416	2.42	ug/l	99
71) Bromoform	12.209	173	3371	2.37	ug/l #	92
73) Isopropylbenzene	12.331	105	29337	2.52	ug/l	98
74) N-amyl acetate	12.148	43	7624	2.28	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	4432	2.19	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	4042m	2.51	ug/l	
77) Bromobenzene	12.611	156	6670	2.48	ug/l	94
78) n-propylbenzene	12.672	91	33738	2.46	ug/l	97
79) 2-Chlorotoluene	12.758	91	18869	2.45	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	25021	2.53	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1800m	2.21	ug/l	
82) 4-Chlorotoluene	12.855	91	20225	2.48	ug/l	98
83) tert-Butylbenzene	13.075	119	21558	2.53	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	25524	2.58	ug/l	99
85) sec-Butylbenzene	13.258	105	29281	2.50	ug/l	98
86) p-Isopropyltoluene	13.373	119	26860	2.47	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	13701	2.63	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	14310	2.76	ug/l	89
89) n-Butylbenzene	13.696	91	25198	2.43	ug/l	97
90) Hexachloroethane	13.959	117	4524	2.31	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	12733	2.76	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1044	2.73	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	8720	2.79	ug/l	96
94) Hexachlorobutadiene	15.117	225	4473	2.55	ug/l	99
95) Naphthalene	15.239	128	17479	2.82	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7462	2.84	ug/l	97

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

