

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004076.D
 Acq On : 11 Mar 2021 14:53
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 3/12/2021 2:02:05 PM

Quant Time: Mar 12 02:03:24 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	229437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	364020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	325618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	115981	51.22	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.44%	
35) Dibromofluoromethane	7.728	113	107541	52.39	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.78%	
50) Toluene-d8	10.185	98	408419	50.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.50%	
62) 4-Bromofluorobenzene	12.483	95	150358	50.59	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.18%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	5052	2.74	ug/l	94
3) Chloromethane	2.119	50	7178	2.89	ug/l	98
4) Vinyl Chloride	2.259	62	7379	2.66	ug/l	99
5) Bromomethane	2.662	94	5787	3.27	ug/l	96
6) Chloroethane	2.808	64	4562	2.70	ug/l	99
7) Trichlorofluoromethane	3.137	101	8971	2.43	ug/l	96
8) Diethyl Ether	3.540	74	3005	2.54	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.911	101	5160	2.50	ug/l	96
10) Methyl Iodide	4.107	142	4292	2.04	ug/l	96
11) Tert butyl alcohol	4.978	59	3566	17.42	ug/l #	88
12) 1,1-Dichloroethene	3.893	96	4949	2.45	ug/l	94
13) Acrolein	3.735	56	2411	11.87	ug/l	91
14) Allyl chloride	4.491	41	7825	2.35	ug/l	93
15) Acrylonitrile	5.186	53	7421	12.64	ug/l	97
16) Acetone	3.966	43	7271	13.30	ug/l #	88
17) Carbon Disulfide	4.210	76	14519	2.45	ug/l	96
18) Methyl Acetate	4.497	43	4536	3.36	ug/l	100
19) Methyl tert-butyl Ether	5.240	73	14492	2.52	ug/l	99
20) Methylene Chloride	4.734	84	16061	6.09	ug/l	93
21) trans-1,2-Dichloroethene	5.234	96	5547	2.45	ug/l	96
22) Diisopropyl ether	6.131	45	15463	2.20	ug/l #	92
23) Vinyl Acetate	6.076	43	50411	10.87	ug/l	99
24) 1,1-Dichloroethane	6.033	63	9046	2.31	ug/l	96
25) 2-Butanone	7.002	43	9751	12.38	ug/l	99
26) 2,2-Dichloropropane	6.996	77	8419	2.25	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	6473	2.51	ug/l	89
28) Bromochloromethane	7.350	49	4144	2.43	ug/l	88
29) Tetrahydrofuran	7.362	42	6740	13.17	ug/l	98
30) Chloroform	7.521	83	9712	2.40	ug/l	90
31) Cyclohexane	7.795	56	13238	3.33	ug/l #	61
32) 1,1,1-Trichloroethane	7.710	97	8787	2.34	ug/l	99
36) 1,1-Dichloropropene	7.929	75	7497	2.34	ug/l	94
37) Ethyl Acetate	7.094	43	4855	2.82	ug/l	97
38) Carbon Tetrachloride	7.911	117	8063	2.38	ug/l	94
39) Methylcyclohexane	9.185	83	9718	2.35	ug/l	91
40) Benzene	8.173	78	21260	2.36	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	2750m	2.58	ug/l	
42) 1,2-Dichloroethane	8.246	62	6987	2.54	ug/l	99
43) Isopropyl Acetate	8.283	43	8602	2.49	ug/l #	85
44) Trichloroethene	8.947	130	6961	2.67	ug/l	98
45) 1,2-Dichloropropane	9.228	63	5077	2.26	ug/l	94
46) Dibromomethane	9.313	93	3099	2.41	ug/l	98
47) Bromodichloromethane	9.502	83	7308	2.28	ug/l	98
48) Methyl methacrylate	9.301	41	4025	2.45	ug/l	97
49) 1,4-Dioxane	9.313	88	880	53.76	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	20311	11.60	ug/l	96
52) Toluene	10.252	92	13970	2.39	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	7699	2.27	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	8932	2.35	ug/l #	93
55) 1,1,2-Trichloroethane	10.654	97	4339	2.40	ug/l	94
56) Ethyl methacrylate	10.514	69	5844	2.31	ug/l	96
57) 1,3-Dichloropropane	10.794	76	7768	2.51	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	16458	14.67	ug/l	90
59) 2-Hexanone	10.837	43	14440	11.74	ug/l	99
60) Dibromochloromethane	10.989	129	5335	2.35	ug/l	97
61) 1,2-Dibromoethane	11.093	107	4592	2.61	ug/l	95
64) Tetrachloroethene	10.721	164	7930	2.91	ug/l	94
65) Chlorobenzene	11.520	112	15035	2.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	5661	2.43	ug/l	98
67) Ethyl Benzene	11.593	91	27199	2.37	ug/l	97
68) m/p-Xylenes	11.709	106	20576	4.71	ug/l	97
69) o-Xylene	12.032	106	9777	2.37	ug/l	98
70) Styrene	12.044	104	16099	2.28	ug/l	97
71) Bromoform	12.209	173	3218	2.30	ug/l #	93
73) Isopropylbenzene	12.331	105	26587	2.33	ug/l	99
74) N-amyl acetate	12.148	43	7108	2.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	4231	2.14	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	3811m	2.42	ug/l	
77) Bromobenzene	12.611	156	6408	2.43	ug/l	99
78) n-propylbenzene	12.672	91	31043	2.31	ug/l	96
79) 2-Chlorotoluene	12.757	91	18025	2.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	22734	2.35	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	1770m	2.22	ug/l	
82) 4-Chlorotoluene	12.855	91	18423	2.31	ug/l	95
83) tert-Butylbenzene	13.081	119	19724	2.37	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	22798	2.35	ug/l	97
85) sec-Butylbenzene	13.257	105	27139	2.36	ug/l	98
86) p-Isopropyltoluene	13.373	119	24888	2.34	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	12132	2.38	ug/l	94
88) 1,4-Dichlorobenzene	13.446	146	12739	2.51	ug/l	87
89) n-Butylbenzene	13.696	91	23044	2.28	ug/l	97
90) Hexachloroethane	13.965	117	4181	2.19	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	11556	2.56	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	876	2.34	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	7845	2.56	ug/l	96
94) Hexachlorobutadiene	15.111	225	4200	2.45	ug/l	97
95) Naphthalene	15.239	128	16060	2.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	6805	2.64	ug/l	98

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

