

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
 Data File : VY005523.D
 Acq On : 02 Aug 2021 15:57
 Operator : SY/MD
 Sample : M2940-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:46 PM

Quant Time: Aug 03 07:00:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 07:00:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	288762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	440192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	396510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	199860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	153721	52.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.180%	
35) Dibromofluoromethane	7.728	113	124808	50.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.280%	
50) Toluene-d8	10.185	98	515350	49.859	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.483	95	170456	49.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	5891	2.484	ug/l	92
3) Chloromethane	2.119	50	7544	2.663	ug/l	95
4) Vinyl Chloride	2.253	62	8386	2.471	ug/l	97
5) Bromomethane	2.656	94	6652	2.978	ug/l	91
6) Chloroethane	2.802	64	6282	3.067	ug/l	97
7) Trichlorofluoromethane	3.131	101	10968	2.414	ug/l	98
8) Diethyl Ether	3.533	74	3977	2.506	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	5994	2.432	ug/l	97
10) Methyl Iodide	4.100	142	7356	2.396	ug/l	95
11) Tert butyl alcohol	4.954	59	6228	21.553	ug/l #	81
12) 1,1-Dichloroethene	3.887	96	6018	2.418	ug/l	93
13) Acrolein	3.735	56	2088	11.977	ug/l	92
14) Allyl chloride	4.484	41	10430	2.393	ug/l	100
15) Acrylonitrile	5.180	53	9683	11.907	ug/l #	86
16) Acetone	3.954	43	8314	11.282	ug/l	97
17) Carbon Disulfide	4.204	76	19699	2.568	ug/l	98
18) Methyl Acetate	4.491	43	5246	2.722	ug/l	96
19) Methyl tert-butyl Ether	5.240	73	18191	2.360	ug/l	97
20) Methylene Chloride	4.728	84	34127	9.221	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	7175	2.579	ug/l	90
22) Diisopropyl ether	6.131	45	21687	2.412	ug/l #	95
23) Vinyl Acetate	6.070	43	65342	10.919	ug/l	99
24) 1,1-Dichloroethane	6.027	63	12276	2.463	ug/l #	92
25) 2-Butanone	7.002	43	11438	10.500	ug/l	96
26) 2,2-Dichloropropane	6.990	77	10619	2.332	ug/l	78
27) cis-1,2-Dichloroethene	6.996	96	8143	2.573	ug/l	98
28) Bromochloromethane	7.344	49	4922	2.475	ug/l #	92
29) Tetrahydrofuran	7.362	42	8397	11.654	ug/l	96
30) Chloroform	7.514	83	13579	2.670	ug/l	84
31) Cyclohexane	7.795	56	16403	3.272	ug/l #	72
32) 1,1,1-Trichloroethane	7.710	97	11533	2.467	ug/l	99
36) 1,1-Dichloropropene	7.929	75	9903	2.399	ug/l	98
37) Ethyl Acetate	7.082	43	6089	2.434	ug/l	98
38) Carbon Tetrachloride	7.905	117	10597	2.362	ug/l	92
39) Methylcyclohexane	9.185	83	11690	2.226	ug/l	96
40) Benzene	8.167	78	28585	2.418	ug/l	93

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	3612m	2.662	ug/l	
42) 1,2-Dichloroethane	8.246	62	9327	2.432	ug/l	100
43) Isopropyl Acetate	8.277	43	10293	2.174	ug/l #	88
44) Trichloroethene	8.941	130	8331	2.582	ug/l	97
45) 1,2-Dichloropropane	9.221	63	6989	2.363	ug/l	95
46) Dibromomethane	9.313	93	4088	2.500	ug/l	94
47) Bromodichloromethane	9.502	83	9500	2.321	ug/l	98
48) Methyl methacrylate	9.301	41	4602	2.150	ug/l	96
49) 1,4-Dioxane	9.307	88	948	41.707	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	26159	10.490	ug/l	99
52) Toluene	10.246	92	18324	2.431	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	10179	2.225	ug/l	93
54) cis-1,3-Dichloropropene	9.935	75	11270	2.270	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	5549	2.345	ug/l	94
56) Ethyl methacrylate	10.514	69	7164	2.022	ug/l	97
57) 1,3-Dichloropropane	10.794	76	9562	2.291	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	16189	9.562	ug/l	99
59) 2-Hexanone	10.837	43	16898	9.587	ug/l	97
60) Dibromochloromethane	10.983	129	6317	2.157	ug/l	98
61) 1,2-Dibromoethane	11.093	107	4986	2.224	ug/l	98
64) Tetrachloroethene	10.721	164	7517	2.491	ug/l	92
65) Chlorobenzene	11.520	112	19451	2.438	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	6964	2.319	ug/l	96
67) Ethyl Benzene	11.593	91	33413	2.309	ug/l	98
68) m/p-Xylenes	11.709	106	25566	4.549	ug/l	100
69) o-Xylene	12.032	106	12209	2.260	ug/l	95
70) Styrene	12.050	104	20246	2.227	ug/l	99
71) Bromoform	12.209	173	4412	2.265	ug/l #	94
73) Isopropylbenzene	12.331	105	32172	2.306	ug/l	99
74) N-amyl acetate	12.148	43	8406	2.002	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	6162	2.296	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	5455m	2.634	ug/l	
77) Bromobenzene	12.611	156	8301	2.422	ug/l	94
78) n-propylbenzene	12.672	91	39772	2.400	ug/l	100
79) 2-Chlorotoluene	12.757	91	22731	2.443	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	27501	2.375	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	2222m	2.163	ug/l	
82) 4-Chlorotoluene	12.855	91	23863	2.479	ug/l	99
83) tert-Butylbenzene	13.074	119	24192	2.329	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	26837	2.349	ug/l	99
85) sec-Butylbenzene	13.257	105	34448	2.299	ug/l	100
86) p-Isopropyltoluene	13.373	119	29690	2.308	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	16908	2.528	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	16656	2.510	ug/l	84
89) n-Butylbenzene	13.696	91	28230	2.422	ug/l	99
90) Hexachloroethane	13.958	117	5901	2.551	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	14548	2.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1389	2.731	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	10868	2.678	ug/l	99
94) Hexachlorobutadiene	15.117	225	6902	2.627	ug/l	98
95) Naphthalene	15.239	128	20913	2.614	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	10183	2.832	ug/l	99

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

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