

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
 Data File : VY006374.D
 Acq On : 12 Oct 2021 12:18
 Operator : SY/MD
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 6:22:33 PM

Quant Time: Oct 13 08:03:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 08:03:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	137138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	211219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	73470	50.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.120%			
35) Dibromofluoromethane	7.722	113	54577	48.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.720%			
50) Toluene-d8	10.185	98	227446	48.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.483	95	74492	46.430	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3174	2.282	ug/l	93
3) Chloromethane	2.119	50	4310	2.660	ug/l	99
4) Vinyl Chloride	2.259	62	5127	2.855	ug/l	96
5) Bromomethane	2.662	94	4161	3.566	ug/l	99
6) Chloroethane	2.802	64	2858	2.705	ug/l	97
7) Trichlorofluoromethane	3.137	101	6377	2.696	ug/l	93
8) Diethyl Ether	3.540	74	2011	2.574	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	3174	2.514	ug/l	96
10) Methyl Iodide	4.094	142	2737	1.989	ug/l #	37
11) Tert butyl alcohol	4.960	59	1749	13.622	ug/l #	77
12) 1,1-Dichloroethene	3.887	96	3403	2.649	ug/l #	74
13) Acrolein	3.735	56	909	11.118	ug/l	97
14) Allyl chloride	4.491	41	5948	2.408	ug/l	97
15) Acrylonitrile	5.167	53	4812	11.711	ug/l	94
16) Acetone	3.960	43	5132	12.519	ug/l	96
17) Carbon Disulfide	4.204	76	10571	2.461	ug/l	96
18) Methyl Acetate	4.491	43	3657	2.645	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	8950	2.386	ug/l	98
20) Methylene Chloride	4.722	84	7343	4.602	ug/l #	80
21) trans-1,2-Dichloroethene	5.228	96	3499	2.457	ug/l	93
22) Diisopropyl ether	6.125	45	10846	2.220	ug/l	97
23) Vinyl Acetate	6.076	43	31031	10.594	ug/l	99
24) 1,1-Dichloroethane	6.027	63	6534	2.491	ug/l #	90
25) 2-Butanone	6.996	43	6240	10.927	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	6095	2.541	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	4001	2.509	ug/l	96
28) Bromochloromethane	7.338	49	3034	2.778	ug/l #	90
29) Tetrahydrofuran	7.356	42	4164	11.544	ug/l	97
30) Chloroform	7.515	83	7051	2.694	ug/l	95
31) Cyclohexane	7.789	56	9094	3.270	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	6104	2.526	ug/l	95
36) 1,1-Dichloropropene	7.929	75	5359	2.550	ug/l	99
37) Ethyl Acetate	7.082	43	2853	2.330	ug/l	97
38) Carbon Tetrachloride	7.911	117	5824	2.625	ug/l	95
39) Methylcyclohexane	9.185	83	6044	2.290	ug/l	92
40) Benzene	8.167	78	14901	2.499	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	1708m	2.151	ug/l	
42) 1,2-Dichloroethane	8.246	62	4996	2.601	ug/l	98
43) Isopropyl Acetate	8.277	43	5590	2.381	ug/l #	87
44) Trichloroethene	8.947	130	3947	2.563	ug/l	100
45) 1,2-Dichloropropane	9.222	63	3544	2.414	ug/l #	86
46) Dibromomethane	9.307	93	1904	2.436	ug/l	94
47) Bromodichloromethane	9.496	83	5165	2.567	ug/l	97
48) Methyl methacrylate	9.295	41	2539	2.254	ug/l	98
49) 1,4-Dioxane	9.307	88	368	36.089	ug/l #	92
51) 4-Methyl-2-Pentanone	10.075	43	13032	10.689	ug/l	99
52) Toluene	10.246	92	9202	2.488	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	5238	2.387	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	5653	2.344	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	2742	2.493	ug/l	94
56) Ethyl methacrylate	10.508	69	3638	2.176	ug/l	94
57) 1,3-Dichloropropane	10.794	76	4686	2.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	11260	13.748	ug/l	98
59) 2-Hexanone	10.837	43	8810	10.146	ug/l	96
60) Dibromochloromethane	10.983	129	3239	2.424	ug/l	96
61) 1,2-Dibromoethane	11.093	107	2406	2.311	ug/l	94
64) Tetrachloroethene	10.721	164	4644	2.936	ug/l	91
65) Chlorobenzene	11.520	112	9744	2.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	3726	2.598	ug/l	94
67) Ethyl Benzene	11.593	91	16844	2.296	ug/l	92
68) m/p-Xylenes	11.703	106	13278	4.770	ug/l	91
69) o-Xylene	12.032	106	5959	2.267	ug/l	98
70) Styrene	12.044	104	9973	2.234	ug/l	98
71) Bromoform	12.209	173	2158	2.420	ug/l #	99
73) Isopropylbenzene	12.331	105	16545	2.339	ug/l	97
74) N-amyl acetate	12.142	43	4299	1.958	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	2843	2.225	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	2495m	2.599	ug/l	
77) Bromobenzene	12.611	156	4172	2.515	ug/l	92
78) n-propylbenzene	12.672	91	20411	2.344	ug/l	99
79) 2-Chlorotoluene	12.757	91	11008	2.285	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	13657	2.309	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	1133m	2.320	ug/l	
82) 4-Chlorotoluene	12.855	91	11810	2.370	ug/l	97
83) tert-Butylbenzene	13.075	119	11399	2.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	13143	2.250	ug/l	97
85) sec-Butylbenzene	13.251	105	17778	2.326	ug/l	98
86) p-Isopropyltoluene	13.367	119	14291	2.216	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	8304	2.527	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	8651	2.670	ug/l	88
89) n-Butylbenzene	13.696	91	14208	2.319	ug/l	98
90) Hexachloroethane	13.965	117	2895	2.472	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	7345	2.556	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	622	2.556	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	4813	2.535	ug/l	98
94) Hexachlorobutadiene	15.111	225	3579	2.889	ug/l	97
95) Naphthalene	15.233	128	8517	2.258	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	4312	2.562	ug/l	99

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

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