

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031621\
 Data File : VY004089.D
 Acq On : 16 Mar 2021 11:45
 Operator : SY/MD
 Sample : M1458-01 2.5PPBLOD
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:46:16 AM

Quant Time: Mar 17 01:55:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 01:54:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	240042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	371659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	331636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	106971	45.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.32%
35) Dibromofluoromethane	7.728	113	103611	49.44	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.88%
50) Toluene-d8	10.185	98	395559	48.14	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.28%
62) 4-Bromofluorobenzene	12.483	95	143013	47.13	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.26%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	5556	2.88	ug/l	97
3) Chloromethane	2.119	50	7287	2.81	ug/l	93
4) Vinyl Chloride	2.259	62	7652	2.64	ug/l	99
5) Bromomethane	2.668	94	6165	3.33	ug/l	81
6) Chloroethane	2.802	64	4649	2.63	ug/l #	88
7) Trichlorofluoromethane	3.137	101	9746	2.53	ug/l	99
8) Diethyl Ether	3.540	74	3114	2.52	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.912	101	6006	2.78	ug/l	92
10) Methyl Iodide	4.101	142	5121	2.32	ug/l	98
11) Tert butyl alcohol	4.972	59	2961	13.83	ug/l #	76
12) 1,1-Dichloroethene	3.887	96	5450	2.58	ug/l	92
13) Acrolein	3.747	56	2056	9.68	ug/l	91
14) Allyl chloride	4.497	41	7399	2.12	ug/l #	81
15) Acrylonitrile	5.180	53	6524	10.62	ug/l	99
16) Acetone	3.960	43	6282	10.99	ug/l #	89
17) Carbon Disulfide	4.210	76	16128	2.60	ug/l #	95
18) Methyl Acetate	4.491	43	3778	2.67	ug/l	96
19) Methyl tert-butyl Ether	5.241	73	14543	2.42	ug/l	97
20) Methylene Chloride	4.741	84	9183	3.33	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	6467	2.73	ug/l	84
22) Diisopropyl ether	6.131	45	16307	2.21	ug/l #	93
23) Vinyl Acetate	6.076	43	49140	10.13	ug/l #	92
24) 1,1-Dichloroethane	6.033	63	9852	2.41	ug/l #	92
25) 2-Butanone	7.002	43	8690	10.54	ug/l	97
26) 2,2-Dichloropropane	6.990	77	8983	2.30	ug/l	94
27) cis-1,2-Dichloroethene	7.002	96	6713	2.49	ug/l	91
28) Bromochloromethane	7.344	49	4111	2.30	ug/l	87
29) Tetrahydrofuran	7.350	42	5936	11.09	ug/l	97
30) Chloroform	7.521	83	10500	2.48	ug/l	100
31) Cyclohexane	7.795	56	14346	3.45	ug/l #	69
32) 1,1,1-Trichloroethane	7.716	97	9567	2.43	ug/l	98
36) 1,1-Dichloropropene	7.929	75	8672	2.66	ug/l	97
37) Ethyl Acetate	7.088	43	4435	2.52	ug/l	96
38) Carbon Tetrachloride	7.905	117	8767	2.53	ug/l	97
39) Methylcyclohexane	9.191	83	10628	2.52	ug/l	93
40) Benzene	8.173	78	23528	2.56	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	3211	2.95	ug/l #	41
42) 1,2-Dichloroethane	8.252	62	6962	2.48	ug/l	98
43) Isopropyl Acetate	8.283	43	7638	2.16	ug/l #	93
44) Trichloroethene	8.947	130	7584	2.85	ug/l	99
45) 1,2-Dichloropropane	9.228	63	5630	2.45	ug/l	94
46) Dibromomethane	9.313	93	3176	2.42	ug/l	94
47) Bromodichloromethane	9.502	83	7966	2.43	ug/l	91
48) Methyl methacrylate	9.295	41	3650	2.18	ug/l #	92
49) 1,4-Dioxane	9.301	88	680	40.69	ug/l #	76
51) 4-Methyl-2-Pentanone	10.075	43	18347	10.26	ug/l	96
52) Toluene	10.246	92	15431	2.59	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	7774	2.25	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	9003	2.32	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	4593	2.49	ug/l	93
56) Ethyl methacrylate	10.514	69	5633	2.18	ug/l	91
57) 1,3-Dichloropropane	10.801	76	7857	2.49	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	13613	11.89	ug/l	97
59) 2-Hexanone	10.837	43	12770	10.17	ug/l	100
60) Dibromochloromethane	10.990	129	5768	2.49	ug/l	99
61) 1,2-Dibromoethane	11.093	107	4449	2.47	ug/l	98
64) Tetrachloroethene	10.721	164	8969	3.23	ug/l	93
65) Chlorobenzene	11.520	112	17065	2.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	6206	2.61	ug/l	98
67) Ethyl Benzene	11.599	91	29768	2.55	ug/l	94
68) m/p-Xylenes	11.703	106	22777	5.12	ug/l	97
69) o-Xylene	12.032	106	11045	2.63	ug/l	94
70) Styrene	12.050	104	18532	2.57	ug/l	94
71) Bromoform	12.215	173	3322	2.34	ug/l #	99
73) Isopropylbenzene	12.331	105	29362	2.52	ug/l	96
74) N-amyl acetate	12.148	43	6587	1.97	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	4431	2.19	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	3523m	2.19	ug/l	
77) Bromobenzene	12.611	156	7404	2.75	ug/l	97
78) n-propylbenzene	12.672	91	34263	2.49	ug/l	94
79) 2-Chlorotoluene	12.758	91	19945	2.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	25859	2.61	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	1651m	2.02	ug/l	
82) 4-Chlorotoluene	12.861	91	20665	2.53	ug/l	94
83) tert-Butylbenzene	13.081	119	21319	2.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	25407	2.56	ug/l	98
85) sec-Butylbenzene	13.257	105	30486	2.60	ug/l	97
86) p-Isopropyltoluene	13.373	119	28278	2.60	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	14893	2.86	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	14461	2.79	ug/l	88
89) n-Butylbenzene	13.696	91	26239	2.53	ug/l	98
90) Hexachloroethane	13.965	117	4720	2.41	ug/l	84
91) 1,2-Dichlorobenzene	13.745	146	12678	2.75	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	862	2.25	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	9017	2.88	ug/l	98
94) Hexachlorobutadiene	15.117	225	4608	2.63	ug/l	94
95) Naphthalene	15.239	128	17360	2.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	7582	2.88	ug/l	99

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

