

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068431.D
 Acq On : 24 Feb 2021 12:22
 Operator : VA/SY
 Sample : M1458-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:16:48 PM

Quant Time: Feb 25 00:39:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 25 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	322482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	562704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	517138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	230257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	174411	52.90	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.80%
35) Dibromofluoromethane	7.920	113	175817	52.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.28%
50) Toluene-d8	10.344	98	706904	51.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.12%
62) 4-Bromofluorobenzene	12.632	95	223079	49.47	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.94%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	17595	5.95	ug/l	85
3) Chloromethane	2.209	50	22657	6.44	ug/l	100
4) Vinyl Chloride	2.350	62	25897	6.15	ug/l	95
5) Bromomethane	2.773	94	18637	6.19	ug/l	89
6) Chloroethane	2.926	64	16817	6.11	ug/l	98
7) Trichlorofluoromethane	3.273	101	30354	5.86	ug/l	89
8) Diethyl Ether	3.720	74	8398	5.52	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	16652	5.28	ug/l	94
10) Methyl Iodide	4.309	142	15167	5.12	ug/l #	87
11) Tert butyl alcohol	5.214	59	5875m	35.54	ug/l	
12) 1,1-Dichloroethene	4.061	96	16256	5.30	ug/l	93
13) Acrolein	3.920	56	3649	19.31	ug/l #	71
14) Allyl chloride	4.726	41	20588	5.16	ug/l	94
15) Acrylonitrile	5.420	53	17035	25.93	ug/l #	88
16) Acetone	4.161	43	11728	23.06	ug/l #	63
17) Carbon Disulfide	4.403	76	54851	6.18	ug/l	97
18) Methyl Acetate	4.714	43	8921	6.39	ug/l	90
19) Methyl tert-butyl Ether	5.479	73	34410	4.97	ug/l	94
20) Methylene Chloride	4.967	84	26878	6.64	ug/l	96
21) trans-1,2-Dichloroethene	5.485	96	19370	5.46	ug/l	94
22) Diisopropyl ether	6.355	45	39015	4.42	ug/l #	91
23) Vinyl Acetate	6.314	43	88772	19.48	ug/l	97
24) 1,1-Dichloroethane	6.273	63	31238	5.17	ug/l	96
25) 2-Butanone	7.220	43	17455	24.54	ug/l	95
26) 2,2-Dichloropropane	7.208	77	24330	4.71	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	19551	4.85	ug/l	92
28) Bromochloromethane	7.550	49	11000	4.39	ug/l #	80
29) Tetrahydrofuran	7.573	42	10468	22.76	ug/l	98
30) Chloroform	7.708	83	32360	5.15	ug/l #	81
31) Cyclohexane	7.985	56	30252	5.57	ug/l #	76
32) 1,1,1-Trichloroethane	7.908	97	27169	5.01	ug/l	97
36) 1,1-Dichloropropene	8.114	75	24910	5.00	ug/l	96
37) Ethyl Acetate	7.302	43	7298	4.34	ug/l #	94
38) Carbon Tetrachloride	8.102	117	23327	4.91	ug/l	95
39) Methylcyclohexane	9.355	83	30327	4.97	ug/l	96
40) Benzene	8.355	78	69521	4.90	ug/l	92

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	3377	3.49	ug/l #	74
42) 1,2-Dichloroethane	8.426	62	19249	5.08	ug/l	99
43) Isopropyl Acetate	8.455	43	14892	4.62	ug/l #	86
44) Trichloroethene	9.114	130	20360	5.27	ug/l	94
45) 1,2-Dichloropropane	9.391	63	16744	4.83	ug/l	94
46) Dibromomethane	9.473	93	9446	5.03	ug/l	89
47) Bromodichloromethane	9.667	83	23314	4.78	ug/l	96
48) Methyl methacrylate	9.461	41	6839	4.25	ug/l	87
49) 1,4-Dioxane	9.461	88	2378	108.29	ug/l #	83
51) 4-Methyl-2-Pentanone	10.232	43	37902	22.91	ug/l	98
52) Toluene	10.402	92	46416	5.08	ug/l	100
53) t-1,3-Dichloropropene	10.626	75	20614	4.57	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	26490	4.81	ug/l	98
55) 1,1,2-Trichloroethane	10.808	97	12766	4.92	ug/l	91
56) Ethyl methacrylate	10.661	69	14195	4.61	ug/l	98
57) 1,3-Dichloropropane	10.949	76	21831	4.79	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	37843	22.94	ug/l	90
59) 2-Hexanone	10.985	43	24169	21.61	ug/l	94
60) Dibromochloromethane	11.143	129	15487	4.81	ug/l	96
61) 1,2-Dibromoethane	11.249	107	12183	4.86	ug/l	98
64) Tetrachloroethene	10.873	164	17384	5.46	ug/l	95
65) Chlorobenzene	11.673	112	48088	4.84	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.743	131	15378	4.43	ug/l	94
67) Ethyl Benzene	11.743	91	80903	4.54	ug/l	98
68) m/p-Xylenes	11.855	106	61274	9.09	ug/l	98
69) o-Xylene	12.179	106	26978	4.36	ug/l	94
70) Styrene	12.196	104	46893	4.36	ug/l	98
71) Bromoform	12.361	173	8355	4.69	ug/l #	94
73) Isopropylbenzene	12.479	105	76449	4.55	ug/l	100
74) N-amyl acetate	12.290	43	12527	4.22	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	14107	4.84	ug/l	97
76) 1,2,3-Trichloropropane	12.785	75	7893m	3.60	ug/l	
77) Bromobenzene	12.761	156	17932	4.77	ug/l	86
78) n-propylbenzene	12.820	91	91539	4.55	ug/l	99
79) 2-Chlorotoluene	12.908	91	51961	4.66	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	61348	4.46	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	3676	4.21	ug/l	99
82) 4-Chlorotoluene	13.002	91	54131	4.59	ug/l	94
83) tert-Butylbenzene	13.220	119	55306	4.64	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	61730	4.51	ug/l	99
85) sec-Butylbenzene	13.402	105	74094	4.44	ug/l	99
86) p-Isopropyltoluene	13.514	119	66507	4.44	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	33175	4.56	ug/l	96
88) 1,4-Dichlorobenzene	13.596	146	34592	4.78	ug/l	90
89) n-Butylbenzene	13.843	91	67740	4.64	ug/l	96
90) Hexachloroethane	14.108	117	12744	4.69	ug/l	91
91) 1,2-Dichlorobenzene	13.884	146	30913	4.90	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	2038	4.78	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	23537	5.70	ug/l	98
94) Hexachlorobutadiene	15.261	225	12054	5.31	ug/l	92
95) Naphthalene	15.396	128	40223	5.24	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	19082	5.30	ug/l	99

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

