

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068430.D
 Acq On : 24 Feb 2021 11:54
 Operator : VA/SY
 Sample : M1458-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:16:46 PM

Quant Time: Feb 25 00:38:26 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	334158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	589128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	529327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	236807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	182569	53.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.88%			
35) Dibromofluoromethane	7.920	113	187148	53.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.04%			
50) Toluene-d8	10.344	98	750486	51.78	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.56%			
62) 4-Bromofluorobenzene	12.632	95	233066	49.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	11150	3.64	ug/l	95
3) Chloromethane	2.209	50	11538	3.16	ug/l	95
4) Vinyl Chloride	2.350	62	14298	3.28	ug/l	99
5) Bromomethane	2.779	94	10920	3.50	ug/l #	76
6) Chloroethane	2.921	64	9528	3.34	ug/l	99
7) Trichlorofluoromethane	3.273	101	17412	3.24	ug/l	100
8) Diethyl Ether	3.709	74	4506	2.86	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	10523	3.22	ug/l	97
10) Methyl Iodide	4.315	142	9354	3.05	ug/l #	44
11) Tert butyl alcohol	5.203	59	8138m	47.52	ug/l	
12) 1,1-Dichloroethene	4.062	96	10101	3.18	ug/l #	91
13) Acrolein	3.926	56	2562	13.08	ug/l #	63
14) Allyl chloride	4.720	41	13396	3.24	ug/l	98
15) Acrylonitrile	5.426	53	9755	14.33	ug/l #	87
16) Acetone	4.156	43	8467	16.06	ug/l	97
17) Carbon Disulfide	4.420	76	31607	3.43	ug/l	100
18) Methyl Acetate	4.726	43	5256	3.63	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	22000	3.07	ug/l	96
20) Methylene Chloride	4.967	84	18113	4.32	ug/l #	87
21) trans-1,2-Dichloroethene	5.479	96	12758	3.47	ug/l	98
22) Diisopropyl ether	6.373	45	25959	2.84	ug/l	89
23) Vinyl Acetate	6.309	43	54394	11.52	ug/l	95
24) 1,1-Dichloroethane	6.267	63	18923	3.02	ug/l #	86
25) 2-Butanone	7.220	43	10992	14.92	ug/l #	82
26) 2,2-Dichloropropane	7.197	77	16263	3.04	ug/l	94
27) cis-1,2-Dichloroethene	7.214	96	12951	3.10	ug/l	97
28) Bromochloromethane	7.544	49	6521	2.51	ug/l #	85
29) Tetrahydrofuran	7.567	42	6826	14.32	ug/l #	86
30) Chloroform	7.708	83	19943	3.06	ug/l	95
31) Cyclohexane	7.985	56	22746	4.04	ug/l #	78
32) 1,1,1-Trichloroethane	7.903	97	17443	3.10	ug/l	93
36) 1,1-Dichloropropene	8.108	75	16046	3.08	ug/l	98
37) Ethyl Acetate	7.297	43	5099	2.90	ug/l #	68
38) Carbon Tetrachloride	8.097	117	14219	2.86	ug/l	97
39) Methylcyclohexane	9.355	83	19727	3.09	ug/l	94
40) Benzene	8.350	78	45973	3.09	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	2970	2.93	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	12518	3.16	ug/l	97
43) Isopropyl Acetate	8.456	43	8773	2.60	ug/l #	82
44) Trichloroethene	9.114	130	12419	3.07	ug/l	91
45) 1,2-Dichloropropane	9.385	63	10362	2.86	ug/l #	88
46) Dibromomethane	9.479	93	6162	3.13	ug/l #	85
47) Bromodichloromethane	9.661	83	14254	2.79	ug/l #	84
48) Methyl methacrylate	9.455	41	4388	2.61	ug/l #	84
49) 1,4-Dioxane	9.461	88	1333	57.98	ug/l #	94
51) 4-Methyl-2-Pentanone	10.232	43	22542	13.01	ug/l	99
52) Toluene	10.408	92	28787	3.01	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	14030	2.97	ug/l	92
54) cis-1,3-Dichloropropene	10.091	75	16690	2.89	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	7855	2.89	ug/l	91
56) Ethyl methacrylate	10.661	69	7809	2.42	ug/l	95
57) 1,3-Dichloropropane	10.949	76	13106	2.75	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	22364	12.95	ug/l	96
59) 2-Hexanone	10.985	43	14314	12.23	ug/l	97
60) Dibromochloromethane	11.144	129	9360	2.77	ug/l	96
61) 1,2-Dibromoethane	11.249	107	7578	2.88	ug/l	99
64) Tetrachloroethene	10.879	164	10631	3.26	ug/l	94
65) Chlorobenzene	11.673	112	29879	2.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	9757	2.75	ug/l	96
67) Ethyl Benzene	11.744	91	52835	2.90	ug/l	93
68) m/p-Xylenes	11.855	106	39366	5.71	ug/l	98
69) o-Xylene	12.185	106	17479	2.76	ug/l	99
70) Styrene	12.196	104	28789	2.62	ug/l	98
71) Bromoform	12.355	173	4843	2.65	ug/l #	99
73) Isopropylbenzene	12.479	105	47372	2.74	ug/l	99
74) N-amyl acetate	12.291	43	7386	2.42	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	8068	2.69	ug/l	92
76) 1,2,3-Trichloropropane	12.785	75	5150m	2.29	ug/l	
77) Bromobenzene	12.761	156	10904	2.82	ug/l	92
78) n-propylbenzene	12.820	91	60393	2.92	ug/l	99
79) 2-Chlorotoluene	12.908	91	31794	2.77	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	38875	2.75	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	2458m	2.73	ug/l	
82) 4-Chlorotoluene	13.002	91	34020	2.81	ug/l	97
83) tert-Butylbenzene	13.220	119	34584	2.82	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	37534	2.67	ug/l	93
85) sec-Butylbenzene	13.396	105	48377	2.82	ug/l	99
86) p-Isopropyltoluene	13.514	119	42929	2.79	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	20894	2.79	ug/l	95
88) 1,4-Dichlorobenzene	13.596	146	21991	2.96	ug/l	90
89) n-Butylbenzene	13.838	91	41669	2.77	ug/l	96
90) Hexachloroethane	14.114	117	8405	3.01	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	19405	2.99	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1563	3.57	ug/l	77
93) 1,2,4-Trichlorobenzene	15.161	180	14672	3.46	ug/l	90
94) Hexachlorobutadiene	15.261	225	8455	3.62	ug/l	97
95) Naphthalene	15.396	128	25816	3.27	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	12805	3.46	ug/l	97

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

