

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031221\
 Data File : VD068602.D
 Acq On : 12 Mar 2021 13:12
 Operator : VA/SY
 Sample : MDL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:39:51 PM

Quant Time: Mar 13 00:22:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 00:21:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	270396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	467231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	429009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	234143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139575	51.66	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.32%			
35) Dibromofluoromethane	7.920	113	146711	52.12	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.24%			
50) Toluene-d8	10.344	98	542068	48.35	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.70%			
62) 4-Bromofluorobenzene	12.632	95	184618	51.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.20%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	7357	2.80	ug/l	83
3) Chloromethane	2.209	50	9883	2.98	ug/l #	86
4) Vinyl Chloride	2.350	62	11930	3.03	ug/l	92
5) Bromomethane	2.774	94	8873	3.16	ug/l	87
6) Chloroethane	2.926	64	7596	2.98	ug/l	94
7) Trichlorofluoromethane	3.285	101	15123	3.37	ug/l	85
8) Diethyl Ether	3.715	74	4322	3.23	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.097	101	8452	3.09	ug/l	97
10) Methyl Iodide	4.309	142	6267	2.16	ug/l #	96
11) Tert butyl alcohol	5.197	59	6859	47.55	ug/l #	74
12) 1,1-Dichloroethene	4.074	96	8074	2.97	ug/l #	70
13) Acrolein	3.938	56	2163	10.49	ug/l	91
14) Allyl chloride	4.726	41	9529	2.72	ug/l	97
15) Acrylonitrile	5.432	53	9142	16.20	ug/l #	93
16) Acetone	4.168	43	5764	13.43	ug/l #	80
17) Carbon Disulfide	4.415	76	25147	2.83	ug/l #	94
18) Methyl Acetate	4.732	43	3365	3.04	ug/l #	75
19) Methyl tert-butyl Ether	5.473	73	17632m	2.99	ug/l	
20) Methylene Chloride	4.962	84	20653	5.67	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	10595	3.27	ug/l	95
22) Diisopropyl ether	6.362	45	19557	2.53	ug/l #	82
23) Vinyl Acetate	6.309	43	41632	10.39	ug/l	97
24) 1,1-Dichloroethane	6.268	63	14426	2.73	ug/l	94
25) 2-Butanone	7.226	43	9187	14.89	ug/l #	83
26) 2,2-Dichloropropane	7.209	77	13717	3.11	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	9759	2.74	ug/l	95
28) Bromochloromethane	7.556	49	5979	2.89	ug/l	99
29) Tetrahydrofuran	7.567	42	5528	13.80	ug/l #	73
30) Chloroform	7.714	83	15903	2.85	ug/l	97
31) Cyclohexane	7.979	56	17377	3.54	ug/l #	82
32) 1,1,1-Trichloroethane	7.903	97	14332	3.00	ug/l	94
36) 1,1-Dichloropropene	8.114	75	12344	2.78	ug/l	90
37) Ethyl Acetate	7.303	43	3656m	2.48	ug/l	
38) Carbon Tetrachloride	8.097	117	11585	2.78	ug/l #	89
39) Methylcyclohexane	9.356	83	14025	2.56	ug/l #	87
40) Benzene	8.356	78	36309	2.85	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2257	2.64	ug/l #	72
42) 1,2-Dichloroethane	8.426	62	9892	2.95	ug/l	98
43) Isopropyl Acetate	8.450	43	7431	2.74	ug/l	96
44) Trichloroethene	9.120	130	10059	2.88	ug/l	89
45) 1,2-Dichloropropane	9.385	63	8888	2.92	ug/l	94
46) Dibromomethane	9.479	93	4495	2.71	ug/l	94
47) Bromodichloromethane	9.661	83	12033	2.81	ug/l #	96
48) Methyl methacrylate	9.456	41	3314	2.30	ug/l #	82
49) 1,4-Dioxane	9.467	88	650	34.40	ug/l #	65
51) 4-Methyl-2-Pentanone	10.226	43	17161	12.11	ug/l	98
52) Toluene	10.408	92	23868	2.93	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	11422	2.88	ug/l	96
54) cis-1,3-Dichloropropene	10.097	75	12536	2.59	ug/l #	92
55) 1,1,2-Trichloroethane	10.803	97	6906	3.01	ug/l #	88
56) Ethyl methacrylate	10.667	69	6211	2.36	ug/l	97
57) 1,3-Dichloropropane	10.944	76	10955	2.74	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.944	63	17641	13.34	ug/l	94
59) 2-Hexanone	10.985	43	11440	12.11	ug/l	97
60) Dibromochloromethane	11.144	129	7645	2.69	ug/l	89
61) 1,2-Dibromoethane	11.244	107	6260	2.79	ug/l	88
64) Tetrachloroethene	10.879	164	9353	3.34	ug/l	86
65) Chlorobenzene	11.673	112	24646	2.82	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.738	131	8541	2.81	ug/l	89
67) Ethyl Benzene	11.744	91	41911	2.69	ug/l	95
68) m/p-Xylenes	11.855	106	30736	5.19	ug/l	98
69) o-Xylene	12.179	106	14554	2.67	ug/l	92
70) Styrene	12.197	104	23440	2.51	ug/l	98
71) Bromoform	12.361	173	4314	2.80	ug/l #	99
73) Isopropylbenzene	12.479	105	36555	2.10	ug/l	100
74) N-amyl acetate	12.285	43	5981	2.02	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	7672	2.57	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	5405m	2.60	ug/l	
77) Bromobenzene	12.755	156	10549	2.66	ug/l	96
78) n-propylbenzene	12.814	91	49117	2.37	ug/l	96
79) 2-Chlorotoluene	12.908	91	27784	2.41	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	31079	2.18	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.526	75	2239m	2.51	ug/l	
82) 4-Chlorotoluene	13.002	91	27203	2.24	ug/l	95
83) tert-Butylbenzene	13.220	119	27568	2.27	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	31106	2.18	ug/l	100
85) sec-Butylbenzene	13.402	105	40869	2.39	ug/l	98
86) p-Isopropyltoluene	13.508	119	38371	2.47	ug/l	97
87) 1,3-Dichlorobenzene	13.514	146	21670	2.83	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	21844	2.88	ug/l	87
89) n-Butylbenzene	13.838	91	35233	2.35	ug/l	99
90) Hexachloroethane	14.102	117	7407	2.40	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	18388	2.80	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.508	75	1446	2.75	ug/l	75
93) 1,2,4-Trichlorobenzene	15.155	180	12372	2.44	ug/l	91
94) Hexachlorobutadiene	15.261	225	7956	2.83	ug/l	94
95) Naphthalene	15.396	128	19452	2.12	ug/l	97
96) 1,2,3-Trichlorobenzene	15.591	180	11422	2.60	ug/l	91

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

