

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068307.D
 Acq On : 05 Feb 2021 18:35
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:51:31 AM

Quant Time: Feb 05 21:44:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	386006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	665636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	594035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	279521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166243	45.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.04%		
35) Dibromofluoromethane	7.920	113	183256	49.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.60%		
50) Toluene-d8	10.344	98	640069	43.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.96%		
62) 4-Bromofluorobenzene	12.632	95	239436	45.17	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.34%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	87018	18.98	ug/l	98
3) Chloromethane	2.209	50	100218	20.30	ug/l	98
4) Vinyl Chloride	2.350	62	118245	21.53	ug/l	98
5) Bromomethane	2.762	94	89264	23.70	ug/l	99
6) Chloroethane	2.920	64	79166	23.59	ug/l	96
7) Trichlorofluoromethane	3.279	101	151389	21.00	ug/l	99
8) Diethyl Ether	3.709	74	44059	20.76	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	91299	21.71	ug/l	95
10) Methyl Iodide	4.309	142	81685	19.38	ug/l	93
11) Tert butyl alcohol	5.220	59	39038	71.28	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	88728	20.98	ug/l	96
13) Acrolein	3.926	56	25450	87.46	ug/l	94
14) Allyl chloride	4.720	41	113118	18.39	ug/l	98
15) Acrylonitrile	5.426	53	89146	106.02	ug/l	98
16) Acetone	4.162	43	63166	95.80	ug/l	92
17) Carbon Disulfide	4.414	76	251395	18.46	ug/l	99
18) Methyl Acetate	4.726	43	34593	20.22	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	202637	20.73	ug/l	95
20) Methylene Chloride	4.967	84	112226	22.15	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	104805	21.59	ug/l	95
22) Diisopropyl ether	6.367	45	245193	19.75	ug/l	97
23) Vinyl Acetate	6.308	43	640145	96.75	ug/l	98
24) 1,1-Dichloroethane	6.267	63	171119	21.28	ug/l	99
25) 2-Butanone	7.214	43	94293	94.98	ug/l	100
26) 2,2-Dichloropropane	7.208	77	146759	19.29	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	115603	21.93	ug/l	97
28) Bromochloromethane	7.550	49	61575	22.47	ug/l	85
29) Tetrahydrofuran	7.567	42	59398	92.30	ug/l	97
30) Chloroform	7.714	83	180034	22.15	ug/l	98
31) Cyclohexane	7.985	56	146831	18.36	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	158515	21.64	ug/l	96
36) 1,1-Dichloropropene	8.114	75	135928	20.25	ug/l	98
37) Ethyl Acetate	7.297	43	46883	19.75	ug/l	96
38) Carbon Tetrachloride	8.097	117	132409	21.07	ug/l	97
39) Methylcyclohexane	9.355	83	171971	19.60	ug/l	98
40) Benzene	8.355	78	398557	21.24	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	29299m	20.45	ug/l	
42) 1,2-Dichloroethane	8.426	62	109897	21.91	ug/l	97
43) Isopropyl Acetate	8.455	43	89471	18.08	ug/l	98
44) Trichloroethene	9.114	130	112475	21.82	ug/l	97
45) 1,2-Dichloropropane	9.391	63	97822	21.28	ug/l	93
46) Dibromomethane	9.479	93	52278	22.45	ug/l	96
47) Bromodichloromethane	9.667	83	138381	22.02	ug/l	99
48) Methyl methacrylate	9.461	41	41905	17.01	ug/l	88
49) 1,4-Dioxane	9.467	88	11427	418.71	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	224239	97.49	ug/l	100
52) Toluene	10.408	92	260041	21.27	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	126083	19.82	ug/l	98
54) cis-1,3-Dichloropropene	10.096	75	154109	20.35	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	75739	22.95	ug/l	95
56) Ethyl methacrylate	10.661	69	87514	19.91	ug/l	95
57) 1,3-Dichloropropane	10.949	76	126646	21.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	225376	111.09	ug/l	96
59) 2-Hexanone	10.985	43	149706	93.89	ug/l	99
60) Dibromochloromethane	11.143	129	91854	22.20	ug/l	100
61) 1,2-Dibromoethane	11.249	107	72718	22.33	ug/l	98
64) Tetrachloroethene	10.879	164	91789	21.92	ug/l	97
65) Chlorobenzene	11.673	112	280870	22.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	101320	22.82	ug/l	97
67) Ethyl Benzene	11.743	91	496399	21.24	ug/l	99
68) m/p-Xylenes	11.855	106	377258	42.76	ug/l	99
69) o-Xylene	12.179	106	179701	21.93	ug/l	94
70) Styrene	12.196	104	303109	21.67	ug/l	99
71) Bromoform	12.361	173	51646	22.95	ug/l #	97
73) Isopropylbenzene	12.479	105	481474	20.70	ug/l	99
74) N-amyl acetate	12.290	43	83123	17.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	79854	21.59	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	57194m	21.16	ug/l	
77) Bromobenzene	12.761	156	111418	22.34	ug/l	94
78) n-propylbenzene	12.820	91	564512	20.51	ug/l	97
79) 2-Chlorotoluene	12.908	91	311989	20.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	394557	20.37	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	22556	16.89	ug/l	94
82) 4-Chlorotoluene	13.002	91	331764	20.65	ug/l	98
83) tert-Butylbenzene	13.220	119	342113	20.84	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	394522	20.52	ug/l	99
85) sec-Butylbenzene	13.402	105	472611	20.58	ug/l	99
86) p-Isopropyltoluene	13.514	119	425904	20.39	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	206385	21.53	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	203201	21.51	ug/l	97
89) n-Butylbenzene	13.843	91	402291	20.07	ug/l	98
90) Hexachloroethane	14.108	117	73474	19.48	ug/l	93
91) 1,2-Dichlorobenzene	13.890	146	179723	21.89	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	12437	20.54	ug/l	83
93) 1,2,4-Trichlorobenzene	15.161	180	119403	21.21	ug/l	100
94) Hexachlorobutadiene	15.267	225	66502	21.31	ug/l	97
95) Naphthalene	15.396	128	216436	20.50	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	101984	21.48	ug/l	96

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

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