

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068095.D
 Acq On : 19 Jan 2021 17:26
 Operator : VA/SY
 Sample : VD0119SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2021 4:57:04 PM

Quant Time: Jan 20 00:30:54 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	7.985	168	477006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	840770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	762010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	344981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	231511	50.74	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.48%
35) Dibromofluoromethane	7.920	113	231537	49.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.62%
50) Toluene-d8	10.344	98	871357	46.86	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.72%
62) 4-Bromofluorobenzene	12.632	95	325717	48.65	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.30%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	116530	20.57	ug/l	100
3) Chloromethane	2.215	50	132456	21.71	ug/l	97
4) Vinyl Chloride	2.356	62	142303	20.97	ug/l	96
5) Bromomethane	2.762	94	105517	22.67	ug/l	100
6) Chloroethane	2.926	64	90623	21.86	ug/l	100
7) Trichlorofluoromethane	3.279	101	177325	19.90	ug/l	97
8) Diethyl Ether	3.715	74	56349	21.48	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	102720	19.77	ug/l	94
10) Methyl Iodide	4.309	142	102615	19.65	ug/l	93
11) Tert butyl alcohol	5.220	59	56023	96.94	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	105003	20.09	ug/l	94
13) Acrolein	3.926	56	39653	110.27	ug/l	97
14) Allyl chloride	4.720	41	161737	21.28	ug/l	96
15) Acrylonitrile	5.432	53	113236	108.98	ug/l	99
16) Acetone	4.162	43	82153	100.83	ug/l	98
17) Carbon Disulfide	4.415	76	340884	20.25	ug/l	99
18) Methyl Acetate	4.726	43	47013	22.23	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	260497	21.56	ug/l	94
20) Methylene Chloride	4.973	84	137041	21.84	ug/l	89
21) trans-1,2-Dichloroethene	5.485	96	124004	20.67	ug/l	91
22) Diisopropyl ether	6.367	45	327346	21.34	ug/l #	93
23) Vinyl Acetate	6.309	43	879216	107.53	ug/l	95
24) 1,1-Dichloroethane	6.267	63	208517	20.98	ug/l	99
25) 2-Butanone	7.214	43	127014	103.53	ug/l	97
26) 2,2-Dichloropropane	7.214	77	188968	20.10	ug/l	99
27) cis-1,2-Dichloroethene	7.220	96	139696	21.45	ug/l	92
28) Bromochloromethane	7.550	49	77760	22.96	ug/l #	76
29) Tetrahydrofuran	7.567	42	82858	104.19	ug/l	96
30) Chloroform	7.714	83	212577	21.17	ug/l	97
31) Cyclohexane	7.991	56	191656	19.40	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	186807	20.64	ug/l	95
36) 1,1-Dichloropropene	8.120	75	166281	19.61	ug/l	96
37) Ethyl Acetate	7.291	43	62271	20.76	ug/l	95
38) Carbon Tetrachloride	8.103	117	152009	19.15	ug/l	100
39) Methylcyclohexane	9.361	83	208754	18.83	ug/l	96
40) Benzene	8.355	78	482199	20.34	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	32957	18.21	ug/l #	86
42) 1,2-Dichloroethane	8.432	62	133286	21.04	ug/l	99
43) Isopropyl Acetate	8.456	43	131608	21.06	ug/l	94
44) Trichloroethene	9.114	130	128990	19.81	ug/l	97
45) 1,2-Dichloropropane	9.391	63	116095	20.00	ug/l	99
46) Dibromomethane	9.479	93	61399	20.87	ug/l	93
47) Bromodichloromethane	9.667	83	162690	20.50	ug/l	97
48) Methyl methacrylate	9.461	41	59400	19.09	ug/l	94
49) 1,4-Dioxane	9.461	88	13524	392.32	ug/l #	78
51) 4-Methyl-2-Pentanone	10.232	43	308136	106.06	ug/l	96
52) Toluene	10.408	92	309356	20.03	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	164526	20.48	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	192981	20.18	ug/l	93
55) 1,1,2-Trichloroethane	10.802	97	86554	20.76	ug/l	94
56) Ethyl methacrylate	10.661	69	114316	20.59	ug/l	93
57) 1,3-Dichloropropane	10.949	76	150756	20.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	277914	108.45	ug/l	93
59) 2-Hexanone	10.985	43	205720	102.15	ug/l	97
60) Dibromochloromethane	11.144	129	109047	20.86	ug/l	99
61) 1,2-Dibromoethane	11.249	107	84221	20.48	ug/l	98
64) Tetrachloroethene	10.879	164	103427	19.26	ug/l	94
65) Chlorobenzene	11.673	112	324253	20.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	115473	20.28	ug/l	98
67) Ethyl Benzene	11.744	91	595024	19.85	ug/l	96
68) m/p-Xylenes	11.855	106	449365	39.70	ug/l	100
69) o-Xylene	12.179	106	209774	19.96	ug/l	98
70) Styrene	12.196	104	356332	19.86	ug/l	98
71) Bromoform	12.367	173	56510	19.58	ug/l #	100
73) Isopropylbenzene	12.479	105	562971	19.61	ug/l	99
74) N-amyl acetate	12.285	43	122461	20.52	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	93696	20.52	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	57584m	17.26	ug/l	
77) Bromobenzene	12.761	156	124801	20.28	ug/l	87
78) n-propylbenzene	12.820	91	659084	19.41	ug/l	97
79) 2-Chlorotoluene	12.908	91	379321	19.89	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	469780	19.65	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.532	75	32186	19.53	ug/l	96
82) 4-Chlorotoluene	13.002	91	402862	20.32	ug/l	97
83) tert-Butylbenzene	13.220	119	393075	19.40	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	462263	19.48	ug/l	98
85) sec-Butylbenzene	13.402	105	537304	18.96	ug/l	98
86) p-Isopropyltoluene	13.514	119	495076	19.21	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	233235	19.71	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	230975	19.81	ug/l	97
89) n-Butylbenzene	13.843	91	469201	18.97	ug/l	99
90) Hexachloroethane	14.108	117	90086	19.35	ug/l	89
91) 1,2-Dichlorobenzene	13.885	146	201865	19.92	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	15164	20.29	ug/l	82
93) 1,2,4-Trichlorobenzene	15.161	180	137369	19.77	ug/l	98
94) Hexachlorobutadiene	15.267	225	71644	18.60	ug/l	99
95) Naphthalene	15.396	128	259742	19.94	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	115377	19.69	ug/l	98

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

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