

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070377.D
 Acq On : 20 Sep 2021 11:58
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 6:59:28 PM

Quant Time: Sep 21 03:32:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	354101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	631496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	593414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	286981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205714	45.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.914	113	209602	46.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.260%		
50) Toluene-d8	10.338	98	823348	50.449	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.900%		
62) 4-Bromofluorobenzene	12.620	95	271796	47.652	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	87191	22.149	ug/l	90
3) Chloromethane	2.209	50	110787	20.762	ug/l	99
4) Vinyl Chloride	2.350	62	122363	21.963	ug/l	97
5) Bromomethane	2.756	94	83712	21.809	ug/l	93
6) Chloroethane	2.915	64	76600	20.590	ug/l	95
7) Trichlorofluoromethane	3.268	101	157193	21.332	ug/l	94
8) Diethyl Ether	3.709	74	37868	18.589	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	98911	21.609	ug/l	99
10) Methyl Iodide	4.297	142	75467	17.897	ug/l	99
11) Tert butyl alcohol	5.220	59	20509	39.894	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	83983	20.372	ug/l	96
13) Acrolein	3.921	56	13556	59.975	ug/l	89
14) Allyl chloride	4.715	41	114953	18.976	ug/l	99
15) Acrylonitrile	5.420	53	84879	87.451	ug/l	99
16) Acetone	4.156	43	72226	88.975	ug/l	99
17) Carbon Disulfide	4.409	76	306887	20.176	ug/l	98
18) Methyl Acetate	4.715	43	40170	17.032	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	156727	17.592	ug/l	92
20) Methylene Chloride	4.962	84	130922	21.783	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	96859	19.737	ug/l	95
22) Diisopropyl ether	6.356	45	250398	19.312	ug/l	95
23) Vinyl Acetate	6.303	43	512345	85.295	ug/l	95
24) 1,1-Dichloroethane	6.262	63	183381	19.989	ug/l	98
25) 2-Butanone	7.214	43	91473	84.652	ug/l	97
26) 2,2-Dichloropropane	7.209	77	151360	20.411	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	101350	19.226	ug/l	96
28) Bromochloromethane	7.544	49	64549	17.733	ug/l	93
29) Tetrahydrofuran	7.561	42	58130	83.802	ug/l	95
30) Chloroform	7.709	83	187050	19.888	ug/l	97
31) Cyclohexane	7.985	56	156846	20.026	ug/l #	93
32) 1,1,1-Trichloroethane	7.903	97	163103	20.603	ug/l	97
36) 1,1-Dichloropropene	8.109	75	141936	21.028	ug/l	98
37) Ethyl Acetate	7.291	43	42361	16.783	ug/l	98
38) Carbon Tetrachloride	8.097	117	141264	21.161	ug/l	98
39) Methylcyclohexane	9.350	83	151929	20.148	ug/l	90
40) Benzene	8.350	78	408455	20.649	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070377.D
 Acq On : 20 Sep 2021 11:58
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 6:59:28 PM

Quant Time: Sep 21 03:32:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24003	18.075	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	105207	19.858	ug/l	98
43) Isopropyl Acetate	8.450	43	82322	17.640	ug/l	97
44) Trichloroethene	9.114	130	96416	20.395	ug/l	96
45) 1,2-Dichloropropane	9.385	63	106755	20.571	ug/l	92
46) Dibromomethane	9.473	93	50733	18.984	ug/l	99
47) Bromodichloromethane	9.656	83	136943	20.086	ug/l	98
48) Methyl methacrylate	9.450	41	33271	15.441	ug/l #	87
49) 1,4-Dioxane	9.461	88	10117	377.970	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	209168	86.614	ug/l	97
52) Toluene	10.397	92	256731	21.480	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	114511	19.526	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	139947	19.608	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	70760	19.247	ug/l	94
56) Ethyl methacrylate	10.655	69	71783	17.886	ug/l	97
57) 1,3-Dichloropropane	10.938	76	119651	19.117	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	180437	93.281	ug/l	98
59) 2-Hexanone	10.979	43	147243	91.385	ug/l	92
60) Dibromochloromethane	11.132	129	83151	19.435	ug/l	98
61) 1,2-Dibromoethane	11.238	107	65629	19.411	ug/l	99
64) Tetrachloroethene	10.873	164	79408	21.979	ug/l	93
65) Chlorobenzene	11.661	112	255135	20.754	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	97147	21.577	ug/l	97
67) Ethyl Benzene	11.738	91	446808	21.074	ug/l	99
68) m/p-Xylenes	11.844	106	356084	43.487	ug/l	98
69) o-Xylene	12.173	106	151496	20.652	ug/l	98
70) Styrene	12.185	104	274353	21.409	ug/l	99
71) Bromoform	12.349	173	44234	19.878	ug/l #	97
73) Isopropylbenzene	12.473	105	406617	20.204	ug/l	99
74) N-amyl acetate	12.279	43	76504	17.446	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	82508	19.141	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	48434m	16.685	ug/l	
77) Bromobenzene	12.749	156	91929	19.798	ug/l	99
78) n-propylbenzene	12.808	91	548612	21.002	ug/l	99
79) 2-Chlorotoluene	12.897	91	315417	20.716	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	362208	20.853	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	20988	18.116	ug/l	99
82) 4-Chlorotoluene	12.996	91	333778	20.780	ug/l	100
83) tert-Butylbenzene	13.214	119	286360	20.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	360236	21.061	ug/l	99
85) sec-Butylbenzene	13.391	105	461662	20.849	ug/l	98
86) p-Isopropyltoluene	13.502	119	373793	21.010	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	196538	20.331	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	196553	20.256	ug/l	99
89) n-Butylbenzene	13.832	91	358278	20.198	ug/l	99
90) Hexachloroethane	14.096	117	84319	20.703	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	170877	20.034	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11428	17.702	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	86553	18.792	ug/l	98
94) Hexachlorobutadiene	15.249	225	56427	19.973	ug/l	98
95) Naphthalene	15.385	128	137691	16.449	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	75302	18.530	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070377.D
 Acq On : 20 Sep 2021 11:58
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 6:59:28 PM

Quant Time: Sep 21 03:32:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

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

