

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071392.D
 Acq On : 20 Dec 2021 16:29
 Operator : VA/SY
 Sample : VD1220SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 20 20:53:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	263784	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	457868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	418717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	207245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159668	51.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.180%			
35) Dibromofluoromethane	7.914	113	150288	51.545	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.332	98	502169	45.259	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.520%			
62) 4-Bromofluorobenzene	12.626	95	190897	49.634	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	44892	19.957	ug/l	92
3) Chloromethane	2.209	50	65153	21.893	ug/l	90
4) Vinyl Chloride	2.350	62	75666	22.790	ug/l	96
5) Bromomethane	2.762	94	55295	23.103	ug/l	93
6) Chloroethane	2.921	64	53733	23.530	ug/l	96
7) Trichlorofluoromethane	3.273	101	96364	21.425	ug/l	97
8) Diethyl Ether	3.709	74	25388	20.821	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	56260	21.202	ug/l	93
10) Methyl Iodide	4.297	142	45304	17.907	ug/l	93
11) Tert butyl alcohol	5.185	59	29220m	103.079	ug/l	
12) 1,1-Dichloroethene	4.073	96	46760	19.095	ug/l #	78
13) Acrolein	3.920	56	15514	73.347	ug/l	87
14) Allyl chloride	4.720	41	93943	20.197	ug/l #	80
15) Acrylonitrile	5.415	53	67591	113.982	ug/l	98
16) Acetone	4.156	43	72124	107.740	ug/l	92
17) Carbon Disulfide	4.415	76	123900	17.281	ug/l	98
18) Methyl Acetate	4.709	43	55747	24.411	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	126027	21.000	ug/l	98
20) Methylene Chloride	4.962	84	135141	42.654	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	53309	19.339	ug/l	93
22) Diisopropyl ether	6.362	45	199685	21.427	ug/l	89
23) Vinyl Acetate	6.303	43	439464	104.927	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	117623	21.944	ug/l	98
25) 2-Butanone	7.209	43	91639	113.946	ug/l	92
26) 2,2-Dichloropropane	7.209	77	94845	19.459	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	62834	20.148	ug/l	89
28) Bromochloromethane	7.544	49	55859	23.993	ug/l	90
29) Tetrahydrofuran	7.556	42	55281	112.477	ug/l	92
30) Chloroform	7.709	83	118151	21.963	ug/l	99
31) Cyclohexane	7.979	56	96952	18.415	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	102103	21.140	ug/l #	93
36) 1,1-Dichloropropene	8.108	75	82574	19.296	ug/l	97
37) Ethyl Acetate	7.285	43	38249	20.692	ug/l	97
38) Carbon Tetrachloride	8.097	117	84963	20.141	ug/l	96
39) Methylcyclohexane	9.350	83	90279	17.540	ug/l	100
40) Benzene	8.344	78	232920	20.038	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071392.D
 Acq On : 20 Dec 2021 16:29
 Operator : VA/SY
 Sample : VD1220SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 20 20:53:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	20684	25.029	ug/l	88
42) 1,2-Dichloroethane	8.420	62	75029	21.146	ug/l	97
43) Isopropyl Acetate	8.444	43	74271	21.575	ug/l	91
44) Trichloroethene	9.108	130	61263	19.767	ug/l	100
45) 1,2-Dichloropropane	9.379	63	64756	21.184	ug/l	96
46) Dibromomethane	9.467	93	32216	20.313	ug/l	95
47) Bromodichloromethane	9.655	83	91888	21.908	ug/l #	98
48) Methyl methacrylate	9.456	41	38464	21.258	ug/l #	82
49) 1,4-Dioxane	9.461	88	7719	504.196	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	199314	114.547	ug/l	89
52) Toluene	10.397	92	145966	19.791	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	81661	21.176	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	94570	20.646	ug/l #	79
55) 1,1,2-Trichloroethane	10.797	97	45425	21.833	ug/l	94
56) Ethyl methacrylate	10.655	69	50905	20.936	ug/l #	64
57) 1,3-Dichloropropane	10.938	76	79107	21.644	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	168633	119.109	ug/l	99
59) 2-Hexanone	10.973	43	139106	110.892	ug/l	87
60) Dibromochloromethane	11.132	129	56451	21.831	ug/l	99
61) 1,2-Dibromoethane	11.238	107	40815	20.426	ug/l	98
64) Tetrachloroethene	10.867	164	51256	19.282	ug/l	93
65) Chlorobenzene	11.661	112	154172	19.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	59843	21.096	ug/l	95
67) Ethyl Benzene	11.738	91	283972	19.416	ug/l	96
68) m/p-Xylenes	11.844	106	215571	39.042	ug/l	97
69) o-Xylene	12.173	106	97627	18.812	ug/l	94
70) Styrene	12.185	104	172432	19.715	ug/l	98
71) Bromoform	12.349	173	30837	20.984	ug/l #	99
73) Isopropylbenzene	12.473	105	271835	18.115	ug/l	99
74) N-amyl acetate	12.279	43	67152	20.182	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	51377	20.790	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	41384m	20.959	ug/l	
77) Bromobenzene	12.755	156	62294	19.165	ug/l	97
78) n-propylbenzene	12.808	91	337453	18.057	ug/l	100
79) 2-Chlorotoluene	12.896	91	189044	18.024	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	221798	17.924	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	14160	20.609	ug/l #	75
82) 4-Chlorotoluene	12.996	91	197104	18.101	ug/l	97
83) tert-Butylbenzene	13.214	119	189149	17.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	220893	18.284	ug/l	98
85) sec-Butylbenzene	13.391	105	297593	18.334	ug/l	98
86) p-Isopropyltoluene	13.502	119	240014	18.079	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	124457	19.235	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	118750	18.525	ug/l	95
89) n-Butylbenzene	13.832	91	238823	18.428	ug/l	97
90) Hexachloroethane	14.096	117	49148	19.530	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	107184	19.480	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	9077	22.555	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	62612	18.242	ug/l	99
94) Hexachlorobutadiene	15.249	225	34850	17.946	ug/l	97
95) Naphthalene	15.385	128	111970	18.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	54582	18.724	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071392.D
Acq On : 20 Dec 2021 16:29
Operator : VA/SY
Sample : VD1220SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
Supervised By :Mahesh Dadoda 12/22/2021

Quant Time: Dec 20 20:53:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

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

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

