

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070792.D
 Acq On : 21 Oct 2021 11:02
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda

10/22/2021 7:08:15 PM

Quant Time: Oct 22 06:11:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	403798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	642263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	321548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239388	50.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.914	113	213047	50.361	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.720%			
50) Toluene-d8	10.332	98	818245	50.457	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.620	95	282668	50.623	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	89494	18.957	ug/l	97
3) Chloromethane	2.209	50	133515	19.059	ug/l	95
4) Vinyl Chloride	2.344	62	141317	19.686	ug/l	99
5) Bromomethane	2.750	94	88321	20.178	ug/l	98
6) Chloroethane	2.909	64	86941	19.232	ug/l	97
7) Trichlorofluoromethane	3.267	101	168494	20.762	ug/l	96
8) Diethyl Ether	3.703	74	41374	19.135	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.091	101	97923	20.173	ug/l	97
10) Methyl Iodide	4.297	142	73958	17.032	ug/l	99
11) Tert butyl alcohol	5.214	59	28329	105.809	ug/l #	89
12) 1,1-Dichloroethene	4.062	96	89172	20.316	ug/l	95
13) Acrolein	3.914	56	26222	101.190	ug/l	100
14) Allyl chloride	4.714	41	162631	19.575	ug/l #	92
15) Acrylonitrile	5.420	53	119588	105.039	ug/l	99
16) Acetone	4.156	43	121143	105.017	ug/l	91
17) Carbon Disulfide	4.409	76	304365	19.030	ug/l	100
18) Methyl Acetate	4.720	43	82744	20.636	ug/l	89
19) Methyl tert-butyl Ether	5.473	73	187319	19.740	ug/l	98
20) Methylene Chloride	4.956	84	139093	20.080	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	100430	19.945	ug/l	96
22) Diisopropyl ether	6.361	45	335254	20.725	ug/l #	93
23) Vinyl Acetate	6.303	43	730341	95.968	ug/l #	91
24) 1,1-Dichloroethane	6.261	63	204428	20.286	ug/l	97
25) 2-Butanone	7.208	43	146134	102.544	ug/l #	83
26) 2,2-Dichloropropane	7.208	77	173114	21.720	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	106398	19.705	ug/l	89
28) Bromochloromethane	7.538	49	87883	21.936	ug/l	84
29) Tetrahydrofuran	7.555	42	85654	98.182	ug/l #	86
30) Chloroform	7.708	83	202046	20.522	ug/l	94
31) Cyclohexane	7.979	56	185320	19.152	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	176118	21.086	ug/l	95
36) 1,1-Dichloropropene	8.108	75	154745	21.025	ug/l	97
37) Ethyl Acetate	7.291	43	62970	20.651	ug/l #	95
38) Carbon Tetrachloride	8.097	117	150285	21.319	ug/l	95
39) Methylcyclohexane	9.355	83	161624	19.473	ug/l	89
40) Benzene	8.344	78	440127	20.764	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	29131	16.504	ug/l	91
42) 1,2-Dichloroethane	8.414	62	128227	21.315	ug/l	97
43) Isopropyl Acetate	8.450	43	123022	21.150	ug/l #	93
44) Trichloroethene	9.108	130	104167	20.927	ug/l	93
45) 1,2-Dichloropropane	9.379	63	120558	21.526	ug/l	97
46) Dibromomethane	9.467	93	56908	21.219	ug/l	97
47) Bromodichloromethane	9.655	83	152165	21.388	ug/l	94
48) Methyl methacrylate	9.450	41	60291	21.159	ug/l #	84
49) 1,4-Dioxane	9.461	88	12264	425.871	ug/l #	80
51) 4-Methyl-2-Pentanone	10.220	43	336112	109.631	ug/l	88
52) Toluene	10.397	92	272175	21.567	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	130970	20.609	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	159041	20.906	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	77036	20.915	ug/l	95
56) Ethyl methacrylate	10.655	69	85374	19.776	ug/l #	76
57) 1,3-Dichloropropane	10.938	76	138743	21.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	213115	109.852	ug/l	94
59) 2-Hexanone	10.979	43	231436	107.248	ug/l	86
60) Dibromochloromethane	11.132	129	90878	21.468	ug/l	99
61) 1,2-Dibromoethane	11.238	107	71354	21.173	ug/l	99
64) Tetrachloroethene	10.867	164	86742	20.099	ug/l	90
65) Chlorobenzene	11.661	112	268460	20.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	100218	20.563	ug/l	98
67) Ethyl Benzene	11.738	91	473041	19.641	ug/l	99
68) m/p-Xylenes	11.844	106	373096	40.892	ug/l	95
69) o-Xylene	12.173	106	163127	19.709	ug/l	97
70) Styrene	12.185	104	294722	20.485	ug/l	96
71) Bromoform	12.349	173	52531	20.757	ug/l #	98
73) Isopropylbenzene	12.473	105	432933	18.896	ug/l	100
74) N-amyl acetate	12.279	43	113222	18.982	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	94396	20.828	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	60207m	21.672	ug/l	
77) Bromobenzene	12.749	156	104864	20.217	ug/l	99
78) n-propylbenzene	12.808	91	588875	19.774	ug/l	98
79) 2-Chlorotoluene	12.896	91	341104	19.819	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	384838	19.870	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	24780	19.537	ug/l #	85
82) 4-Chlorotoluene	12.996	91	368308	20.231	ug/l	97
83) tert-Butylbenzene	13.214	119	305561	19.090	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	386627	20.077	ug/l	98
85) sec-Butylbenzene	13.390	105	489494	19.460	ug/l	100
86) p-Isopropyltoluene	13.502	119	394390	19.502	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	215458	19.781	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	214309	19.925	ug/l	100
89) n-Butylbenzene	13.832	91	388315	19.026	ug/l	97
90) Hexachloroethane	14.102	117	83566	19.149	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	185628	19.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13983	19.344	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	104038	19.537	ug/l	98
94) Hexachlorobutadiene	15.249	225	68397	19.588	ug/l	99
95) Naphthalene	15.384	128	168829	19.457	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	90151	19.054	ug/l	99

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

