

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071092.D
 Acq On : 30 Nov 2021 19:27
 Operator : VA/SY
 Sample : M4867-05MS
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-GW-918-920MS

Quant Time: Dec 01 03:35:14 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	201997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	342027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	283452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	113222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	91892	38.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.540%		
35) Dibromofluoromethane	7.914	113	98171	45.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.140%		
50) Toluene-d8	10.337	98	378704	45.691	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.380%		
62) 4-Bromofluorobenzene	12.626	95	113578	39.532	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	84109	48.828	ug/l	96
3) Chloromethane	2.208	50	129326	56.750	ug/l	97
4) Vinyl Chloride	2.356	62	141150	55.517	ug/l	99
5) Bromomethane	2.785	94	105954	57.810	ug/l	95
6) Chloroethane	2.932	64	96675	55.284	ug/l	94
7) Trichlorofluoromethane	3.285	101	192608	55.922	ug/l	99
8) Diethyl Ether	3.714	74	39265	42.052	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.108	101	113065	55.642	ug/l	98
10) Methyl Iodide	4.308	142	87147	38.088	ug/l	95
11) Tert butyl alcohol	5.202	59	19558	72.948	ug/l #	84
12) 1,1-Dichloroethene	4.073	96	101153	53.942	ug/l	82
13) Acrolein	3.926	56	22447	138.586	ug/l	99
14) Allyl chloride	4.720	41	191441	53.748	ug/l #	81
15) Acrylonitrile	5.426	53	78066	171.915	ug/l	95
16) Acetone	4.161	43	62823	118.318	ug/l #	83
17) Carbon Disulfide	4.414	76	284754	51.865	ug/l	98
18) Methyl Acetate	4.720	43	56213	32.144	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	179675	39.097	ug/l	96
20) Methylene Chloride	4.967	84	125423	52.662	ug/l	88
21) trans-1,2-Dichloroethene	5.479	96	116999	55.427	ug/l	96
22) Diisopropyl ether	6.361	45	352561	49.404	ug/l	93
23) Vinyl Acetate	6.308	43	686321	185.700	ug/l	95
24) 1,1-Dichloroethane	6.267	63	231441	56.385	ug/l	99
25) 2-Butanone	7.214	43	94727	143.892	ug/l #	89
26) 2,2-Dichloropropane	7.214	77	200847	53.811	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	133318	55.826	ug/l	94
28) Bromochloromethane	7.549	49	79777	44.748	ug/l #	89
29) Tetrahydrofuran	7.567	42	60587	160.980	ug/l	92
30) Chloroform	7.708	83	230021	55.839	ug/l	98
31) Cyclohexane	7.985	56	202388	50.199	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	210427	56.896	ug/l	94
36) 1,1-Dichloropropene	8.114	75	174690	54.647	ug/l	98
37) Ethyl Acetate	7.291	43	44089	31.929	ug/l #	76
38) Carbon Tetrachloride	8.096	117	179533	56.974	ug/l	97
39) Methylcyclohexane	9.355	83	188621	49.057	ug/l	97
40) Benzene	8.349	78	483366	55.667	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	29751	46.104	ug/l #	78
42) 1,2-Dichloroethane	8.426	62	122230	46.116	ug/l	94
43) Isopropyl Acetate	8.455	43	95679	33.423	ug/l	93
44) Trichloroethene	9.114	130	127158	54.924	ug/l	100
45) 1,2-Dichloropropane	9.385	63	120461	52.753	ug/l	97
46) Dibromomethane	9.473	93	49271	41.589	ug/l	96
47) Bromodichloromethane	9.661	83	159476	50.900	ug/l	95
48) Methyl methacrylate	9.455	41	46798	34.623	ug/l #	83
49) 1,4-Dioxane	9.461	88	7624	666.655	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	218021	153.502	ug/l	90
52) Toluene	10.402	92	315907	57.340	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	123555	42.892	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	162006	47.346	ug/l #	76
55) 1,1,2-Trichloroethane	10.796	97	66432	42.744	ug/l	95
56) Ethyl methacrylate	10.655	69	67939	32.710	ug/l #	72
57) 1,3-Dichloropropane	10.943	76	117966	43.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	84347	79.754	ug/l	100
59) 2-Hexanone	10.979	43	139441	136.986	ug/l	88
60) Dibromochloromethane	11.132	129	84714	43.857	ug/l	99
61) 1,2-Dibromoethane	11.243	107	59723	40.012	ug/l	97
64) Tetrachloroethene	10.873	164	99470	55.277	ug/l	95
65) Chlorobenzene	11.667	112	291256	55.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.737	131	105040	54.700	ug/l	99
67) Ethyl Benzene	11.737	91	571914	57.765	ug/l	98
68) m/p-Xylenes	11.849	106	435072	116.397	ug/l	99
69) o-Xylene	12.173	106	200903	57.187	ug/l	98
70) Styrene	12.190	104	303162	51.202	ug/l	97
71) Bromoform	12.355	173	40223	40.432	ug/l #	97
73) Isopropylbenzene	12.473	105	535024	65.261	ug/l	99
74) N-amyl acetate	12.279	43	80634	37.529	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	61728	45.722	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	43083m	39.939	ug/l	
77) Bromobenzene	12.755	156	103394	58.226	ug/l	97
78) n-propylbenzene	12.814	91	633355	62.036	ug/l	100
79) 2-Chlorotoluene	12.902	91	344272	60.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	412363	60.997	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	15633	35.755	ug/l #	67
82) 4-Chlorotoluene	12.996	91	340866	57.299	ug/l	100
83) tert-Butylbenzene	13.214	119	374833	64.562	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	390528	59.169	ug/l	99
85) sec-Butylbenzene	13.390	105	505433	56.998	ug/l	99
86) p-Isopropyltoluene	13.508	119	415615	57.305	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	190423	53.870	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	183101	52.283	ug/l	98
89) n-Butylbenzene	13.831	91	355606	50.227	ug/l	98
90) Hexachloroethane	14.102	117	81883	59.557	ug/l	95
91) 1,2-Dichlorobenzene	13.878	146	154183	51.291	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8578	39.016	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	61537	32.818	ug/l	100
94) Hexachlorobutadiene	15.255	225	39649	37.372	ug/l	97
95) Naphthalene	15.384	128	105941	32.050	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	49876	31.318	ug/l	99

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

