

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069669.D
 Acq On : 13 Jul 2021 14:26
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071321

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:24 PM

Quant Time: Jul 14 06:06:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	662907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1210826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1140237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	509613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	414279	50.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.914	113	407456	50.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.320%			
50) Toluene-d8	10.338	98	1605275	50.866	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.626	95	536496	50.973	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	372737	54.485	ug/l	97
3) Chloromethane	2.209	50	515428	55.126	ug/l	98
4) Vinyl Chloride	2.350	62	548030	54.348	ug/l	99
5) Bromomethane	2.762	94	376586	60.812	ug/l	94
6) Chloroethane	2.921	64	343484	53.237	ug/l	100
7) Trichlorofluoromethane	3.273	101	655525	51.549	ug/l	98
8) Diethyl Ether	3.709	74	207899	56.035	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	408564	51.809	ug/l	99
10) Methyl Iodide	4.297	142	386078	46.968	ug/l	99
11) Tert butyl alcohol	5.215	59	155772	140.854	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	393679	54.455	ug/l	99
13) Acrolein	3.926	56	141862	248.597	ug/l	97
14) Allyl chloride	4.715	41	635290	56.873	ug/l	99
15) Acrylonitrile	5.420	53	476514	283.235	ug/l	99
16) Acetone	4.156	43	335726	204.938	ug/l	98
17) Carbon Disulfide	4.409	76	1410021	55.225	ug/l	100
18) Methyl Acetate	4.720	43	205667	51.310	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	910914	59.520	ug/l	100
20) Methylene Chloride	4.962	84	548264	47.737	ug/l	99
21) trans-1,2-Dichloroethene	5.473	96	472121	54.686	ug/l	98
22) Diisopropyl ether	6.367	45	1385854	59.863	ug/l	94
23) Vinyl Acetate	6.303	43	3614944	275.975	ug/l	99
24) 1,1-Dichloroethane	6.261	63	865595	53.580	ug/l	100
25) 2-Butanone	7.208	43	531859	271.869	ug/l	98
26) 2,2-Dichloropropane	7.208	77	658998	51.128	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	512048	54.982	ug/l	99
28) Bromochloromethane	7.544	49	352543	56.546	ug/l	98
29) Tetrahydrofuran	7.561	42	351254	289.799	ug/l	99
30) Chloroform	7.708	83	847467	52.736	ug/l	97
31) Cyclohexane	7.985	56	772126	54.808	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	702476	51.553	ug/l	99
36) 1,1-Dichloropropene	8.114	75	663087	53.083	ug/l	99
37) Ethyl Acetate	7.291	43	262369	55.526	ug/l	98
38) Carbon Tetrachloride	8.097	117	594369	51.962	ug/l	99
39) Methylcyclohexane	9.355	83	778268	52.072	ug/l	96
40) Benzene	8.350	78	1912793	53.090	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	130551m	53.312	ug/l	
42) 1,2-Dichloroethane	8.426	62	506285	51.771	ug/l	99
43) Isopropyl Acetate	8.450	43	469011	54.202	ug/l	99
44) Trichloroethene	9.108	130	449619	51.463	ug/l	99
45) 1,2-Dichloropropane	9.385	63	498115	52.601	ug/l	99
46) Dibromomethane	9.473	93	243326	52.647	ug/l	100
47) Bromodichloromethane	9.661	83	629631	51.402	ug/l	97
48) Methyl methacrylate	9.455	41	237482	52.809	ug/l	99
49) 1,4-Dioxane	9.461	88	54422	913.246	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1264847	282.270	ug/l	99
52) Toluene	10.402	92	1194196	55.106	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	552540	53.660	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	661415	52.308	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	331209	51.230	ug/l	97
56) Ethyl methacrylate	10.655	69	433727	52.425	ug/l	99
57) 1,3-Dichloropropane	10.944	76	606223	53.111	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	937629	254.532	ug/l	100
59) 2-Hexanone	10.979	43	840525	281.421	ug/l	100
60) Dibromochloromethane	11.132	129	386449	51.237	ug/l	99
61) 1,2-Dibromoethane	11.244	107	313223	52.218	ug/l	100
64) Tetrachloroethene	10.873	164	354068	50.850	ug/l	98
65) Chlorobenzene	11.661	112	1185488	52.045	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	418181	51.394	ug/l	99
67) Ethyl Benzene	11.738	91	2207274	54.721	ug/l	100
68) m/p-Xylenes	11.849	106	1690330	110.820	ug/l	99
69) o-Xylene	12.173	106	780743	56.213	ug/l	100
70) Styrene	12.191	104	1376558	56.794	ug/l	99
71) Bromoform	12.355	173	203646	51.622	ug/l	99
73) Isopropylbenzene	12.473	105	2039028	56.192	ug/l	99
74) N-amyl acetate	12.279	43	448152	56.835	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	379236	52.469	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	256877m	51.887	ug/l	
77) Bromobenzene	12.755	156	432137	53.678	ug/l	99
78) n-propylbenzene	12.814	91	2594286	56.385	ug/l	100
79) 2-Chlorotoluene	12.896	91	1487268	54.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1738890	56.500	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	100346	54.472	ug/l	99
82) 4-Chlorotoluene	12.996	91	1537963	54.183	ug/l	100
83) tert-Butylbenzene	13.214	119	1412298	56.286	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1711635	56.053	ug/l	99
85) sec-Butylbenzene	13.391	105	2208410	56.003	ug/l	100
86) p-Isopropyltoluene	13.508	119	1793015	55.826	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	887616	53.090	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	862356	51.648	ug/l	99
89) n-Butylbenzene	13.832	91	1780032	55.940	ug/l	100
90) Hexachloroethane	14.102	117	344231	52.668	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	757614	52.553	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	57729	53.625	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	429447	53.583	ug/l	97
94) Hexachlorobutadiene	15.255	225	249186	51.569	ug/l	98
95) Naphthalene	15.385	128	823541	51.036	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	378134	54.926	ug/l	97

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

