

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069806.D
 Acq On : 22 Jul 2021 12:34
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:15:24 PM

Quant Time: Jul 23 04:30:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:26:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	650351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1139332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1106495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	500519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	1028929	137.564	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 275.120%#			
35) Dibromofluoromethane	7.914	113	1026150	142.871	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 285.740%#			
50) Toluene-d8	10.338	98	4093744	147.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 295.640%#			
62) 4-Bromofluorobenzene	12.626	95	1435233	155.066	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 310.140%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	908587	132.732	ug/l	99
3) Chloromethane	2.209	50	1342404	135.190	ug/l	99
4) Vinyl Chloride	2.344	62	1444996	138.355	ug/l	98
5) Bromomethane	2.738	94	906073	132.452	ug/l	98
6) Chloroethane	2.903	64	923146	136.369	ug/l	95
7) Trichlorofluoromethane	3.262	101	1760064	136.511	ug/l	99
8) Diethyl Ether	3.703	74	587716	162.057	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	1111938	135.793	ug/l	99
10) Methyl Iodide	4.297	142	1271970	177.789	ug/l	99
11) Tert butyl alcohol	5.226	59	284370	735.545	ug/l	100
12) 1,1-Dichloroethene	4.062	96	1105782	148.608	ug/l	98
13) Acrolein	3.921	56	410636	757.941	ug/l	98
14) Allyl chloride	4.709	41	1783349	163.468	ug/l	99
15) Acrylonitrile	5.415	53	1342759	787.077	ug/l	100
16) Acetone	4.156	43	910831	674.108	ug/l	97
17) Carbon Disulfide	4.403	76	3763839	141.469	ug/l	99
18) Methyl Acetate	4.715	43	556714	142.004	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	2570156	166.709	ug/l	99
20) Methylene Chloride	4.956	84	1332182	108.252	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	1279396	145.916	ug/l	97
22) Diisopropyl ether	6.362	45	3808431	160.650	ug/l	99
23) Vinyl Acetate	6.303	43	10355861	911.661	ug/l	97
24) 1,1-Dichloroethane	6.262	63	2357560	143.983	ug/l	100
25) 2-Butanone	7.209	43	1481903	808.747	ug/l	99
26) 2,2-Dichloropropane	7.209	77	1875829	150.662	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	1457615	155.796	ug/l	98
28) Bromochloromethane	7.544	49	889274	143.046	ug/l	97
29) Tetrahydrofuran	7.562	42	1005524	848.207	ug/l	98
30) Chloroform	7.709	83	2310016	140.320	ug/l	94
31) Cyclohexane	7.979	56	2167819	148.334	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	1958817	143.751	ug/l	99
36) 1,1-Dichloropropene	8.109	75	1814869	147.608	ug/l	99
37) Ethyl Acetate	7.291	43	701588	156.743	ug/l	100
38) Carbon Tetrachloride	8.091	117	1683084	149.861	ug/l	99
39) Methylcyclohexane	9.350	83	2328556	165.363	ug/l	98
40) Benzene	8.350	78	5325420	149.505	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	382051	171.076	ug/l	97
42) 1,2-Dichloroethane	8.420	62	1372774	145.725	ug/l	99
43) Isopropyl Acetate	8.450	43	1329552	165.619	ug/l	98
44) Trichloroethene	9.108	130	1286076	146.610	ug/l	100
45) 1,2-Dichloropropane	9.385	63	1374714	146.928	ug/l	98
46) Dibromomethane	9.473	93	670141	145.710	ug/l	98
47) Bromodichloromethane	9.656	83	1756258	146.979	ug/l	100
48) Methyl methacrylate	9.456	41	662034	171.419	ug/l	98
49) 1,4-Dioxane	9.456	88	156060	3211.748	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	3460470	828.371	ug/l	98
52) Toluene	10.397	92	3368147	155.875	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	1584357	157.964	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	1993204	164.147	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	943808	145.290	ug/l	98
56) Ethyl methacrylate	10.655	69	1273772	179.092	ug/l	98
57) 1,3-Dichloropropane	10.938	76	1688613	153.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	2805449	920.807	ug/l	99
59) 2-Hexanone	10.979	43	2339496	846.664	ug/l	98
60) Dibromochloromethane	11.138	129	1111795	151.123	ug/l	99
61) 1,2-Dibromoethane	11.238	107	883488	151.058	ug/l	98
64) Tetrachloroethene	10.873	164	1000084	141.789	ug/l	98
65) Chlorobenzene	11.667	112	3393815	148.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	1208278	146.516	ug/l	99
67) Ethyl Benzene	11.738	91	6422842	159.140	ug/l	99
68) m/p-Xylenes	11.844	106	4909665	313.802	ug/l	98
69) o-Xylene	12.173	106	2344570	164.835	ug/l	99
70) Styrene	12.191	104	4013145	162.806	ug/l	99
71) Bromoform	12.350	173	597137	149.101	ug/l #	100
73) Isopropylbenzene	12.473	105	5974500	166.129	ug/l	99
74) N-amyl acetate	12.279	43	1305974	176.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	1078906	150.224	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	744777m	190.590	ug/l	
77) Bromobenzene	12.749	156	1258885	155.422	ug/l	99
78) n-propylbenzene	12.814	91	7444880	161.180	ug/l	99
79) 2-Chlorotoluene	12.902	91	4294145	160.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	5015055	163.017	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	305497	174.205	ug/l	98
82) 4-Chlorotoluene	12.997	91	4388566	156.459	ug/l	99
83) tert-Butylbenzene	13.214	119	4175818	166.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	5025006	165.571	ug/l	99
85) sec-Butylbenzene	13.391	105	6417082	162.289	ug/l	99
86) p-Isopropyltoluene	13.508	119	5323327	165.711	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	2572467	151.273	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	2511784	148.192	ug/l	100
89) n-Butylbenzene	13.832	91	5247985	165.535	ug/l	98
90) Hexachloroethane	14.102	117	1039599	152.775	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	2214912	150.907	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	159933	154.648	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	1336891	168.821	ug/l	99
94) Hexachlorobutadiene	15.255	225	749105	154.641	ug/l	99
95) Naphthalene	15.385	128	2658519	188.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	1156925	168.936	ug/l	100

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

