

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069137.D
 Acq On : 12 May 2021 13:56
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:05:53 PM

Quant Time: May 13 03:34:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 03:30:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	342973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	544762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	526647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	246217	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	474473	138.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 276.00%#			
35) Dibromofluoromethane	7.914	113	508602	143.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 286.92%#			
50) Toluene-d8	10.338	98	1935815	148.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 297.22%#			
62) 4-Bromofluorobenzene	12.626	95	641730	153.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 306.20%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	468988	128.61	ug/l	95
3) Chloromethane	2.209	50	513447	122.51	ug/l	99
4) Vinyl Chloride	2.350	62	698328	126.42	ug/l	99
5) Bromomethane	2.744	94	547640	131.79	ug/l	100
6) Chloroethane	2.909	64	485364	136.59	ug/l	99
7) Trichlorofluoromethane	3.267	101	1011599	150.10	ug/l	98
8) Diethyl Ether	3.709	74	229384	149.10	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	495011	129.61	ug/l	99
10) Methyl Iodide	4.297	142	591020	162.36	ug/l	97
11) Tert butyl alcohol	5.220	59	120442	512.52	ug/l	99
12) 1,1-Dichloroethene	4.067	96	471690	137.47	ug/l	97
13) Acrolein	3.920	56	211982	757.76	ug/l	97
14) Allyl chloride	4.720	41	542613	144.15	ug/l	99
15) Acrylonitrile	5.420	53	416646	725.60	ug/l	98
16) Acetone	4.156	43	350183	664.99	ug/l	100
17) Carbon Disulfide	4.409	76	1508963	132.66	ug/l	98
18) Methyl Acetate	4.720	43	175928	137.50	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	952585	152.98	ug/l	97
20) Methylene Chloride	4.967	84	555766	99.68	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	563011	138.39	ug/l	99
22) Diisopropyl ether	6.367	45	1103568	146.79	ug/l	96
23) Vinyl Acetate	6.308	43	3590295	809.24	ug/l	99
24) 1,1-Dichloroethane	6.267	63	878088	135.21	ug/l	100
25) 2-Butanone	7.214	43	508535	712.65	ug/l	94
26) 2,2-Dichloropropane	7.208	77	831183	136.85	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	627344	142.01	ug/l	97
28) Bromochloromethane	7.550	49	319114	137.83	ug/l	98
29) Tetrahydrofuran	7.561	42	287570	741.36	ug/l	99
30) Chloroform	7.708	83	982861	134.42	ug/l	98
31) Cyclohexane	7.985	56	665128	130.53	ug/l	93
32) 1,1,1-Trichloroethane	7.908	97	903075	136.13	ug/l	99
36) 1,1-Dichloropropene	8.114	75	761329	143.75	ug/l	99
37) Ethyl Acetate	7.291	43	242029	142.24	ug/l	98
38) Carbon Tetrachloride	8.097	117	819685	138.45	ug/l	98
39) Methylcyclohexane	9.355	83	852283	152.57	ug/l	97
40) Benzene	8.350	78	2154459	142.01	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	148274	177.05	ug/l #	82
42) 1,2-Dichloroethane	8.426	62	578927	139.75	ug/l	100
43) Isopropyl Acetate	8.455	43	471597	152.62	ug/l	100
44) Trichloroethene	9.114	130	605254	142.75	ug/l	97
45) 1,2-Dichloropropane	9.391	63	506393	141.42	ug/l	97
46) Dibromomethane	9.479	93	297864	139.15	ug/l	99
47) Bromodichloromethane	9.661	83	759298	139.39	ug/l	98
48) Methyl methacrylate	9.455	41	231986	162.35	ug/l	96
49) 1,4-Dioxane	9.467	88	61983	3078.87	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	1270702	799.27	ug/l	98
52) Toluene	10.402	92	1442471	147.32	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	712047	148.76	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	847258	148.08	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	399979	138.63	ug/l	98
56) Ethyl methacrylate	10.661	69	476915	165.56	ug/l	99
57) 1,3-Dichloropropane	10.943	76	678153	145.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	1163018	814.29	ug/l	100
59) 2-Hexanone	10.985	43	831801	784.06	ug/l	99
60) Dibromochloromethane	11.138	129	525490	141.82	ug/l	99
61) 1,2-Dibromoethane	11.243	107	394596	138.38	ug/l	96
64) Tetrachloroethene	10.873	164	502210	137.21	ug/l	96
65) Chlorobenzene	11.667	112	1533467	140.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	577664	140.34	ug/l	99
67) Ethyl Benzene	11.743	91	2860051	152.25	ug/l	97
68) m/p-Xylenes	11.849	106	2204258	299.43	ug/l	100
69) o-Xylene	12.179	106	1014489	154.97	ug/l	99
70) Styrene	12.190	104	1738665	152.14	ug/l	99
71) Bromoform	12.355	173	296328	138.40	ug/l #	100
73) Isopropylbenzene	12.479	105	2693094	156.49	ug/l	100
74) N-amyl acetate	12.285	43	458174	162.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	435440	139.63	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	288688m	156.60	ug/l	
77) Bromobenzene	12.761	156	615510	150.73	ug/l	99
78) n-propylbenzene	12.820	91	3211967	154.69	ug/l	100
79) 2-Chlorotoluene	12.902	91	1763054	152.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	2224232	156.76	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	141024	153.91	ug/l	97
82) 4-Chlorotoluene	13.002	91	1823319	148.14	ug/l	100
83) tert-Butylbenzene	13.220	119	1891145	159.94	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	2244122	157.21	ug/l	100
85) sec-Butylbenzene	13.396	105	2738961	154.05	ug/l	100
86) p-Isopropyltoluene	13.508	119	2472508	158.27	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	1205592	145.87	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	1161507	141.89	ug/l	99
89) n-Butylbenzene	13.837	91	2246573	154.35	ug/l	100
90) Hexachloroethane	14.108	117	415154	141.81	ug/l	100
91) 1,2-Dichlorobenzene	13.884	146	1017460	143.35	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	70587	145.83	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	658965	151.50	ug/l	99
94) Hexachlorobutadiene	15.261	225	381585	146.18	ug/l	99
95) Naphthalene	15.390	128	1237655	169.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	567839	152.60	ug/l	100

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

