

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070042.D
 Acq On : 13 Aug 2021 11:08
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:50 PM

Quant Time: Aug 14 02:13:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:11:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	548603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1015432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	944645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	438738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	69839	10.824	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.640%#		
35) Dibromofluoromethane	7.914	113	71058	10.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.660%#		
50) Toluene-d8	10.338	98	257311	10.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.160%#		
62) 4-Bromofluorobenzene	12.620	95	82272	9.789	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.580%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	76433	12.173	ug/l	99
3) Chloromethane	2.209	50	98601	11.442	ug/l	99
4) Vinyl Chloride	2.344	62	103267	11.123	ug/l	100
5) Bromomethane	2.756	94	66116	11.317	ug/l	94
6) Chloroethane	2.920	64	65674	11.072	ug/l	97
7) Trichlorofluoromethane	3.273	101	123107	11.040	ug/l	93
8) Diethyl Ether	3.709	74	31826	9.973	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	76096	10.726	ug/l	98
10) Methyl Iodide	4.303	142	55301	8.525	ug/l	98
11) Tert butyl alcohol	5.226	59	19702	55.093	ug/l #	87
12) 1,1-Dichloroethene	4.067	96	67850	10.410	ug/l	91
13) Acrolein	3.926	56	21518	52.380	ug/l	91
14) Allyl chloride	4.709	41	94138	9.680	ug/l	98
15) Acrylonitrile	5.426	53	72126	48.741	ug/l	98
16) Acetone	4.162	43	60797	51.148	ug/l #	80
17) Carbon Disulfide	4.409	76	255954	10.862	ug/l	99
18) Methyl Acetate	4.720	43	35397	9.988	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	128025	9.465	ug/l	100
20) Methylene Chloride	4.961	84	133025	12.519	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	77762	10.271	ug/l	98
22) Diisopropyl ether	6.361	45	195469	9.557	ug/l	96
23) Vinyl Acetate	6.308	43	406963	43.904	ug/l	98
24) 1,1-Dichloroethane	6.261	63	145506	10.398	ug/l	98
25) 2-Butanone	7.208	43	79491	48.941	ug/l	93
26) 2,2-Dichloropropane	7.203	77	113612	10.427	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	80098	9.963	ug/l	97
28) Bromochloromethane	7.544	49	57713	11.333	ug/l	100
29) Tetrahydrofuran	7.567	42	49818	46.842	ug/l	99
30) Chloroform	7.708	83	145728	10.589	ug/l	99
31) Cyclohexane	7.985	56	131621	10.306	ug/l #	90
32) 1,1,1-Trichloroethane	7.908	97	119120	10.358	ug/l	97
36) 1,1-Dichloropropene	8.108	75	109254	10.001	ug/l	99
37) Ethyl Acetate	7.291	43	40171	10.124	ug/l	98
38) Carbon Tetrachloride	8.097	117	99490	10.032	ug/l	95
39) Methylcyclohexane	9.349	83	117087	9.206	ug/l	95
40) Benzene	8.350	78	317266	10.013	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	23924m	11.916	ug/l	
42) 1,2-Dichloroethane	8.426	62	82736	10.189	ug/l	98
43) Isopropyl Acetate	8.455	43	74331	10.034	ug/l	98
44) Trichloroethene	9.108	130	78709	10.283	ug/l	94
45) 1,2-Dichloropropane	9.385	63	83793	10.181	ug/l	100
46) Dibromomethane	9.473	93	40865	10.223	ug/l	99
47) Bromodichloromethane	9.661	83	105710	10.221	ug/l	95
48) Methyl methacrylate	9.449	41	33273	9.419	ug/l	96
49) 1,4-Dioxane	9.461	88	7792	179.115	ug/l	89
51) 4-Methyl-2-Pentanone	10.226	43	183526	47.648	ug/l	96
52) Toluene	10.396	92	187688	9.732	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	89584	9.779	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	107779	9.693	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	57712	10.190	ug/l	92
56) Ethyl methacrylate	10.661	69	57001	8.844	ug/l	98
57) 1,3-Dichloropropane	10.944	76	96202	9.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	153969	45.292	ug/l	100
59) 2-Hexanone	10.979	43	121728	47.190	ug/l	93
60) Dibromochloromethane	11.132	129	66636	10.270	ug/l	96
61) 1,2-Dibromoethane	11.243	107	50732	9.894	ug/l	95
64) Tetrachloroethene	10.873	164	63146	10.362	ug/l	96
65) Chlorobenzene	11.667	112	201951	10.232	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	71324	10.176	ug/l	98
67) Ethyl Benzene	11.738	91	329311	9.437	ug/l	98
68) m/p-Xylenes	11.849	106	262997	19.447	ug/l	96
69) o-Xylene	12.173	106	112079	9.185	ug/l	99
70) Styrene	12.185	104	200147	9.365	ug/l	99
71) Bromoform	12.349	173	34667	10.152	ug/l #	99
73) Isopropylbenzene	12.473	105	296198	9.258	ug/l	99
74) N-amyl acetate	12.279	43	65696	9.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	66281	10.383	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	43088m	12.057	ug/l	
77) Bromobenzene	12.749	156	69776	9.826	ug/l	98
78) n-propylbenzene	12.814	91	384484	9.318	ug/l	98
79) 2-Chlorotoluene	12.902	91	229620	9.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	259535	9.529	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	16139	9.415	ug/l	92
82) 4-Chlorotoluene	12.996	91	244042	9.818	ug/l	99
83) tert-Butylbenzene	13.214	119	203520	9.193	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	254819	9.431	ug/l	100
85) sec-Butylbenzene	13.390	105	335699	9.464	ug/l	98
86) p-Isopropyltoluene	13.508	119	264323	9.224	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	152813	10.128	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	152998	10.238	ug/l	96
89) n-Butylbenzene	13.832	91	255653	9.091	ug/l	97
90) Hexachloroethane	14.096	117	61463	10.164	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	132926	10.282	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	9368	9.824	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	66679	9.274	ug/l	100
94) Hexachlorobutadiene	15.255	225	41123	9.683	ug/l	97
95) Naphthalene	15.390	128	109301	8.353	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	58381	9.302	ug/l	99

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

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