

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070045.D
 Acq On : 13 Aug 2021 12:33
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:55 PM

Quant Time: Aug 14 02:15:07 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	7.973	168	601082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1072213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1020660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	471388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	659179	93.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 186.480%#	
35) Dibromofluoromethane	7.914	113	671060	96.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 193.740%#	
50) Toluene-d8	10.338	98	2744531	101.864	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 203.720%#	
62) 4-Bromofluorobenzene	12.626	95	916032	103.223	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 206.440%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	544280	79.114	ug/l	100
3) Chloromethane	2.209	50	800094	84.738	ug/l	99
4) Vinyl Chloride	2.344	62	890530	87.542	ug/l	97
5) Bromomethane	2.744	94	543074	84.842	ug/l	92
6) Chloroethane	2.909	64	570393	87.769	ug/l	99
7) Trichlorofluoromethane	3.268	101	1071934	87.733	ug/l	93
8) Diethyl Ether	3.709	74	351336	100.479	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	683356	87.914	ug/l	99
10) Methyl Iodide	4.297	142	796892	112.127	ug/l	99
11) Tert butyl alcohol	5.226	59	174881	446.328	ug/l	98
12) 1,1-Dichloroethene	4.062	96	675334	94.570	ug/l	96
13) Acrolein	3.920	56	218132	484.625	ug/l	99
14) Allyl chloride	4.709	41	1079551	101.316	ug/l	100
15) Acrylonitrile	5.415	53	801779	494.516	ug/l	100
16) Acetone	4.150	43	597744	458.973	ug/l	95
17) Carbon Disulfide	4.403	76	2342808	90.741	ug/l	100
18) Methyl Acetate	4.715	43	365137	94.037	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	1536559	103.677	ug/l	98
20) Methylene Chloride	4.956	84	820504	70.474	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	787177	94.898	ug/l	98
22) Diisopropyl ether	6.362	45	2293373	102.337	ug/l	98
23) Vinyl Acetate	6.303	43	5674907	558.766	ug/l	99
24) 1,1-Dichloroethane	6.256	63	1426881	93.062	ug/l	99
25) 2-Butanone	7.209	43	897380	504.266	ug/l	99
26) 2,2-Dichloropropane	7.209	77	1128740	94.549	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	870312	98.798	ug/l	100
28) Bromochloromethane	7.544	49	517954	92.831	ug/l	100
29) Tetrahydrofuran	7.561	42	607118	521.007	ug/l	99
30) Chloroform	7.708	83	1391600	92.288	ug/l	98
31) Cyclohexane	7.985	56	1326159	94.772	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	1161371	92.167	ug/l	99
36) 1,1-Dichloropropene	8.108	75	1120177	97.113	ug/l	99
37) Ethyl Acetate	7.291	43	421213	100.535	ug/l	99
38) Carbon Tetrachloride	8.091	117	996793	95.188	ug/l	97
39) Methylcyclohexane	9.350	83	1410741	105.045	ug/l	98
40) Benzene	8.350	78	3222881	96.331	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	228167	107.624	ug/l	98
42) 1,2-Dichloroethane	8.420	62	814791	95.026	ug/l	98
43) Isopropyl Acetate	8.450	43	793093	101.394	ug/l	98
44) Trichloroethene	9.108	130	765971	94.774	ug/l	99
45) 1,2-Dichloropropane	9.385	63	837617	96.385	ug/l	95
46) Dibromomethane	9.473	93	404399	95.807	ug/l	98
47) Bromodichloromethane	9.655	83	1040643	95.292	ug/l	99
48) Methyl methacrylate	9.450	41	398032	106.710	ug/l	100
49) 1,4-Dioxane	9.461	88	95431	2077.501	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	2118556	520.899	ug/l	98
52) Toluene	10.397	92	2038328	100.095	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	967873	100.059	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	1174376	100.027	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	566627	94.745	ug/l	96
56) Ethyl methacrylate	10.655	69	756406	111.142	ug/l	99
57) 1,3-Dichloropropane	10.944	76	1009777	97.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	2004368	558.388	ug/l	100
59) 2-Hexanone	10.979	43	1455851	534.500	ug/l	100
60) Dibromochloromethane	11.138	129	655144	95.627	ug/l	99
61) 1,2-Dibromoethane	11.244	107	533242	98.488	ug/l	98
64) Tetrachloroethene	10.873	164	603419	91.642	ug/l	99
65) Chlorobenzene	11.667	112	2037535	95.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	718094	94.821	ug/l	100
67) Ethyl Benzene	11.738	91	3864639	102.498	ug/l	99
68) m/p-Xylenes	11.849	106	2958126	202.447	ug/l	98
69) o-Xylene	12.173	106	1390281	105.451	ug/l	98
70) Styrene	12.185	104	2422330	104.903	ug/l	99
71) Bromoform	12.355	173	349674	94.769	ug/l #	99
73) Isopropylbenzene	12.473	105	3602600	104.803	ug/l	100
74) N-amyl acetate	12.279	43	792890	106.980	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	655471	95.566	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	447604m	116.573	ug/l	
77) Bromobenzene	12.755	156	757366	99.266	ug/l	99
78) n-propylbenzene	12.814	91	4567174	103.024	ug/l	100
79) 2-Chlorotoluene	12.902	91	2574279	100.930	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	3047946	104.151	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	194415	105.560	ug/l	97
82) 4-Chlorotoluene	12.996	91	2669095	99.941	ug/l	99
83) tert-Butylbenzene	13.214	119	2523390	106.085	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	3011745	103.747	ug/l	100
85) sec-Butylbenzene	13.391	105	3968994	104.145	ug/l	99
86) p-Isopropyltoluene	13.508	119	3261667	105.935	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	1565295	96.559	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	1514812	94.343	ug/l	99
89) n-Butylbenzene	13.832	91	3178769	105.210	ug/l	99
90) Hexachloroethane	14.102	117	626645	96.447	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	1336279	96.200	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	95536	93.251	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	788992	102.141	ug/l	98
94) Hexachlorobutadiene	15.255	225	445733	97.684	ug/l	98
95) Naphthalene	15.390	128	1557989	110.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	682511	101.217	ug/l	99

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

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