

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090821\
 Data File : VD070291.D
 Acq On : 08 Sep 2021 12:13
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:49:06 AM

Quant Time: Sep 09 01:36:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 01:31:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	436601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	744369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	725653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	329701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	740810	129.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 259.040%#	
35) Dibromofluoromethane	7.914	113	757690	141.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 283.840%#	
50) Toluene-d8	10.337	98	2882708	151.906	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 303.820%#	
62) 4-Bromofluorobenzene	12.625	95	998634	153.841	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 307.680%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	602878	110.440	ug/l	99
3) Chloromethane	2.208	50	818499	113.116	ug/l	99
4) Vinyl Chloride	2.344	62	870233	119.788	ug/l	99
5) Bromomethane	2.738	94	569079	105.582	ug/l	97
6) Chloroethane	2.902	64	575956	118.641	ug/l	99
7) Trichlorofluoromethane	3.261	101	1111130	114.694	ug/l	98
8) Diethyl Ether	3.702	74	375249	149.093	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	692233	114.313	ug/l	98
10) Methyl Iodide	4.296	142	794388	172.978	ug/l	100
11) Tert butyl alcohol	5.226	59	253726	305.306	ug/l #	100
12) 1,1-Dichloroethene	4.061	96	674606	127.877	ug/l	95
13) Acrolein	3.920	56	194639	715.970	ug/l	99
14) Allyl chloride	4.708	41	1115297	150.552	ug/l	95
15) Acrylonitrile	5.414	53	867880	721.697	ug/l	99
16) Acetone	4.155	43	668155	643.950	ug/l	91
17) Carbon Disulfide	4.402	76	2369019	121.493	ug/l	99
18) Methyl Acetate	4.714	43	404322	132.202	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	1672043	157.387	ug/l	100
20) Methylene Chloride	4.955	84	821296	93.805	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	789564	127.967	ug/l	97
22) Diisopropyl ether	6.361	45	2374696	151.284	ug/l	98
23) Vinyl Acetate	6.302	43	6095319	898.420	ug/l	97
24) 1,1-Dichloroethane	6.261	63	1456351	125.058	ug/l	97
25) 2-Butanone	7.208	43	1004975	769.762	ug/l	97
26) 2,2-Dichloropropane	7.208	77	1181442	127.291	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	893647	136.560	ug/l	96
28) Bromochloromethane	7.543	49	627190	140.924	ug/l	91
29) Tetrahydrofuran	7.555	42	669997	802.889	ug/l	95
30) Chloroform	7.708	83	1494075	123.712	ug/l	98
31) Cyclohexane	7.985	56	1366087	137.115	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	1270416	125.477	ug/l	98
36) 1,1-Dichloropropene	8.108	75	1153658	142.466	ug/l	98
37) Ethyl Acetate	7.290	43	459028	153.203	ug/l	97
38) Carbon Tetrachloride	8.096	117	1098890	139.053	ug/l	97
39) Methylcyclohexane	9.349	83	1411955	165.764	ug/l	97
40) Benzene	8.349	78	3263299	138.570	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	241880	183.470	ug/l	94
42) 1,2-Dichloroethane	8.420	62	864106	134.009	ug/l	98
43) Isopropyl Acetate	8.449	43	862822	160.194	ug/l	96
44) Trichloroethene	9.108	130	775013	136.096	ug/l	87
45) 1,2-Dichloropropane	9.384	63	848031	136.279	ug/l	99
46) Dibromomethane	9.473	93	429613	134.941	ug/l	97
47) Bromodichloromethane	9.655	83	1110321	135.997	ug/l	96
48) Methyl methacrylate	9.455	41	432774	183.587	ug/l	94
49) 1,4-Dioxane	9.461	88	98719	3241.363	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	2270115	832.277	ug/l	97
52) Toluene	10.396	92	2071085	148.071	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	1055470	155.210	ug/l	98
54) cis-1,3-Dichloropropene	10.084	75	1289975	157.052	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	592472	134.468	ug/l	97
56) Ethyl methacrylate	10.655	69	809676	188.820	ug/l #	90
57) 1,3-Dichloropropane	10.943	76	1068281	144.301	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	1920946	922.867	ug/l	97
59) 2-Hexanone	10.978	43	1554408	874.965	ug/l	98
60) Dibromochloromethane	11.137	129	704132	137.098	ug/l	99
61) 1,2-Dibromoethane	11.243	107	573157	140.897	ug/l	98
64) Tetrachloroethene	10.873	164	606583	134.283	ug/l	99
65) Chlorobenzene	11.667	112	2102589	138.530	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.737	131	755639	134.573	ug/l	99
67) Ethyl Benzene	11.737	91	3996681	158.764	ug/l	100
68) m/p-Xylenes	11.849	106	3018550	309.583	ug/l	99
69) o-Xylene	12.173	106	1425996	164.431	ug/l	97
70) Styrene	12.190	104	2470416	163.777	ug/l	98
71) Bromoform	12.355	173	378644	138.221	ug/l #	98
73) Isopropylbenzene	12.473	105	3707040	167.597	ug/l	99
74) N-amyl acetate	12.278	43	836596	175.543	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	681180	134.397	ug/l	100
76) 1,2,3-Trichloropropane	12.778	75	478124m	176.497	ug/l	
77) Bromobenzene	12.755	156	777009	146.076	ug/l	95
78) n-propylbenzene	12.814	91	4636206	159.418	ug/l	99
79) 2-Chlorotoluene	12.902	91	2633094	154.213	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	3121523	161.372	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	209280	158.777	ug/l	97
82) 4-Chlorotoluene	12.996	91	2749505	150.119	ug/l	99
83) tert-Butylbenzene	13.214	119	2564577	167.229	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	3116231	164.434	ug/l	99
85) sec-Butylbenzene	13.390	105	3968490	160.516	ug/l	99
86) p-Isopropyltoluene	13.508	119	3266166	165.852	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	1579375	140.387	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	1535945	133.137	ug/l	100
89) n-Butylbenzene	13.831	91	3360033	171.786	ug/l	99
90) Hexachloroethane	14.102	117	671826	142.713	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	1430500	147.575	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	111477	150.282	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	814287	158.153	ug/l	99
94) Hexachlorobutadiene	15.255	225	449845	138.320	ug/l	99
95) Naphthalene	15.384	128	1691048	192.773	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	712177	161.520	ug/l	99

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

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