

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070213.D
 Acq On : 23 Aug 2021 11:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/24/2021 6:16:19 PM

Quant Time: Aug 24 01:29:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	465451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	825085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	781820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	361717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281070	51.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.914	113	283600	53.202	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.400%			
50) Toluene-d8	10.338	98	1099366	53.025	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.626	95	366811	53.714	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	219624	49.069	ug/l	96
3) Chloromethane	2.209	50	321101	49.732	ug/l	99
4) Vinyl Chloride	2.344	62	346791	44.024	ug/l	98
5) Bromomethane	2.756	94	232937	54.264	ug/l	93
6) Chloroethane	2.914	64	240888	47.868	ug/l	99
7) Trichlorofluoromethane	3.267	101	450374	47.603	ug/l	98
8) Diethyl Ether	3.708	74	139505	51.523	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	292951	48.671	ug/l	98
10) Methyl Iodide	4.297	142	287873	52.308	ug/l	100
11) Tert butyl alcohol	5.220	59	74426	245.966	ug/l #	85
12) 1,1-Dichloroethene	4.061	96	269466	48.730	ug/l	98
13) Acrolein	3.920	56	73155	209.889	ug/l	100
14) Allyl chloride	4.708	41	425778	51.603	ug/l	98
15) Acrylonitrile	5.420	53	334737	266.618	ug/l	98
16) Acetone	4.156	43	296513	294.019	ug/l	96
17) Carbon Disulfide	4.403	76	915026	45.768	ug/l	99
18) Methyl Acetate	4.714	43	161866	53.834	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	623406	54.320	ug/l	99
20) Methylene Chloride	4.955	84	357271	52.366	ug/l	98
21) trans-1,2-Dichloroethene	5.461	96	323114	50.304	ug/l	98
22) Diisopropyl ether	6.361	45	963222	55.507	ug/l	98
23) Vinyl Acetate	6.302	43	2271280	288.803	ug/l	99
24) 1,1-Dichloroethane	6.261	63	611289	51.486	ug/l	99
25) 2-Butanone	7.208	43	396588	287.795	ug/l	97
26) 2,2-Dichloropropane	7.202	77	491039	53.118	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	357035	52.341	ug/l	99
28) Bromochloromethane	7.544	49	210590	48.742	ug/l	98
29) Tetrahydrofuran	7.561	42	247686	274.493	ug/l	99
30) Chloroform	7.708	83	596813	51.113	ug/l	97
31) Cyclohexane	7.985	56	529481	48.865	ug/l	99
32) 1,1,1-Trichloroethane	7.896	97	504002	51.653	ug/l	98
36) 1,1-Dichloropropene	8.108	75	467722	52.694	ug/l	100
37) Ethyl Acetate	7.291	43	181571	56.318	ug/l	98
38) Carbon Tetrachloride	8.091	117	421621	52.321	ug/l	99
39) Methylcyclohexane	9.349	83	543898	52.629	ug/l	98
40) Benzene	8.349	78	1343287	52.176	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	97178	55.751	ug/l	94
42) 1,2-Dichloroethane	8.420	62	346662	52.540	ug/l	98
43) Isopropyl Acetate	8.449	43	327170	54.356	ug/l	99
44) Trichloroethene	9.108	130	320792	51.580	ug/l	98
45) 1,2-Dichloropropane	9.385	63	353707	52.892	ug/l	94
46) Dibromomethane	9.473	93	172358	53.064	ug/l	98
47) Bromodichloromethane	9.655	83	451344	53.709	ug/l	100
48) Methyl methacrylate	9.449	41	163977	57.129	ug/l	96
49) 1,4-Dioxane	9.455	88	39149	1107.528	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	907966	290.112	ug/l	99
52) Toluene	10.396	92	841478	53.699	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	410791	55.187	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	490598	54.302	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	243742	52.963	ug/l	98
56) Ethyl methacrylate	10.655	69	298533	57.003	ug/l	98
57) 1,3-Dichloropropane	10.943	76	425700	53.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	801207	290.059	ug/l	100
59) 2-Hexanone	10.979	43	619782	295.700	ug/l	99
60) Dibromochloromethane	11.137	129	273472	51.873	ug/l	99
61) 1,2-Dibromoethane	11.237	107	223900	53.740	ug/l	99
64) Tetrachloroethene	10.873	164	244945	48.564	ug/l	96
65) Chlorobenzene	11.661	112	840297	51.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	298598	51.474	ug/l	99
67) Ethyl Benzene	11.737	91	1546564	53.549	ug/l	100
68) m/p-Xylenes	11.849	106	1216001	108.643	ug/l	98
69) o-Xylene	12.173	106	549354	54.397	ug/l	100
70) Styrene	12.190	104	967407	54.694	ug/l	99
71) Bromoform	12.355	173	149416	52.866	ug/l #	100
73) Isopropylbenzene	12.473	105	1465439	55.557	ug/l	98
74) N-amyl acetate	12.279	43	313823	55.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	277920	52.806	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	198514m	54.116	ug/l	
77) Bromobenzene	12.755	156	309138	52.803	ug/l	99
78) n-propylbenzene	12.814	91	1874878	55.115	ug/l	99
79) 2-Chlorotoluene	12.902	91	1054374	53.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1236925	55.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	80355	56.858	ug/l	94
82) 4-Chlorotoluene	12.996	91	1100247	53.688	ug/l	99
83) tert-Butylbenzene	13.214	119	993369	54.424	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1227139	55.088	ug/l	98
85) sec-Butylbenzene	13.390	105	1608724	55.011	ug/l	98
86) p-Isopropyltoluene	13.508	119	1298762	54.972	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	640647	51.502	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	618662	50.213	ug/l	98
89) n-Butylbenzene	13.831	91	1275324	55.008	ug/l	99
90) Hexachloroethane	14.102	117	262508	52.653	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	549161	51.521	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	40420	51.415	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	311807	52.604	ug/l	99
94) Hexachlorobutadiene	15.255	225	176092	50.292	ug/l	98
95) Naphthalene	15.384	128	599335	55.556	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	272776	52.718	ug/l	99

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

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